

# **National Highways Authority of India**

(Ministry of Road Transport & Highways)
Government of India

FOUR LANING OF GOMATI CHAURAHA -UDAIPUR SECTION OF NH-8 (FROM KM 177/000 TO KM 260/100) IN THE STATE OF RAJASTHAN UNDER NHDP PHASE IV ON DESIGN, BUILD, FINANCE, OPERATE AND TRANSFER (TOLL) BASIS

# **CONCESSION AGREEMENT**

between

# **National Highways Authority of India**

G - 5&6, Sector – 10, Dwarka, New Delhi – 110 075

and

# Shreenathji-Udaipur Tollway Private Limited

"Sadbhav House" Opp Law Garden Police Chowki, Ellisbridge, Ahmedabad – 380006, Gujarat, India

# **VOLUME – I**

(CONCESSION AGREEMENT & SCHEDULES)

18<sup>th</sup> April, 2012



# **VOLUME-I: CONCESSION AGREEMENT & SCHEDULES**

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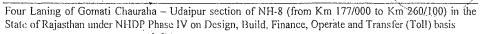
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# रियायत करार

यह करार

🕻 अप्रैल, 2012 को निम्नलिखित के बीच किया गया :

1. भारतीय राष्ट्रीय राजमार्ग प्राधिकरण अधिनियम, 1988 के अधीन स्थापित भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, जिसका प्रतिनिधित्व इसके अध्यक्ष करते हैं और जिसका प्रधान कार्यालय जी-5 और 6, सेक्टर-10, द्वारका, नई दिल्ली-110075 में है (जिसे इसमें इसके पश्चात "प्राधिकरण" संदर्भित किया गया है और जिसकी अभिव्यक्ति में जब तक इसके संदर्भ अथवा अर्थ से असंगत न हो इसके प्रशासक, उत्तराधिकारी और समनुदेशिती शामिल होंगे), एक पक्ष ;

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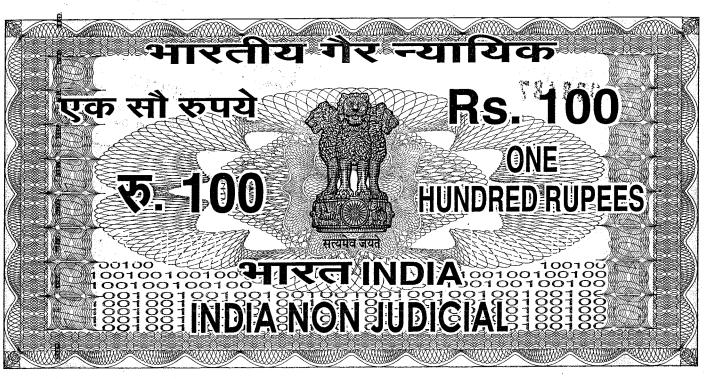
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2. श्रीनाथजी उदयपुर टोलवे प्राईवेट लिमिटेड, जो कंपनी अधिनियम, 1956 के प्रावधानों के अधीन निगमित एक कंपनी है और जिसका पंजीकृत कार्यालय सदभाव हाउस, ऑपोजिट लॉ गार्डन, पुलिस चौकी, एलिस व्रिज, अहमदाबाद—380006, ग्रुजरात, भारत में है (जिसे इसमें इसके पश्चात "रियायतग्राही" संदर्भित किया गया है जिसमें जब तक इसके संदर्भ अथवा अर्थ से असंगत न हो इसके उत्तराधिकारी और अनुमत समनुदेशिती और उनके एवजी शामिल होंगे), दूसरा पक्ष

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# **CONCESSION AGREEMENT**

THIS AGREEMENT is entered into on this the .... day of April, 2012

#### **BETWEEN**

THE NATIONAL HIGHWAYS AUTHORITY OF INDIA, established under the National Highways Authority of India Act 1988, represented by its Chairman and having its principal offices at G-5 & 6, Sector 10, Dwarka, New Delhi-110075 (hereinafter referred to as the "Authority" which expression shall, unless repugnant to the context or meaning thereof, include its administrators, successors and assigns) of One Part;

#### **AND**

SHREENATHJI-UDAIPUR TOLLWAY PRIVATE LIMITED, a company incorporated under the provisions of the Companies Act, 1956 and having its registered office at "Sadbhav House" Opp Law Garden Police Chowki, Ellisbridge, Ahmedabad – 380006, Gujarat, India, (hereinafter referred to as the "Concessionaire" which expression shall, unless repugnant to the context or meaning thereof, include its successors and permitted assigns and substitutes) of the Other Part.



#### WHEREAS:

- (A) The Government of India had entrusted to the Authority the development, maintenance and management of National Highway No. 8 including the section from km 177.000 to km 260.100 (approx. 79.310 km).
- (B) The Authority had resolved to augment the existing road from km 177.000 to km 260.100 (approximately 79.310 km) on the Gomati Chauraha Udaipur section of National Highway No. 8 (hereinafter called the "NH-8") in the State of Rajasthan by Four-Laning on design, build, finance, operate and transfer ("DBFOT") basis in accordance with the terms and conditions to be set forth in a concession agreement to be entered into.
- (C) The Authority had accordingly invited proposals by its Request for Qualification No. Nil dated 02.08.2011 (the "Request for Qualification" or "RFQ") for short listing of bidders for construction, operation and maintenance of the above referred section of NH-8 on DBFOT basis and had shortlisted certain bidders including, inter alia, the selected bidder M/s Sadbhav Engineering Limited.
- (D) The Authority had prescribed the technical and commercial terms and conditions, and invited bids (the "Request for Proposals" or "RFP") from the bidders shortlisted pursuant to the RFQ for undertaking the Project.
- (E) After evaluation of the bids received, the Authority had accepted the bid of the selected bidder and issued its Letter of Award No. NHAI/11012/01/2011/BOT/Raj./Gomti-Udaipur/12 dated 12.03.2012 (hereinafter called the "LOA") to the selected bidder requiring, inter alia, the execution of this Concession Agreement within 30 (thirty) days of the date of issue thereof.
- (F) The selected bidder has since promoted and incorporated the Concessionaire as a limited liability company under the Companies Act 1956, and has requested the Authority to accept the Concessionaire as the entity which shall undertake and perform the obligations and exercise the rights of the selected bidder under the LOA, including the obligation to enter into this Concession Agreement pursuant to the LOA for executing the Project.
  - By its letter dated 02.04.2012, the Concessionaire has also joined in the said request of the selected bidder to the Authority to accept it as the entity which shall undertake and perform the obligations and exercise the rights of the selected bidder including the obligation to enter into this Concession Agreement pursuant to the LOA. The Concessionaire has further represented to the effect that it has been promoted by the selected bidder for the purposes hereof.
- (H) The Authority has agreed to the said request of the selected bidder and the Concessionaire, and has accordingly agreed to enter into this Concession Agreement with the Concessionaire for execution of the Project on DBFOT basis, subject to and on the terms and conditions set forth hereinafter.

Four Laning of Gomati Chauraha – Udaipur section of NH-8 (from Km 177/000 to Km 260/100) in the State of Rajasthan under NHDP Phase IV on Design, Build, Finance, Operate and Transfer (Toll) basis



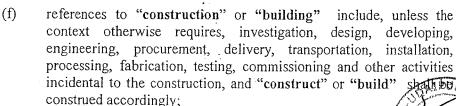
# **DEFINITIONS AND INTERPRETATION**

#### 1.1 Definitions

The words and expressions beginning with capital letters and defined in this Agreement (including those in Article 48) shall, unless the context otherwise requires, have the meaning ascribed thereto herein, and the words and expressions defined in the Schedules and used therein shall have the meaning ascribed thereto in the Schedules.

# 1.2 Interpretation

- 1.2.1 In this Agreement, unless the context otherwise requires,
  - (a) references to any legislation or any provision thereof shall include amendment or re-enactment or consolidation of such legislation or any provision thereof so far as such amendment or re-enactment or consolidation applies or is capable of applying to any transaction entered into hereunder;
  - (b) references to laws of India or Indian law or regulation having the force of law shall include the laws, acts, ordinances, rules, regulations, bye laws or notifications which have the force of law in the territory of India and as from time to time may be amended, modified, supplemented, extended or re-enacted;
  - (c) references to a "person" and words denoting a natural person shall be construed as a reference to any individual, firm, company, corporation, society, trust, government, state or agency of a state or any association or partnership (whether or not having separate legal personality) of two or more of the above and shall include successors and assigns;
  - (d) the table of contents, headings or sub-headings in this Agreement are for convenience of reference only and shall not be used in, and shall not affect, the construction or interpretation of this Agreement;
  - (e) the words "include" and "including" are to be construed without limitation and shall be deemed to be followed by "without limitation" or "but not limited to" whether or not they are followed by such phrases;





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- (g) references to "development" include, unless the context otherwise requires, construction, renovation, refurbishing, augmentation, upgradation and other activities incidental thereto, and "develop" shall be construed accordingly;
- (h) any reference to any period of time shall mean a reference to that according to Indian Standard Time;
- (i) any reference to day shall mean a reference to a calendar day;
- (j) references to a "business day" shall be construed as a reference to a day (other than a Sunday) on which banks in Delhi are generally open for business;
- (k) any reference to month shall mean a reference to a calendar month as per the Gregorian calendar;
- (l) references to any date, period or Project Milestone shall mean and include such date, period or Project Milestone as may be extended pursuant to this Agreement;
- (m) any reference to any period commencing "from" a specified day or date and "till" or "until" a specified day or date shall include both such days or dates; provided that if the last day of any period computed under this Agreement is not a business day, then the period shall run until the end of the next business day;
- (n) the words importing singular shall include plural and vice versa;
- (o) references to any gender shall include the other and the neutral gender;
- (p) "lakh" means a hundred thousand (100,000) and "crore" means ten million (10,000,000);
- (q) "indebtedness" shall be construed so as to include any obligation (whether incurred as principal or surety) for the payment or repayment of money, whether present or future, actual or contingent;
  - references to the "winding-up", "dissolution", "insolvency", or "reorganisation" of a company or corporation shall be construed so as to include any equivalent or analogous proceedings under the law of the jurisdiction in which such company or corporation is incorporated or any jurisdiction in which such company or corporation carries on business including the seeking of liquidation, winding-up, reorganisation, dissolution, arrangement, protection or relief of debtors:
- (s) save and except as otherwise provided in this Agreement reference, at any time, to any agreement, deed, instrument, licence or document of any description shall be construed as reference to that

agreement, deed, instrument, licence or other document as amended, varied, supplemented, modified or suspended at the time of such reference; provided that this Sub-clause shall not operate so as to increase liabilities or obligations of the Authority hereunder or pursuant hereto in any manner whatsoever;

- (t) any agreement, consent, approval, authorisation, notice, communication, information or report required under or pursuant to this Agreement from or by any Party or the Independent Engineer shall be valid and effective only if it is in writing under the hand of a duly authorised representative of such Party or the Independent Engineer, as the case may be, in this behalf and not otherwise;
- (u) the Schedules and Recitals to this Agreement form an integral part of this Agreement and will be in full force and effect as though they were expressly set out in the body of this Agreement;
- (v) references to Recitals, Articles, Clauses, Sub-clauses or Schedules in this Agreement shall, except where the context otherwise requires, mean references to Recitals, Articles, Clauses, Sub-clauses and Schedules of or to this Agreement, and references to a Paragraph shall, subject to any contrary indication, be construed as a reference to a Paragraph of this Agreement or of the Schedule in which such reference appears;
- (w) the damages payable by either Party to the other of them, as set forth in this Agreement, whether on *per diem* basis or otherwise, are mutually agreed genuine pre-estimated loss and damage likely to be suffered and incurred by the Party entitled to receive the same and are not by way of penalty (the "Damages"); and
- (x) time shall be of the essence in the performance of the Parties' respective obligations. If any time period specified herein is extended, such extended time shall also be of the essence.
- 1.2.2 Unless expressly provided otherwise in this Agreement, any Documentation required to be provided or furnished by the Concessionaire to the Authority and/or the Independent Engineer shall be provided free of cost and in three copies, and if the Authority and/or the Independent Engineer is required to return any such Documentation with their comments and/or approval, they shall be entitled to retain two copies thereof.
- 1.2.3 The rule of construction, if any, that a contract should be interpreted against the parties responsible for the drafting and preparation thereof, shall not apply.

1.2.4 Any word or expression used in this Agreement shall, unless defined or construed in this Agreement, bear its ordinary English meaning and, for these purposes, the General Clauses Act 1897 shall not apply.

#### 1.3 Measurements and arithmetic conventions

All measurements and calculations shall be in the metric system and calculations done to 2 (two) decimal places, with the third digit of 5 (five) or above being rounded up and below 5 (five) being rounded down.

# 1.4 Priority of agreements, clauses and schedules

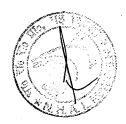
- 1.4.1 This Agreement, and all other agreements and documents forming part of or referred to in this agreement are to be taken as mutually explanatory and, unless otherwise expressly provided elsewhere in this Agreement, the priority of this Agreement and other documents and agreements forming part hereof or referred to herein shall, in the event of any conflict between them, be in the following order:
  - (a) this Agreement; and
  - (b) all other agreements and documents forming part hereof or referred to herein;

i.e. the Agreement at (a) above shall prevail over the agreements and documents at (b) above.

- 1.4.2 Subject to the provisions of Clause 1.4.1, in case of ambiguities or discrepancies within this Agreement, the following shall apply:
  - (a) between two or more Clauses of this Agreement, the provisions of a specific Clause relevant to the issue under consideration shall prevail over those in other Clauses;
  - (b) between the Clauses of this Agreement and the Schedules, the Clauses shall prevail and between Schedules and Annexes, the Schedules shall prevail;
  - (c) between any two Schedules, the Schedule relevant to the issue shall prevail;
  - (d) between the written description on the Drawings and the Specifications and Standards, the latter shall prevail;
  - (e) between the dimension scaled from the Drawing and its specific written dimension, the latter shall prevail; and
  - (f) between any value written in numerals and that in words, the latter shall prevail.



# Part II The Concession





# SCOPE OF THE PROJECT

# 2.1 Scope of the Project

The scope of the Project (the "Scope of the Project") shall mean and include, during the Concession Period:

- (a) construction of the Project Highway on the Site set forth in Schedule-A and as specified in Schedule-B together with provision of Project Facilities as specified in Schedule-C, and in conformity with the Specifications and Standards set forth in Schedule-D;
- (b) operation and maintenance of the Project Highway in accordance with the provisions of this Agreement; and
- (c) performance and fulfilment of all other obligations of the Concessionaire in accordance with the provisions of this Agreement and matters incidental thereto or necessary for the performance of any or all of the obligations of the Concessionaire under this Agreement.





# **GRANT OF CONCESSION**

#### 3.1 The Concession

- 3.1.1 Subject to and in accordance with the provisions of this Agreement, the Applicable Laws and the Applicable Permits, the Authority hereby grants to the Concessionaire the concession set forth herein including the exclusive right, licence and authority to construct, operate and maintain the Project (the "Concession") for a period of 27 (twenty seven) years commencing from the Appointed Date, and the Concessionaire hereby accepts the Concession and agrees to implement the Project subject to and in accordance with the terms and conditions set forth herein:
- 3.1.2 Subject to and in accordance with the provisions of this Agreement, the Concession hereby granted shall oblige or entitle (as the case may be) the Concessionaire to:
  - (a) Right of Way, access and licence to the Site for the purpose of and to the extent conferred by the provisions of this Agreement;
  - (b) finance and construct the Project Highway;
  - (c) manage, operate and maintain the Project Highway and regulate the use thereof by third parties;
  - (d) demand, collect and appropriate Fee from vehicles and Users liable for payment of Fee for using the Project Highway or any part thereof and refuse entry of any vehicle if the Fee due is not paid;
  - (e) perform and fulfil all of the Concessionaire's obligations under and in accordance with this Agreement;
  - (f) bear and pay all costs, expenses and charges in connection with or incidental to the performance of the obligations of the Concessionaire under this Agreement; and
  - (g) neither assign, transfer or sublet or create any lien or Encumbrance on this Agreement, or the Concession hereby granted or on the whole or any part of the Project Highway nor transfer, lease or part possession thereof, save and except as expressly permitted by this Agreement or the Substitution Agreement.

Waiver of Six-Laning

Deleted

# CONDITIONS PRECEDENT

#### 4.1 Conditions Precedent

- 4.1.1 Save and except as expressly provided in Articles 4, 9, 10, 24, 34, 44 and 47, or unless the context otherwise requires, the respective rights and obligations of the Parties under this Agreement shall be subject to the satisfaction in full of the conditions precedent specified in this Clause 4.1 (the "Conditions Precedent").
- 4.1.2 The Concessionaire may, upon providing the Performance Security to the Authority in accordance with Article 9, at any time after 90 (ninety) days from the date of this Agreement or on an earlier day acceptable to the Authority, by notice require the Authority to satisfy any or all of the Conditions Precedent set forth in this Clause 4.1.2 within a period of 30 (thirty) days of the notice, or such longer period not exceeding 60 (sixty) days as may be specified therein, and the Conditions Precedent required to be satisfied by the Authority shall be deemed to have been fulfilled when the Authority shall have:
  - (a) procured for the Concessionaire the Right of Way to the Site in accordance with the provisions of Clause 10.3.1;
  - (b) issued the Fee Notification;
  - (c) Deleted
  - (d) procured approval of the Railway authorities in the form of a general arrangement drawing that would enable the Concessionaire to construct road overbridges/ underbridges at level crossings on the Project Highway in accordance with the Specifications and Standards and subject to the terms and conditions specified in such approval; and
  - (e) procured all Applicable Permits relating to environmental protection and conservation of the Site:

Provided that the Authority may from time to time by notice extend, for up to an aggregate of 6 (six) months, the period for procuring the approval set forth in Sub-clause (d) and/ or Sub-clause (e) above and in that event the land to be covered by overbridges or the affected sections of the Project Highway, as the case may be, shall be included in the Appendix referred to in Clause 10.3 and dealt with in accordance with the provisions thereof; and provided further that upon procurement of such approval, the Concessionaire shall be entitled to a period of 12 (twelve) months therefrom for completion of the overbridges. For the avoidance of doubt, the approval specification Sub-clauses (d) and (e) above shall cease to be a Condition Precedent upon the extension of time under this Proviso.



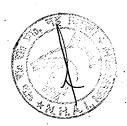
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### 4.2 Damages for delay by the Authority

In the event that (i) the Authority does not procure fulfilment of any or all of the Conditions Precedent set forth in Clause 4.1.2 within the period specified in respect thereof, and (ii) the delay has not occurred as a result of breach of this Agreement by the Concessionaire or due to Force Majeure, the Authority shall pay to the Concessionaire Damages in an amount calculated at the rate of 0.1% (zero point one per cent) of the Performance Security for each day's delay until the fulfilment of such Conditions Precedent, subject to a maximum of 20% (twenty percent) of the Performance Security.

# 4.3 Damages for delay by the Concessionaire.

In the event that (i) the Concessionaire does not procure fulfilment of any or all of the Conditions Precedent set forth in Clause 4.1.3 within a period of 180 (one hundred and eighty) days from the date of this Agreement, and (ii) the delay has not occurred as a result of failure to fulfil the obligations under Clause 4.1.2 or other breach of this Agreement by the Authority, or due to Force Majeure, the Concessionaire shall pay to the Authority Damages in an amount calculated at the rate of 0.2% (zero point two per cent) of the Performance Security for each day's delay until the fulfilment of such Conditions Precedent, subject to a maximum of 20% (twenty percent) of the Performance Security.





# OBLIGATIONS OF THE CONCESSIONAIRE

# 5.1 Obligations of the Concessionaire

- 5.1.1 Subject to and on the terms and conditions of this Agreement, the Concessionaire shall, at its own cost and expense, procure finance for and undertake the design, engineering, procurement, construction, operation and maintenance of the Project Highway and observe, fulfil, comply with and perform all its obligations set out in this Agreement or arising hereunder.
- 5.1.2 The Concessionaire shall comply with all Applicable Laws and Applicable Permits (including renewals as required) in the performance of its obligations under this Agreement.
- 5.1.3 Subject to the provisions of Clauses 5.1.1 and 5.1.2, the Concessionaire shall discharge its obligations in accordance with Good Industry Practice and as a reasonable and prudent person.
- 5.1.4 The Concessionaire shall, at its own cost and expense, in addition to and not in derogation of its obligations elsewhere set out in this Agreement:
  - (a) make, or cause to be made, necessary applications to the relevant Government Instrumentalities with such particulars and details as may be required for obtaining Applicable Permits (other than those set forth in Clause 4.1.2), and obtain and keep in force and effect such Applicable Permits in conformity with the Applicable Laws;
  - (b) procure, as required, the appropriate proprietary rights, licences, agreements and permissions for materials, methods, processes and systems used or incorporated into the Project Highway;
  - (c) perform and fulfil its obligations under the Financing Agreements;
  - (d) make reasonable efforts to maintain harmony and good industrial relations among the personnel employed by it or its Contractors in connection with the performance of its obligations under this Agreement;
  - (e) make reasonable efforts to facilitate the acquisition of land required for the purposes of the Agreement;
  - (f) ensure and procure that its Contractors comply with all Applicable Permits and Applicable Laws in the performance by them of any of the Concessionaire's obligations under this Agreement;
  - not do or omit to do any act, deed or thing which may in any manner be violative of any of the provisions of this Agreement;



- (h) support, cooperate with and facilitate the Authority in the implementation and operation of the Project in accordance with the provisions of this Agreement; and
- (i) transfer the Project Highway to the Authority upon Termination of this Agreement, in accordance with the provisions thereof.

# 5.2 Obligations relating to Project Agreements

- 5.2.1 It is expressly agreed that the Concessionaire shall, at all times, be responsible and liable for all its obligations under this Agreement notwithstanding anything contained in the Project Agreements or any other agreement, and no default under any Project Agreement or agreement shall excuse the Concessionaire from its obligations or liability hereunder.
- 5.2.2 The Concessionaire shall submit to the Authority the drafts of all Project Agreements, or any amendments or replacements thereto, for its review and comments, and the Authority shall have the right but not the obligation to undertake such review and provide its comments, if any, to the Concessionaire within 15 (fifteen) days of the receipt of such drafts. Within 7 (seven) days of execution of any Project Agreement or amendment thereto, the Concessionaire shall submit to the Authority a true copy thereof, duly attested by a Director of the Concessionaire, for its record. For the avoidance of doubt, it is agreed that the review and comments hereunder shall be limited to ensuring compliance with the terms of this Agreement. It is further agreed that no review and/or observation of the Authority and/or its failure to review and/or convey its observations on any document shall relieve the Concessionaire of its obligations and liabilities under this Agreement in any manner nor shall the Authority be liable for the same in any manner whatsoever.
- 5.2.3 The Concessionaire shall not make any addition, replacement or amendments to any of the Financing Agreements without the prior written consent of the Authority if such addition, replacement or amendment has, or may have, the effect of imposing or increasing any financial liability or obligation on the Authority, and in the event that any replacement or amendment is made without such consent, the Concessionaire shall not enforce such replacement or amendment nor permit enforcement thereof against the Authority. For the avoidance of doubt, the Authority acknowledges and agrees that it shall not unreasonably withhold its consent for restructuring or rescheduling of the debt of the Concessionaire.
- The Concessionaire shall procure that each of the Project Agreements contains provisions that entitle the Authority to step into such agreement, in its sole discretion, in substitution of the Concessionaire in the event of Termination or Suspension (the "Covenant"). For the avoidance of doubt, it is expressly agreed that in the event the Authority does not exercise such rights of substitution within a period not exceeding 90 (ninety) days from the Transfer Date, the Project Agreements shall be deemed to cease to be in force and effect on the Transfer Date without any liability whatsoever on the

Authority and the Covenant shall expressly provide for such eventuality. The Concessionaire expressly agrees to include the Covenant in all its Project Agreements and undertakes that it shall, in respect of each of the Project Agreements, procure and deliver to the Authority an acknowledgment and undertaking, in a form acceptable to the Authority, from the counter party(ies) of each of the Project Agreements, whereunder such counter party(ies) shall acknowledge and accept the Covenant and undertake to be bound by the same and not to seek any relief or remedy whatsoever from the Authority in the event of Termination or Suspension.

Notwithstanding anything to the contrary contained in this Agreement, the Concessionaire agrees and acknowledges that selection or replacement of an O&M Contractor and execution of the O&M Contract shall be subject to the prior approval of the Authority from national security and public interest perspective, the decision of the Authority in this behalf being final, conclusive and binding on the Concessionaire, and undertakes that it shall not give effect to any such selection or contract without prior approval of the Authority. For the avoidance of doubt, it is expressly agreed that approval of the Authority hereunder shall be limited to national security and public. interest perspective, and the Authority shall endeavour to convey its decision thereon expeditiously. It is also agreed that the Authority shall not be liable in any manner on account of grant or otherwise of such approval and that such approval or denial thereof shall not in any manner absolve the Concessionaire or its Contractors from any liability or obligation under this Agreement.

#### 5.3 Obligations relating to Change in Ownership

- The Concessionaire shall not undertake or permit any Change in Ownership, except with the prior approval of the Authority.
- Notwithstanding anything to the contrary contained in this Agreement, the Concessionaire agrees and acknowledges that:
  - all acquisitions of Equity by an acquirer, either by himself or with any person acting in concert, directly or indirectly, including by transfer of the direct or indirect legal or beneficial ownership or control of any Equity, in aggregate of not less than 15% (fifteen per cent) of the total Equity of the Concessionaire; or
  - (ii) acquisition of any control directly or indirectly of the Board of Directors of the Concessionaire by any person either by himself or together with any person or persons acting in concert with him

shall constitute a Change in Ownership requiring prior approval of the Authority from national security and public interest perspective, the decision of the Authority in this behalf being final, conclusive and binding on the Concessionaire, and undertakes that it shall not give effect to any such AIPUA acquisition of Equity or control of the Board of Directors of

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Concessionaire without such prior approval of the Authority. For the avoidance of doubt, it is expressly agreed that approval of the Authority hereunder shall be limited to national security and public interest perspective, and the Authority shall endeavour to convey its decision thereon expeditiously. It is also agreed that the Authority shall not be liable in any manner on account of grant or otherwise of such approval and that such approval or denial thereof shall not in any manner absolve the Concessionaire from any liability or obligation under this Agreement.

For the purposes of this Clause 5.3.2:

- the expression "acquirer", "control" and "person acting in concert" shall have the meaning ascribed thereto in the Securities and Exchange Board of India (Substantial Acquisition of Shares and Takeover) Regulations, 1997 or any statutory re-enactment thereof as in force as on the date of acquisition of Equity, or the control of the Board of Directors, as the case may be, of the Concessionaire;
- (b) the indirect transfer or control of legal or beneficial ownership of Equity shall mean transfer of the direct or indirect beneficial ownership or control of any company or companies whether in India or abroad which results in the acquirer acquiring control over the shares or voting rights of shares of the Concessionaire; and
- (c) power to appoint, whether by contract or by virtue of control or acquisition of shares of any company holding directly or through one or more companies (whether situate in India or abroad) the Equity of the Concessionaire, not less than half of the directors on the Board of Directors of the Concessionaire or of any company, directly or indirectly whether situate in India or abroad, having ultimate control of not less than 15% (fifteen per cent) of the Equity of the Concessionaire shall constitute acquisition of control, directly or indirectly, of the Board of Directors of the Concessionaire.

# 5.4 Employment of foreign nationals

The Concessionaire acknowledges, agrees and undertakes that employment of foreign personnel by the Concessionaire and/or its contractors and their sub-contractors shall be subject to grant of requisite regulatory permits and approvals including employment/residential visas and work permits, if any required, and the obligation to apply for and obtain the same shall and will always be of the Concessionaire and, notwithstanding anything to the contrary contained in this Agreement, refusal of or inability to obtain any such permits and approvals by the Concessionaire or any of its contractors or sub-contractors shall not constitute Force Majeure Event, and shall not in any manner excuse the Concessionaire from the performance and discharge of its obligations and liabilities under this Agreement.



# 5.5 Employment of trained personnel

The Concessionaire shall ensure that the personnel engaged by it in the performance of its obligations under this Agreement are at all times properly trained for their respective functions.

# 5.6 Sole purpose of the Concessionaire

The Concessionaire having been set up for the sole purpose of exercising the rights and observing and performing its obligations and liabilities under this Agreement, the Concessionaire or any of its subsidiaries shall not, except with the previous written consent of the Authority, be or become directly or indirectly engaged, concerned or interested in any business other than as envisaged herein.

# 5.7 Branding of Project Highway

The Project Highway or any part thereof shall not be branded in any manner to advertise, display or reflect the name or identity of the Concessionaire or its shareholders. The Concessionaire undertakes that it shall not, in any manner, use the name or entity of the Project Highway to advertise or display its own identity, brand equity or business interests, including those of its shareholders, save and except as may be necessary in the normal course of business. For the avoidance of doubt, it is agreed that the Concessionaire may display its own name at a spot where other public notices are displayed for the Users. It is further agreed that the Project Highway shall be known, promoted, displayed and advertised by the name of Gomati Chauraha – Udaipur Highway.

# 5.8 Facilities for physically challenged and elderly persons

The Concessionaire shall, in conformity with the guidelines issued from time to time by the Ministry of Social Justice and Empowerment, or a substitute thereof, procure a barrier free environment for the physically or visually challenged and for elderly persons using the Project Highway.





#### **OBLIGATIONS OF THE AUTHORITY**

# 6.1 Obligations of the Authority

- 6.1.1 The Authority shall, at its own cost and expense undertake, comply with and perform all its obligations set out in this Agreement or arising hereunder.
- 6.1.2 The Authority agrees to provide support to the Concessionaire and undertakes to observe, comply with and perform, subject to and in accordance with the provisions of this Agreement and the Applicable Laws, the following:
  - (a) upon written request from the Concessionaire, and subject to the Concessionaire complying with Applicable Laws, provide reasonable support and assistance to the Concessionaire in procuring Applicable Permits required from any Government Instrumentality for implementation and operation of the Project;
  - (b) upon written request from the Concessionaire, provide reasonable assistance to the Concessionaire in obtaining access to all necessary infrastructure facilities and utilities, including water and electricity at rates and on terms no less favourable to the Concessionaire than those generally available to commercial customers receiving substantially equivalent services;
  - (c) procure that no barriers are erected or placed on or about the Project Highway by any Government Instrumentality or persons claiming through or under it, except for reasons of Emergency, national security, law and order or collection of inter-state taxes;
  - (d) make best endeavours to procure that no local Tax, toll or charge is levied or imposed on the use of whole or any part of the Project Highway;
  - (e) subject to and in accordance with the Applicable Laws, grant to the Concessionaire the authority to regulate traffic on the Project Highway;
  - (f) assist the Concessionaire in procuring police assistance for regulation of traffic, removal of trespassers and security on or at the Project Highway;
  - (g) not do or omit to do any act, deed or thing which may in any manner be violative of any of the provisions of this Agreement;
  - (h) support, cooperate with and facilitate the Concessionaire in the implementation and operation of the Project in accordance with the provisions of this Agreement; and

(i) upon written request from the Concessionaire and subject to the provisions of Clause 5.4, provide reasonable assistance to the Concessionaire and any expatriate personnel of the Concessionaire or its Contractors to obtain applicable visas and work permits for the purposes of discharge by the Concessionaire or its Contractors their obligations under this Agreement and the Project Agreements.

# 6.2 Maintenance obligations prior to Appointed Date

During the Development Period, the Authority shall maintain the Project Highway, at its own cost and expense, so that its traffic worthiness and safety are at no time materially inferior as compared to its condition 7 (seven) days prior to the last date for submission of the Bid, and in the event of any material deterioration or damage other than normal wear and tear, undertake repair thereof, or pay to the Concessionaire the cost and expense, as determined by the Independent Engineer, for undertaking such repair after the Appointed Date. For the avoidance of doubt, the Authority shall undertake only routine maintenance during the Development Period, and it shall undertake special repairs only for ensuring safe operation of the Project Highway, or in the event of excessive deterioration or damage caused due to unforeseen events such as floods or torrential rain.

# 6.3 Obligations relating to Competing Roads

The Authority shall procure that during the subsistence of this Agreement, neither the Authority nor any Government Instrumentality shall, at any time before the 10th (tenth) anniversary of the Appointed Date, construct or cause to be constructed any Competing Road; provided that the restriction herein shall not apply if the average traffic on the Project Highway in any year exceeds 90% (ninety percent) of its designed capacity specified in Clause 29.2.3. Upon breach of its obligations hereunder, the Authority shall be liable to payment of compensation to the Concessionaire under and in accordance with Clause 35.4, and such compensation shall be the sole remedy of the Concessionaire.





# REPRESENTATIONS AND WARRANTIES

# 7.1 Representations and warranties of the Concessionaire

The Concessionaire represents and warrants to the Authority that:

- (a) it is duly organised and validly existing under the laws of India, and has full power and authority to execute and perform its obligations under this Agreement and to carry out the transactions contemplated hereby;
- (b) it has taken all necessary corporate and other actions under Applicable Laws to authorise the execution and delivery of this Agreement and to validly exercise its rights and perform its obligations under this Agreement;
- (c) it has the financial standing and capacity to undertake the Project in accordance with the terms of this Agreement;
- (d) this Agreement constitutes its legal, valid and binding obligation, enforceable against it in accordance with the terms hereof, and its obligations under this Agreement will be legally valid, binding and enforceable obligations against it in accordance with the terms hereof;
- (e) it is subject to the laws of India, and hereby expressly and irrevocably waives any immunity in any jurisdiction in respect of this Agreement or matters arising thereunder including any obligation, liability or responsibility hereunder;
- (f) the information furnished in the Bid and as updated on or before the date of this Agreement is true and accurate in all respects as on the date of this Agreement;
- (g) the execution, delivery and performance of this Agreement will not conflict with, result in the breach of, constitute a default under, or accelerate performance required by any of the terms of its Memorandum and Articles of Association or any Applicable Laws or any covenant, contract, agreement, arrangement, understanding, decree or order to which it is a party or by which it or any of its properties or assets is bound or affected;

there are no actions, suits, proceedings, or investigations pending or, to its knowledge, threatened against it at law or in equity before any court or before any other judicial, quasi-judicial or other authority, the outcome of which may result in the breach of this Agreement or which individually or in the aggregate may result in any material impairment of its ability to perform any of its obligations under this Agreement;

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- (i) it has no knowledge of any violation or default with respect to any order, writ, injunction or decree of any court or any legally binding order of any Government Instrumentality which may result in any material adverse effect on its ability to perform its obligations under this Agreement and no fact or circumstance exists which may give rise to such proceedings that would adversely affect the performance of its obligations under this Agreement;
- (j) it has complied with Applicable Laws in all material respects and has not been subject to any fines, penalties, injunctive relief or any other civil or criminal liabilities which in the aggregate have or may have a material adverse effect on its ability to perform its obligations under this Agreement;
- (k) it shall at no time undertake or permit any Change in Ownership except in accordance with the provisions of Clause 5.3 and that the selected bidder, together with its Associates, hold not less than 51% (fifty-one percent) of its issued and paid up Equity as on the date of this Agreement;

Provided further that any such request made under Article 7.1(k) and/or Article 48, at the option of the Authority, may be required to be accompanied by a suitable no objection letter from lenders.

- (l) the selected bidder and its Associates have the financial standing and resources to fund the required Equity and to raise the debt necessary for undertaking and implementing the Project in accordance with this Agreement;
- (m) the selected bidder is duly organised and validly existing under the laws of the jurisdiction of its incorporation, and has requested the Authority to enter into this Agreement with the Concessionaire pursuant to the Letter of Award, and has agreed to and unconditionally accepted the terms and conditions set forth in this Agreement;
- (n) all its rights and interests in the Project Highway shall pass to and vest in the Authority on the Transfer Date free and clear of all liens, claims and Encumbrances, without any further act or deed on its part or that of the Authority, and that none of the Project Assets shall be acquired by it, subject to any agreement under which a security interest or other lien or Encumbrance is retained by any person, save and except as expressly provided in this Agreement;

no representation or warranty by it contained herein or in any other document furnished by it to the Authority or to any Government Instrumentality in relation to Applicable Permits contains or will contain any untrue or misleading statement of material fact or omits out? or will omit to state a material fact necessary to make the representation or warranty not misleading;

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- (p) no sums, in cash or kind, have been paid or will be paid, by it or on its behalf, to any person by way of fees, commission or otherwise for securing the Concession or entering into this Agreement or for influencing or attempting to influence any officer or employee of the Authority in connection therewith; and
- (q) all information provided by the selected bidder in response to the Request for Qualification and Request for Proposals or otherwise, is to the best of its knowledge and belief, true and accurate in all material respects.

# 7.2 Representations and warranties of the Authority

The Authority represents and warrants to the Concessionaire that:

- (a) it has full power and authority to execute, deliver and perform its obligations under this Agreement and to carry out the transactions contemplated herein and that it has taken all actions necessary to execute this Agreement, exercise its rights and perform its obligations, under this Agreement;
- (b) it has taken all necessary actions under the Applicable Laws to authorise the execution, delivery and performance of this Agreement;
- (c) it has the financial standing and capacity to perform its obligations under this Agreement;
- (d) this Agreement constitutes a legal, valid and binding obligation enforceable against it in accordance with the terms hereof;
- (e) it has no knowledge of any violation or default with respect to any order, writ, injunction or any decree of any court or any legally binding order of any Government Instrumentality which may result in any material adverse effect on the Authority's ability to perform its obligations under this Agreement;
- (f) it has complied with Applicable Laws in all material respects;
- (g) it has the right, power and authority to manage and operate the Project Highway up to the Appointed Date; and
- (h) it has good and valid right to the Site, and has power and authority to grant a licence in respect thereto to the Concessionaire.

# 7.3 Disclosure

In the event that any occurrence or circumstance comes to the attention of either Party that renders any of its aforesaid representations or warranties untrue or incorrect, such Party shall immediately notify the other Party of the same. Such notification shall not have the effect of remedying any breach of the representation or warranty that has been found to be untrue or incorrect.



nor shall it adversely affect or waive any right, remedy or obligation of either Party under this Agreement.





# DISCLAIMER

# 8.1 Disclaimer

- 8.1.1 The Concessionaire acknowledges that prior to the execution of this Agreement, the Concessionaire has, after a complete and careful examination, made an independent evaluation of the Request for Qualification, Request for Proposals, Scope of the Project, Specifications and Standards, Site, existing structures, local conditions, physical qualities of ground, subsoil and geology, traffic volumes and all information provided by the Authority or obtained, procured or gathered otherwise, and has determined to its satisfaction the accuracy or otherwise thereof and the nature and extent of difficulties, risks and hazards as are likely to arise or may be faced by it in the course of performance of its obligations hereunder. The Authority makes no representation whatsoever, express, implicit or otherwise, regarding the accuracy, adequacy, correctness, reliability and/or completeness of any assessment, assumptions, statement or information provided by it and the Concessionaire confirms that it shall have no claim whatsoever against the Authority in this regard.
- 8.1.2 The Concessionaire acknowledges and hereby accepts the risk of inadequacy, mistake or error in or relating to any of the matters set forth in Clause 8.1.1 above and hereby acknowledges and agrees that the Authority shall not be liable for the same in any manner whatsoever to the Concessionaire, the Selected Bidder and its Associates or any person claiming through or under any of them.
- 8.1.3 The Parties agree that any mistake or error in or relating to any of the matters set forth in Clause 8.1.1 above shall not vitiate this Agreement, or render it voidable.
- 8.1.4 In the event that either Party becomes aware of any mistake or error relating to any of the matters set forth in Clause 8.1.1 above, that Party shall immediately notify the other Party, specifying the mistake or error; provided, however, that a failure on part of the Authority to give any notice pursuant to this Clause 8.1.4 shall not prejudice the disclaimer of the Authority contained in Clause 8.1.1 and shall not in any manner shift to the Authority any risks assumed by the Concessionaire pursuant to this Agreement.
- 8.1.5 Except as otherwise provided in this Agreement, all risks relating to the Project shall be borne by the Concessionaire and the Authority shall not be liable in any manner for such risks or the consequences thereof.



# Part III Development and Operations





# PERFORMANCE SECURITY

# 9.1 Performance Security

- 9.1.1 The Concessionaire shall, for the performance of its obligations hereunder during the Construction Period, provide to the Authority no later than 180 (one hundred and eighty) days from the date of this Agreement, an irrevocable and unconditional guarantee from a Bank for a sum equivalent to Rs. 45.73 crore (Rupees Forty Five Crores and Seventy Three Lakhs Only) in the form set forth in Schedule-F (the "Performance Security"). Until such time the Performance Security is provided by the Concessionaire pursuant hereto and the same comes into effect, the Bid Security shall remain in force and effect, and upon such provision of the Performance Security pursuant hereto, the Authority shall release the Bid Security to the Concessionaire.
- 9.1.2 Notwithstanding anything to the contrary contained in this Agreement, in the event Performance Security is not provided by the Concessionaire within a period of 180 (one hundred and eighty) days from the date of this Agreement, the Authority may encash the Bid Security and appropriate the proceeds thereof as Damages, and thereupon all rights, privileges, claims and entitlements of the Concessionaire under or arising out of this Agreement shall be deemed to have been waived by, and to have ceased with the concurrence of the Concessionaire, and this Agreement shall be deemed to have been terminated by mutual agreement of the Parties.

# 9.2 Appropriation of Performance Security

Upon occurrence of a Concessionaire Default or failure to meet any Condition Precedent, the Authority shall, without prejudice to its other rights and remedies hereunder or in law, be entitled to encash and appropriate the relevant amounts from the Performance Security as Damages for such Concessionaire Default or failure to meet any Condition Precedent. Upon such encashment and appropriation from the Performance Security, the Concessionaire shall, within 30 (thirty) days thereof, replenish, in case of partial appropriation, to its original level the Performance Security, and in case of appropriation of the entire Performance Security provide a fresh Performance Security, as the case may be, and the Concessionaire shall, within the time so granted, replenish or furnish fresh Performance Security as aforesaid failing which the Authority shall be entitled to terminate this Agreement in accordance with Article 37. Upon replenishment or furnishing of a fresh Performance Security, as the case may be, as aforesaid, the Concessionaire shall be entitled to an additional Cure Period of 90 (ninety) days for remedying the Concessionaire Default or to meet any Condition Precedent, and in the event of the Concessionaire not curing its default of IPUR meeting such Condition Precedent within such Cure Period, the Authority shall be entitled to encash and appropriate such Performance Security as Damages, and to terminate this Agreement in accordance with Article [2] AHALDAS.



# 9.3 Release of Performance Security

The Performance Security shall remain in force and effect for a period of one year from the Appointed Date, but shall be released earlier upon the Concessionaire expending on Project construction an aggregate sum that is not less than 20% (twenty per cent) of the Total Project Cost; provided, however, that the Performance Security shall not be released if the Concessionaire is in breach of this Agreement. Upon request made by the Concessionaire for release of the Performance Security along with the particulars which establish satisfaction of the requirements specified under this Clause 9.3, the Authority shall release the Performance Security forthwith.





#### RIGHT OF WAY

#### 10.1 The Site

The site of the Project Highway shall comprise the real estate described in Schedule-A and in respect of which the Right of Way shall be provided and granted by the Authority to the Concessionaire as a licensee under and in accordance with this Agreement (the "Site"). For the avoidance of doubt, it is hereby acknowledged and agreed that references to the Site shall be construed as references to the real estate required for Four-Laning of the Project Highway as set forth in Schedule-A,

# 10.2 Licence, Access and Right of Way

- 10.2.1 The Authority hereby grants to the Concessionaire access to the Site for carrying out any surveys, investigations and soil tests that the Concessionaire may deem necessary during the Development Period, it being expressly agreed and understood that the Authority shall have no liability whatsoever in respect of survey, investigations and tests carried out or work undertaken by the Concessionaire on or about the Site pursuant hereto in the event of Termination or otherwise.
- 10.2.2 In consideration of the Concession Fee, this Agreement and the covenants and warranties on the part of the Concessionaire herein contained, the Authority, in accordance with the terms and conditions set forth herein, hereby grants to the Concessionaire, commencing from the Appointed Date, leave and licence rights in respect of all the land (along with any buildings, constructions or immovable assets, if any, thereon) comprising the Site which is described, delineated and shown in Schedule-A hereto (the "Licensed Premises"), on an "as is where is" basis, free of any Encumbrances, to develop, operate and maintain the said Licensed Premises, together with all and singular rights, liberties, privileges, easements and appurtenances whatsoever to the said Licensed Premises, hereditaments or premises or any part thereof belonging to or in any way appurtenant thereto or enjoyed therewith, for the duration of the Concession Period and, for the purposes permitted under this Agreement, and for no other purpose whatsoever.
- 10.2.3 The licence, access and right of way granted by this Agreement to the Concessionaire shall always be subject to existing rights of way and the Concessionaire shall perform its obligations in a manner that two existing lanes of the Project Highway or an alternative thereof are open to traffic at all times during the Construction Period.
- 10.2.4 It is expressly agreed that the licence granted hereunder shall terminate automatically and forthwith, without the need for any action to be taken by the Authority to terminate the licence, upon the Termination of the Agreement for any reason whatsoever. For the avoidance of doubt, the

Parties expressly agree that notwithstanding any temporary or permanent structures erected on the Site by the Concessionaire or its sub-licensees, the licence in respect of the Site shall automatically terminate, without any further act of the Parties, upon Termination of this Agreement.

- 10.2.5 The Concessionaire hereby irrevocably appoints the Authority (or its nominee) to be its true and lawful attorney, to execute and sign in the name of the Concessionaire a transfer or surrender of the licence granted hereunder at any time after the Concession Period has expired or has been terminated earlier in terms hereof, a sufficient proof of which will be the declaration of any duly authorised officer of the Authority, and the Concessionaire consents to it being registered for this purpose.
- 10.2.6 It is expressly agreed that trees on the Site are property of the Authority except that the Concessionaire shall be entitled to exercise usufructory rights thereon during the Concession Period.

#### 10.3 Procurement of the Site

- 10.3.1 Pursuant to the notice specified in Clause 4.1.2, the Authority Representative and the Concessionaire shall, on a mutually agreed date and time, inspect the Site and prepare a memorandum containing an inventory of the Site including the vacant and unencumbered land, buildings, structures, road works, trees and any other immovable property on or attached to the Site. Such memorandum shall have appended thereto an appendix (the "Appendix") specifying in reasonable detail those parts of the Site to which vacant access and Right of Way has not been granted to the Concessionaire. Signing of the memorandum, in two counterparts (each of which shall constitute an original), by the authorised representatives of the Parties shall, subject to the provisions of Clause 10.2.2, be deemed to constitute a valid licence and Right of Way to the Concessionaire for free and unrestricted use and development of the vacant and unencumbered Site during the Concession Period under and in accordance with the provisions of this Agreement and for no other purpose whatsoever. For the avoidance of doubt, it is agreed that valid licence and Right of Way with respect to the parts of the Site as set forth in the Appendix shall be deemed to have been granted to the Concessionaire upon vacant access thereto being provided by the Authority to the Concessionaire.
- 10.3.2 Without prejudice to the provisions of Clause 10.3.1, the Parties hereto agree that on or prior to the Appointed Date, the Authority shall have granted vacant access and Right of Way such that the Appendix shall not include more than 20% (twenty per cent) of the total area of the Site required and necessary for the Four-Lane Project Highway, and in the event Financial Close is delayed solely on account of delay in grant of such vacant access and Right of Way, the Authority shall be liable to payment of Damages under and in accordance with the provisions of Clause 4.2.
- 10.3.3 On and after signing the memorandum referred to in Clause 10.3.1, and until the Transfer Date, the Concessionaire shall maintain a round-the-clock visit

over the Site and shall ensure and procure that no encroachment thereon takes place, and in the event of any encroachment or occupation on any part thereof, the Concessionaire shall report such encroachment or occupation forthwith to the Authority and undertake its removal at its cost and expenses.

- 10.3.4 The Authority shall make best efforts to procure and grant, no later than 90 (ninety) days from the Appointed Date, the Right of Way to the Concessionaire in respect of all land included in the Appendix, and in the event of delay for any reason other than Force Majeure or breach of this Agreement by the Concessionaire, it shall pay to the Concessionaire Damages in a sum calculated at the rate of Rs. 50 (Rupees fifty) per day for every 1,000 (one thousand) square metres or part thereof, commencing from the 91st (ninety first) day of the Appointed Date and until such Right of Way is procured.
- 10.3.5 Upon receiving Right of Way in respect of any land included in the Appendix, the Concessionaire shall complete the Construction Works thereon within a reasonable period to be determined by the Independent Engineer in accordance with Good Industry Practice; provided that the issue of Provisional Certificate shall not be affected or delayed on account of vacant access to any part of the Site not being granted to the Concessionaire or any construction on such part of the Site remaining incomplete on the date of Tests on account of the delay or denial of such access thereto. For the avoidance of doubt, it is expressly agreed that Construction Works on all lands for which Right of Way is granted within 90 (ninety) days of the Appointed Date shall be completed before the Project Completion Date. It is further agreed that the obligation of the Concessionaire to complete the affected Construction Works shall subsist so long as the Authority continues to pay the Damages specified herein, and upon the Authority ceasing to pay such Damages after giving 60 (sixty) days' notice thereof to the Concessionaire, the obligation of the Concessionaire to complete such works on such part of the Site shall cease forthwith. It is also expressly agreed that completion of the respective Construction Works within the time determined by the Independent Engineer hereunder shall be deemed to be Project Milestones for the purposes of levy and recovery of Damages under and in accordance with the provisions of Clause 12.4.2.
- 10.3.6 The Concessionaire shall, if so required by the Authority, procure on behalf of the Authority, on the terms and to the extent specified by the Authority, the additional land required for Toll Plazas, Traffic Aid Posts, Medical Aid Posts, under passes and over passes or for construction of works specified in Change of Scope Order issued under Article 16, in accordance with this Agreement and upon procurement, such land shall form part of the Site and vest in the Authority; provided that the Concessionaire may, by notice given to the Authority no later than 60 (sixty) days from the Appointed Date or the date of Change of Scope Order, as the case may be, require the Authority to initiate and undertake proceedings for acquisition of such land under the provisions of the National Highways Act, 1956 and the Authority shall take all such steps as may be reasonably necessary for such land acquisition forthwith; provided further that the cost of land acquired under this Clause

10.3.6 shall be borne by the Authority in accordance with the Act; provided also that the land to be acquired by the Authority hereunder as a part of the Site shall be deemed to be included in the Appendix referred to in this Clause 10.3 and dealt with in accordance with the provisions thereof. For the avoidance of doubt, it is agreed that the minimum area of land to be acquired for the Toll Plazas and approach roads thereof shall conform to the provisions of Schedule - B and Schedule - C. It is further agreed that the Authority may, at any time after the Bid Date, suo moto acquire the land required hereunder.

10.3.7 The Concessionaire may procure at its cost and expense and on its own the land that may be required by it for Additional Facilities and the Authority shall have no obligation or liability in respect thereof. For the avoidance of doubt, the Concessionaire shall seek prior consent of the Authority to connect any Additional Facility to the Project Highway and such consent shall not be unreasonably withheld.

# 10.4 Site to be free from Encumbrances

Subject to the provisions of Clause 10.3, the Site shall be made available by the Authority to the Concessionaire pursuant hereto free from all Encumbrances and occupations and without the Concessionaire being required to make any payment to the Authority on account of any costs, compensation, expenses and charges for the acquisition and use of such Site for the duration of the Concession Period, except insofar as otherwise expressly provided in this Agreement. For the avoidance of doubt, it is agreed that existing rights of way, easements, privileges, liberties and appurtenances to the Licensed Premises shall not be deemed to be Encumbrances. It is further agreed that the Concessionaire accepts and undertakes to bear any and all risks arising out of the inadequacy or physical condition of the Site.

# 10.5 Protection of Site from encroachments

During the Concession Period, the Concessionaire shall protect the Site from any and all occupations, encroachments or Encumbrances, and shall not place or create nor permit any Contractor or other person claiming through or under the Concessionaire to place or create any Encumbrance or security interest over all or any part of the Site or the Project Assets, or on any rights of the Concessionaire therein or under this Agreement, save and except as otherwise expressly set forth in this Agreement.

# 10.6 Special/temporary right of way

The Concessionaire shall bear all costs and charges for any special or temporary right of way required by it in connection with access to the Site. The Concessionaire shall obtain at its cost such facilities on or outside the Site as may be required by it for the purposes of the Project Highway and the performance of its obligations under this Agreement.

## 10.7 Access to the Authority and Independent Engineer

The licence, right of way and right to the Site granted to the Concessionaire hereunder shall always be subject to the right of access of the Authority and the Independent Engineer and their employees and agents for inspection, viewing and exercise of their rights and performance of their obligations under this Agreement.

### 10.8 Geological and archaeological finds

It is expressly agreed that mining, geological or archaeological rights do not form part of the licence granted to the Concessionaire under this Agreement and the Concessionaire hereby acknowledges that it shall not have any mining rights or interest in the underlying minerals, fossils, antiquities. structures or other remnants or things either of particular geological or archaeological interest and that such rights, interest and property on or under the Site shall vest in and belong to the Authority or the concerned Government Instrumentality. The Concessionaire shall take all reasonable precautions to prevent its workmen or any other person from removing or damaging such interest or property and shall inform the Authority forthwith of the discovery thereof and comply with such instructions as the concerned Government Instrumentality may reasonably give for the removal of such property. For the avoidance of doubt, it is agreed that any reasonable expenses incurred by the Concessionaire hereunder shall be reimbursed by the Authority. It is also agreed that the Government shall procure that the instructions hereunder are issued by the concerned Instrumentality within a reasonable period.

### 10.9 Additional land for Six-Laning

Deleted





## UTILITIES, ASSOCIATED ROADS AND TREES

## 11.1 Existing utilities and roads

Notwithstanding anything to the contrary contained herein, the Concessionaire shall ensure that the respective entities owning the existing roads, right of way or utilities on, under or above the Site are enabled by it to keep such utilities in continuous satisfactory use, if necessary, by providing suitable temporary or permanent diversions with the authority of the controlling body of that road, right of way or utility, and the Authority shall, upon written request from the Concessionaire, initiate and undertake at the Concessionaire's cost, legal proceedings for acquisition of any right of way necessary for such diversion.

## 11.2 Shifting of obstructing utilities

The Concessionaire shall, subject to Applicable Laws and with assistance of the Authority, undertake shifting of any utility including electric lines, water pipes and telephone cables, to an appropriate location or alignment within or outside the Site if and only if such utility causes or shall cause a material adverse effect on the construction, operation or maintenance of the Project Highway. The cost of such shifting shall be borne by the Authority or by the entity owning such utility, if the Authority so directs, and in the event of any delay in shifting thereof, the Concessionaire shall be excused for failure to perform any of its obligations hereunder if such failure is a direct consequence of delay on the part of the entity owning such electric lines, water pipes or telephone cables, as the case may be.

#### 11.3 New utilities and roads

- 11.3.1 The Concessionaire shall allow, subject to such conditions as the Authority may specify, access to; and use of the Site for laying telephone lines, water pipes, electric cables or other public utilities. Where such access or use causes any financial loss to the Concessionaire, it may require the user of the Site to pay compensation or damages as per Applicable Laws. For the avoidance of doubt, it is agreed that use of the Site under this Clause shall not in any manner relieve the Concessionaire of its obligation to maintain the Project Highway in accordance with this Agreement and any damage caused by such use shall be restored forthwith.
- 11.3.2 The Authority may, by notice require the Concessionaire to connect any adjoining road to the Project Highway. Upon receipt of a notice hereunder, the connecting portion thereof falling within the Site shall be constructed by the Concessionaire at the Authority's cost in accordance with Article 16, and the maintenance thereof shall be undertaken by the Concessionaire in accordance with the provisions of Clause 17.1.3.

11.3.3 The Authority may by notice require the Concessionaire to connect, through a paved road, any adjoining service station, hotel, motel or any other public facility or amenity to the Project Highway, whereupon the connecting portion thereof that falls within the Site shall be constructed and maintained by the Concessionaire upon advance payment of the cost to be made by the beneficiary entity in accordance with the amount and period as determined by the Independent Engineer. For the avoidance of doubt, any connecting road constructed prior to the Appointed Date and falling within the Site shall be maintained by the Concessionaire upon advance payment to be made by the beneficiary entity in accordance with the provisions of this Clause.

### 11.4 Felling of trees

The Authority shall assist the Concessionaire in obtaining the Applicable Permits for felling of trees to be identified by the Authority for this purpose if and only if such trees cause a material adverse effect on the construction, operation or maintenance of the Project Highway. The cost of such felling shall be borne by the Authority, and in the event of any delay in felling thereof for reasons beyond the control of the Concessionaire, it shall be excused for failure to perform any of its obligations hereunder if such failure is a direct consequence of delay in the felling of trees. For the avoidance of doubt, the Parties hereto agree that the felled trees shall be deemed to be owned by the Authority and shall be disposed in such manner and subject to such conditions as the Authority may in its sole discretion deem appropriate.





# CONSTRUCTION OF THE PROJECT HIGHWAY

# 12.1 Obligations prior to commencement of construction

Prior to commencement of Construction Works, the Concessionaire shall:

- (a) submit to the Authority and the Independent Engineer its detailed design, construction methodology, quality assurance procedures, and the procurement, engineering and construction time schedule for completion of the Project in accordance with the Project Completion Schedule as set forth in Schedule-G;
- (b) appoint its representative duly authorised to deal with the Authority in respect of all matters under or arising out of or relating to this Agreement;
- (c) undertake, do and perform all such acts, deeds and things as may be necessary or required before commencement of construction under and in accordance with this Agreement, the Applicable Laws and Applicable Permits; and
- (d) make its own arrangements for quarrying of materials needed for the Project Highway under and in accordance with the Applicable Laws and Applicable Permits.

# 12.2 Maintenance during Construction Period

During the Construction Period, the Concessionaire shall maintain, at its cost, the existing lane(s) of the Project Highway so that the traffic worthiness and safety thereof are at no time materially inferior as compared to their condition 7 (seven) days prior to the date of this Agreement, and shall undertake the necessary repair and maintenance works for this purpose; provided that the Concessionaire may, at its cost, interrupt and divert the flow of traffic if such interruption and diversion is necessary for the efficient progress of Construction Works and conforms to Good Industry Practice; provided further that such interruption and diversion shall be undertaken by the Concessionaire only with the prior written approval of the Independent Engineer which approval shall not be unreasonably withheld. For the avoidance of doubt, it is agreed that the Concessionaire shall at all times be responsible for ensuring safe operation of the Project Highway.

## 12.3 Drawings

In respect of the Concessionaire's obligations relating to the Drawings of the Project Highway as set forth in Schedule-H, the following shall apply:

(a) The Concessionaire shall prepare and submit, with reasonable, promptness and in such sequence as is consistent with the Project

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Completion Schedule, three copies each of all Drawings to the Independent Engineer for review;

- (b) By submitting the Drawings for review to the Independent Engineer, the Concessionaire shall be deemed to have represented that it has determined and verified that the design and engineering, including field construction criteria related thereto, are in conformity with the Scope of the Project and the Specifications and Standards;
- (c) Within 15 (fifteen) days of the receipt of the Drawings, the Independent Engineer shall review the same and convey its observations to the Concessionaire with particular reference to their conformity or otherwise with the Scope of the Project and the Specifications and Standards. The Concessionaire shall not be obliged to await the observations of the Independent Engineer on the Drawings submitted pursuant hereto beyond the said 15 (fifteen) days period and may begin or continue Construction Works at its own discretion and risk;
- (d) If the aforesaid observations of the Independent Engineer indicate that the Drawings are not in conformity with the Scope of the Project or the Specifications and Standards, such Drawings shall be revised by the Concessionaire and resubmitted to the Independent Engineer for review. The Independent Engineer shall give its observations, if any, within 7 (seven) days of receipt of the revised Drawings;
- (e) No review and/or observation of the Independent Engineer and/or its failure to review and/or convey its observations on any Drawings shall relieve the Concessionaire of its obligations and liabilities under this Agreement in any manner nor shall the Independent Engineer or the Authority be liable for the same in any manner;
- (f) Without prejudice to the foregoing provisions of this Clause 12.3, the Concessionaire shall submit to the Authority for review and comments, its Drawings relating to alignment of the Project Highway, finished road level, location and layout of the Toll Plazas and general arrangement drawings of major bridges, flyovers and grade separators, and the Authority shall have the right but not the obligation to undertake such review and provide its comments, if any, within 30 (thirty) days of the receipt of such Drawings. The provisions of this Clause 12.3 shall apply mutatis mutandis to the review and comments hereunder; and
- (g) Within 90 (ninety) days of the Project Completion Date, the Concessionaire shall furnish to the Authority and the Independent Engineer a complete set of as-built Drawings, in 2 (two) hard copies and in micro film form or in such other medium as may be acceptable to the Authority, reflecting the Project Highway as actually designed engineered and constructed, including an as-built survey illustrating



the layout of the Project Highway and setback lines, if any, of the buildings and structures forming part of Project Facilities.

### 12.4 Four-Laning of the Project Highway

- 12.4.1 On or after the Appointed Date, the Concessionaire shall undertake construction of Four-Laning as specified in Schedule-B and Schedule-C, and in conformity with the Specifications and Standards set forth in Schedule-D. The 910th (nine hundred and tenth) day from the Appointed Date shall be the scheduled date for completion of Four-Laning (the "Scheduled Four-Laning Date") and the Concessionaire agrees and undertakes that Four-Laning shall be completed on or before the Scheduled Four-Laning Date.
- 12.4.2 The Concessionaire shall construct the Project Highway in accordance with the Project Completion Schedule set forth in Schedule-G. In the event that the Concessionaire fails to achieve any Project Milestone within a period of 90 (ninety) days from the date set forth for such Milestone in Schedule-G, unless such failure has occurred due to Force Majeure or for reasons solely attributable to the Authority, it shall pay Damages to the Authority in a sum calculated at the rate of 0.1% (zero point one per cent) of the amount of Performance Security for delay of each day until such Milestone is achieved; provided that if any or all Project Milestones or the Scheduled Four-Laning Date are extended in accordance with the provisions of this Agreement, the dates set forth in Schedule-G shall be deemed to be modified accordingly and the provisions of this Agreement shall apply as if Schedule-G has been amended as above; provided further that in the event Project Completion Date is achieved on or before the Scheduled Four-Laning Date, the Damages paid under this Clause 12.4.2 shall be refunded by the Authority to the Concessionaire, but without any interest thereon. For the avoidance of doubt, it is agreed that recovery of Damages under this Clause 12.4.2 shall be without prejudice to the rights of the Authority under this Agreement, including the right of Termination thereof.
- 12.4.3 In the event that Four-Laning is not completed within 270 (two hundred and seventy) days from the Scheduled Four-Laning Date, unless the delay is on account of reasons solely attributable to the Authority or due to Force Majeure, the Authority shall be entitled to terminate this Agreement.

### 12.5 Six-Laning of the Project Highway

Deleted

12.6 Termination due to failure to complete Six-Laning

Deleted

12.7 Construction of service roads by the Authority

The Authority shall, at any time after the 8th (eighth) anniversary of the Appointed Date, be entitled in its discretion to undertake at its construction of service roads on the Project Highway in accordance with the

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specifications and standards applicable to other district roads (ODRs) in the State. Such construction shall be undertaken without causing undue disruption to traffic and upon its completion, the Concessionaire shall have the obligation to maintain the service roads in accordance with Good Industry Practice and regulate the use thereof in accordance with the provisions of this Agreement.





### MONITORING OF CONSTRUCTION

### 13.1 Monthly progress reports

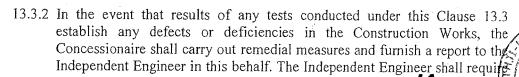
During the Construction Period, the Concessionaire shall, no later than 7 (seven) days after the close of each month, furnish to the Authority and the Independent Engineer a monthly report on progress of the Construction Works and shall promptly give such other relevant information as may be required by the Independent Engineer.

### 13.2 Inspection

During the Construction Period, the Independent Engineer shall inspect the Project Highway at least once a month and make a report of such inspection (the "Inspection Report") stating in reasonable detail the defects or deficiencies, if any, with particular reference to the Scope of the Project and Specifications and Standards. It shall send a copy of the Inspection Report to the Authority and the Concessionaire within 7 (seven) days of such inspection and upon receipt thereof, the Concessionaire shall rectify and remedy the defects or deficiencies, if any, stated in the Inspection Report. Such inspection or submission of Inspection Report by the Independent Engineer shall not relieve or absolve the Concessionaire of its obligations and liabilities hereunder in any manner whatsoever.

#### 13.3 Tests

13.3.1 For determining that the Construction Works conform to the Specifications and Standards, the Independent Engineer shall require the Concessionaire to carry out or cause to be carried out tests, at such time and frequency and in such manner as may be specified by the Independent Engineer from time to time, in accordance with Good Industry Practice for quality assurance. The size of sample for such tests shall, to the extent possible, not exceed 10% (ten per cent) of the quantity and/or number of tests prescribed by IRC and/or MORTH for the construction works undertaken by the Authority through their contractors. The Concessionaire shall, with due diligence, carry out or cause to be carried out all the tests in accordance with the instructions of the Independent Engineer and furnish the results thereof to the Independent Engineer. One half of the costs incurred on such tests, and to the extent certified by the Independent Engineer as reasonable, shall be reimbursed by the Authority to the Concessionaire. For the avoidance of doubt, the costs to be incurred on any Test which is undertaken for determining the rectification of any defect or deficiency in construction shall be borne solely by the Concessionaire.



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the Concessionaire to carry out or cause to be carried out tests to determine that such remedial measures have brought the Construction Works into compliance with the Specifications and Standards, and the procedure set forth in this Clause 13.3 shall be repeated until such Construction Works conform to the Specifications and Standards. For the avoidance of doubt, it is agreed that tests pursuant to this Clause 13.3 shall be undertaken in addition to and independent of the tests that shall be carried out by the Concessionaire for its own quality assurance in accordance with Good Industry Practice. It is also agreed that a copy of the results of such tests shall be sent by the Concessionaire to the Independent Engineer forthwith.

### 13.4 Delays during construction

Without prejudice to the provisions of Clause 12.4.2, if the Concessionaire does not achieve any of the Project Milestones or the Independent Engineer shall have reasonably determined that the rate of progress of Construction Works is such that Four-Laning is not likely to be achieved by the Scheduled Four-Laning Date, it shall notify the Concessionaire to this effect, and the Concessionaire shall, within 15 (fifteen) days of such notice, by a communication inform the Independent Engineer in reasonable detail about the steps it proposes to take to expedite progress and the period within which it shall achieve the Project Completion Date.

## 13.5 Suspension of unsafe Construction Works

- 13.5.1 Upon recommendation of the Independent Engineer to this effect, the Authority may by notice require the Concessionaire to suspend forthwith the whole or any part of the Construction Works if, in the reasonable opinion of the Authority, such work threatens the safety of the Users and pedestrians.
- 13.5.2 The Concessionaire shall, pursuant to the notice under Clause 13.5.1, suspend the Construction Works or any part thereof for such time and in such manner as may be specified by the Authority and thereupon carry out remedial measures to secure the safety of suspended works and the Users. The Concessionaire may by notice require the Independent Engineer to inspect such remedial measures forthwith and make a report to the Authority recommending whether or not the suspension hereunder may be revoked. Upon receiving the recommendations of the Independent Engineer, the Authority shall either revoke such suspension or instruct the Concessionaire to carry out such other and further remedial measures as may be necessary in the reasonable opinion of the Authority, and the procedure set forth in this Clause 13.5 shall be repeated until the suspension hereunder is revoked.
- 13.5.3 Subject to the provisions of Clause 34.7, all reasonable costs incurred for maintaining and protecting the Construction Works or part thereof during the period of suspension (the "Preservation Costs"), shall be borne by the Concessionaire; provided that if the suspension has occurred as a result of any breach of this Agreement by the Authority, the Preservation Costs shall be borne by the Authority.

13.5.4 If suspension of Construction Works is for reasons not attributable to the Concessionaire, the Independent Engineer shall determine any extension of the dates set forth in the Project Completion Schedule to which the Concessionaire is reasonably entitled, and shall notify the Authority accordingly whereupon the Authority shall extend such Project Completion Schedule dates in accordance with the recommendations of the Independent Engineer. In the event that the Scheduled Four-Laning Date is extended pursuant hereto, the Concession Period shall be deemed to be extended by a period equal in length to the period of extension of the Scheduled Four-Laning Date.

# 13.6 Video recording

During the Construction Period, the Concessionaire shall provide to the Authority for every calendar quarter, a video recording, which will be compiled into a 3 (three)-hour compact disc or digital video disc, as the case may be, covering the status and progress of Construction Works in that quarter. The first such video recording shall be provided to the Authority within 7 (seven) days of the Appointed Date and thereafter, no later than 15 (fifteen) days after the close of each quarter.





### COMPLETION CERTIFICATE

#### 14.1 Tests

- 14.1.1 At least 30 (thirty) days prior to the likely completion of the Project Highway, the Concessionaire shall notify the Independent Engineer of its intent to subject the Project Highway to Tests. The date and time of each of the Tests shall be determined by the Independent Engineer in consultation with the Concessionaire, and notified to the Authority who may designate its representative to witness the Tests. The Concessionaire shall provide such assistance as the Independent Engineer may reasonably require for conducting the Tests. In the event of the Concessionaire and the Independent Engineer failing to mutually agree on the dates for conducting the Tests, the Concessionaire shall fix the dates by not less than 10 (ten) days notice to the Independent Engineer.
- 14.1.2 All Tests shall be conducted in accordance with Schedule-I. The Independent Engineer shall observe, monitor and review the results of the Tests to determine compliance of the Project Highway with Specifications and Standards and if it is reasonably anticipated or determined by the Independent Engineer during the course of any Test that the performance of the Project Highway or any part thereof does not meet the Specifications and Standards, it shall have the right to suspend or delay such Test and require the Concessionaire to remedy and rectify the defects or deficiencies. Upon completion of each Test, the Independent Engineer shall provide to the Concessionaire and the Authority copies of all Test data including detailed Test results. For the avoidance of doubt, it is expressly agreed that the Independent Engineer may require the Concessionaire to carry out or cause to be carried out additional Tests, in accordance with Good Industry Practice, for determining the compliance of the Project Highway with Specifications and Standards.

#### 14.2 Completion Certificate

Upon completion of Construction Works and the Independent Engineer determining the Tests to be successful, it shall forthwith issue to the Concessionaire and the Authority a certificate substantially in the form set forth in Schedule-J (the "Completion Certificate").

#### 14.3 Provisional Certificate

14.3.1 The Independent Engineer may, at the request of the Concessionaire, issue a provisional certificate of completion substantially in the form set forth in Schedule-J (the "Provisional Certificate") if the Tests are successful and the Project Highway can be safely and reliably placed in commercial operation though certain works or things forming part thereof are outstanding and not yet complete. In such an event, the Provisional Certificate shall have appended thereto a list of outstanding items signed jointly by the

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Independent Engineer and the Concessionaire (the "Punch List"); provided that the Independent Engineer shall not withhold the Provisional Certificate for reason of any work remaining incomplete if the delay in completion thereof is attributable to the Authority.

14.3.2 The Parties hereto expressly agree that a Provisional Certificate under this Clause 14.3 may, upon request of the Concessionaire to this effect, be issued for operating part of the Project Highway, if at least 75% (seventy five per cent) of the total length of the Project Highway has been completed. Upon issue of such Provisional Certificate, the provisions of Article 15 shall apply to such completed part.

## 14.4 Completion of Punch List items

- 14.4.1 All items in the Punch List shall be completed by the Concessionaire within 90 (ninety) days of the date of issue of the Provisional Certificate and for any delay thereafter, other than for reasons solely attributable to the Authority or due to Force Majeure, the Authority shall be entitled to recover Damages from the Concessionaire to be calculated and paid for each day of delay until all items are completed, at the lower of (a) 0.1% (zero point one per cent) of the Performance Security, and (b) 0.2% (zero point two per cent) of the cost of completing such items as estimated by the Independent Engineer. Subject to payment of such Damages, the Concessionaire shall be entitled to a further period not exceeding 120 (one hundred and twenty) days for completion of the Punch List items. For the avoidance of doubt, it is agreed that if completion of any item is delayed for reasons solely attributable to the Authority or due to Force Majeure, the completion date thereof shall be determined by the Independent Engineer in accordance with Good Industry Practice, and such completion date shall be deemed to be the date of issue of the Provisional Certificate for the purposes of Damages, if any, payable for such item under this Clause 14.4.1.
- 14.4.2 Upon completion of all Punch List items, the Independent Engineer shall issue the Completion Certificate. Failure of the Concessionaire to complete all the Punch List items within the time set forth in Clause 14.4.1 for any reason, other than conditions constituting Force Majeure or for reasons solely attributable to the Authority, shall entitle the Authority to terminate this Agreement.

#### 14.5 Withholding of Provisional Certificate

14.5.1 If the Independent Engineer determines that the Project Highway or any part thereof does not conform to the provisions of this Agreement and cannot be safely and reliably placed in commercial operation, it shall forthwith make a report in this behalf and send copies thereof to the Authority and the Concessionaire. Upon receipt of such a report from the Independent Engineer and after conducting its own inspection, if the Authority is of the opinion that the Project Highway is not fit and safe for commercial service, it shall, within 7 (seven) days of receiving the aforesaid report, notify the Concessionaire of the defects and deficiencies in the Project Highway and

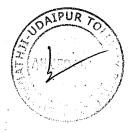
direct the Independent Engineer to withhold issuance of the Provisional Certificate. Upon receipt of such notice, the Concessionaire shall remedy and rectify such defects or deficiencies and thereupon Tests shall be undertaken in accordance with this Article 14. Such procedure shall be repeated as necessary until the defects or deficiencies are rectified.

14.5.2 Notwithstanding anything to the contrary contained in Clause 14.5.1, the Authority may, at any time after receiving a report from the Independent Engineer under that Clause, direct the Independent Engineer to issue a Provisional Certificate under Clause 14.3, and such direction shall be complied forthwith.

### 14.6 Rescheduling of Tests

If the Independent Engineer certifies to the Authority and the Concessionaire that it is unable to issue the Completion Certificate or Provisional Certificate, as the case may be, because of events or circumstances on account of which the Tests could not be held or had to be suspended, the Concessionaire shall be entitled to re-schedule the Tests and hold the same as soon as reasonably practicable.





# ENTRY INTO COMMERCIAL SERVICE

# 15.1 Commercial Operation Date (COD)

Four-Laning shall be deemed to be complete when the Completion Certificate or the Provisional Certificate, as the case may be, is issued under the provisions of Article 14, and accordingly the commercial operation date of the Project shall be the date on which such Completion Certificate or the Provisional Certificate is issued (the "COD"). The Project Highway shall enter into commercial service on COD whereupon the Concessionaire shall be entitled to demand and collect Fee in accordance with the provisions of Article 27.

### 15.2 Damages for delay

Subject to the provisions of Clause 12.4, if COD does not occur prior to the 91st (ninety first) day after the Scheduled Four-Laning Date, unless the delay is on account of reasons solely attributable to the Authority or due to Force Majeure, the Concessionaire shall pay Damages to the Authority in a sum calculated at the rate of 0.1% (zero point one per cent) of the amount of Performance Security for delay of each day until COD is achieved.





#### CHANGE OF SCOPE

### 16.1 Change of Scope

- 16.1.1 The Authority may, notwithstanding anything to the contrary contained in this Agreement, require the provision of additional works and services which are not included in the Scope of the Project as contemplated by this Agreement (the "Change of Scope"). Any such Change of Scope shall be made in accordance with the provisions of this Article 16 and the costs thereof shall be expended by the Concessionaire and reimbursed to it by the Authority in accordance with Clause 16.3.
- 16.1.2 If the Concessionaire determines at any time that a Change of Scope is necessary for providing safer and improved services to the Users, it shall by notice in writing require the Authority to consider such Change of Scope. The Authority shall, within 15 (fifteen) days of receipt of such notice, either accept such Change of Scope with modifications, if any, and initiate proceedings therefor in accordance with this Article 16 or inform the Concessionaire in writing of its reasons for not accepting such Change of Scope.
- 16.1.3 Any works or services which are provided under and in accordance with this Article 16 shall form part of the Project Highway and the provisions of this Agreement shall apply *mutatis mutandis* to such works or services.

# 16.2 Procedure for Change of Scope

- 16.2.1 In the event of the Authority determining that a Change of Scope is necessary, it shall issue to the Concessionaire a notice specifying in reasonable detail the works and services contemplated thereunder (the "Change of Scope Notice").
- 16.2.2 Upon receipt of a Change of Scope Notice, the Concessionaire shall, with due diligence, provide to the Authority such information as is necessary, together with preliminary Documentation in support of:
  - (a) the impact, if any, which the Change of Scope is likely to have on the Project Completion Schedule if the works or services are required to be carried out during the Construction Period; and



the options for implementing the proposed Change of Scope and the effect, if any, each such option would have on the costs and time thereof, including a detailed breakdown by work classifications specifying the material and labour costs calculated in accordance with the schedule of rates applicable to the works assigned by the PUR Authority to its contractors, along with the proposed premium/discount on such rates; provided that the cost incurred by the Concessionaire in providing such information shall be reimbursed

by the Authority to the extent such cost is certified by the Independent Engineer as reasonable.

- 16.2.3 Upon receipt of information set forth in Clause 16.2.2, if the Authority decides to proceed with the Change of Scope, it shall convey its preferred option to the Concessionaire, and the Parties shall, with assistance of the Independent Engineer, thereupon make good faith efforts to agree upon the time and costs for implementation thereof. Upon reaching an agreement, the Authority shall issue an order (the "Change of Scope Order") requiring the Concessionaire to proceed with the performance thereof. In the event that the Parties are unable to agree, the Authority may, by issuing a Change of Scope Order, require the Concessionaire to proceed with the performance thereof pending resolution of the Dispute, or carry out the works in accordance with Clause 16.5.
- 16.2.4 The provisions of this Agreement, insofar as they relate to Construction Works and Tests, shall apply *mutatis mutandis* to the works undertaken by the Concessionaire under this Article 16.

# 16.3 Payment for Change of Scope

- 16.3.1 Within 7 (seven) days of issuing a Change of Scope Order, the Authority shall make an advance payment to the Concessionaire in a sum equal to 20% (twenty per cent) of the cost of Change of Scope as agreed hereunder, and in the event of a Dispute, 20% (twenty per cent) of the cost assessed by the Independent Engineer. The Concessionaire shall, after commencement of work, present to the Authority bills for payment in respect of the works in progress or completed works, as the case may be, supported by such Documentation as is reasonably sufficient for the Authority to determine the accuracy thereof. Within 30 (thirty) days of receipt of such bills, the Authority shall disburse to the Concessionaire such amounts as are certified by the Independent Engineer as reasonable and after making a proportionate deduction for the advance payment made hereunder, and in the event of any Dispute, final adjustments thereto shall be made under and in accordance with the Dispute Resolution Procedure.
- 16.3.2 Notwithstanding anything to the contrary contained in Clause 16.3.1, all costs arising out of any Change of Scope Order issued during the Construction Period shall be borne by the Concessionaire, subject to an aggregate ceiling of 0.25% (zero point two five per cent) of the Total Project Cost. Any costs in excess of the ceiling shall be reimbursed by the Authority in accordance with Clause 16.3.1. In the event that the total cost arising out of Change of Scope Orders (if any) issued prior to the Project Completion Date is less than 0.25% (zero point two five per cent) of the Total Project Cost, the difference thereof shall be credited by the Concessionaire to the Safety Fund within a period of 180 (one hundred and eighty) days of the Project Completion Date. For the avoidance of doubt, it is agreed that the aforesaid 0.25% (zero point two five per cent) of the Total Project Cost shall to the extent borne by the Concessionaire, be deemed to form part of the actual capital cost of the Project.



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# 16.4 Restrictions on certain works

- 16.4.1 Notwithstanding anything to the contrary contained in this Article 16, but subject to the provisions of Clause 16.4.2, the Authority shall not require the Concessionaire to undertake any works or services if such works or services are likely to delay completion of Four-Laning; provided that in the event that the Authority considers such works or services to be essential, it may issue a Change of Scope Order, subject to the condition that the works forming part of or affected by such Order shall not be reckoned for purposes of determining completion of Four-Laning and issuing the Provisional Certificate.
- 16.4.2 Notwithstanding anything to the contrary contained in this Article 16, the Concessionaire shall be entitled to nullify any Change of Scope Order if it causes the cumulative costs relating to all the Change of Scope Orders to exceed 5% (five per cent) of the Total Project Cost in any continuous period of 3 (three) years immediately preceding the date of such Change of Scope Order or if such cumulative costs exceed 20% (twenty per cent) of the Total Project Cost at any time during the Concession Period.

# 16.5 Power of the Authority to undertake works

- 16.5.1 Notwithstanding anything to the contrary contained in Clauses 16.1.1, 16.2 and 16.3, the Authority may, after giving notice to the Concessionaire and considering its reply thereto, award any works or services, contemplated under Clause 16.1.1, to any person on the basis of open competitive bidding; provided that the Concessionaire shall have the option of matching the first ranked bid in terms of the selection criteria, subject to payment of 2% (two per cent) of the bid amount to the Authority<sup>\$\frac{1}{2}\$</sup>, and thereupon securing the award of such works or services. For the avoidance of doubt, it is agreed that the Concessionaire shall be entitled to exercise such option only if it has participated in the bidding process and its bid does not exceed the first ranked bid by more than 10% (ten percent) thereof. It is also agreed that the Concessionaire shall provide access, assistance and cooperation to the person who undertakes the works or services hereunder.
- 16.5.2 The works undertaken in accordance with this Clause 16.5 shall conform to the Specifications and Standards and shall be carried out in a manner that minimises the disruption in operation of the Project Highway. The provisions of this Agreement, insofar as they relate to Construction Works and Tests, shall apply *mutatis mutandis* to the works carried out under this Clause 16.5.

# 16.6 Reduction in Scope of the Project

16.6.1 If the Concessionaire shall have failed to complete any Construction Works on account of Force Majeure or for reasons solely attributable to the Authority, the Authority may, in its discretion, require the Concessionaire to pay 80% (eighty percent) of the sum saved therefrom, and upon such

The Authority shall transfer 75% (seventy five percent) of the amount so received to the first ranked bidder whose bid shall have been matched by the Concessionaire.

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payment to the Authority, the obligations of the Concessionaire in respect of such works shall be deemed to have been fulfilled. For the avoidance of doubt, it is agreed that in the event such reduction in Scope of the Project causes or will cause a reduction in net after-tax return of the Concessionaire, the Parties shall meet, as soon as reasonably practical, and agree on a full or partial waiver of the aforesaid payment of 80% (eighty per cent) so as to place the Concessionaire in the same financial position as it would have enjoyed had there been no reduction in Scope of the Project. It is further agreed that the liability of the Authority under this Clause 16.6 shall not extend beyond waiver of the aforesaid 80% (eighty per cent). It is also agreed that in the event of a dispute, the Dispute Resolution Procedure shall apply.

16.6.2 For determining the obligations of the Concessionaire under this Clause 16.6, the provisions of Clauses 16.1, 16.2 and 16.4 shall apply mutatis mutandis, and upon issue of Change of Scope Order by the Authority hereunder, the Concessionaire shall pay forthwith the sum specified therein.

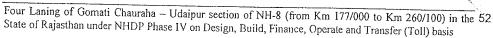




# OPERATION AND MAINTENANCE

# 17.1 O&M obligations of the Concessionaire

- 17.1.1 During the Operation Period, the Concessionaire shall operate and maintain the Project Highway in accordance with this Agreement either by itself, or through the O&M Contractor and if required, modify, repair or otherwise make improvements to the Project Highway to comply with the provisions of this Agreement, Applicable Laws and Applicable Permits, and conform to Specifications and Standards and Good Industry Practice. The obligations of the Concessionaire hereunder shall include:
  - (a) permitting safe, smooth and uninterrupted flow of traffic on the Project Highway during normal operating conditions;
  - (b) collecting and appropriating the Fee;
  - (c) minimising disruption to traffic in the event of accidents or other incidents affecting the safety and use of the Project Highway by providing a rapid and effective response and maintaining liaison with emergency services of the State;
  - (d) carrying out periodic preventive maintenance of the Project Highway;
  - (e) undertaking routine maintenance including prompt repairs of potholes, cracks, joints, drains, embankments, structures, pavement markings, lighting, road signs and other traffic control devices;
  - (f) undertaking major maintenance such as resurfacing of pavements, repairs to structures, and repairs and refurbishment of tolling system and other equipment;
  - (g) preventing, with the assistance of concerned law enforcement agencies, any unauthorised use of the Project Highway;
  - (h) preventing, with the assistance of the concerned law enforcement agencies, any encroachments on the Project Highway;
  - (i) protection of the environment and provision of equipment and materials therefore;
  - (j) operation and maintenance of all communication, control and administrative systems necessary for the efficient operation of the Project Highway;
  - (k) maintaining a public relations unit to interface with and attend to suggestions from the Users, government agencies, media and other agencies; and





- (l) complying with Safety Requirements in accordance with Article 18.
- 17.1.2 The Concessionaire shall remove promptly from the Project Highway all surplus construction machinery and materials, waste materials (including hazardous materials and waste water), rubbish and other debris (including, without limitation, accident debris) and keep the Project Highway in a clean, tidy and orderly condition, and in conformity with the Applicable Laws, Applicable Permits and Good Industry Practice. For the avoidance of doubt, it is agreed that the debris and material excavated shall be carried to and deposited at a particular site to be decided in consultation with the Authority and Independent Engineer.
- 17.1.3 The Concessionaire shall maintain, in conformity with Good Industry Practice, all stretches of approach roads, over-passes, under-passes or other structures situated on the Site but not forming part of the carriageway.

# 17.2 Maintenance Requirements

The Concessionaire shall procure that at all times during the Operation Period, the Project Highway conforms to the maintenance requirements set forth in Schedule-K (the "Maintenance Requirements").

#### 17.3 Maintenance Manual

- 17.3.1 No later than 180 (one hundred and eighty) days prior to the Scheduled Four-Laning Date, the Concessionaire shall, in consultation with the Independent Engineer, evolve a repair and maintenance manual (the "Maintenance Manual") for the regular and preventive maintenance of the Project Highway in conformity with the Specifications and Standards, Maintenance Requirements, Safety Requirements and Good Industry Practice, and shall provide 5 (five) copies thereof to the Authority and 2 (two) copies to the Independent Engineer. The Maintenance Manual shall be revised and updated once every 3 (three) years and the provisions of this Clause 17.3 shall apply, mutatis mutandis, to such revision.
- 17.3.2 Without prejudice to the provision of Clause 17.3.1, the Maintenance Manual shall, in particular, include provisions for maintenance of Project Assets and shall provide for life cycle maintenance, routine maintenance and reactive maintenance which may be reasonably necessary for maintenance and repair of the Project Assets, including replacement thereof, such that their overall condition conforms to Good Industry Practice.

# 17.4 Maintenance Programme

17.4.1 On or before COD and no later than 45 (forty five) days prior to the beginning of each Accounting Year during the Operation Period, as the case may be, the Concessionaire shall provide to the Authority and the Independent Engineer, its proposed annual programme of preventive, urgent and other scheduled maintenance (the "Maintenance Programme") to comply with the Maintenance Requirements, Maintenance Manual and Safety Requirements. Such Maintenance Programme shall include:

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- (a) preventive maintenance schedule;
- (b) arrangements and procedures for carrying out urgent repairs;
- (c) criteria to be adopted for deciding maintenance needs;
- (d) intervals and procedures for carrying out inspection of all elements of the Project Highway;
- (e) intervals at which the Concessionaire shall carry out periodic maintenance;
- (f) arrangements and procedures for carrying out safety related measures; and
- (g) intervals for major maintenance works and the scope thereof.
- 17.4.2 Within 15 (fifteen) days of receipt of the Maintenance Programme, the Independent Engineer shall review the same and convey its comments to the Concessionaire with particular reference to its conformity with the Maintenance Requirements, Maintenance Manual and Safety Requirements.
- 17.4.3 The Concessionaire may modify the Maintenance Programme as may be reasonable in the circumstances, and the procedure specified in Clauses 17.4.1 and 17.4.2 shall apply *mutatis mutandis* to such modifications.

# 17.5 Safety, vehicle breakdowns and accidents

- 17.5.1 The Concessionaire shall ensure safe conditions for the Users, and in the event of unsafe conditions, lane closures, diversions, vehicle breakdowns and accidents, it shall follow the relevant operating procedures including the setting up of temporary traffic cones and lights, and removal of obstruction and debris without delay. Such procedures shall conform to the provisions of this Agreement, Applicable Laws, Applicable Permits and Good Industry Practice.
- 17.5.2 The Concessionaire's responsibility for rescue operations on the Project Highway shall be limited to an initial response to any particular incident until such time that the competent authority takes charge and shall include prompt removal of vehicles or debris or any other obstruction, which may endanger or interrupt the smooth flow of traffic. For this purpose, it shall maintain and operate a round-the-clock vehicle rescue post with one mobile crane having the capacity to lift a truck with a Gross Vehicle Weight of 30,000 (thirty thousand) kilograms; and such posts shall be located at each of the Toll Plaza(s).

# 17.6 De-commissioning due to Emergency

17.6.1 If, in the reasonable opinion of the Concessionaire, there exists an Emergency which warrants de-commissioning and closure to traffic of the whole or any part of the Project Highway, the Concessionaire shall be

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entitled to de-commission and close the whole or any part of the Project Highway to traffic for so long as such Emergency and the consequences thereof warrant; provided that such decommissioning and particulars thereof shall be notified by the Concessionaire to the Authority without any delay, and the Concessionaire shall diligently carry out and abide by any reasonable directions that the Authority may give for dealing with such Emergency.

- 17.6.2 The Concessionaire shall re-commission the Project Highway or the affected part thereof as quickly as practicable after the circumstances leading to its decommissioning and closure have ceased to exist or have so abated as to enable the Concessionaire to re-commission the Project Highway and shall notify the Authority of the same without any delay.
- 17.6.3 Any decommissioning or closure of any part of the Project Highway and the re-commissioning thereof shall, as soon as practicable, be brought to the notice of affected persons by means of public announcements/notice.

#### 17.7 Lane closure

- 17.7.1 The Concessionaire shall not close any lane of the Project Highway for undertaking maintenance or repair works except with the prior written approval of the Independent Engineer. Such approval shall be sought by the Concessionaire through a written request to be made to the Independent Engineer, and a copy thereof furnished to the Authority, at least 7 (seven) days before the proposed closure of such lane and shall be accompanied by particulars thereof. Within 3 (three) days of receiving such request, the Independent Engineer shall grant permission with such modifications as it may deem necessary and a copy of such permission shall be sent to the Authority.
- 17.7.2 The provisions of Clause 17.7.1 shall not apply to de-commissioning under Clause 17.6.1 or to closure of any lane for a period not exceeding 2 (two) hours in a day at any time of the day and 6 (six) hours in a day at a time specified by the Independent Engineer as off-peak hours when the flow of traffic is comparatively lower.
- 17.7.3 Upon receiving the permission pursuant to Clause 17.7.1, the Concessionaire shall be entitled to close the designated lane for the period specified therein, and in the event of any delay in re-opening such lane, the Concessionaire shall pay Damages to the Authority calculated at the rate of 0.1% (zero point one per cent) of the Average Daily Fee for every stretch of 250 (two hundred and fifty) metres, or part thereof, for each day of delay until the lane has been re-opened for traffic.

# 17.8 Damages for breach of maintenance obligations

17.8.1 In the event that the Concessionaire fails to repair or rectify any defect or deficiency set forth in the Maintenance Requirements within the period specified therein, it shall be deemed to be in breach of this Agreement and the Authority shall be entitled to recover Damages, to be calculated and paid

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for each day of delay until the breach is cured, at the higher of (a) 0.5% (zero point five per cent) of Average Daily Fee, and (b) 0.1% (zero point one per cent) of the cost of such repair or rectification as estimated by the Independent Engineer.

Notwithstanding anything contained in this Agreement, should the actual traffic exceed the design capacity, during any year or part thereof and the Concessionaire fails to repair or rectify any defect or deficiency set forth in the Maintenance Requirements within the period specified therein, it shall be deemed to be in breach of this Agreement and the Authority shall be entitled, from such date, to recover Damages, to be calculated and paid for each day of delay until the breach is cured, at the higher of (a) 5% (five per cent) of Average Daily Fee, and (b) 1% (one per cent) of the cost of such repair or rectification as estimated by the Independent Engineer, for the balance period of the concession.

Recovery of such Damages shall be without prejudice to the rights of the Authority under this Agreement, including the right of Termination thereof.

17.8.2 The Damages set forth in Clause 17.8.1 may be assessed and specified forthwith by the Independent Engineer; provided that the Authority may, in its discretion, demand a smaller sum as Damages, if in its opinion, the breach has been cured promptly and the Concessionaire is otherwise in compliance with its obligations hereunder. The Concessionaire shall pay such Damages forthwith and in the event that it contests such Damages, the Dispute Resolution Procedure shall apply.

# 17.9 Authority's right to take remedial measures

17.9.1 In the event the Concessionaire does not maintain and/or repair the Project Highway or any part thereof in conformity with the Maintenance Requirements, the Maintenance Manual or the Maintenance Programme, as the case may be, and fails to commence remedial works within 15 (fifteen) days of receipt of the O&M Inspection Report or a notice in this behalf from the Authority or the Independent Engineer, as the case may be, the Authority shall, without prejudice to its rights under this Agreement including Termination thereof, be entitled to undertake such remedial measures at the risk and cost of the Concessionaire, and to recover its cost from the Concessionaire. In addition to recovery of the aforesaid cost, a sum equal to 20% (twenty per cent) of such cost shall be paid by the Concessionaire to the Authority as Damages. For the avoidance of doubt, the right of the Authority under this Clause 17.9.1 shall be without prejudice to its rights and remedies provided under Clause 17.8.

17.9.2 The Authority shall have the right, and the Concessionaire hereby expressly grants to the Authority the right, to recover the costs and Damages specified in Clause 17.9.1 directly from the Escrow Account as if such costs and Damages were O&M Expenses, and for that purpose, the Concessionaire hereby agrees to give irrevocable instructions to the Escrow Bank to make

payment from the Escrow Account in accordance with the instructions of the Authority under this Clause 17.9.2 and debit the same to O&M Expenses.

# 17.10 Overriding powers of the Authority

- 17.10.1 If in the reasonable opinion of the Authority, the Concessionaire is in material breach of its obligations under this Agreement and, in particular, the Maintenance Requirements, and such breach is causing or likely to cause material hardship or danger to the Users, the Authority may, without prejudice to any of its rights under this Agreement including Termination thereof, by notice require the Concessionaire to take reasonable measures immediately for rectifying or removing such hardship or danger, as the case may be.
- 17.10.2 In the event that the Concessionaire, upon notice under Clause 17.10.1, fails to rectify or remove any hardship or danger within a reasonable period, the Authority may exercise overriding powers under this Clause 17.10.2 and take over the performance of any or all the obligations of the Concessionaire to the extent deemed necessary by it for rectifying or removing such hardship or danger; provided that the exercise of such overriding powers by the Authority shall be of no greater scope and of no longer duration than is reasonably required hereunder; provided further that any costs and expenses incurred by the Authority in discharge of its obligations hereunder shall be deemed to be O&M Expenses, and the Authority shall be entitled to recover them from the Concessionaire in accordance with the provisions of Clause 17.9 along with the Damages specified therein.
- 17.10.3 In the event of a national emergency, civil commotion or any other act specified in Clause 34.3, the Authority may take over the performance of any or all the obligations of the Concessionaire to the extent deemed necessary by it or as directed by the Government, and exercise such control over the Project Highway or give such directions to the Concessionaire as may be deemed necessary; provided that the exercise of such overriding powers by the Authority shall be of no greater scope and of no longer duration than is reasonably required in the circumstances which caused the exercise of such overriding power by the Authority. For the avoidance of doubt, it is agreed that the consequences of such action shall be dealt in accordance with the provisions of Article 34. It is also agreed that the Concessionaire shall comply with such instructions as the Authority may issue in pursuance of the provisions of this Clause 17.10, and shall provide assistance and cooperation to the Authority, on a best effort basis, for performance of its obligations hereunder.

# 17.11 Restoration of loss or damage to Project Highway

Save and except as otherwise expressly provided in this Agreement, in the event that the Project Highway or any part thereof suffers any loss or damage during the Concession Period from any cause whatsoever, the Concessionaire shall, at its cost and expense, rectify and remedy such loss or

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damage forthwith so that the Project Highway conforms to the provisions of this Agreement.

## 17.12 Modifications to the Project Highway

The Concessionaire shall not carry out any material modifications to the Project Highway save and except where such modifications are necessary for the Project Highway to operate in conformity with the Specifications and Standards, Maintenance Requirements, Good Industry Practice and Applicable Laws; provided that the Concessionaire shall notify the Independent Engineer of the proposed modifications along with particulars thereof at least 15 (fifteen) days before commencing work on such modifications and shall reasonably consider any suggestions that the Independent Engineer may make within 15 (fifteen) days of receiving the Concessionaire's proposal. For the avoidance of doubt, all modifications made hereunder shall comply with the Specifications and Standards, Applicable Laws and the provisions of this Agreement.

### 17.13 Excuse from performance of obligations

The Concessionaire shall not be considered in breach of its obligations under this Agreement if any part of the Project Highway is not available to traffic on account of any of the following for the duration thereof:

- (a) an event of Force Majeure;
- (b) measures taken to ensure the safe use of the Project Highway except when unsafe conditions occurred because of failure of the Concessionaire to perform its obligations under this Agreement; or
- (c) compliance with a request from the Authority or the directions of any Government Instrumentality, the effect of which is to close all or any part of the Project Highway.

Notwithstanding the above, the Concessionaire shall keep all unaffected parts of the Project Highway open to traffic provided they can be operated safely.

#### 17.14 Barriers and diversions

The Authority shall procure that during the Operation Period, no barriers are erected or placed by any Government Instrumentality on the Project Highway except for reasons of Emergency, national security, law and order or collection of inter-state taxes. The Authority shall also make best endeavours to procure that no Government Instrumentality shall undertake or cause to be undertaken, except for reasons of Emergency, national security or law and order, any diversions of traffic from, or closing down of approach roads to the Project Highway that may cause a material adverse effect on the AIPUR flow of traffic to and from the Project Highway.



## 17.15 Advertising on the Site

The Concessionaire shall not undertake or permit any form of commercial advertising, display or hoarding at any place on the Site if such advertising, display or hoarding shall be visible to the Users while driving on such Highway; provided that this restriction shall not apply to the Toll Plazas, rest areas, bus shelters and telephone booths located on the Project Highway if the advertising thereon does not, in the opinion of the Authority, distract the Users or violates extant guidelines of MoRTH. All advertising on the Project Highway shall also conform to Good Industry Practice. For the avoidance of doubt, it is agreed that the rights of the Concessionaire hereunder shall be subject to Applicable Laws, as in force and effect from time to time, and no compensation shall be claimed on account thereof.





# SAFETY REQUIREMENTS

# 18.1 Safety Requirements

- 18.1.1 The Concessionaire shall comply with the provisions of this Agreement, Applicable Laws and Applicable Permits and conform to Good Industry Practice for securing the safety of the Users. In particular, the Concessionaire shall develop, implement and administer a surveillance and safety programme for providing a safe environment on or about the Project Highway, and shall comply with the safety requirements set forth in Schedule-L (the "Safety Requirements").
- 18.1.2 The Authority shall appoint an experienced and qualified firm or organisation (the "Safety Consultant") for carrying out safety audit of the Project Highway in accordance with the Safety Requirements, and shall take all other actions necessary for securing compliance with the Safety Requirements.

# 18.2 Expenditure on Safety Requirements

All costs and expenses arising out of or relating to Safety Requirements shall be borne by the Concessionaire to the extent such costs and expenses form part of the works and services included in the Scope of the Project, and works and services, if any, not forming part of the Scope of the Project shall be undertaken in accordance with the provisions of Article 16. Costs and expenses on works and services not covered hitherto before and arising out of Safety Requirements shall, subject to the provisions of Clause 16.3.2, be borne from out of a dedicated safety fund (the "Safety Fund") to be funded, owned and operated by the Authority or a substitute thereof.





# MONITORING OF OPERATION AND MAINTENANCE

## 19.1 Monthly status reports

During Operation Period, the Concessionaire shall, no later than 7 (seven) days after the close of each month, furnish to the Authority and the Independent Engineer a monthly report stating in reasonable detail the condition of the Project Highway including its compliance or otherwise with the Maintenance Requirements, Maintenance Manual, Maintenance Programme and Safety Requirements, and shall promptly give such other relevant information as may be required by the Independent Engineer. In particular, such report shall separately identify and state in reasonable detail the defects and deficiencies that require rectification.

### 19.2 Inspection

The Independent Engineer shall inspect the Project Highway at least once a month. It shall make a report of such inspection (the "O&M Inspection Report") stating in reasonable detail the defects or deficiencies, if any, with particular reference to the Maintenance Requirements, Maintenance Manual, the Maintenance Programme and Safety Requirements, and send a copy thereof to the Authority and the Concessionaire within 7 (seven) days of such inspection.

#### 19.3 Tests

For determining that the Project Highway conforms to the Maintenance Requirements, the Independent Engineer shall require the Concessionaire to carry out, or cause to be carried out, tests specified by it in accordance with Good Industry Practice. The Concessionaire shall, with due diligence, carry out or cause to be carried out all such tests in accordance with the instructions of the Independent Engineer and furnish the results of such tests forthwith to the Independent Engineer. One half of the costs incurred on such tests, and to the extent certified by the Independent Engineer as reasonable, shall be reimbursed by the Authority to the Concessionaire.

## 19.4 Remedial measures

19.4.1 The Concessionaire shall repair or rectify the defects or deficiencies, if any, set forth in the O&M Inspection Report or in the test results referred to in Clause 19.3 and furnish a report in respect thereof to the Independent Engineer and the Authority within 15 (fifteen) days of receiving the O&M Inspection Report or the test results, as the case may be; provided that where the remedying of such defects or deficiencies is likely to take more than Language (fifteen) days, the Concessionaire shall submit progress reports of the repair works once every week until such works are completed in conformity with this Agreement.

19.4.2 The Independent Engineer shall require the Concessionaire to carry out or cause to be carried out tests, at its own cost, to determine that such remedial measures have brought the Project Highway into compliance with the Maintenance Requirements and the procedure set forth in this Clause 19.4 shall be repeated until the Project Highway conforms to the Maintenance Requirements. In the event that remedial measures are not completed by the Concessionaire in conformity with the provisions of this Agreement, the Authority shall be entitled to recover Damages from the Concessionaire under and in accordance with the provisions of Clause 17.8.

# 19.5 Monthly Fee Statement

During the Operation Period, the Concessionaire shall furnish to the Authority, within 7 (seven) days of completion of each month, a statement of Fee substantially in the form set forth in Schedule-M (the "Monthly Fee Statement"). The Concessionaire shall also furnish to the Authority such other information as the Authority may reasonably require, at specified intervals, in discharge of its statutory functions.

### 19.6 Reports of unusual occurrence

The Concessionaire shall, prior to the close of each day, send to the Authority and the Independent Engineer, by facsimile or e-mail, a report stating accidents and unusual occurrences on the Project Highway relating to the safety and security of the Users and Project Highway. A weekly and monthly summary of such reports shall also be sent within 3 (three) days of the closing of each week and month, as the case may be. For the purposes of this Clause 19.6, accidents and unusual occurrences on the Project Highway shall include:

- (a) death or injury to any person;
- (b) damaged or dislodged fixed equipment;
- (c) any obstruction on the Project Highway, which results in slow down of the services being provided by the Concessionaire;
- (d) disablement of any equipment during operation;
- (e) communication failure affecting the operation of Project Highway;
- (f) smoke or fire;
- (g) flooding of Project Highway; and
- (h) such other relevant information as may be required by the Authority or the Independent Engineer.



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# TRAFFIC REGULATION

# 20.1 Traffic regulation by the Concessionaire

The Concessionaire shall regulate traffic on the Project Highway in accordance with the Applicable Laws, and subject to the supervision and control of the State authorities or a substitute thereof empowered in this behalf under the Applicable Laws.

### 20.2 Police assistance

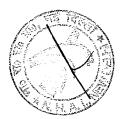
For regulating the use of Project Highway in accordance with the Applicable Laws and this Agreement, the Authority shall assist the Concessionaire in procuring police assistance from the State Police Department or a substitute thereof. The police assistance shall include setting up of a traffic aid post (the "Traffic Aid Post") at each of the Toll Plazas with a mobile Police squad for round-the-clock patrolling of the Project Highway.

# 20.3 Buildings for Traffic Aid Posts

The Concessionaire shall, in accordance with the type designs prescribed for such police outpost buildings by the State Government or a substitute thereof, construct buildings not exceeding 25 (twenty five) square metres of plinth area, for each of the Traffic Aid Posts, and hand them over to the Authority no later than 60 (sixty) days prior to the Scheduled Four-Laning Date. The Traffic Aid Posts shall be deemed to be part of the Site and shall vest in the Authority.

# 20.4 Recurring expenditure on Police assistance

On or before the Scheduled Four-Laning Date, the Concessionaire shall provide to the State Police Department or a substitute thereof one Jeep or similar vehicle in good working condition along with chauffeurs for round-the-clock patrolling as set forth in Clause 20.2 and shall meet the operating costs of such vehicle including the salaries and allowances of the chauffeurs. For the avoidance of doubt, it is agreed that the Concessionaire shall not be liable for any other expenditure incurred by the State Police Department or a substitute thereof.





## **EMERGENCY MEDICAL AID**

### 21.1 Medical Aid Posts

For providing emergency medical aid during the Operation Period, as set forth in this Agreement, the Concessionaire shall assist the State Government or a substitute thereof to be designated by the Authority in setting up and operating a medical aid post (the "Medical Aid Post") at each of the Toll Plazas with round-the-clock ambulance services for victims of accidents on the Project Highway.

### 21.2 Buildings for Medical Aid Posts

The Concessionaire shall, at its cost and in accordance with the type designs prescribed for such buildings by the State Medical Department (or a substitute thereof to be designated by the Authority), construct an aid post building and 2 (two) residential quarters, and hand them over to the Authority, no later than 30 (thirty) days prior to Scheduled Four Laning Date. The Medical Aid Post(s) shall be deemed to be part of the Site and shall vest in the Authority.

### 21.3 Recurring expenditure on Medical Aid Posts

On or before COD, the Concessionaire shall provide to the State Medical Department or a substitute thereof to be designated by the Authority one ambulance in good working condition along with chauffeurs for round-the-clock ambulance services as set forth in Clause 21.1 and meet the operating costs of such ambulance including the salaries and allowances of the chauffeurs. The Concessionaire shall also reimburse to the State Medical Department (or a substitute thereof to be designated by the Authority) the actual expenditure incurred by it in each Accounting Year on the medical equipment, and the pay and allowances of up to 2 (two) medical personnel deployed exclusively for the Medical Aid Posts and ambulance, and shall maintain the Medical Aid Post buildings in accordance with Good Industry Practice. For the avoidance of doubt, it is agreed that the Concessionaire shall not be liable for any other expenditure incurred by the State Medical Department or a substitute thereof to be designated by the Authority.





## TRAFFIC CENSUS AND SAMPLING

#### 22.1 Traffic census

The Concessionaire shall install, maintain and operate electronic/computerised traffic counters at each of the Toll Plazas and collect data relating to the number and types of vehicles using the Project Highway. The Concessionaire shall also install, maintain and operate weighing platforms (weigh-in-motion type) for recording, on a sample basis, the weight of commercial goods vehicles using the Project Highway. A weekly statement of such data shall be compiled and furnished forthwith by the Concessionaire to the Authority substantially in the form specified in Schedule-N.

### 22.2 Traffic survey

The Authority may require the Concessionaire to conduct, during each year of the Concession Period, a detailed traffic survey at such frequency and on such days as the Authority may specify, provided that the cumulative period of such survey shall not exceed 14 (fourteen) days in a year. The Concessionaire shall, at its own cost, carry out or cause to be carried out, the survey in the form and manner reasonably specified by the Authority and furnish a detailed report thereof within 15(fifteen) days of the completion of each survey. For the avoidance of doubt, the Authority may also conduct traffic surveys, in such manner as it deems fit and at its own cost, through any agency designated by it for this purpose:

#### 22.3 Traffic sampling

- 22.3.1 For determining the actual traffic on the Project Highway, the Authority shall be entitled to inspect the relevant records of the Concessionaire, and may, at its own cost, undertake traffic sampling substantially in the manner set forth in Schedule-O at such frequency as it may deem appropriate, but in no case for less than a continuous period of 7 (seven) days. The Concessionaire shall provide such assistance as the Authority may reasonably require for such traffic sampling.
- 22.3.2 If the traffic sampling pursuant to this Clause 22.3 demonstrates that the actual traffic is more than the traffic reported by the Concessionaire, the traffic determined by the traffic sampling shall be deemed to be the traffic for purposes of this Agreement and in the event of any Dispute relating to the traffic sampling, the Dispute Resolution Procedure shall apply. For the avoidance of doubt, Realisable Fee for any comparable period shall be calculated with reference to the traffic determined hereunder.



# 22.4 Computer systems and network

The Concessionaire shall install, operate and maintain a computer system with round-the-clock connections to the networks of the Authority and other related entities for exchange of data and information useful or necessary for efficient and transparent regulation and management of traffic. For this purpose, it shall follow such protocol for Electronic Data Interchange (the "EDI") as the Authority may specify. For the avoidance of doubt, it is agreed that the form specified in Schedule-N may be modified by the Authority from time to time for conforming to the requirements and output of EDI.





# INDEPENDENT ENGINEER

## 23.1 Appointment of Independent Engineer

The Authority shall appoint a consulting engineering firm from a panel of 10 (ten) firms or bodies corporate, constituted by the Authority substantially in accordance with the selection criteria set forth in Schedule-P, to be the independent consultant under this Agreement (the "Independent Engineer"). The appointment shall be made no later than 90 (ninety) days from the date of this Agreement and shall be for a period of 3 (three) years. On expiry or termination of the aforesaid period, the Authority may in its discretion renew the appointment, or appoint another firm from a fresh panel constituted pursuant to Schedule-P to be the Independent Engineer for a term of 3 (three) years, and such procedure shall be repeated after expiry of each appointment.

#### 23.2 Duties and functions

- 23.2.1 The Independent Engineer shall discharge its duties and functions substantially in accordance with the terms of reference set forth in Schedule-Q.
- 23.2.2 The Independent Engineer shall submit regular periodic reports (at least once every month) to the Authority in respect of its duties and functions set forth in Schedule-Q.

#### 23.3 Remuneration

The remuneration, cost and expenses of the Independent Engineer shall be paid by the Authority and subject to the limits set forth in Schedule-P, one-half of such remuneration, cost and expenses shall be reimbursed by the Concessionaire to the Authority within 15 (fifteen) days of receiving a statement of expenditure from the Authority.

#### 23.4 Termination of appointment

- 23.4.1 The Authority may, in its discretion, terminate the appointment of the Independent Engineer at any time, but only after appointment of another Independent Engineer in accordance with Clause 23.1.
- 23.4.2 If the Concessionaire has reason to believe that the Independent Engineer is not discharging its duties and functions in a fair, efficient and diligent manner, it may make a written representation to the Authority and seek termination of the appointment of the Independent Engineer. Upon receipt of such representation, the Authority shall hold a tripartite meeting with the Concessionaire and Independent Engineer for an amicable resolution of the Dispute, and if any difference or disagreement between the Authority and the Concessionaire remains unresolved, the Dispute shall be settled in

accordance with the Dispute Resolution Procedure. In the event that the appointment of the Independent Engineer is terminated hereunder, the Authority shall appoint forthwith another Independent Engineer in accordance with Clause 23.1.

# 23.5 Authorised signatories

The Authority shall require the Independent Engineer to designate and notify to the Authority and the Concessionaire up to 2 (two) persons employed in its firm to sign for and on behalf of the Independent Engineer, and any communication or document required to be signed by the Independent Engineer shall be valid and effective only if signed by any of the designated persons; provided that the Independent Engineer may, by notice in writing, substitute any of the designated persons by any of its employees.

## 23.6 Dispute resolution

If either Party disputes any advice, instruction, decision, direction or award of the Independent Engineer, or, as the case may be, the assertion or failure to assert jurisdiction, the Dispute shall be resolved in accordance with the Dispute Resolution Procedure.





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# Part IV Financial Covenants





## FINANCIAL CLOSE

# 24.1 Financial Close

- 24.1.1 The Concessionaire hereby agrees and undertakes that it shall achieve Financial Close within 180 (one hundred and eighty) days from the date of this Agreement and in the event of delay, it shall be entitled to a further period not exceeding 120 (one hundred and twenty) days, subject to payment of Damages to the Authority in a sum calculated at the rate of 0.1% (zero point one per cent) of the Performance Security for each day of delay, or for a further period not exceeding 200 (two hundred) days, subject to payment of Damages specified in Clause 4.3; provided that the Damages specified herein shall be payable every week in advance and the period beyond the said 180 (one hundred and eighty) days shall be granted only to the extent of Damages so paid; provided further that no Damages shall be payable if such delay in Financial Close has occurred solely as a result of any default or delay by the Authority in procuring satisfaction of the Conditions Precedent specified in Clause 4.1.2 or due to Force Majeure. For the avoidance of doubt, the Damages payable hereunder by the Concessionaire shall be in addition to the Damages, if any, due and payable under the provisions of Clause 4.3.
- 24.1.2 The Concessionaire shall, upon occurrence of Financial Close, notify the Authority forthwith, and shall have provided to the Authority, at least 2 (two) days prior to Financial Close, 3 (three) true copies of the Financial Package and the Financial Model, duly attested by a Director of the Concessionaire, along with 3 (three) soft copies of the Financial Model in MS Excel version or any substitute thereof, which is acceptable to the Senior Lenders.

# 24.2 Termination due to failure to achieve Financial Close

- 24.2.1 Notwithstanding anything to the contrary contained in this Agreement, but subject to Clause 34.6.1, in the event that Financial Close does not occur, for any reason whatsoever, within the period set forth in Clause 24.1.1 or the extended period provided thereunder, all rights, privileges, claims and entitlements of the Concessionaire under or arising out of this Agreement shall be deemed to have been waived by, and to have ceased with the concurrence of the Concessionaire, and the Concession Agreement shall be deemed to have been terminated by mutual agreement of the Parties. For the avoidance of doubt, it is agreed that in the event the Parties hereto have, by mutual consent, determined the Appointed Date to precede the Financial Close, the provisions of this Clause 24.2.1 shall not apply.
- 24.2.2 Upon Termination under Clause 24.2.1, the Authority shall be entitled to encash the Bid Security and appropriate the proceeds thereof as Damages; provided, however, that if Financial Close has not occurred solely as a result of the Authority being in default of any of its obligations under Clause 4.2, 15, shall, upon Termination, return the Bid Security forthwith along with the

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Damages due and payable under Clause 4.2. For the avoidance of doubt, it is expressly agreed that if the Bid Security shall have been substituted by Performance Security, the Authority shall be entitled to encash therefrom an amount equal to Bid Security.





# **GRANT**

25.1 Grant

Deleted

25.2 Equity Support

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25.3 O&M Support

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# PREMIUM

#### 25.4 Premium

The Concessionaire acknowledges and agrees that as set forth in the Bid, it shall pay to the Authority for each year of the Concession Period, a premium (the "Premium") in the form of an additional Concession Fee, as set forth in Clause 26.2.1, and in the manner set forth in Clause 26.4.





# **CONCESSION FEE**

#### 26.1 Concession Fee

In consideration of the grant of Concession, the Concessionaire shall pay to the Authority by way of concession fee (the "Concession Fee") a sum of Re. 1 (Rupee one) per annum and the Premium specified in Clause 26.2.

#### 26.2 Additional Concession Fee

26.2.1 Without prejudice to the provisions of Clause 26.1, the Concessionaire agrees to pay to the Authority, on the COD date, a Premium in the form of an additional Concession Fee equal to Rs. 21.60 Crores (Rupees Twenty One Crores and Sixty Lakhs Only) as due to the Authority during that year, due and payable for the period remaining in that year; and for each subsequent year of the Concession Period, the Premium shall be determined by increasing the amount of Premium in the respective year by an additional 5% (five per cent) as compared to the immediately preceding year. For the avoidance of doubt, the Premium for all the subsequent years shall be determined by increasing the amount of Premium by 5% as compared to the immediately preceding year.

For avoidance of doubt, it is clarified that the term 'Premium' as referred in para above shall be as applicable for one financial year. In accordance with and in compliance with the terms of this agreement, If payment of such 'Premium' is due and payable only for part of such financial year, then only pro-rata payments @ 1/12th of such Premium shall be payable for each month of such part financial year for which such Premium payments is due as payable. For the purpose of assessing the amount due for payment on such payment of Premium, part of a month shall be deemed to be a full month. In such circumstances the subsequent year as referred to in para above, for the purpose of 5% annual escalation, shall fall to commence on 1st of April of the immediately succeeding financial year.

26.2.2 The Premium payable under Clause 26.2.1 shall be deemed to be part of the Concession Fee for the purposes of this Agreement.

## 26.3 Determination of Concession Fee

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# 26.4 Payment of Concession Fee

The Concession Fee payable under the provisions of this Article 26 shall be due and payable in monthly instalments, within 7 (seven) days of the close of each month.

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# 26.5 Verification of Realisable Fee

- 26.5.1 The Authority may, in order to satisfy itself that the Concessionaire is reporting its Realisable Fee honestly and faithfully, depute its representatives to the Toll Plazas and the offices of the Concessionaire, and undertake such other measures and actions as it may deem necessary, to ascertain the actual Fee revenues.
- 26.5.2 If the verification of Fee revenues pursuant to this Clause 26.5 demonstrates that the Realisable Fee is more than the amount reported by the Concessionaire, the Authority shall, for the purpose of determining the Fee revenues, be entitled to undertake traffic sampling for a continuous period of 7 (seven) days in accordance with Clause 22.3. The Parties hereto agree that if the average daily Fee revenue determined under this Clause 26.5.2 exceeds the average daily Realisable Fee reported by the Concessionaire during the preceding month by 1% (one percent) thereof, the difference between such Fee revenue and Realisable Fee shall be multiplied by 180 (one hundred and eighty) and the product thereof shall be paid as Damages by the Concessionaire to the Authority, and in the event of any Dispute relating to the traffic sampling, the Dispute Resolution Procedure shall apply. For the avoidance of doubt, it is agreed that seasonal variations in traffic volume shall be determined by the Independent Engineer on the basis of past trends and other relevant information, and due weightage shall be assigned to such variations in computing the Realisable Fee under this Clause 26.5.2.





#### USER FEE

# 27.1 Collection and appropriation of Fee

- 27.1.1 On and from the COD till the Transfer Date, the Concessionaire shall have the sole and exclusive right to demand, collect and appropriate Fee from the Users subject to and in accordance with this Agreement and the National Highways Fee (Determination of Rates and Collection) Rules, 2008, read with National Highways Fee (Determination of Rates and Collection) Amendment Rules, 2010, National Highways Fee (Determination of Rates and Collection) Amendment Rules, 2011 and National Highways Fee (Determination of Rates and Collection) Second Amendment Rules, 2011 (the "Fee Rules"); provided that for ease of payment and collection, such Fee shall be rounded off to the nearest 5 (five) rupees in accordance with the Fee Rules.
- 27.1.2 The Parties acknowledge that a notification for levy and collection of Fee shall be issued by the Government under Section 8A of the Act read with Rule 3 of the National Highways Fee (Determination of Rates and Collection) Rules, 2008, read with National Highways Fee (Determination of Rates and Collection) Amendment Rules, 2010, National Highways Fee (Determination of Rates and Collection) Amendment Rules, 2011 and National Highways Fee (Determination of Rates and Collection) Second Amendment Rules, 2011 (the "Fee Notification") within 90 (ninety) days hereof, substantially in the form set forth in Schedule-R.
- 27.1.3 The Concessionaire acknowledges and agrees that upon payment of Fee, any User shall be entitled to use the Project Highway and the Concessionaire shall not place, or cause to be placed, any restriction on such use, except to the extent specified in any Applicable Law, Applicable Permit or the provisions of this Agreement.
- 27.1.4 The Concessionaire acknowledges and agrees that any User who is not liable for payment of the Fee shall be entitled to use the Project Highway without any restrictions, except to the extent specified in any Applicable Law, Applicable Permit or the provisions of this Agreement. For the avoidance of doubt, the Concessionaire hereby acknowledges that Exempted Vehicles are not liable to payment of Fee.

#### 27.2 Revision of Fee

27.2.1 The Parties hereto acknowledge and agree that the Fee shall be revised annually on April 1 subject to and in accordance with the provisions of the Fee Rules; provided, however, that no revision shall be effected within a period of 6 (six) months from the date of the preceding revision of Fee.

#### 27.2.2 Deleted

27.2.3 The Concessionaire hereby acknowledges and agrees that it is not entitled to any revision of Fee or other relief from the Authority or any Government Instrumentality except in accordance with the express provisions of this Agreement.

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## **Exemption for Local Users**

The Concessionaire shall not collect any Fee from a Local User for noncommercial use of the Project Highway, and shall issue a pass in respect thereof for commuting on a section of the Project Highway as specified in such pass and for crossing the Toll Plaza specified therein. For carrying out the provisions of this Clause 27.3, the Concessionaire shall formulate, publish and implement an appropriate scheme, and make such modifications to the scheme as may reasonably be suggested by the Authority or by Local Users from time to time; provided that for defraying its expenses on issuing of passes and handling of Local Users, the Concessionaire shall be entitled to charge a monthly fee of Rs.150 (Rupees one hundred and fifty), with reference to the base year 2007-08, to be revised annually in accordance with the Fee Rules to reflect the variation in WPI, and then rounded off to the nearest 5 (five) rupees; provided further that no passes will be required or Fee collected from a vehicle that uses part of the Project Highway and does not cross a Toll Plaza:

#### 27.4 Free use of service road

- 27.4.1 The Concessionaire shall not permit entry of Local Users, Tractors, animaldrawn vehicles, three-wheelers and Motor Cycles on the carriageway of the Project Highway where a service road or alternative road is available in conformity with the provisions of Fee Rules; provided that a Motor Cycle shall be permitted to use such carriageway upon payment of Fee. For the avoidance of doubt, it is agreed that the Concessionaire shall be entitled to set up temporary or permanent Fee collection booths, entry barriers or such other restrictions on the service roads, as may reasonably be necessary for preventing evasion of Fee by vehicles which are otherwise liable to payment of Fee.
- 27.4.2 Any motorised vehicle, not being a Tractor, animal-drawn vehicle, threewheeler, Motor Cycle or a vehicle of Local User, using the service road forming part of the Project Highway shall be liable to payment of Fee as if it was using the Project Highway. For the avoidance of doubt, a vehicle which is not liable to payment of Fee for use of any section of the Project Highway shall not be required to pay Fee if it is using a service road in that section of the Project Highway.

#### 27.5 Discounted Fee for frequent Users

27.5.1 The Concessionaire shall, upon request from any person, issue a return pass on payment of a sum equal to 150% (one hundred and fifty per cent) of the Fee payable for the respective vehicle if it were to undertake a single oneway trip on the Project Highway. Such return pass shall entitle the specified way trip on the Project Highway. Such return pure street vehicle to undertake a return journey within 24 (twenty four) hours from the 76 time of payment of Fee.

27.5.2 The Concessionaire shall, upon request from any person for issue of Apirur (fifty) or more one-way toll tickets, issue such tickets at a discounted frate

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equivalent to two-thirds of the Fee payable for the respective vehicle. Such discounted tickets shall entitle the specified vehicle to commute on the Project Highway by using one ticket for a single one-way trip at any time during a period of one month from the date of payment of Fee..

# 27.6 Reappropriation of excess Fee

- 27.6.1 In the event that the average daily traffic of PCUs in any Accounting Year shall have reached a level equivalent to 120% (one hundred and twenty percent) of the designed capacity specified in Clause 29.2.3 (the "Traffic Cap"), the Fee levied and collected from the traffic exceeding the Traffic Cap shall, notwithstanding anything to the contrary contained in this Agreement, be deemed to be due and payable to the Authority in accordance with the provisions of Clause 27.6.2.
- 27.6.2 If traffic in any Accounting Year exceeds the Traffic Cap, the Concessionaire shall be entitled to collect and appropriate the Realisable Fee for traffic not exceeding the Traffic Cap and for all traffic exceeding the Traffic Cap, the Concessionaire shall collect and deposit the same into the Safety Fund within 60 (sixty) days of the close of the relevant Accounting Year; provided that the balance remaining in respect of the excess traffic of the last Accounting Year of the Concession Period shall be credited to the Safety Fund within 30 (thirty) days of the Transfer Date.

# 27.7 Tolling Contractor

The Concessionaire may appoint a Tolling Contractor or any other person to collect the Fee for and on behalf of the Concessionaire, provided that notwithstanding such appointment, the Concessionaire shall be and remain solely liable and responsible for the collection of Fee in accordance with this Agreement and its deposit into the Escrow Account and for compliance with the provisions of this Agreement.

# 27.8 Fee collection points

Fee shall ordinarily be collected at the Toll Plazas from vehicles crossing the Toll Plazas and using the whole or part of the Project Highway; provided that for preventing evasion of Fee by any vehicle circumventing one or both of the Toll Plazas and using the whole or part of the Project Highway located between such Toll Plazas, the Concessionaire shall be entitled to set up at its own risk and cost, and in consultation with the Independent Engineer, its temporary or permanent Fee collection booths, as may reasonably be necessary for preventing such evasion. For the avoidance of doubt, the Concessionaire hereby acknowledges and agrees that it shall not determine or collect Fee from Users who only use part of the Project Highway which is situated between the two Toll Plazas OR only use part of the Project Highway situated on any one side of the Toll Plaza. It is further acknowledged and agreed that the restrictions hereunder shall not extend beyond a distance of 10 (ten) kilometres from the Toll Plazas and the provisions of this Clause 27.8 shall be so enforced as to minimise



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inconvenience to Users who are not liable to payment of Fee.

## 27.9 Additional charge for evasion of Fee

In the event that any vehicle uses the Project Highway without payment of Fee due, the Concessionaire shall be entitled to determine and collect from such vehicle the Fee due and an equivalent amount towards predetermined liquidated damages for unauthorised use of the Project Highway; provided that the determination and collection of such liquidated damages shall be at the risk and cost of the Concessionaire and the Authority shall not in any manner be liable on account thereof; provided that upon failure of the driver of such vehicle to pay Fee, the Concessionaire may prevent such vehicle from using the Project Highway and may have such vehicle removed therefrom.

#### 27.10 Additional fee for overloaded vehicles

Without prejudice to the liability incurred under the Applicable Laws by any person driving a vehicle that is loaded in excess of the permissible limit set forth in such laws, the Concessionaire may recover Fee for such overloaded vehicle at the rate applicable to the next higher category of vehicles.

Provided that such Fee shall be levied on the basis of actual Gross Vehicle Weight as measured by a standardised static weighing machine to be installed by the Concessionaire at each of the Toll Plazas and where no such weighing machine has been installed, the Concessionaire shall not be entitled to collect Fee for the next higher category of vehicles.

Provided further that upon detection of overloading, the Concessionaire shall prevent the vehicle from using the Project Highway until the excess load has been removed from such vehicle and the Authority shall not be liable for any act of omission of the Concessionaire in relation to such vehicle or person driving such vehicle.

#### 27.11 Display of Fee rates

27.11.1 The Concessionaire shall, one kilometre before the Toll Plaza, 500 (five hundred) metres before the Toll Plaza and 50 (fifty) metres before entry to the Toll Plazas, prominently display the applicable rates of Fee for information of Users approaching the Toll Plaza and shall also publish and display such other information in such manner as may be prescribed under the Fee Rules.

7.11.2 The Concessionaire shall, from time to time, inform the Authority of the applicable Fee and the detailed calculation thereof. Such information shall be communicated at least 15 (fifteen) days prior to the revision of Fee under and in accordance with the Fee Rules.

7.11.3 The Concessionaire shall not revise, display or collect any amounts its excess of the rates of Fee payable under the Fee Rules. In the event any excess amounts are collected by or on behalf of the Concessionaire, it stalking

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upon receiving a notice to this effect from the Authority, refund such excess amounts to the Authority along with Damages equal to 25% (twenty five percent) thereof.





#### REVENUE SHORTFALL LOAN

#### 28.1 Revenue Shortfall Loan

- 28.1.1 If the Realisable Fee in any Accounting Year shall fall short of the Subsistence Revenue as a result of an Indirect Political Event, a Political Event or an Authority Default, as the case may be, the Authority shall, upon request of the Concessionaire, provide a loan for meeting such shortfall (the "Revenue Shortfall Loan") at an interest rate equal to 2% (two per cent) above the Bank Rate.
- 28.1.2 If the half-yearly results of the Concessionaire indicate that the shortfall referred to in Clause 28.1.1 and contemplated for an Accounting Year has arisen in respect of the first 6 (six) months thereof, the Concessionaire shall be entitled to a provisional Revenue Shortfall Loan; provided that, no later than 60 (sixty) days after the close of such Accounting Year, the Concessionaire shall either repay the provisional loan with interest or adjust it against the Revenue Shortfall Loan, if any, as may be due to it under this Clause 28.1.
- 28.1.3 The Authority shall disburse the Revenue Shortfall Loan or the provisional Revenue Shortfall Loan, as the case may be, within 30 (thirty) days of receiving a valid request from the Concessionaire along with the particulars thereof including a detailed account of the Indirect Political Event, Political Event or the Authority Default, as the case may be, and its impact on the collection of Fee.

#### 28.2 Repayment of Revenue Shortfall Loan

A sum equal to 50% (fifty per cent) of the 'profit before tax' of the Concessionaire, as and when made, shall be earmarked for repayment of the Revenue Shortfall Loan and interest thereon, and paid by the Concessionaire to the Authority within 90 (ninety) days of the close of the Accounting Year in which such profits have been made; provided that the Concessionaire shall repay the entire Revenue Shortfall Loan and interest thereon no later than one year prior to the expiry of the Concession Period and in the event that any sum remains due or outstanding at any time during such period of one year, the Authority shall be entitled to terminate this Agreement forthwith. For the avoidance of doubt, it is agreed that the repayment of Revenue Shortfall Loan shall be in accordance with and subject to the provisions of Article 31.



# EFFECT OF VARIATIONS IN TRAFFIC GROWTH

#### 29.1 Effect of variations in traffic growth

- 29.1.1 The Authority and the Concessionaire acknowledge that the traffic as on April 1, 2022 (the "Target Date") is estimated to be 24281 PCUs per day (the "Target Traffic"), and hereby agree that for determining the modifications to the Concession Period under this Article 29, the actual traffic on the Target Date shall be derived by computing the average of the traffic as determined by traffic sampling to be undertaken, in accordance with Clause 22.3, on the date that falls one year prior to the Target Date, on the Target Date and on the first anniversary of the Target Date (the "Actual Average Traffic"). For the avoidance of doubt, it is agreed that traffic sampling shall be undertaken for a continuous period of 7 (seven) days during anytime within 15 (fifteen) days prior to the date specified herein and the average thereof shall be deemed to be the actual traffic. It is further agreed that if the Project Highway shall have two or more Toll Plazas, the average traffic thereof shall be computed for determining the Actual Average Traffic hereunder.
- 29.1.2 In the event that the Actual Average Traffic shall have fallen short of the Target Traffic by more than 2.5% (two point five per cent) thereof or exceeded the Target Traffic by more than 2.5% (two point five per cent) thereof, the Concession Period shall be deemed to be modified in accordance with Clause 29.2. For the avoidance of doubt, in the event of any Dispute relating to Actual Average Traffic, the Dispute Resolution Procedure shall apply.

#### 29.2 Modification in the Concession Period

29.2.1 Subject to the provisions of Clause 29.1.2, in the event Actual Average Traffic shall have fallen short of the Target Traffic, then for every 1% (one per cent) shortfall as compared to the Target Traffic, the Concession Period shall, subject to payment of Concession Fee in accordance with this Agreement, be increased by 1.5% (one point five per cent) thereof; provided that such increase in Concession Period shall not in any case exceed 20% (twenty per cent) of the Concession Period. For the avoidance of doubt, and by way of illustration, it is agreed that in the event of a shortfall of 10.6% (ten point six per cent) in Target Traffic, the Concession Period shall be increased by 15% (fifteen per cent) thereof.

29.2.2 Subject to the provisions of Clause 29.1.2, in the event Actual Average Traffic shall have exceeded the Target Traffic, then for every 1% (one per cent) excess as compared to the Target Traffic, the Concession Period shall be reduced by 0.75% (zero point seven five per cent) thereof; provided that such reduction in Concession Period shall not in any case exceed 10% (teps per cent) thereof. For the avoidance of doubt and by way of illustration, it agreed that in the event of an excess of 8.7% (eight point seven per cent) in ARM

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Target Traffic, the Concession Period shall be reduced by 6% (six per cent) thereof:

Provided further that in lieu of a reduction in Concession Period under this Clause 29.2.2, the Concessionaire may elect to pay, in addition to the Concession Fee that would be due and payable if the Concession Period were not reduced hereunder, a further premium equal to 25% (twenty five per cent) of the Realisable Fee in the respective year(s), and upon notice given to this effect by the Concessionaire no later than 2 (two) years prior to the Transfer Date contemplated under this Clause 29.2.2, the Authority shall waive the reduction in Concession Period hereunder and recover the Concession Fee and the aforesaid premium for the period waived hereunder.

29.2.3 Notwithstanding anything to the contrary contained in this Agreement, if the average daily traffic of PCUs in any Accounting Year shall exceed the designed capacity of the Project Highway, the Authority at its option may cause preparation of a Detailed Project Report (DPR). The said DPR, interalia will assess the cost as may have to be incurred for augmenting the capacity of the Project Highway such that its capacity shall have increased sufficiently for carrying the then current traffic in accordance with the corresponding provisions of the Indian Roads Congress publication or any substitute thereof and extension of concession period, if any, that may be required to yield the concessionaire a post-tax return on equity (Equity IRR) of 16% per annum, such assessment being made at an assumed debt equity ratio of 70:30; such extension of Concession Period shall be however limited to 5 (five) years. For avoidance of doubt it is stated that there shall be no reduction in the concession period as originally accepted. The Authority may thereafter, at their sole option, issue a notice to the Concessionaire, (to be responded within a period of three months from the date of such notice), to undertake within six months of such notice, augmentation so determined by the Authority. For this purpose, all realizable fees that shall accrue from three months from the date of issuance of aforesaid notice by the Authority, requiring the Concessionaire to procure capacity augmentation under this Clause, shall be included in the assessment of revenue generated against the capacity augmentation and the equity IRR calculations as aforesaid shall be so based on such revenues. On refusal or non-acceptance by the Concessionaire to undertake such augmentation, either absolutely or on such extension of concession period as assessed under the DPR, or on the failure of the Concessionaire to undertake such augmentation on the due date so intimated by the Authority, an Indirect Political Event shall be deemed to have occurred and the Authority may in its discretion terminate this Agreement by issuing a Termination Notice and making a Termination Payment under and in accordance with the provisions of Clause 34.9.2; without the Authority being liable to issue any further notice under this provision.



For the avoidance of doubt, the Parties agree that an average daily traffic 60000 PCUs shall be deemed to be the designed capacity of the Four-Lane Project Highway.

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29.2.4 If the Concessionaire shall have, prior to issue of a Termination Notice under Clause 29.2.3, completed the construction works necessary for augmenting the capacity of the Project Highway such that its capacity shall have increased sufficiently for carrying the then current traffic in accordance with the relevant provisions of the Indian Roads Congress Publication or any substitute thereof, the Indirect Political Event specified in Clause 29.2.3 shall be deemed to have been cured.





## CONSTRUCTION OF ADDITIONAL TOLLWAY

#### 30.1 Restriction on construction of Additional Tollway

- 30.1.1 Notwithstanding anything to the contrary contained in this Agreement but subject always to Clause 30.2, the Authority shall not construct, and shall procure that no Government Instrumentality shall construct or cause to be constructed, any expressway or other toll road between, *inter alia*, Gomati Chauraha and Udaipur i.e. km 177.000 and km 260.100 on National Highway No. 8 (collectively the "Additional Tollway") for use by traffic at any time before the 16th (sixteenth) anniversary of the Appointed Date; For the avoidance of doubt, Additional Tollway does not include any expressway or other toll road connecting, inter alia, Gomati Chauraha and Udaipur i.e. km. 177.000 and km 260.100 on National Highway No. 8 if the length of such expressway or toll road exceeds the length of the existing route comprising the Project Highway by 20% (twenty per cent) thereof.
- 30.1.2 If the Authority shall be in breach of the provisions of Clause 30.1.1, the Concessionaire shall, without prejudice to its other rights and remedies under this Agreement including Termination thereof, be entitled to receive compensation from the Authority under and in accordance with the provisions of Clause 35.4.

#### 30.2 Modification in the Concession Period

In the event of the Authority or any Government Instrumentality constructing or causing construction of any Additional Tollway, the following shall apply:

- (a) Deleted
- (b) Deleted
- (c) if the Additional Tollway is opened to traffic between the 16th (sixteenth) and 27th (twenty seventh) anniversary of the Appointed Date, the Concessionaire shall be entitled to an additional Concession Period, which shall be equal in duration to the period between the opening of the Additional Tollway and the 27th (twenty seventh) anniversary. For the avoidance of doubt, if the Additional Tollway is opened on the 24th (twenty fourth) anniversary, the Concession Period shall be deemed to be 30 (thirty) years; and
- (d) if the Concession Period is to be increased in accordance with the provisions of this Clause 30.2, the same shall be added to the Concession Period due to the Concessionaire under and in accordance with all other provisions of this Agreement, save and a except the provisions relating to Termination.

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## 30.3 Minimum Fee for the Project Highway

Upon commissioning of the Additional Tollway, the Concessionaire shall continue to collect the Fee, and shall not offer any discounts or reductions in such Fee except with the prior written consent of the Authority; provided that the Concessionaire may continue, in the same form and manner, any discounts or reductions that it had offered to any general or special class of Users or vehicles for a continuous period of three years prior to the opening of the Additional Tollway to traffic.

# 30.4 Minimum Fee for Additional Tollway

The Authority agrees and undertakes to procure that the fee to be levied and collected during the subsistence of this Concession from any vehicle or class of vehicles using the Additional Tollway shall at no time be less than 25% (twenty five percent) higher than the Fee levied and collected from similar vehicles using the Project Highway.





# **ESCROW ACCOUNT**

#### 31.1 Escrow Account

- 31.1.1 The Concessionaire shall, prior to the Appointed Date, open and establish an Escrow Account with a Bank (the "Escrow Bank") in accordance with this Agreement read with the Escrow Agreement.
- 31.1.2 The nature and scope of the Escrow Account are fully described in the agreement (the "Escrow Agreement") to be entered into amongst the Concessionaire, the Authority, the Escrow Bank and the Senior Lenders through the Lenders' Representative, which shall be substantially in the form set forth in Schedule-S.

# 31.2 Deposits into Escrow Account

The Concessionaire shall deposit or cause to be deposited the following inflows and receipts into the Escrow Account:

- (a) all funds constituting the Financial Package;
- (b) all Fee and any other revenues from or in respect of the Project Highway, including the proceeds of any rentals, deposits, capital receipts or insurance claims; and
- (c) all payments by the Authority, after deduction of any outstanding Concession Fee:

Provided that the Senior Lenders may make direct disbursements to the EPC Contractor in accordance with the express provisions contained in this behalf in the Financing Agreements.

# 31.3 Withdrawals during Concession Period

- 31.3.1 The Concessionaire shall, at the time of opening the Escrow Account, give irrevocable instructions, by way of an Escrow Agreement, to the Escrow Bank instructing, *inter alia*, that deposits in the Escrow Account shall be appropriated in the following order every month, or at shorter intervals as necessary, and if not due in a month then appropriated proportionately in such month and retained in the Escrow Account and paid out therefrom in the month when due:
  - (a) all taxes due and payable by the Concessionaire for and in respect of AIPUS the Project Highway;
  - (b) all payments relating to construction of the Project Highway, subject to and in accordance with the conditions, if any, set forth in the Financing Agreements;



- (c) O&M Expenses, subject to the ceiling, if any, set forth in the Financing Agreements;
- (d) O&M Expenses and other costs and expenses incurred by the Authority in accordance with the provisions of this Agreement, and certified by the Authority as due and payable to it;
- (e) Concession Fee due and payable to the Authority;
- (f) monthly proportionate provision of Debt Service due in an Accounting Year;
- (g) all payments and Damages certified by the Authority as due and payable to it by the Concessionaire, including repayment of Revenue Shortfall Loan;
- (h) monthly proportionate provision of debt service payments due in an Accounting Year in respect of Subordinated Debt;
- (i) any reserve requirements set forth in the Financing Agreements; and
- (j) balance, if any, in accordance with the instructions of the Concessionaire.
- 31.3.2 The Concessionaire shall not in any manner modify the order of payment specified in Clause 31.3.1, except with the prior written approval of the Authority.

# 31.4 Withdrawals upon Termination

- 31.4.1 Notwithstanding anything to the contrary contained in this Agreement, all amounts standing to the credit of the Escrow Account shall, upon Termination, be appropriated in the following order:
  - (a) all taxes due and payable by the Concessionaire for and in respect of the Project Highway;
  - (b) 90% (ninety per cent) of Debt Due excluding Subordinated Debt;
  - (c) outstanding Concession Fee;
  - (d) all payments and Damages certified by the Authority as due and payable to it by the Concessionaire, including Premium and repayment of Revenue Shortfall Loan;
  - (e) retention and payments relating to the liability for defects and deficiencies set forth in Article 39;
  - (f) outstanding Debt Service including the balance of Debt Due;
  - (g) outstanding Subordinated Debt;

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- (h) incurred or accrued O&M Expenses;
- (i) any other payments required to be made under this Agreement; and
- (j) balance, if any, in accordance with the instructions of the Concessionaire:

Provided that no appropriations shall be made under Sub-clause (j) of this Clause 31.4.1 until a Vesting Certificate has been issued by the Authority under the provisions of Article 38.

31.4.2 The provisions of this Article 31 and the instructions contained in the Escrow Agreement shall remain in full force and effect until the obligations set forth in Clause 31.4.1 have been discharged.





#### **INSURANCE**

# 32.1 Insurance during Concession Period

The Concessionaire shall effect and maintain at its own cost, during the Construction Period and the Operation Period, such insurances for such maximum sums as may be required under the Financing Agreements, and the Applicable Laws, and such insurances as may be necessary or prudent in accordance with Good Industry Practice. The Concessionaire shall also effect and maintain such insurances as may be necessary for mitigating the risks that may devolve on the Authority as a consequence of any act or omission of the Concessionaire during the Construction Period. The Concessionaire shall procure that in each insurance policy, the Authority shall be a coinsured and that the insurer shall pay the proceeds of insurance into the Escrow Account. For the avoidance of doubt, the level of insurance to be maintained by the Concessionaire after repayment of Senior Lenders' dues in full shall be determined on the same principles as applicable for determining the level of insurance prior to such repayment of Senior Lenders' dues.

# 32.2 Notice to the Authority

No later than 45 (forty-five) days prior to commencement of the Construction Period or the Operation Period, as the case may be, the Concessionaire shall by notice furnish to the Authority, in reasonable detail, information in respect of the insurances that it proposes to effect and maintain in accordance with this Article 32. Within 30 (thirty) days of receipt of such notice, the Authority may require the Concessionaire to effect and maintain such other insurances as may be necessary pursuant hereto, and in the event of any difference or disagreement relating to any such insurance, the Dispute Resolution Procedure shall apply.

# 32.3 Evidence of Insurance Cover

All insurances obtained by the Concessionaire in accordance with this Article 32 shall be maintained with insurers on terms consistent with Good Industry Practice. Within 15 (fifteen) days of obtaining any insurance cover, the Concessionaire shall furnish to the Authority, notarised true copies of the certificate(s) of insurance, copies of insurance policies and premia payment receipts in respect of such insurance, and no such insurance shall be cancelled, modified, or allowed to expire or lapse until the expiration of at least 45 (forty five) days after notice of such proposed cancellation modification or non-renewal has been delivered by the Concessionaire to the Authority.

# 32.4 Remedy for failure to insure

If the Concessionaire shall fail to effect and keep in force all insurances for which it is responsible pursuant hereto, the Authority shall have the option to



either keep in force any such insurances, and pay such premia and recover the costs thereof from the Concessionaire, or in the event of computation of a Termination Payment, treat an amount equal to the Insurance Cover as deemed to have been received by the Concessionaire.

# 32.5 Waiver of subrogation

All insurance policies in respect of the insurance obtained by the Concessionaire pursuant to this Article 32 shall include a waiver of any and all rights of subrogation or recovery of the insurers thereunder against, *interalia*, the Authority, and its assigns, successors, undertakings and their subsidiaries, affiliates, employees, insurers and underwriters, and of any right of the insurers to any set-off or counterclaim or any other deduction, whether by attachment or otherwise, in respect of any liability of any such person insured under any such policy or in any way connected with any loss, liability or obligation covered by such policies of insurance.

# 32.6 Concessionaire's waiver

The Concessionaire hereby further releases, assigns and waives any and all rights of subrogation or recovery against, inter alia, the Authority and its assigns, undertakings and their subsidiaries, affiliates, employees, successors, insurers and underwriters, which the Concessionaire may otherwise have or acquire in or from or in any way connected with any loss, liability or obligation covered by policies of insurance maintained or required to be maintained by the Concessionaire pursuant to this Agreement (other than third party liability insurance policies) or because of deductible clauses in or inadequacy of limits of any such policies of insurance.

# 32.7 Application of insurance proceeds

The proceeds from all insurance claims, except life and injury, shall be paid to the Concessionaire by credit to the Escrow Account and it shall, notwithstanding anything to the contrary contained in Clause 31.3, apply such proceeds for any necessary repair, reconstruction, reinstatement, replacement, improvement, delivery or installation of the Project Highway, and the balance remaining, if any, shall be applied in accordance with the provisions contained in this behalf in the Financing Agreements.





# **ACCOUNTS AND AUDIT**

#### 33.1 Audited accounts

- 33.1.1 The Concessionaire shall maintain books of accounts recording all its receipts (including all Realisable Fees and other revenues derived/collected by it from or on account of the Project Highway and/or its use), income, expenditure, payments (including payments from the Escrow Account), assets and liabilities, in accordance with this Agreement, Good Industry Practice, Applicable Laws and Applicable Permits. The Concessionaire shall provide 2 (two) copies of its Balance Sheet, Cash Flow Statement and Profit and Loss Account, along with a report thereon by its Statutory Auditors, within 90 (ninety) days of the close of the Accounting Year to which they pertain and such audited accounts, save and except where expressly provided to the contrary, shall form the basis of payments by either Party under this Agreement. The Authority shall have the right to inspect the records of the Concessionaire during office hours and require copies of relevant extracts of books of accounts, duly certified by the Statutory Auditors, to be provided to the Authority for verification of basis of payments, and in the event of any discrepancy or error being found, the same shall be rectified and such rectified account shall form the basis of payments by either Party under this Agreement.
- 33.1.2 The Concessionaire shall, within 30 (thirty) days of the close of each quarter of an Accounting Year, furnish to the Authority its unaudited financial results in respect of the preceding quarter, in the manner and form prescribed by the Securities and Exchange Board of India for publication of quarterly results by the companies listed on a stock exchange.
- 33.1.3 On or before the thirty-first day of May each Year, the Concessionaire shall provide to the Authority, for the preceding Accounting Year, a statement duly audited by its Statutory Auditors giving summarised information on (a) the traffic count for each category of vehicles using the Project Highway and liable for payment of Fee therefor, (b) Fee charged and received, Realisable Fee and other revenues derived from the Project Highway, and (c) such other information as the Authority may reasonably require.

# 33.2 Appointment of auditors

33.2.1 The Concessionaire shall appoint, and have during the subsistence of this Agreement as its Statutory Auditors, a firm chosen by it from the mutually agreed list of 10 (ten) reputable firms of chartered accountants (the "Panel of Chartered Accountants"), such list to be prepared substantially in accordance with the criteria set forth in Schedule-T. All fees and expenses of the Statutory Auditors shall be borne by the Concessionaire.

33.2.2 The Concessionaire may terminate the appointment of its Statutory Auditors after a notice of 45 (forty five) days to the Authority, subject to the

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replacement Statutory Auditors being appointed from the Panel of Chartered Accountants.

- 33.2.3 Notwithstanding anything to the contrary contained in this Agreement, the Authority shall have the right, but not the obligation, to appoint at its cost from time to time and at anytime, another firm (the "Additional Auditors") from the Panel of Chartered Accountants to audit and verify all those matters, expenses, costs, realisations and things which the Statutory Auditors are required to do, undertake or certify pursuant to this Agreement.
- 33.2.4 In the event that the Grant exceeds 20% (twenty per cent) of the Total Project Cost, the Authority shall have the right, but not the obligation, to appoint at its cost, for the duration of the Construction Period, another firm (the "Concurrent Auditors") from the Panel of Chartered Accountants to undertake concurrent audit of the Concessionaire's accounts.

# 33.3 Certification of claims by Statutory Auditors

Any claim or document provided by the Concessionaire to the Authority in connection with or relating to receipts, income, payments, costs, expenses, accounts or audit, and any matter incidental thereto shall be valid and effective only if certified by its Statutory Auditors. For the avoidance of doubt, such certification shall not be required for exchange of information in the normal course of business including the submission of Monthly Fee Statements under Clause 19.5.

# 33.4 Set-off

In the event any amount is due and payable by the Authority to the Concessionaire, it may set-off any sums payable to it by the Concessionaire and pay the balance remaining. Any exercise by the Authority of its rights under this Clause shall be without prejudice to any other rights or remedies available to it under this Agreement or otherwise.

# 33.5 Dispute resolution

In the event of there being any difference between the findings of the Additional Auditors or the Concurrent Auditors, as the case may be, and the certification provided by the Statutory Auditors, such Auditors shall meet to resolve the differences and if they are unable to resolve the same, such Dispute shall be resolved by the Authority by recourse to the Dispute Resolution Procedure.



# Part V

# Force Majeure and Termination





#### FORCE MAJEURE

## 34.1 Force Majeure

As used in this Agreement, the expression "Force Majeure" or "Force Majeure Event" shall mean occurrence in India of any or all of Non-Political Event, Indirect Political Event and Political Event, as defined in Clauses 34.2, 34.3 and 34.4 respectively, if it affects the performance by the Party claiming the benefit of Force Majeure (the "Affected Party") of its obligations under this Agreement and which act or event (i) is beyond the reasonable control of the Affected Party, and (ii) the Affected Party could not have prevented or overcome by exercise of due diligence and following Good Industry Practice, and (iii) has Material Adverse Effect on the Affected Party.

#### 34.2 Non-Political Event

A Non-Political Event shall mean one or more of the following acts or events:

- (a) act of God, epidemic, extremely adverse weather conditions, lightning, earthquake, landslide, cyclone, flood, volcanic eruption, chemical or radioactive contamination or ionising radiation, fire or explosion (to the extent of contamination or radiation or fire or explosion originating from a source external to the Site);
- (b) strikes or boycotts (other than those involving the Concessionaire, Contractors or their respective employees/representatives, or attributable to any act or omission of any of them) interrupting supplies and services to the Project Highway for a continuous period of 24 (twenty four) hours and an aggregate period exceeding 7 (seven) days in an Accounting Year, and not being an Indirect Political Event set forth in Clause 34.3;
- (c) any failure or delay of a Contractor but only to the extent caused by another Non-Political Event and which does not result in any offsetting compensation being payable to the Concessionaire by or on behalf of such Contractor;

(d) any judgement or order of any court of competent jurisdiction or statutory authority made against the Concessionaire in any proceedings for reasons other than (i) failure of the Concessionaire to comply with any Applicable Law or Applicable Permit, or (ii) on account of breach of any Applicable Law or Applicable Permit or of any contract, or (iii) enforcement of this Agreement, or (iv) exercise of any of its rights under this Agreement by the Authority;

the discovery of geological conditions, toxic contamination of archaeological remains on the Site that could not reasonably have

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been expected to be discovered through a site inspection; or

(f) any event or circumstances of a nature analogous to any of the foregoing.

#### 34.3 Indirect Political Event

An Indirect Political Event shall mean one or more of the following acts or events:

- (a) an act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, riot, insurrection, terrorist or military action, civil commotion or politically motivated sabotage;
- (b) industry-wide or State-wide strikes or industrial action for a continuous period of 24 (twenty four) hours and exceeding an aggregate period of 7 (seven) days in an Accounting Year;
- (c) any civil commotion, boycott or political agitation which prevents collection of Fee by the Concessionaire for an aggregate period exceeding 7 (seven) days in an Accounting Year;
- (d) any failure or delay of a Contractor to the extent caused by any Indirect Political Event and which does not result in any offsetting compensation being payable to the Concessionaire by or on behalf of such Contractor;
- (e) any Indirect Political Event that causes a Non-Political Event; or
- (f) any event or circumstances of a nature analogous to any of the foregoing.

#### 34.4 Political Event

(c)

A Political Event shall mean one or more of the following acts or events by or on account of any Government Instrumentality:

- (a) Change in Law, only if consequences thereof cannot be dealt with under and in accordance with the provisions of Article 41 and its effect, in financial terms, exceeds the sum specified in Clause 41.1;
- (b) compulsory acquisition in national interest or expropriation of any Project Assets or rights of the Concessionaire or of the Contractors;

unlawful or unauthorised or without jurisdiction revocation of, or refusal to renew or grant without valid cause, any clearance, licence, permit, authorisation, no objection certificate, consent, approval or exemption required by the Concessionaire or any of the Contractors to perform their respective obligations under this Agreement and the Project Agreements; provided that such delay, modification, denials

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refusal or revocation did not result from the Concessionaire's or any Contractor's inability or failure to comply with any condition relating to grant, maintenance or renewal of such clearance, licence, authorisation, no objection certificate, exemption, consent, approval or permit;

- (d) any failure or delay of a Contractor but only to the extent caused by another Political Event and which does not result in any offsetting compensation being payable to the Concessionaire by or on behalf of such Contractor; or
- (e) any event or circumstance of a nature analogous to any of the foregoing.

# 34.5 Duty to report Force Majeure Event

- 34.5.1 Upon occurrence of a Force Majeure Event, the Affected Party shall by notice report such occurrence to the other Party forthwith. Any notice pursuant hereto shall include full particulars of:
  - (a) the nature and extent of each Force Majeure Event which is the subject of any claim for relief under this Article 34 with evidence in support thereof;
  - (b) the estimated duration and the effect or probable effect which such Force Majeure Event is having or will have on the Affected Party's performance of its obligations under this Agreement;
  - the measures which the Affected Party is taking or proposes to take for alleviating the impact of such Force Majeure Event; and
  - (d) any other information relevant to the Affected Party's claim.
- 34.5.2 The Affected Party shall not be entitled to any relief for or in respect of a Force Majeure Event unless it shall have notified the other Party of the occurrence of the Force Majeure Event as soon as reasonably practicable, and in any event no later than 7 (seven) days after the Affected Party knew, or ought reasonably to have known, of its occurrence, and shall have given particulars of the probable material effect that the Force Majeure Event is likely to have on the performance of its obligations under this Agreement.
- 34.5.3 For so long as the Affected Party continues to claim to be materially affected by such Force Majeure Event, it shall provide the other Party with regular (and not less than weekly) reports containing information as required by Clause 34.5.1, and such other information as the other Party may reasonably request the Affected Party to provide.

34.6 Effect of Force Majeure Event on the Concession

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34.6.1 Upon the occurrence of any Force Majeure Event prior to the Appointed Date, the period set forth in Clause 24.1.1 for achieving Financial Close shall



be extended by a period equal in length to the duration of the Force Majeure Event.

34.6.2 At any time after the Appointed Date, if any Force Majeure Event occurs:

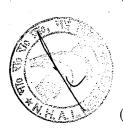
- (a) before COD, the Concession Period and the dates set forth in the Project Completion Schedule shall be extended by a period equal in length to the duration for which such Force Majeure Event subsists; or
- (b) after COD, whereupon the Concessionaire is unable to collect Fee despite making best efforts or it is directed by the Authority to suspend the collection thereof during the subsistence of such Force Majeure Event, the Concession Period shall be extended by a period, equal in length to the period during which the Concessionaire was prevented from collection of Fee on account thereof; provided that in the event of partial collection of Fee where the daily collection is less than 90% (ninety per cent) of the Average Daily Fee, the Authority shall extend the Concession Period in proportion to the loss of Fee on a daily basis. For the avoidance of doubt, loss of 25% (twenty-five per cent) in collection of Fee as compared to the Average Daily Fee for four days shall entitle the Concessionaire to extension of one day in the Concession Period.

# 34.7 Allocation of costs arising out of Force Majeure

- 34.7.1 Upon occurrence of any Force Majeure Event prior to the Appointed Date, the Parties shall bear their respective costs and no Party shall be required to pay to the other Party any costs thereof.
- 34.7.2 Upon occurrence of a Force Majeure Event after the Appointed Date, the costs incurred and attributable to such event and directly relating to the Project (the "Force Majeure Costs") shall be allocated and paid as follows:
  - (a) upon occurrence of a Non-Political Event, the Parties shall bear their respective Force Majeure Costs and neither Party shall be required to pay to the other Party any costs thereof;
  - (b) upon occurrence of an Indirect Political Event, all Force Majeure Costs attributable to such Indirect Political Event, and not exceeding the Insurance Cover for such Indirect Political Event, shall be borne by the Concessionaire, and to the extent Force Majeure Costs exceed such Insurance Cover, one half of such excess amount shall be reimbursed by the Authority to the Concessionaire; and
  - upon occurrence of a Political Event, all Force Majeure Costs attributable to such Political Event shall be reimbursed by the Authority to the Concessionaire.

For the avoidance of doubt, Force Majeure Costs may include interest payments on debt, O&M Expenses, any increase in the cost of Construction.

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Works on account of inflation and all other costs directly attributable to the Force Majeure Event, but shall not include loss of Fee revenues or debt repayment obligations, and for determining such costs, information contained in the Financial Package may be relied upon to the extent that such information is relevant.

34.7.3 Save and except as expressly provided in this Article 34, neither Party shall be liable in any manner whatsoever to the other Party in respect of any loss, damage, cost, expense, claims, demands and proceedings relating to or arising out of occurrence or existence of any Force Majeure Event or exercise of any right pursuant hereto.

# 34.8 Termination Notice for Force Majeure Event

If a Force Majeure Event subsists for a period of 180 (one hundred and eighty) days or more within a continuous period of 365 (three hundred and sixty five) days, either Party may in its discretion terminate this Agreement by issuing a Termination Notice to the other Party without being liable in any manner whatsoever, save as provided in this Article 34, and upon issue of such Termination Notice, this Agreement shall, notwithstanding anything to the contrary contained herein, stand terminated forthwith; provided that before issuing such Termination Notice, the Party intending to issue the Termination Notice shall inform the other Party of such intention and grant 15 (fifteen) days time to make a representation, and may after the expiry of such 15 (fifteen) days period, whether or not it is in receipt of such representation, in its sole discretion issue the Termination Notice.

# 34.9 Termination Payment for Force Majeure Event

- 34.9.1 If Termination is on account of a Non-Political Event, the Authority shall make a Termination Payment to the Concessionaire in an amount equal to 90% (ninety per cent) of the Debt Due less Insurance Cover.
- 34.9.2 If Termination is on account of an Indirect Political Event, the Authority shall make a Termination Payment to the Concessionaire in an amount equal to:
  - (a) Debt Due less Insurance Cover; provided that if any insurance claims forming part of the Insurance Cover are not admitted and paid, then 80% (eighty per cent) of such unpaid claims shall be included in the computation of Debt Due; and
  - (b) 110% (one hundred and ten per cent) of the Adjusted Equity.
- 34.9.3 If Termination is on account of a Political Event, the Authority shall make a Termination Payment to the Concessionaire in an amount that would be payable under Clause 37.3.2 as if it were an Authority Default.

## 34.10 Dispute resolution

In the event that the Parties are unable to agree in good faith about the



occurrence or existence of a Force Majeure Event, such Dispute shall be finally settled in accordance with the Dispute Resolution Procedure; provided that the burden of proof as to the occurrence or existence of such Force Majeure Event shall be upon the Party claiming relief and/or excuse on account of such Force Majeure Event.

# 34.11 Excuse from performance of obligations

If the Affected Party is rendered wholly or partially unable to perform its obligations under this Agreement because of a Force Majeure Event, it shall be excused from performance of such of its obligations to the extent it is unable to perform on account of such Force Majeure Event; provided that:

- (a) the suspension of performance shall be of no greater scope and of no longer duration than is reasonably required by the Force Majeure Event;
- (b) the Affected Party shall make all reasonable efforts to mitigate or limit damage to the other Party arising out of or as a result of the existence or occurrence of such Force Majeure Event and to cure the same with due diligence; and
- (c) when the Affected Party is able to resume performance of its obligations under this Agreement, it shall give to the other Party notice to that effect and shall promptly resume performance of its obligations hereunder.





# COMPENSATION FOR BREACH OF AGREEMENT

#### 35.1 Compensation for default by the Concessionaire

Subject to the provisions of Clause 35.6, in the event of the Concessionaire being in material default or breach of this Agreement, it shall pay to the Authority by way of compensation, all direct costs suffered or incurred by the Authority as a consequence of such material default or breach, within 30 (thirty) days of receipt of the demand supported by necessary particulars thereof; provided that no compensation shall be payable under this Clause 35.1 for any material breach or default in respect of which Damages are expressly specified and payable under this Agreement or for any consequential losses incurred by the Authority.

#### 35.2 Compensation for default by the Authority

Subject to the provisions of Clause 35.6, in the event of the Authority being in material default or breach of this Agreement at any time after the Appointed Date, it shall pay to the Concessionaire by way of compensation, all direct costs suffered or incurred by the Concessionaire as a consequence of such material default or breach within 30 (thirty) days of receipt of the demand supported by necessary particulars thereof; provided that no such compensation shall be payable for any material breach or default in respect of which Damages have been expressly specified in this Agreement. For the avoidance of doubt, compensation payable may include interest payments on debt, O&M Expenses, any increase in capital costs on account of inflation and all other costs directly attributable to such material breach or default but shall not include loss of Fee revenues, debt repayment obligations or other consequential losses, and for determining such compensation, information contained in the Financial Package and the Financial Model may be relied upon to the extent it is relevant.

#### 35.3 **Extension of Concession Period**

Subject to the provisions of Clause 35.6, in the event that a material default or breach of this Agreement set forth in Clause 35.2 causes delay in achieving COD or leads to suspension of or reduction in collection of Fee, as the case may be, the Authority shall, in addition to payment of compensation under Clause 35.2, extend the Concession Period, such extension being equal in duration to the period by which COD was delayed or the collection of Fee remained suspended on account thereof, as the case may be; and in the event of reduction in collection of Fee where the daily collection is less than 90% (ninety per cent) of the Average Daily Fee, the Authority shall, in addition to LUU payment of compensation under Clause 35.2, extend the Concession Period in proportion to the loss of Fee on a daily basis. For the avoidance of doubt loss of 25% (twenty five per cent) in collection of Fee as compared to the Average Daily Fee for four days shall entitle the Concessionaire to extension of one day in the Concession Period.

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# 35.4 Compensation for Competing Roads

- 35.4.1 Subject to the provisions of Clause 35.6, in the event that an Additional Tollway or a Competing Road, as the case may be, is opened to traffic in breach of this Agreement, the Authority shall pay to the Concessionaire, for each day of breach, compensation in a sum equal to the difference between the average daily Realisable Fee and the projected daily Fee (the "Projected Fee") until the breach is cured. The Projected Fee hereunder shall be an amount equal to the Average Daily Fee, increased at the close of every month by 0.5% (zero point five per cent) thereof and revised in accordance with Clause 27.2. For the avoidance of doubt, the Average Daily Fee for the purposes of this Clause shall be the amount so determined in respect of the Accounting Year or period, as the case may be, occurring prior to such opening or operation of an Additional Tollway or a Competing Road, as the case may be.
- 35.4.2 Payment of compensation under this Clause 35.4 shall be deemed to cure the breach of this Agreement so long as the Authority continues to pay compensation hereunder.

# 35.5 Compensation to be in addition

Compensation payable under this Article 35 shall be in addition to, and not in substitution for, or derogation of, Termination Payment, if any.

# 35.6 Mitigation of costs and damage

The Affected Party shall make all reasonable efforts to mitigate or limit the costs and damage arising out of or as a result of breach of Agreement by the other Party.





# SUSPENSION OF CONCESSIONAIRE'S RIGHTS

# 36.1 Suspension upon Concessionaire Default

Upon occurrence of a Concessionaire Default, the Authority shall be entitled, without prejudice to its other rights and remedies under this Agreement including its rights of Termination hereunder, to (i) suspend all rights of the Concessionaire under this Agreement including the Concessionaire's right to collect Fee, and other revenues pursuant hereto, and (ii) exercise such rights itself and perform the obligations hereunder or authorise any other person to exercise or perform the same on its behalf during such suspension (the "Suspension"). Suspension hereunder shall be effective forthwith upon issue of notice by the Authority to the Concessionaire and may extend up to a period not exceeding 180 (one hundred and eighty) days from the date of issue of such notice; provided that upon written request from the Concessionaire and the Lenders' Representative, the Authority shall extend the aforesaid period of 180 (one hundred and eighty) days by a further period not exceeding 90 (ninety) days.

# 36.2 Authority to act on behalf of Concessionaire

- 36.2.1 During the period of Suspension, the Authority shall, on behalf of the Concessionaire, collect all Fee and revenues under and in accordance with this Agreement and deposit the same in the Escrow Account. The Authority shall be entitled to make withdrawals from the Escrow Account for meeting the costs incurred by it for remedying and rectifying the cause of Suspension, and thereafter for defraying the expenses specified in Clause 31.3.
- 36.2.2 During the period of Suspension hereunder, all rights and liabilities vested in the Concessionaire in accordance with the provisions of this Agreement shall continue to vest therein and all things done or actions taken, including expenditure incurred by the Authority for discharging the obligations of the Concessionaire under and in accordance with this Agreement and the Project Agreements, shall be deemed to have been done or taken for and on behalf of the Concessionaire and the Concessionaire undertakes to indemnify the Authority for all costs incurred during such period. The Concessionaire hereby licences and sub-licences respectively, the Authority or any other person authorised by it under Clause 36.1 to use during Suspension, all Intellectual Property belonging to or licenced to the Concessionaire with respect to the Project Highway and its design, engineering, construction, operation and maintenance, and which is used or created by the Concessionaire in performing its obligations under the Agreement.



# 36.3 Revocation of Suspension

36.3.1 In the event that the Authority shall have rectified or removed the cause of Suspension within a period not exceeding 90 (ninety) days from the date of Suspension, it shall revoke the Suspension forthwith and restore all rights of

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the Concessionaire under this Agreement. For the avoidance of doubt, the Parties expressly agree that the Authority may, in its discretion, revoke the Suspension at any time, whether or not the cause of Suspension has been rectified or removed hereunder.

36.3.2 Upon the Concessionaire having cured the Concessionaire Default within a period not exceeding 90 (ninety) days from the date of Suspension, the Authority shall revoke the Suspension forthwith and restore all rights of the Concessionaire under this Agreement.

# 36.4 Substitution of Concessionaire

At any time during the period of Suspension, the Lenders' Representative, on behalf of Senior Lenders, shall be entitled to substitute the Concessionaire under and in accordance with the Substitution Agreement, and upon receipt of notice thereunder from the Lenders' Representative, the Authority shall withhold Termination for a period not exceeding 180 (one hundred and eighty) days from the date of Suspension, and any extension thereof under Clause 36.1, for enabling the Lenders' Representative to exercise its rights of substitution on behalf of Senior Lenders.

# 36.5 Termination

- 36.5.1 At any time during the period of Suspension under this Article 36, the Concessionaire may by notice require the Authority to revoke the Suspension and issue a Termination Notice. Subject to the rights of the Lenders' Representative to undertake substitution in accordance with the provisions of this Agreement and within the period specified in Clause 36.4, the Authority shall, within 15 (fifteen) days of receipt of such notice, terminate this Agreement under and in accordance with Article 37.
- 36.5.2 Notwithstanding anything to the contrary contained in this Agreement, in the event that Suspension is not revoked within 180 (one hundred and eighty) days from the date of Suspension hereunder or within the extended period, if any, set forth in Clause 36.1, the Concession Agreement shall, upon expiry of the aforesaid period, be deemed to have been terminated by mutual agreement of the Parties and all the provisions of this Agreement shall apply, mutatis mutandis, to such Termination as if a Termination Notice had been issued by the Authority upon occurrence of a Concessionaire Default.





# **TERMINATION**

# 37.1 Termination for Concessionaire Default

- 37.1.1 Save as otherwise provided in this Agreement, in the event that any of the defaults specified below shall have occurred, and the Concessionaire fails to cure the default within the Cure Period set forth below, or where no Cure Period is specified, then within a Cure Period of 60 (sixty) days, the Concessionaire shall be deemed to be in default of this Agreement (the "Concessionaire Default"), unless the default has occurred solely as a result of any breach of this Agreement by the Authority or due to Force Majeure. The defaults referred to herein shall include:
  - (a) the Performance Security has been encashed and appropriated in accordance with Clause 9.2 and the Concessionaire fails to replenish or provide fresh Performance Security within a Cure Period of 30 (thirty) days;
  - (b) subsequent to the replenishment or furnishing of fresh Performance Security in accordance with Clause 9.2, the Concessionaire fails to cure, within a Cure Period of 90 (ninety) days, the Concessionaire Default for which whole or part of the Performance Security was appropriated;
  - (c) the Concessionaire does not achieve the latest outstanding Project Milestone due in accordance with the provisions of Schedule-G and continues to be in default for 120 (one hundred and twenty) days;
  - (d) the Concessionaire abandons or manifests intention to abandon the construction or operation of the Project Highway without the prior written consent of the Authority;
  - (e) Project Completion Date does not occur within the period specified in Clause 12.4.3;
  - (f) the Punch List items have not been completed within the period set forth in Clause 14.4.1;
  - (g) the Concessionaire is in breach of the Maintenance Requirements or the Safety Requirements, as the case may be;
  - (h) the Concessionaire has failed to make any payment to the Authority within the period specified in this Agreement;
  - (i) an Escrow Default has occurred and the Concessionaire fails to cure the default within a Cure Period of 15 (fifteen) days; 104
  - (j) upon occurrence of a Financial Default, the Lenders' Representative

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has by notice required the Authority to undertake Suspension or Termination, as the case may be, in accordance with the Substitution Agreement and the Concessionaire fails to cure the default within the Cure Period specified hereinabove;

- (k) a breach of any of the Project Agreements by the Concessionaire has caused a Material Adverse Effect;
- (l) the Concessionaire creates any Encumbrance in breach of this Agreement;
- (m) the Concessionaire repudiates this Agreement or otherwise takes any action or evidences or conveys an intention not to be bound by the Agreement;
- (n) a Change in Ownership has occurred in breach of the provisions of Clause 5.3;
- (o) there is a transfer, pursuant to law either of (i) the rights and/or obligations of the Concessionaire under any of the Project Agreements, or of (ii) all or part of the assets or undertaking of the Concessionaire, and such transfer causes a Material Adverse Effect;
- (p) an execution levied on any of the assets of the Concessionaire has caused a Material Adverse Effect;
- (q) the Concessionaire is adjudged bankrupt or insolvent, or if a trustee or receiver is appointed for the Concessionaire or for the whole or material part of its assets that has a material bearing on the Project;
- (r) the Concessionaire has been, or is in the process of being liquidated, dissolved, wound-up, amalgamated or reconstituted in a manner that would cause, in the reasonable opinion of the Authority, a Material Adverse Effect;
- (s) a resolution for winding up of the Concessionaire is passed, or any petition for winding up of the Concessionaire is admitted by a court of competent jurisdiction and a provisional liquidator or receiver is appointed and such order has not been set aside within 90 (ninety) days of the date thereof or the Concessionaire is ordered to be wound up by Court except for the purpose of amalgamation or reconstruction; provided that, as part of such amalgamation or reconstruction, the entire property, assets and undertaking of the Concessionaire are transferred to the amalgamated or reconstructed entity and that the amalgamated or reconstructed entity has unconditionally assumed the obligations of the Concessionaire under this Agreement and the Project Agreements; and provided that: 1 15
  - (i) the amalgamated or reconstructed entity has the capability and operating experience necessary for the performance of its obligations under this Agreement and the Project Agreements:





- (ii) the amalgamated or reconstructed entity has the financial standing to perform its obligations under this Agreement and the Project Agreements and has a credit worthiness at least as good as that of the Concessionaire as at the Appointed Date; and
- (iii) each of the Project Agreements remains in full force and effect;
- (t) any representation or warranty of the Concessionaire herein contained which is, as of the date hereof, found to be materially false, incorrect or misleading or the Concessionaire is at any time hereafter found to be in breach thereof;
- (u) the Concessionaire submits to the Authority any statement, notice or other document, in written or electronic form, which has a material effect on the Authority's rights, obligations or interests and which is false in material particulars;
- (v) the Concessionaire has failed to fulfil any obligation, for which failure Termination has been specified in this Agreement; or
- (w) the Concessionaire commits a default in complying with any other provision of this Agreement if such a default causes a Material Adverse Effect on the Authority.
- 37.1.2 Without prejudice to any other rights or remedies which the Authority may have under this Agreement, upon occurrence of a Concessionaire Default, the Authority shall be entitled to terminate this Agreement by issuing a Termination Notice to the Concessionaire; provided that before issuing the Termination Notice, the Authority shall by a notice inform the Concessionaire of its intention to issue such Termination Notice and grant 15 (fifteen) days to the Concessionaire to make a representation, and may after the expiry of such 15 (fifteen) days, whether or not it is in receipt of such representation, issue the Termination Notice, subject to the provisions of clause 37.1.3.
- 37.1.3 The Authority shall, if there be Senior Lenders, send a copy of its notice of intention to issue a Termination Notice referred to in Clause 37.1.2 to inform the Lenders' Representative and grant 15 (fifteen) days to the Lenders' Representative, for making a representation on behalf of the Senior Lenders stating the intention to substitute the Concessionaire in accordance with the Substitution Agreement. In the event the Authority receives such representation on behalf of Senior Lenders, it shall, in its discretion, either withhold Termination for a period not exceeding 180 (one hundred and eighty) days from the date of such representation or exercise its right of Suspension, as the case may be, for enabling the Lenders' Representative to exercise the Senior Lenders' right of substitution in accordance with the Substitution Agreement:





Provided that the Lenders' Representative may, instead of exercising the Senior Lenders' right of substitution, procure that the default specified in the notice is cured within the aforesaid period of 180 (one hundred and eighty) days, and upon such curing thereof, the Authority shall withdraw its notice referred to above and restore all the rights of the Concessionaire:

Provided further that upon written request from the Lenders' Representative and the Concessionaire, the Authority shall extend the aforesaid period of 180 (one hundred and eighty) days by such further period not exceeding 90 (ninety) days, as the Authority may deem appropriate.

# 37.2 Termination for Authority Default

- 37.2.1 In the event that any of the defaults specified below shall have occurred, and the Authority fails to cure such default within a Cure Period of 90 (ninety) days or such longer period as has been expressly provided in this Agreement, the Authority shall be deemed to be in default of this Agreement (the "Authority Default") unless the default has occurred as a result of any breach of this Agreement by the Concessionaire or due to Force Majeure. The defaults referred to herein shall include:
  - (a) The Authority commits a material default in complying with any of the provisions of this Agreement and such default has a Material Adverse Effect on the Concessionaire;
  - (b) the Authority has failed to make any payment to the Concessionaire within the period specified in this Agreement;
  - (c) the Authority repudiates this Agreement or otherwise takes any action that amounts to or manifests an irrevocable intention not to be bound by this Agreement; or
  - (d) the State commits a material default in complying with the provisions of the State Support Agreement if such default has a Material Adverse Effect on the Concessionaire and the breach continues for a period of 90 (ninety) days from the date of notice given in this behalf by the Concessionaire to the Authority.
- 37.2.2 Without prejudice to any other right or remedy which the Concessionaire may have under this Agreement, upon occurrence of an Authority Default, the Concessionaire shall, subject to the provisions of the Substitution Agreement, be entitled to terminate this Agreement by issuing a Termination Notice to the Authority; provided that before issuing the Termination Notice, the Concessionaire shall by a notice inform the Authority of its intention to issue the Termination Notice and grant 15 (fifteen) days to the Authority to make a representation, and may after the expiry of such 15 (fifteen) days, whether or not it is in receipt of such representation, issue the Termination Notice.



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# 37.3 Termination Payment

- 37.3.1 Upon Termination on account of a Concessionaire Default during the Operation Period, the Authority shall pay to the Concessionaire, by way of Termination Payment, an amount equal to 90% (ninety per cent) of the Debt Due less Insurance Cover; provided that if any insurance claims forming part of the Insurance Cover are not admitted and paid, then 80% (eighty per cent) of such unpaid claims shall be included in the computation of Debt Due. For the avoidance of doubt, the Concessionaire hereby acknowledges that no Termination Payment shall be due or payable on account of a Concessionaire Default occurring prior to COD.
- 37.3.2 Upon Termination on account of an Authority Default, the Authority shall pay to the Concessionaire, by way of Termination Payment, an amount equal to:
  - (a) Debt Due; and
  - (b) 150% (one hundred and fifty per cent) of the Adjusted Equity.
- 37.3.3 Termination Payment shall become due and payable to the Concessionaire within 15 (fifteen) days of a demand being made by the Concessionaire to the Authority with the necessary particulars, and in the event of any delay, the Authority shall pay interest at a rate equal to 3% (three per cent) above the Bank Rate on the amount of Termination Payment remaining unpaid; provided that such delay shall not exceed 90 (ninety) days. For the avoidance of doubt, it is expressly agreed that Termination Payment shall constitute full discharge by the Authority of its payment obligations in respect thereof hereunder.
- 37.3.4 The Concessionaire expressly agrees that Termination Payment under this Article 37 shall constitute a full and final settlement of all claims of the Concessionaire on account of Termination of this Agreement for any reason whatsoever and that the Concessionaire or any shareholder thereof shall not have any further right or claim under any law, treaty, convention, contract or otherwise.

# 37.4 Other rights and obligations of the Authority

Upon Termination for any reason whatsoever, the Authority shall:

- (a) be deemed to have taken possession and control of the Project Highway forthwith;
- (b) take possession and control of all materials, stores, implements, construction plants and equipment on or about the Site;
- (c) be entitled to restrain the Concessionaire and any person claiming through or under the Concessionaire from entering upon the Site or any part of the Project;
  - (d) require the Concessionaire to comply with the Divestment Requirements set forth in Clause 38.1; and



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(e) succeed upon election by the Authority, without the necessity of any further action by the Concessionaire, to the interests of the Concessionaire under such of the Project Agreements as the Authority may in its discretion deem appropriate, and shall upon such election be liable to the Contractors only for compensation accruing and becoming due and payable to them under the terms of their respective Project Agreements from and after the date the Authority elects to succeed to the interests of the Concessionaire. For the avoidance of doubt, the Concessionaire acknowledges and agrees that all sums claimed by such Contractors as being due and owing for works and services performed or accruing on account of any act, omission or event prior to such date shall constitute debt between the Concessionaire and such Contractors, and the Authority shall not in any manner be liable for such sums. It is further agreed that in the event the Authority elects to cure any outstanding defaults under such Project Agreements, the amount expended by the Authority for this purpose shall be deducted from the Termination Payment.

# 37.5 Survival of rights

Notwithstanding anything to the contrary contained in this Agreement, but subject to the provisions of Clause 37.3.4, any Termination pursuant to the provisions of this Agreement shall be without prejudice to the accrued rights of either Party including its right to claim and recover money damages, insurance proceeds, security deposits, and other rights and remedies, which it may have in law or contract. All rights and obligations of either Party under this Agreement, including Termination Payments and Divestment Requirements, shall survive the Termination to the extent such survival is necessary for giving effect to such rights and obligations.





# DIVESTMENT OF RIGHTS AND INTEREST

# 38.1 Divestment Requirements

- 38.1.1 Upon Termination, the Concessionaire shall comply with and conform to the following Divestment Requirements:
  - (a) notify to the Authority forthwith the location and particulars of all Project Assets;
  - (b) deliver forthwith the actual or constructive possession of the Project Highway, free and clear of all Encumbrances, save and except to the extent set forth in the Substitution Agreement;
  - (c) cure all Project Assets, including the road, bridges, structures and equipment, of all defects and deficiencies so that the Project Highway is compliant with the Maintenance Requirements; provided that in the event of Termination during the Construction Period, all Project Assets shall be handed over on 'as is where is' basis after bringing them to a safe condition;
  - (d) deliver and transfer relevant records, reports, Intellectual Property and other licences pertaining to the Project Highway and its design, engineering, construction, operation and maintenance, including all programmes and manuals pertaining thereto, and complete 'as built' Drawings as on the Transfer Date. For the avoidance of doubt, the Concessionaire represents and warrants that the Intellectual Property delivered hereunder shall be adequate and complete for the design, engineering, construction, operation and maintenance of the Project Highway and shall be assigned to the Authority free of any encumbrance;
  - (e) transfer and/or deliver all Applicable Permits to the extent permissible under Applicable Laws;
    - execute such deeds of conveyance, documents and other writings as the Authority may reasonably require for conveying, divesting and assigning all the rights, title and interest of the Concessionaire in the Project Highway, including manufacturers' warranties in respect of any plant or equipment and the right to receive outstanding insurance claims to the extent due and payable to the Authority, absolutely unto the Authority or its nominee; and

comply with all other requirements as may be prescribed or required under Applicable Laws for completing the divestment and assignment of all rights, title and interest of the Concessionaire in the Project Highway, free from all Encumbrances, absolutely unto the Authority or to its nominee.



(f)



38.1.2 Subject to the exercise by the Authority of its rights under this Agreement or under any of the Project Agreements to perform or procure the performance by a third party of any of the obligations of the Concessionaire, the Parties shall continue to perform their obligations under this Agreement, notwithstanding the giving of any Termination Notice, until the Termination of this Agreement becomes effective in accordance with its terms.

# 38.2 Inspection and cure

Not earlier than 90 (ninety) days prior to Termination but not later than 15 (fifteen) days prior to the effective date of such Termination, the Independent Engineer shall verify, after giving due notice to the Concessionaire of the time, date and venue of such verification, compliance by the Concessionaire with the Maintenance Requirements, and if required, cause appropriate tests to be carried out at the Concessionaire's cost for this purpose. Defaults, if any, in the Maintenance Requirements shall be cured by the Concessionaire at its cost and the provisions of Article 39 shall apply, *mutatis mutandis*, in relation to curing of defects or deficiencies under this Article 38.

# 38.3 Cooperation and assistance on transfer of Project

- 38.3.1 The Parties shall cooperate on a best effort basis and take all necessary measures, in good faith, to achieve a smooth transfer of the Project in accordance with the provisions of this Agreement so as to protect the safety of and avoid undue delay or inconvenience to the Users, other members of the public or the lawful occupiers of any part of the Site.
- 38.3.2 The Parties shall provide to each other, 9 (nine) months prior to the Transfer Date in the event of Termination by efflux of time and immediately in the event of either Party conveying to the other Party its intent to issue a Termination Notice, as the case may be, as much information and advice as is reasonably practicable regarding the proposed arrangements for operation of the Project following the Transfer Date. The Concessionaire shall further provide such reasonable advice and assistance as the Authority, its concessionaire or agent may reasonably require for operation of the Project until the expiry of 6 (six) months after the Transfer Date.
- 38.3.3 The Authority shall have the option to purchase or hire from the Concessionaire at a fair market value and free from any encumbrance all or any part of the plant and machinery used in connection with the Project but which does not form part of the assets specified in Clause 38.1.1 and is reasonably required in connection with operation of the Project. For the avoidance of doubt, in the event of dispute or difference relating to fair market value, the Dispute Resolution Procedure shall apply.

# 38.4 Vesting Certificate

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The divestment of all rights, title and interest in the Project Highway shall be deemed to be complete on the date when all of the Divestment Requirements have been fulfilled, and the Authority shall, without unreasonable delay,



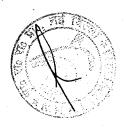
thereupon issue a certificate substantially in the form set forth in Schedule-U (the "Vesting Certificate"), which will have the effect of constituting evidence of divestment by the Concessionaire of all of its rights, title and interest in the Project Highway, and their vesting in the Authority pursuant hereto. It is expressly agreed that any defect or deficiency in the Divestment Requirements shall not in any manner be construed or interpreted as restricting the exercise of any rights by the Authority or its nominee on, or in respect of, the Project Highway on the footing that all Divestment Requirements have been complied with by the Concessionaire.

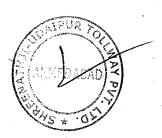
# 38.5 Additional Facilities

Notwithstanding anything to the contrary contained in this Agreement, all Additional Facilities shall continue to vest in the Concessionaire upon and after Termination.

# 38.6 Divestment costs etc.

- 38.6.1 The Concessionaire shall bear and pay all costs incidental to divestment of all of the rights, title and interest of the Concessionaire in the Project Highway in favour of the Authority upon Termination, save and except that all stamp duties payable on any deeds or Documents executed by the Concessionaire in connection with such divestment shall be borne by the Authority.
- 38.6.2 In the event of any dispute relating to matters covered by and under this Article 38, the Dispute Resolution Procedure shall apply.





# DEFECTS LIABILITY AFTER TERMINATION

### Liability for defects after Termination 39.1

The Concessionaire shall be responsible for all defects and deficiencies in the Project Highway for a period of 120 (One hundred and twenty) days after Termination, and it shall have the obligation to repair or rectify, at its own cost, all defects and deficiencies observed by the Independent Engineer in the Project Highway during the aforesaid period. In the event that the Concessionaire fails to repair or rectify such defect or deficiency within a period of 15 (fifteen) days from the date of notice issued by the Authority in this behalf, the Authority shall be entitled to get the same repaired or rectified at the Concessionaire's risk and cost so as to make the Project Highway conform to the Maintenance Requirements. All costs incurred by the Authority hereunder shall be reimbursed by the Concessionaire to the Authority within 15 (fifteen) days of receipt of demand thereof, and in the event of default in reimbursing such costs, the Authority shall be entitled to recover the same from the Escrow Account.

# Retention in Escrow Account

- 39.2.1 Notwithstanding anything to the contrary contained in this Agreement, but subject to the provisions of Clause 39.2.3, a sum equal to 5% (five per cent) of the total Realisable Fee for the year immediately preceding the Transfer Date shall be retained in the Escrow Account for a period of 120 (one hundred and twenty) days after Termination for meeting the liabilities, if any, arising out of or in connection with the provisions of Clause 39.1.
- 39.2.2 Without prejudice to the provisions of Clause 39.2.1, the Independent Engineer shall carry out an inspection of the Project Highway at any time between 210 (two hundred and ten) and 180 (one hundred and eighty) days prior to the Termination and if it recommends that the status of the Project Highway is such that a sum larger than the amount stipulated in Clause 39.2.1 should be retained in the Escrow Account and for a period longer than the aforesaid 120 (one hundred and twenty) days, the amount recommended by the Independent Engineer shall be retained in the Escrow Account for the period specified by it.
- 39.2.3 The Concessionaire may, for the performance of its obligations under this Article 39, provide to the Authority a guarantee from a Bank for a sum equivalent to the amount determined under Clause 39.2.1 or 39.2.2, as the case may be, and for the period specified therein, substantially in the form set forth in Schedule-F (the "Performance Guarantee"), to be modified, mutatis mutandis, for this purpose, and the Authority shall, without prejudice to its other rights and remedies hereunder or in law, be entitled to encash and appropriate the required amounts from the Performance Guarantee for undertaking the repairs or rectification at the Concessionaire's risk and cost 113in accordance with the provisions of this Article 39. Upon furnishing of a

Performance Guarantee under this Clause 39.2.3, the retention of funds in the Escrow Account in terms of Clause 39.2.1 or 39.2.2, as the case may be, shall be dispensed with.





# Part VI Other Provisions





# ASSIGNMENT AND CHARGES

# 40.1 Restrictions on assignment and charges

- 40.1.1 Subject to Clauses 40.2 and 40.3, this Agreement shall not be assigned by the Concessionaire to any person, save and except with the prior consent in writing of the Authority, which consent the Authority shall be entitled to decline without assigning any reason.
- 40.1.2 Subject to the provisions of Clause 40.2, the Concessionaire shall not create nor permit to subsist any Encumbrance, or otherwise transfer or dispose of all or any of its rights and benefits under this Agreement or any Project Agreement to which the Concessionaire is a party except with prior consent in writing of the Authority, which consent the Authority shall be entitled to decline without assigning any reason.

# 40.2 Permitted assignment and charges

The restraints set forth in Clause 40.1 shall not apply to:

- (a) liens arising by operation of law (or by an agreement evidencing the same) in the ordinary course of business of the Project Highway;
- (b) mortgages/pledges/hypothecation of goods/assets other than Project Assets and their related documents of title, a charge on the Escrow Account, arising or created in the ordinary course of business of the Project Highway, and as security only for indebtedness to the Senior Lenders under the Financing Agreements and/or for working capital arrangements for the Project Highway;
- assignment of rights, interest and obligations of the Concessionaire to or in favour of the Lenders' Representative as nominee and for the benefit of the Senior Lenders, to the extent covered by and in accordance with the Substitution Agreement as security for financing provided by Senior Lenders under the Financing Agreements; and
- (d) liens or encumbrances required by any Applicable Law.

# 40.3 Substitution Agreement

40.3.1 The Lenders' Representative, on behalf of Senior Lenders, may exercise the right to substitute the Concessionaire pursuant to the agreement for substitution of the Concessionaire (the "Substitution Agreement") to be entered into amongst the Concessionaire, the Authority and the Lenders' Representative, on behalf of Senior Lenders, substantially in the form set forth in Schedule-V.

40.3.2 Upon substitution of the Concessionaire under and in accordance with the



Substitution Agreement, the Nominated Company substituting the Concessionaire shall be deemed to be the Concessionaire under this Agreement and shall enjoy all rights and be responsible for all obligations of the Concessionaire under this Agreement as if it were the Concessionaire; provided that where the Concessionaire is in breach of this Agreement on the date of such substitution, the Authority shall by notice grant a Cure Period of 120 (one hundred and twenty) days to the Concessionaire for curing such breach.

# 40.4 Assignment by the Authority

Notwithstanding anything to the contrary contained in this Agreement, the Authority may, after giving 60 (sixty) days' notice to the Concessionaire, assign and/or transfer any of its rights and benefits and/or obligations under this Agreement to an assignee who is, in the reasonable opinion of the Authority, capable of fulfilling all of the Authority's then outstanding obligations under this Agreement.





# ARTICLE 41 CHANGE IN LAW

# 41.1 Increase in costs

If as a result of Change in Law, the Concessionaire suffers an increase in costs or reduction in net after-tax return or other financial burden, the aggregate financial effect of which exceeds the higher of Rs. 1 crore (Rupees one crore) and 0.5% (zero point five percent) of the Realisable Fee in any Accounting Year, the Concessionaire may so notify the Authority and propose amendments to this Agreement so as to place the Concessionaire in the same financial position as it would have enjoyed had there been no such Change in Law resulting in the cost increase, reduction in return or other financial burden as aforesaid. Upon notice by the Concessionaire, the Parties shall meet, as soon as reasonably practicable but no later than 30 (thirty) days from the date of notice, and either agree on amendments to this Agreement or on any other mutually agreed arrangement:

Provided that if no agreement is reached within 90 (ninety) days of the aforesaid notice, the Concessionaire may by notice require the Authority to pay an amount that would place the Concessionaire in the same financial position that it would have enjoyed had there been no such Change in Law, and within 15 (fifteen) days of receipt of such notice, along with particulars thereof, the Authority shall pay the amount specified therein; provided that if the Authority shall dispute such claim of the Concessionaire, the same shall be settled in accordance with the Dispute Resolution Procedure. For the avoidance of doubt, it is agreed that this Clause 41.1 shall be restricted to changes in law directly affecting the Concessionaire's costs of performing its obligations under this Agreement.

# 41.2 Reduction in costs

If as a result of Change in Law, the Concessionaire benefits from a reduction in costs or increase in net after-tax return or other financial gains, the aggregate financial effect of which exceeds the higher of Rs. 1 crore (Rupees one crore) and 0.5% (zero point five percent) of the Realisable Fee in any Accounting Year, the Authority may so notify the Concessionaire and propose amendments to this Agreement so as to place the Concessionaire in the same financial position as it would have enjoyed had there been no such Change in Law resulting in the decreased costs, increase in return or other financial gains as aforesaid. Upon notice by the Authority, the Parties shall meet, as soon as reasonably practicable but no later than 30 (thirty) days from the date of notice, and either agree on such amendments to this Agreement or on any other mutually agreed arrangement:

Provided that if no agreement is reached within 90 (ninety) days of the aforesaid notice, the Authority may by notice require the Concessionaire to pay an amount that would place the Concessionaire in the same financial 18 position that it would have enjoyed had there been no such Change in Law,

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and within 15 (fifteen) days of receipt of such notice, along with particulars thereof, the Concessionaire shall pay the amount specified therein to the Authority; provided that if the Concessionaire shall dispute such claim of the Authority, the same shall be settled in accordance with the Dispute Resolution Procedure. For the avoidance of doubt, it is agreed that this Clause 41.2 shall be restricted to changes in law directly affecting the Concessionaire's costs of performing its obligations under this Agreement.

# 41.3 Protection of NPV

Pursuant to the provisions of Clauses 41.1 and 41.2 and for the purposes of placing the Concessionaire in the same financial position as it would have enjoyed had there been no Change in Law affecting the costs, returns or other financial burden or gains, the Parties shall rely on the Financial Model to establish a net present value (the "NPV") of the net cash flow and make necessary adjustments in costs, revenues, compensation or other relevant parameters, as the case may be, to procure that the NPV of the net cash flow is the same as it would have been if no Change in Law had occurred.

# 41.4 Restriction on cash compensation

The Parties acknowledge and agree that the demand for cash compensation under this Article 41 shall be restricted to the effect of Change in Law during the respective Accounting Year and shall be made at any time after commencement of such year, but no later than one year from the close of such Accounting Year. Any demand for cash compensation payable for and in respect of any subsequent Accounting Year shall be made after the commencement of the Accounting Year to which the demand pertains, but no later than 2 (two) years from the close of such Accounting Year.

# 41.5 No claim in the event of recovery from Users

Notwithstanding anything to the contrary contained in this Agreement, the Authority shall not in any manner be liable to reimburse to the Concessionaire any sums on account of a Change in Law if the same are recoverable from the Users.





# LIABILITY AND INDEMNITY

# 42.1 General indemnity

- 42.1.1 The Concessionaire will indemnify, defend, save and hold harmless the Authority and its officers, servants, agents, Government Instrumentalities and Government owned and/or controlled entities/enterprises, (the "Authority Indemnified Persons") against any and all suits, proceedings, actions, demands and claims from third parties for any loss, damage, cost and expense of whatever kind and nature, whether arising out of any breach by the Concessionaire of any of its obligations under this Agreement or any related agreement or on account of any defect or deficiency in the provision of services by the Concessionaire to any User or from any negligence of the Concessionaire under contract or tort or on any other ground whatsoever, except to the extent that any such suits, proceedings, actions, demands and claims have arisen due to any negligent act or omission, or breach or default of this Agreement on the part of the Authority Indemnified Persons.
- 42.1.2 The Authority will indemnify, defend, save and hold harmless the Concessionaire against any and all suits, proceedings, actions, demands and claims from third parties for any loss, damage, cost and expense of whatever kind and nature arising out of (i) defect in title and/or the rights of the Authority in the land comprised in the Site, and/or (ii) breach by the Authority of any of its obligations under this Agreement or any related agreement, which materially and adversely affect the performance by the Concessionaire of its obligations under this Agreement, save and except that where any such claim, suit, proceeding, action, and/or demand has arisen due to a negligent act or omission, or breach of any of its obligations under any provision of this Agreement or any related agreement and/or breach of its statutory duty on the part of the Concessionaire, its subsidiaries, affiliates, contractors, servants or agents, the same shall be the liability of the Concessionaire.

# 42.2 Indemnity by the Concessionaire

- 42.2.1 Without limiting the generality of Clause 42.1, the Concessionaire shall fully indemnify, hold harmless and defend the Authority and the Authority Indemnified Persons from and against any and all loss and/or damages arising out of or with respect to:
  - (a) failure of the Concessionaire to comply with Applicable Laws and Applicable Permits;
  - (b) payment of taxes required to be made by the Concessionaire in respect of the income or other taxes of the Concessionaire's contractors, suppliers and representatives; or
  - (c) non-payment of amounts due as a result of materials or services



furnished to the Concessionaire or any of its contractors which are payable by the Concessionaire or any of its contractors.

42.2.2 Without limiting the generality of the provisions of this Article 42, the Concessionaire shall fully indemnify, hold harmless and defend the Authority Indemnified Persons from and against any and all suits, proceedings, actions, claims, demands, liabilities and damages which the Authority Indemnified Persons may hereafter suffer, or pay by reason of any demands, claims, suits or proceedings arising out of claims of infringement of any domestic or foreign patent rights, copyrights or other intellectual property, proprietary or confidentiality rights with respect to any materials, information, design or process used by the Concessionaire or by the Concessionaire's Contractors in performing the Concessionaire's obligations or in any way incorporated in or related to the Project. If in any such suit, action, claim or proceedings, a temporary restraint order or preliminary injunction is granted, the Concessionaire shall make every reasonable effort, by giving a satisfactory bond or otherwise, to secure the revocation or suspension of the injunction or restraint order. If, in any such suit, action, claim or proceedings, the Project Highway, or any part thereof or comprised therein, is held to constitute an infringement and its use is permanently enjoined, the Concessionaire shall promptly make every reasonable effort to secure for the Authority a licence, at no cost to the Authority, authorising continued use of the infringing work. If the Concessionaire is unable to secure such licence within a reasonable time, the Concessionaire shall, at its own expense, and without impairing the Specifications and Standards, either replace the affected work, or part, or process thereof with non-infringing work or part or process, or modify the same so that it becomes noninfringing.

# 42.3 Notice and contest of claims

In the event that either Party receives a claim or demand from a third party in respect of which it is entitled to the benefit of an indemnity under this Article 42 (the "Indemnified Party") it shall notify the other Party (the "Indemnifying Party") within 15 (fifteen) days of receipt of the claim or demand and shall not settle or pay the claim without the prior approval of the Indemnifying Party, which approval shall not be unreasonably withheld or delayed. In the event that the Indemnifying Party wishes to contest or dispute the claim or demand, it may conduct the proceedings in the name of the Indemnified Party, subject to the Indemnified Party being secured against any costs involved, to its reasonable satisfaction.

# 42.4 Defence of claims

42.4.1 The Indemnified Party shall have the right, but not the obligation, to contest, defend and litigate any claim, action, suit or proceeding by any third party alleged or asserted against such Party in respect of, resulting from, related to or arising out of any matter for which it is entitled to be indemnified hereunder, and reasonable costs and expenses thereof shall be indemnified by the Indemnifying Party. If the Indemnifying Party acknowledges in

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writing its obligation to indemnify the Indemnified Party in respect of loss to the full extent provided by this Article 42, the Indemnifying Party shall be entitled, at its option, to assume and control the defence of such claim, action, suit or proceeding, liabilities, payments and obligations at its expense and through the counsel of its choice; provided it gives prompt notice of its intention to do so to the Indemnified Party and reimburses the Indemnified Party for the reasonable cost and expenses incurred by the Indemnified Party prior to the assumption by the Indemnifying Party of such defence. The Indemnifying Party shall not be entitled to settle or compromise any claim, demand, action, suit or proceeding without the prior written consent of the Indemnified Party, unless the Indemnifying Party provides such security to the Indemnified Party as shall be reasonably required by the Indemnified Party to secure the loss to be indemnified hereunder to the extent so compromised or settled.

- 42.4.2 If the Indemnifying Party has exercised its rights under Clause 42.3, the Indemnified Party shall not be entitled to settle or compromise any claim, action, suit or proceeding without the prior written consent of the Indemnifying Party (which consent shall not be unreasonably withheld or delayed).
- 42.4.3 If the Indemnifying Party exercises its rights under Clause 42.3, the Indemnified Party shall nevertheless have the right to employ its own counsel, and such counsel may participate in such action, but the fees and expenses of such counsel shall be at the expense of the Indemnified Party, when and as incurred, unless:
  - (a) the employment of counsel by such party has been authorised in writing by the Indemnifying Party; or
  - (b) the Indemnified Party shall have reasonably concluded that there may be a conflict of interest between the Indemnifying Party and the Indemnified Party in the conduct of the defence of such action; or
  - (c) the Indemnifying Party shall not, in fact, have employed independent counsel reasonably satisfactory to the Indemnified Party, to assume the defence of such action and shall have been so notified by the Indemnified Party; or
  - (d) the Indemnified Party shall have reasonably concluded and specifically notified the Indemnifying Party either:
- (i) that there may be specific defences available to it which are different from or additional to those available to the Indemnifying Party; or
- (ii) that such claim, action, suit or proceeding involves or could have a material adverse effect upon it beyond the scope of this Agreement:

Provided that if Sub-clauses (b), (c) or (d) of this Clause 42.4.3 shall be Four Laning of Gomati Chauraha – Udaipur section of NH-8 (from Km 177/000 to Km 260/100) in the 22 State of Rajasthan under NHDP Phase IV on Design, Build, Finance, Operate and Transfer (Toll) basis



applicable, the counsel for the Indemnified Party shall have the right to direct the defence of such claim, demand, action, suit or proceeding on behalf of the Indemnified Party, and the reasonable fees and disbursements of such counsel shall constitute legal or other expenses hereunder.

# 42.5 No consequential claims

Notwithstanding anything to the contrary contained in this Article 42, the indemnities herein provided shall not include any claim or recovery in respect of any cost, expense, loss or damage of an indirect, incidental or consequential nature, including loss of profit, except as expressly provided in this Agreement.

# 42.6 Survival on Termination

The provisions of this Article 42 shall survive Termination.





# RIGHTS AND TITLE OVER THE SITE

### 43.1 Licensee rights

For the purpose of this Agreement, the Concessionaire shall have rights to the use of the Site as sole licensee subject to and in accordance with this Agreement, and to this end, it may regulate the entry and use of the Project Highway by third parties in accordance with and subject to the provisions of this Agreement.

### 43.2 Access rights of the Authority and others

- 43.2.1 The Concessionaire shall allow free access to the Site at all times for the authorised representatives and vehicles of the Authority, Senior Lenders, and the Independent Engineer, and for the persons and vehicles duly authorised by any Government Instrumentality to inspect the Project Highway or to investigate any matter within their authority, and upon reasonable notice, the Concessionaire shall provide to such persons reasonable assistance necessary to carry out their respective duties and functions.
- 43.2.2 The Concessionaire shall, for the purpose of operation and maintenance of any utility or road specified in Article 11, allow free access to the Site at all times for the authorised persons and vehicles of the controlling body of such utility or road.

# Property taxes

All property taxes on the Site shall be payable by the Authority as owner of the Site; provided, however, that any such taxes payable by the Concessionaire under Applicable Laws for use of the Site shall not be reimbursed or payable by the Authority.

### 43.4 Restriction on sub-letting

The Concessionaire shall not sublicense or sublet the whole or any part of the Site, save and except as may be expressly set forth in this Agreement; provided that nothing contained herein shall be construed or interpreted as restricting the right of the Concessionaire to appoint Contractors for the performance of its obligations hereunder including for operation and maintenance of all or any part of the Project Highway.



# DISPUTE RESOLUTION

# 44.1 Dispute resolution

- 44.1.1 Any dispute, difference or controversy of whatever nature howsoever arising under or out of or in relation to this Agreement (including its interpretation) between the Parties, and so notified in writing by either Party to the other Party (the "Dispute") shall, in the first instance, be attempted to be resolved amicably in accordance with the conciliation procedure set forth in Clause 44.2.
- 44.1.2 The Parties agree to use their best efforts for resolving all Disputes arising under or in respect of this Agreement promptly, equitably and in good faith, and further agree to provide each other with reasonable access during normal business hours to all non-privileged records, information and data pertaining to any Dispute.

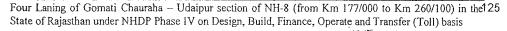
# 44.2 Conciliation

In the event of any Dispute between the Parties, either Party may call upon the Independent Engineer to mediate and assist the Parties in arriving at an amicable settlement thereof. Failing mediation by the Independent Engineer or without the intervention of the Independent Engineer, either Party may require such Dispute to be referred to the Chairman of the Authority and the Chairman of the Board of Directors of the Concessionaire for amicable settlement, and upon such reference, the said persons shall meet no later than 7 (seven) days from the date of reference to discuss and attempt to amicably resolve the Dispute. If such meeting does not take place within the 7 (seven) day period or the Dispute is not amicably settled within 15 (fifteen) days of the meeting or the Dispute is not resolved as evidenced by the signing of written terms of settlement within 30 (thirty) days of the notice in writing referred to in Clause 44.1.1 or such longer period as may be mutually agreed by the Parties, either Party may refer the Dispute to arbitration in accordance with the provisions of Clause 44.3.

# 44.3 Arbitration

44.3.1 Any Dispute which is not resolved amicably by conciliation, as provided in Clause 44.2, shall be finally decided by reference to arbitration by a Board of Arbitrators appointed in accordance with Clause 44.3.2. Such arbitration shall be held in accordance with the Rules of Arbitration of the International Centre for Alternative Dispute Resolution, New Delhi (the "Rules"), or such other rules as may be mutually agreed by the Parties, and shall be subject to the provisions of the Arbitration Act. The venue of such arbitration shall be Delhi, and the language of arbitration proceedings shall be English.

44.3.2 There shall be a Board of three arbitrators, of whom each Party shall select one, and the third arbitrator shall be appointed by the two arbitrators so



selected, and in the event of disagreement between the two arbitrators, the appointment shall be made in accordance with the Rules.

- 44.3.3 The arbitrators shall make a reasoned award (the "Award"). Any Award made in any arbitration held pursuant to this Article 44 shall be final and binding on the Parties as from the date it is made, and the Concessionaire and the Authority agree and undertake to carry out such Award without delay.
- 44.3.4 The Concessionaire and the Authority agree that an Award may be enforced against the Concessionaire and/or the Authority, as the case may be, and their respective assets wherever situated.
- 44.3.5 This Agreement and the rights and obligations of the Parties shall remain in full force and effect, pending the Award in any arbitration proceedings hereunder.

# 44.4 Adjudication by Regulatory Authority or Commission

In the event of constitution of a statutory Regulatory Authority or Commission with powers to adjudicate upon disputes between the Concessionaire and the Authority, all Disputes arising after such constitution shall, instead of reference to arbitration under Clause 44.3, be adjudicated upon by such Regulatory Authority or Commission in accordance with the Applicable Law and all references to Dispute Resolution Procedure shall be construed accordingly. For the avoidance of doubt, the Parties hereto agree that the adjudication hereunder shall not be final and binding until an appeal against such adjudication has been decided by an appellate tribunal or High Court, as the case may be, or no such appeal has been preferred within the time specified in the Applicable Law.





# DISCLOSURE

# 45.1 Disclosure of Specified Documents

The Concessionaire shall make available for inspection by any person, copies of this Concession Agreement, the Maintenance Manual, the Maintenance Programme and the Maintenance Requirements (hereinafter collectively referred to as the "Specified Documents"), free of charge, during normal business hours on all working days at the Toll Plazas and Concessionaire's Registered Office. The Concessionaire shall prominently display at each of the Toll Plazas and toll booths, public notices stating the availability of the Specified Documents for such inspection, and shall provide copies of the same to any person upon payment of copying charges on a 'no profit no loss' basis.

# 45.2 Disclosure of Documents relating to safety

The Concessionaire shall make available for inspection by any person copies of all Documents and data relating to safety of the Project Highway, free of charge, during normal business hours on all working days, at the Concessionaire's Registered Office. The Concessionaire shall make copies of the same available to any person upon payment of copying charges on a 'no profit no loss' basis.

45.3 Notwithstanding the provisions of Clauses 45.1 and 45.2, the Authority shall be entitled to direct the Concessionaire, from time to time, to withhold the disclosure of Protected Documents (as defined hereinbelow) to any person in pursuance of the aforesaid Clauses.

# Explanation: •

The expression Protected Documents shall mean such of the Specified Documents or documents referred to in Clauses 45.1 and 45.2, or portions thereof, the disclosure of which the Authority is entitled to withhold under the provisions of the Right to Information Act, 2005.





# REDRESSAL OF PUBLIC GRIEVANCES

# 46.1 Complaints Register

- 46.1.1 The Concessionaire shall maintain a public relations office at each of the Toll Plazas where it shall keep a register (the "Complaint Register") open to public access at all times for recording of complaints by any person (the "Complainant"). Information relating to the availability of and access to the Complaint Register shall be prominently displayed by the Concessionaire at each Toll Plazas so as to bring it to the attention of all Users.
- 46.1.2 The Complaint Register shall be securely bound and each page thereof shall be duly numbered. It shall have appropriate columns including the complaint number, date, name and address of the Complainant, substance of the complaint and the action taken by the Concessionaire. Immediately after a complaint is registered, the Concessionaire shall give a receipt to the Complainant stating the date and complaint number.
- 46.1.3 Without prejudice to the provisions of Clauses 46.1.1 and 46.1.2, the Authority may, in consultation with the Concessionaire, specify the procedure for making complaints in electronic form and for responses thereto.

# 46.2 Redressal of complaints

- 46.2.1 The Concessionaire shall inspect the Complaint Register every day and take prompt and reasonable action for redressal of each complaint. The action taken shall be briefly noted in the Complaint Register and a reply stating the particulars thereof shall be sent by the Concessionaire to the Complainant under a certificate of posting.
- 46.2.2 Within 7 (seven) days of the close of each month, the Concessionaire shall send to the Authority and to the Independent Engineer a true photocopy each of all the pages of the Complaint Register on which any entry has been recorded during the course of such month, and upon perusal thereof, the Authority may, in its discretion, advise the Concessionaire to take such further action as the Authority may deem appropriate for a fair and just redressal of any grievance. The Concessionaire shall consider such advice and inform the Authority of its decision thereon, and if the Authority is of the opinion that the Complainant is entitled to further relief, it may refer the matter to the competent forum for its disposal under the Consumer Protection Act, 1986, and advise the Complainant to pursue the complaint at his own risk and cost.



# **MISCELLANEOUS**

### Governing law and jurisdiction 47.1

This Agreement shall be construed and interpreted in accordance with and governed by the laws of India, and the courts at Delhi shall have exclusive jurisdiction over matters arising out of or relating to this Agreement.

### 47.2 Waiver of immunity

Each Party unconditionally and irrevocably:

- agrees that the execution, delivery and performance by it of this (a) Agreement constitute commercial acts done and performed for commercial purpose;
- agrees that, should any proceedings be brought against it or its assets, (b) property or revenues in any jurisdiction in relation to this Agreement or any transaction contemplated by this Agreement, no immunity (whether by reason of sovereignty or otherwise) from such proceedings shall be claimed by or on behalf of the Party with respect to its assets;
- waives any right of immunity which it or its assets, property or (c) revenues now has, may acquire in the future or which may be attributed to it in any jurisdiction; and
- consents generally in respect of the enforcement of any judgement or award against it in any such proceedings to the giving of any relief or the issue of any process in any jurisdiction in connection with such proceedings (including the making, enforcement or execution against it or in respect of any assets, property or revenues whatsoever irrespective of their use or intended use of any order or judgement that may be made or given in connection therewith).

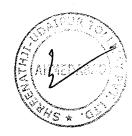
### 47.3 State Support Agreement



The Concessionaire acknowledges that it has received from the Authority a certified true copy of the agreement executed between MORTH and the State Government for providing the support and services specified therein (the "State Support Agreement"), and the Parties hereto agree to make their best endeavours to procure the support of the State Government.

### 47.4 **Depreciation and Interest**

47.4.1 For the purposes of depreciation under the Applicable Laws, the property representing the capital investment made by the Concessionaire in the Project shall be deemed to be acquired and owned by the Concessionaire 29



For the avoidance of doubt, the Authority shall not in any manner be liable in respect of any claims for depreciation to be made by the Concessionaire under the Applicable Laws.

47.4.2 Unless otherwise specified, any interest payable under this Agreement shall accrue on a daily outstanding basis and shall be compounded on the basis of quarterly rests.

### 47.5 Delayed payments

The Parties hereto agree that payments due from one Party to the other Party under the provisions of this Agreement shall be made within the period set forth therein, and if no such period is specified, within 30 (thirty) days of receiving a demand along with the necessary particulars. In the event of delay beyond such period, the defaulting Party shall pay interest for the period of delay calculated at a rate equal to 5% (five per cent) above the Bank Rate, and recovery thereof shall be without prejudice to the rights of the Parties under this Agreement including Termination thereof.

### Waiver 47.6

- 47.6.1 Waiver, including partial or conditional waiver, by either Party of any default by the other Party in the observance and performance of any provision of or obligations under this Agreement:
  - shall not operate or be construed as a waiver of any other or (a) subsequent default hereof or of other provisions of or obligations under this Agreement;
  - shall not be effective unless it is in writing and executed by a duly (b) authorised representative of the Party; and
  - shall not affect the validity or enforceability of this Agreement in any
- 47.6.2 Neither the failure by either Party to insist on any occasion upon the performance of the terms, conditions and provisions of this Agreement or any obligation thereunder nor time or other indulgence granted by a Party to the other Party shall be treated or deemed as waiver of such breach or acceptance of any variation or the relinquishment of any such right hereunder.

### 47.7 Liability for review of Documents and Drawings

Except to the extent expressly provided in this Agreement:

(a) no review, comment or approval by the Authority or the Independent Engineer of any Project Agreement, Document or Drawing submitted by the Concessionaire nor any observation or inspection of the construction, operation or maintenance of the Project Highway nor the failure to review, approve, comment, observe or inspect





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hereunder shall relieve or absolve the Concessionaire from its obligations, duties and liabilities under this Agreement, the Applicable Laws and Applicable Permits; and

(b) the Authority shall not be liable to the Concessionaire by reason of any review, comment, approval, observation or inspection referred to in Sub-clause (a) above.

# 47.8 Exclusion of implied warranties etc.

This Agreement expressly excludes any warranty, condition or other undertaking implied at law or by custom or otherwise arising out of any other agreement between the Parties or any representation by either Party not contained in a binding legal agreement executed by both Parties.

# 47.9 Survival

# 47.9.1 Termination shall:

- (a) not relieve the Concessionaire or the Authority, as the case may be, of any obligations hereunder which expressly or by implication survive Termination hereof; and
- (b) except as otherwise provided in any provision of this Agreement expressly limiting the liability of either Party, not relieve either Party of any obligations or liabilities for loss or damage to the other Party arising out of, or caused by, acts or omissions of such Party prior to the effectiveness of such Termination or arising out of such Termination.
- 47.9.2 All obligations surviving Termination shall only survive for a period of 3 (three) years following the date of such Termination.

# 47.10 Entire Agreement

This Agreement and the Schedules together constitute a complete and exclusive statement of the terms of the agreement between the Parties on the subject hereof, and no amendment or modification hereto shall be valid and effective unless such modification or amendment is agreed to in writing by the Parties and duly executed by persons especially empowered in this behalf by the respective Parties. All prior written or oral understandings, offers or other communications of every kind pertaining to this Agreement are abrogated and withdrawn. For the avoidance of doubt, the Parties hereto agree that any obligations of the Concessionaire arising from the Request for Qualification or Request for Proposals, as the case may be, shall be deemed to form part of this Agreement and treated as such.



# 47.11 Severability

If for any reason whatever, any provision of this Agreement is or becomes invalid, illegal or unenforceable or is declared by any court of competent



jurisdiction or any other instrumentality to be invalid, illegal or unenforceable, the validity, legality or enforceability of the remaining provisions shall not be affected in any manner, and the Parties will negotiate in good faith with a view to agreeing to one or more provisions which may be substituted for such invalid, unenforceable or illegal provisions, as nearly as is practicable to such invalid, illegal or unenforceable provision. Failure to agree upon any such provisions shall not be subject to the Dispute Resolution Procedure set forth under this Agreement or otherwise.

# 47.12 No partnership

This Agreement shall not be interpreted or construed to create an association, joint venture or partnership between the Parties, or to impose any partnership obligation or liability upon either Party, and neither Party shall have any right, power or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, the other Party.

# 47.13 Third parties

This Agreement is intended solely for the benefit of the Parties, and their respective successors and permitted assigns, and nothing in this Agreement shall be construed to create any duty to, standard of care with reference to, or any liability to, any person not a Party to this Agreement.

# 47.14 Successors and assigns

This Agreement shall be binding upon, and inure to the benefit of the Parties and their respective successors and permitted assigns.

# 47.15 Notices

Any notice or other communication to be given by any Party to the other Party under or in connection with the matters contemplated by this Agreement shall be in writing and shall:

- in the case of the Concessionaire, be given by facsimile or e-mail and by letter delivered by hand to the address given and marked for attention of the person set out below or to such other person as the Concessionaire may from time to time designate by notice to the Authority; provided that notices or other communications to be given to an address outside Delhi may, if they are subsequently confirmed by sending a copy thereof by registered acknowledgement due, air mail or by courier, be sent by facsimile or e-mail to the number as the Concessionaire may from time to time designate by notice to the Authority;
- (b) in the case of the Authority, be given by facsimile or e-mail and by letter delivered by hand and be addressed to the Chairman of the Authority with a copy delivered to the Authority Representative or such other person as the Authority may from time to time designate



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by notice to the Concessionaire; provided that if the Concessionaire does not have an office in Delhi it may send such notice by facsimile or e-mail and by registered acknowledgement due, air mail or by courier; and

(c) any notice or communication by a Party to the other Party, given in accordance herewith, shall be deemed to have been delivered when in the normal course of post it ought to have been delivered and in all other cases, it shall be deemed to have been delivered on the actual date and time of delivery; provided that in the case of facsimile or email, it shall be deemed to have been delivered on the working day following the date of its delivery.

# 47.16 Language

All notices required to be given by one Party to the other Party and all other communications, Documentation and proceedings which are in any way relevant to this Agreement shall be in writing and in English language.

# 47.17 Counterparts

This Agreement may be executed in two counterparts, each of which, when executed and delivered, shall constitute an original of this Agreement.





# DEFINITIONS

### **Definitions** 48.1

In this Agreement, the following words and expressions shall, unless repugnant to the context or meaning thereof, have the meaning hereinafter respectively assigned to them:

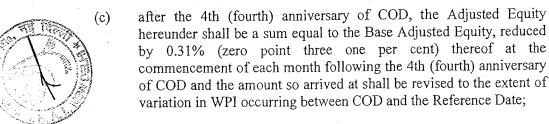
"Accounting Year" means the financial year commencing from the first day of April of any calendar year and ending on the thirty-first day of March of the next calendar year;

"Additional Facilities" means the facilities such as service stations, motels, restaurants, shopping areas and amusement parks which the Concessionaire may, in its discretion and subject to Applicable Laws, provide or procure for the benefit of the Users, and which are in addition to the Project Facilities, and not situated on the Site;

"Additional Tollway" shall have the meaning set forth in Clause 30.1.1;

"Adjusted Equity" means the Equity funded in Indian Rupees and adjusted on the first day of the current month (the "Reference Date"), in the manner set forth below, to reflect the change in its value on account of depreciation and variations in WPI, and for any Reference Date occurring:

- on or before COD, the Adjusted Equity shall be a sum equal to the Equity funded in Indian Rupees and expended on the Project, revised to the extent of one half of the variation in WPI occurring between the first day of the month of Appointed Date and the Reference Date;
- from COD and until the 4th (fourth) anniversary thereof, an amount (b) equal to the Adjusted Equity as on COD shall be deemed to be the base (the "Base Adjusted Equity") and the Adjusted Equity hereunder shall be a sum equal to the Base Adjusted Equity, revised at the commencement of each month following COD to the extent of variation in WPI occurring between COD and the Reference Date;



For the avoidance of doubt, the Adjusted Equity shall, in the event of Termination, be computed as on the Reference Date immediately preceding the Transfer Date; provided that no reduction in the Adjusted Equity shall be 134 made for a period equal to the duration, if any, for which the Concession



Period is extended, but the revision on account of WPI shall continue to be made;

"Affected Party" shall have the meaning set forth in Clause 34.1;

"Agreement" or "Concession Agreement" means this Agreement, its Recitals, the Schedules hereto and any amendments thereto made in accordance with the provisions contained in this Agreement;

"Appendix" shall have the meaning set forth in Clause 10.3.1;

"Applicable Laws" means all laws, brought into force and effect by GOI or the State Government including rules, regulations and notifications made thereunder, and judgements, decrees, injunctions, writs and orders of any court of record, applicable to this Agreement and the exercise, performance and discharge of the respective rights and obligations of the Parties hereunder, as may be in force and effect during the subsistence of this Agreement:

"Applicable Permits" means all clearances, licences, authorisations, no objection certificates, consents, approvals and exemptions required to be obtained or maintained under Applicable Laws in connection with the construction, operation and maintenance of the Project Highway during the subsistence of this Agreement;

"Appointed Date" means the date on which Financial Close is achieved or an earlier date that the Parties may by mutual consent determine, and shall be deemed to be the date of commencement of the Concession Period. For the avoidance of doubt, every Condition Precedent shall have been satisfied or waived prior to the Appointed Date and in the event all Conditions Precedent are not satisfied or waived, as the case may be, the Appointed Date shall be deemed to occur only when each and every Condition Precedent is either satisfied or waived, as the case may be;

"Arbitration Act" means the Arbitration and Conciliation Act, 1996 and shall include modifications to or any re-enactment thereof, as in force from time to time;

"Associate" or "Affiliate" means, in relation to either Party, a person who controls, is controlled by, or is under the common control with such Party (as used in this definition, the expression "control" means, with respect to a person which is a company or corporation, the ownership, directly or indirectly, of more than 50% (fifty per cent) of the voting shares of such person, and with respect to a person which is not a company or corporation, the power to direct the management and policies of such person, whether by operation of law or by contract or otherwise);

"Authority Default" shall have the meaning set forth in Clause 37.2.1;

"Authority Representative" means such person or persons as may be authorised in writing by the Authority to act on its behalf under this





Agreement and shall include any person or persons having authority to exercise any rights or perform and fulfil any obligations of the Authority under this Agreement;

"Average Daily Fee" means the amount arrived at after dividing the total Realisable Fee of the immediately preceding Accounting Year by 365 (three hundred and sixty five), and increasing the result thereof by 5% (five per cent);

provided that the Average Daily Fee for any period prior to completion of the first Accounting Year following COD shall be a simple average of the Fee collected every day during the period between COD and the last day of the month preceding the date on which the event requiring calculation hereof occurred, and in the event that the Fee payable by any segment of traffic has not been realised for any reason, an assessment thereof shall be made by the Independent Engineer to form part of the Average Daily Fee for such period;

"Bank" means a bank incorporated in India and having a minimum net worth of Rs. 1,000 crore (Rupees one thousand crore) or any other bank acceptable to Senior Lenders, but does not include a bank in which any Senior Lender has an interest;

"Bank Rate" means the rate of interest specified by the Reserve Bank of India from time to time in pursuance of section 49 of the Reserve Bank of India Act, 1934 or any replacement of such Bank Rate for the time being in effect;

"Bid" means the documents in their entirety comprised in the bid submitted by the selected bidder in response to the Request for Proposals in accordance with the provisions thereof;

"Bid Security" means the security provided by the Concessionaire to the Authority along with the Bid in a sum of Rs. 9.15 Crores (Rupees Nine Crores and Fifteen Lakhs Only), in accordance with the Request for Proposals, and which is to remain in force until substituted by the Performance Security;

"Bus" means any passenger motor vehicle with a registered carrying capacity exceeding 32 (thirty two), excluding the driver;

"COD" or "Commercial Operation Date" shall have the meaning set forth in Clause 15.1;

"Car" means and includes any mechanical vehicle being a light motor vehicle, car, jeep, van, omnibus, or three-wheeled motor vehicle with a Gross Vehicle Weight not exceeding 7,500 (seven thousand five hundred) kilograms or a registered carrying capacity not exceeding 12 (twelve), excluding the driver, but does not include a Motor Cycle, Tractor or road roller;

"Change in Law" means the occurrence of any of the following after the





# date of Bid:

- (a) the enactment of any new Indian law;
- (b) the repeal, modification or re-enactment of any existing Indian law;
- (c) the commencement of any Indian law which has not entered into effect until the date of Bid;
- (d) a change in the interpretation or application of any Indian law by a judgement of a court of record which has become final, conclusive and binding, as compared to such interpretation or application by a court of record prior to the date of Bid; or
- (e) any change in the rates of any of the Taxes that have a direct effect on the Project;

"Change in Ownership" means a transfer of the direct and/or indirect legal or beneficial ownership of any shares, or securities convertible into shares, that causes the aggregate holding of the selected bidder, together with its Associates, in the total Equity to decline below 51% (fifty one per cent) thereof during Construction Period and two years thereafter; provided that any material variation (as compared to the representations made by the Concessionaire during the bidding process for the purposes of meeting the minimum conditions of eligibility or for evaluation of its application or Bid, as the case may be,) in the proportion of the equity holding of the selected bidder to the total Equity, if it occurs prior to completion of a period two years after COD, shall constitute Change in Ownership;

"Change of Scope" shall have the meaning set forth in Clause 16.1;

"Company" means the company acting as the Concessionaire under this Agreement;

"Competing Road" means a road connecting the two end points of the Project Highway and serving as an alternative route thereof, such road being an existing paved road, which has been widened by more than 2 (two) metres of paved road for at least 75% (seventy five per cent) of the total length thereof at any time after the date of this Agreement, or a new road, which is constructed after such date, as the case may be, but does not include any road connecting the aforesaid two points if the length of such road exceeds the length of the Project Highway by 20% (twenty per cent) thereof;

"Completion Certificate" shall have the meaning set forth in Clause 14.2;

"Concession" shall have the meaning set forth in Clause 3.1.1;

"Concessionaire" shall have the meaning attributed thereto in the array of Parties hereinabove as set forth in the Recitals;

"Concession Fee" shall have the meaning set forth in Clause 26.1;

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"Concession Period" means the period starting on and from the Appointed Date and ending on the Transfer Date;

"Concessionaire Default" shall have the meaning set forth in Clause 37.1.1;

"Conditions Precedent" shall have the meaning set forth in Clause 4.1.1;

"Consortium" Deleted

"Consortium Member" Deleted

"Construction Period" means the period beginning from the Appointed Date and ending on the COD;

"Construction Works" means all works and things necessary to complete the Project Highway in accordance with this Agreement;

"Contractor" means the person of persons, as the case may be, with whom the Concessionaire has entered into any of the EPC Contract, the O&M Contract, the Tolling Contract or any other material agreement or contract for construction, operation and/or maintenance of the Project Highway or matters incidental thereto, but does not include a person who has entered into an agreement for providing financial assistance to the Concessionaire;

"Cure Period" means the period specified in this Agreement for curing any breach or default of any provision of this Agreement by the Party responsible for such breach or default and shall:

- (a) commence from the date on which a notice is delivered by one Party to the other Party asking the latter to cure the breach or default specified in such notice;
- (b) not relieve any Party from liability to pay Damages or compensation under the provisions of this Agreement; and
- (c) not in any way be extended by any period of Suspension under this Agreement; provided that if the cure of any breach by the Concessionaire requires any reasonable action by the Concessionaire that must be approved by the Authority or the Independent Engineer hereunder, the applicable Cure Period shall be extended by the period taken by the Authority or the Independent Engineer to accord their approval;

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"DBFOT" or "Design, Build, Finance, Operate and Transfer" shall have the meaning set forth in Recital (B);

"Damages" shall have the meaning set forth in Sub-clause (w) of Clause 1.2.1;

"Debt Due" means the aggregate of the following sums expressed in Indian Rupees outstanding on the Transfer Date: 138



- the principal amount of the debt provided by the Senior Lenders under the Financing Agreements for financing the Total Project Cost (the "principal") but excluding any part of the principal that had fallen due for repayment two years prior to the Transfer Date;
- (b) all accrued interest, financing fees and charges payable under the Financing Agreements on, or in respect of, the debt referred to in Sub-clause (a) above until the Transfer Date but excluding (i) any interest, fees or charges that had fallen due one year prior to the Transfer Date, (ii) any penal interest or charges payable under the Financing Agreements to any Senior Lender, and (iii) any prepayment charges in relation to accelerated repayment of debt except where such charges have arisen due to Authority Default; and
- (c) any Subordinated Debt which is included in the Financial Package and disbursed by lenders for financing the Total Project Cost;

provided that if all or any part of the Debt Due is convertible into Equity at the option of Senior Lenders and/or the Concessionaire, it shall for the purposes of this Agreement be deemed to be Debt Due even after such conversion and the principal thereof shall be dealt with as if such conversion had not been undertaken;

"Debt Service" means the sum of all payments on account of principal, interest, financing fees and charges due and payable in an Accounting Year to the Senior Lenders under the Financing Agreements;

"Development Period" means the period from the date of this Agreement until the Appointed Date;

"Dispute" shall have the meaning set forth in Clause 44.1.1;

"Dispute Resolution Procedure" means the procedure for resolution of Disputes set forth in Article 44;

"Divestment Requirements" means the obligations of the Concessionaire for and in respect of Termination as set forth in Clause 38.1;

"Document" or "Documentation" means documentation in printed or written form, or in tapes, discs, drawings, computer programmes, writings, reports, photographs, films, cassettes, or expressed in any other written, electronic, audio or visual form;

"Drawings" means all of the drawings, calculations and documents pertaining to the Project Highway as set forth in Schedule-H, and shall include 'as built' drawings of the Project Highway;

"EPC Contract" means the engineering, procurement and construction contract or contracts entered into by the Concessionaire with one or more Contractors for, inter alia, engineering and construction of the Project Highway in accordance with the provisions of this Agreement;



"EPC Contractor" means the person with whom the Concessionaire has entered into an EPC Contract;

"Emergency" means a condition or situation that is likely to endanger the security of the individuals on or about the Project Highway, including Users thereof, or which poses an immediate threat of material damage to any of the Project Assets;

"Encumbrances" means, in relation to the Project Highway, any encumbrances such as mortgage, charge, pledge, lien, hypothecation, security interest, assignment, privilege or priority of any kind having the effect of security or other such obligations, and shall include any designation of loss payees or beneficiaries or any similar arrangement under any insurance policy pertaining to the Project Highway, where applicable herein but excluding utilities referred to in Clause 11.1;

"Equity" means the sum expressed in Indian Rupees representing the paid up equity share capital of the Concessionaire for meeting the equity component of the Total Project Cost, and shall for the purposes of this Agreement include convertible instruments or other similar forms of capital, which shall compulsorily convert into equity share capital of the Company, and any interest-free funds advanced by any shareholder of the Company for meeting such equity component;

#### "Equity Support" Deleted

"Escrow Account" means an Account which the Concessionaire shall open and maintain with a Bank in which all inflows and outflows of cash on account of capital and revenue receipts and expenditures shall be credited and debited, as the case may be, in accordance with the provisions of this Agreement, and includes the Sub-Accounts of such Escrow Account;

"Escrow Agreement" shall have the meaning set forth in Clause 31.1.2;

"Escrow Bank" shall have the meaning set forth in Clause 31.1.1;

"Escrow Default" shall have the meaning set forth in Schedule-S:

"Exempted Vehicle" means a vehicle exempted from payment of Fee under and in accordance with the Fee Rules;

"Fee" means the charge levied on and payable for a vehicle using the Project Highway or a part thereof, in accordance with the Fee Rules and this Agreement;

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"Fee Notification" means the Notification to be issued by the Government, prior to the Appointed Date, in exercise of the powers conferred by Section 8A of the National Highways Act, 1956 read with Rule 3 of the National Highways Fee (Determination of Rates and Collection) Rules, 2008, read with National Highways Fee (Determination of Rates and Collection) Amendment Rules, 2010, National Highways Fee (Determination of Rates





and Collection) Amendment Rules, 2011 and National Highways Fee (Determination of Rates and Collection) Second Amendment Rules, 2011 in respect of the levy and collection of Fee during the Concession Period, substantially in the form at Schedule-R;

"Fee Rules" mean the National Highways Fee (Determination of Rates and Collection) Rules, 2008, read with National Highways Fee (Determination of Rates and Collection) Amendment Rules, 2010, National Highways Fee (Determination of Rates and Collection) Amendment Rules, 2011 and National Highways Fee (Determination of Rates and Collection) Second Amendment Rules, 2011;

"Financial Close" means the fulfilment of all conditions precedent to the initial availability of funds under the Financing Agreements;

"Financial Default" shall have the meaning set forth in Schedule-V;

"Financial Model" means the financial model adopted by Senior Lenders, setting forth the capital and operating costs of the Project and revenues therefrom on the basis of which financial viability of the Project has been determined by the Senior Lenders, and includes a description of the assumptions and parameters used for making calculations and projections therein;

"Financial Package" means the financing package indicating the total capital cost of Four-Laning and the means of financing thereof, as set forth in the Financial Model and approved by the Senior Lenders, and includes Equity, all financial assistance specified in the Financing Agreements, Subordinated Debt, if any;

"Financing Agreements" means the agreements executed by the Concessionaire in respect of financial assistance to be provided by the Senior Lenders by way of loans, guarantees, subscription to non-convertible debentures and other debt instruments including loan agreements, guarantees, notes, debentures, bonds and other debt instruments, security agreements, and other documents relating to the financing (including refinancing) of the Total Project Cost, and includes amendments or modifications made in accordance with Clause 5.2.2;

"Force Majeure" or "Force Majeure Event" shall have the meaning ascribed to it in Clause 34.1;

"Four-Laning" or "Four-Lane" means the construction and completion of all works included in or constituting a Four-lane Project Highway, as specified in Article 2 read with Schedule-B and Schedule-C;

"GOI" or "Government" means the Government of India;

"Good Industry Practice" means the practices, methods, techniques, designs, standards, skills, diligence, efficiency, reliability and prudence which are generally and reasonably expected from a reasonably skilled and experienced operator engaged in the same type of undertaking as envisaged under this Agreement and which would be expected to result in the



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performance of its obligations by the Concessionaire in accordance with this Agreement, Applicable Laws and Applicable Permits in reliable, safe, economical and efficient manner;

"Government Instrumentality" means any department, division or subdivision of the Government or the State Government and includes any commission, board, authority, agency or municipal and other local authority or statutory body including Panchayat under the control of the Government or the State Government, as the case may be, and having jurisdiction over all or any part of the Project Highway or the performance of all or any of the services or obligations of the Concessionaire under or pursuant to this Agreement;

"Grant" Deleted

"Gross Vehicle Weight" or "GVW" means in respect of any vehicle the total weight of the vehicle and load certified and registered under the Applicable Laws;

"Heavy construction machinery" or "Earth moving equipment" or "Multi-axle vehicle" means heavy construction machinery or earth moving equipment or mechanical vehicle including a multi axle vehicle with four to six axles or vehicle (inclusive of the axle of the trailer, if any) with a gross vehicle weight exceeding 25000 (twenty five thousand) kilogram but less than 60000 (sixty thousand) kilogram;

"IRC" means the Indian Roads Congress;

"Indemnified Party" means the Party entitled to the benefit of an indemnity pursuant to Article 42;

"Indemnifying Party" means the Party obligated to indemnify the other Party pursuant to Article 42;

"Independent Engineer" shall have the meaning set forth in Clause 23.1;

"Indirect Political Event" shall have the meaning set forth in Clause 34.3;

"Insurance Cover" means the aggregate of the maximum sums insured under the insurances taken out by the Concessionaire pursuant to Article 32, and includes all insurances required to be taken out by the Concessionaire under Clause 32.1 but not actually taken, and when used in the context of any act or event, it shall mean the aggregate of the maximum sums insured and payable or deemed to be insured and payable in relation to such act or event;

"Intellectual Property" means all patents, trade marks, service marks, logos, get-up, trade names, internet domain names, rights in designs, blue prints, programmes and manuals, drawings, copyright (including rights in computer software), database rights, semi-conductor, topography rights, utility models, rights in know-how and other intellectual property rights, in



each case whether registered or unregistered and including applications for registration, and all rights or forms of protection having equivalent or similar effect anywhere in the world;

"LOA" or "Letter of Award" means the letter of award referred to in Recital (E);

"Lead Member" Deleted

"Lenders' Representative" means the person duly authorised by the Senior Lenders to act for and on behalf of the Senior Lenders with regard to matters arising out of or in relation to this Agreement, and includes his successors, assigns and substitutes;

"Light Commercial Vehicle" or "LCV" means any mechanical vehicle being a passenger vehicle, minibus, light goods vehicle or goods carrier with a Gross Vehicle Weight exceeding 7,500 (seven thousand five hundred) kilograms but less than 12,000 (twelve thousand) kilograms or a registered passenger carrying capacity exceeding 12 (twelve) but less than 32 (thirty two), excluding the driver, and includes a Tractor with Trailer;

"Local User" means a person using a vehicle registered for non-commercial purposes and used as such for commuting on a section of the Project Highway, provided that (a) such vehicle is owned by a person who resides within a distance of 20 km (twenty kilometres) from the nearest Toll Plaza; (b) its use of such section of the Project Highway does not extend beyond a Toll Plaza other than such nearest Toll Plaza; and (c) such section of the Project Highway has no service road or alternative road; and shall include a vehicle that uses a section of the Project Highway but does not cross a Toll Plaza:

"MORTH" means the Ministry of Road Transport and Highways or any substitute thereof dealing with National Highways;

"Maintenance Manual" shall have the meaning ascribed to it in Clause 17.3:

"Maintenance Programme" shall have the meaning ascribed to it in Clause 17.4.1;

"Maintenance Requirements" shall have the meaning set forth in Clause 17.2;

"Material Adverse Effect" means a material adverse effect of any act or event on the ability of either Party to perform any of its obligations under and in accordance with the provisions of this Agreement and which act or event causes a material financial burden or loss to either Party;

"Medical Aid Post" shall have the meaning set forth in Clause 21.1;

"Motor Cycle" means and includes any two-wheeled motor vehicle;

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"Nominated Company" means a company selected by the Lenders' Representative and proposed to the Authority for substituting the Concessionaire in accordance with the provisions of the Substitution Agreement;

"Non-Political Event" shall have the meaning set forth in Clause 34.2;

"O&M" means the operation and maintenance of the Project Highway and includes all matters connected with or incidental to such operation and maintenance, provision of services and facilities, and collection of Fee in accordance with the provisions of this Agreement;

"O&M Contract" means the operation and maintenance contract that may be entered into between the Concessionaire and the O&M Contractor for performance of all or any of the O&M obligations;

"O&M Contractor" means the person, if any, with whom the Concessionaire has entered into an O&M Contract for discharging O&M obligations for and on behalf of the Concessionaire;

"O&M Expenses" means expenses incurred by or on behalf of the Concessionaire or by the Authority, as the case may be, for all O&M including (a) cost of salaries and other compensation to employees, (b) cost of materials, supplies, utilities and other services, (c) premia for insurance, (d) all taxes, duties, cess and fees due and payable for O&M, (e) all repair, replacement, reconstruction, reinstatement, improvement and maintenance costs, (f) payments required to be made under the O&M Contract, Tolling Contract or any other contract in connection with or incidental to O&M, and (g) all other expenditure required to be incurred under Applicable Laws, Applicable Permits or this Agreement;

"O&M Inspection Report" shall have the meaning set forth in Clause 19.2;

"O&M Support" Deleted

"Operation Period" means the period commencing from COD and ending on the Transfer Date;

"Oversized Vehicle" means any mechanical vehicle having 7 (seven) or more axles or a Gross Vehicle Weight exceeding 60,000 (sixty thousand) kilograms;

"PCU" shall have the meaning ascribed to a passenger car unit in the Indian Roads Congress Publication No. IRC-64, 1990 or any substitute or modification thereof, and when used in this Agreement, shall include only motorised vehicles liable to payment of user charges at the Toll Plazas in accordance with the Fee Rules and the Exempted Vehicles specified therein, but does not include Tractors, Motor Cycles and non-motorised vehicles;

"Panel of Chartered Accountants" shall have the meaning set forth in Clause 33.2.1;





"Parties" means the parties to this Agreement collectively and "Party" shall mean any of the parties to this Agreement individually;

"Performance Security" shall have the meaning set forth in Clause 9.1;

"Political Event" shall have the meaning set forth in Clause 34.4;

"Premium" shall have the meaning set forth in Clause 25.4;

"Project" means the construction, operation and maintenance of the Project Highway in accordance with the provisions of this Agreement, and includes all works, services and equipment relating to or in respect of the Scope of the Project;

"Project Agreements" means this Agreement, the Financing Agreements, EPC Contract, O&M Contract, Tolling Contract, and any other material agreements or contracts that may be entered into by the Concessionaire with any person in connection with matters relating to, arising out of or incidental to the Project, but does not include the Escrow Agreement, Substitution Agreement, or any agreement for procurement of goods and services involving a consideration of upto Rs.5(five) crore;

"Project Assets" means all physical and other assets relating to and forming part of the Site including (a) rights over the Site in the form of licence, Right of Way or otherwise; (b) tangible assets such as civil works and equipment including foundations, embankments, pavements, road surface, interchanges, bridges, culverts, road overbridges, drainage works, traffic signals, sign boards, kilometre-stones, toll plazas, electrical systems, communication systems, rest areas, relief centres, maintenance depots and administrative offices; (c) Project Facilities situated on the Site; (d) all rights of the Concessionaire under the Project Agreements; (e) financial assets, such as receivables, security deposits etc.; (f) insurance proceeds; and (g) Applicable Permits and authorisations relating to or in respect of the Project Highway, but does not include Additional Facilities;

"Project Completion Date" means the date on which the Completion Certificate or the Provisional Certificate, as the case may be, is issued under the provisions of Article 14;

"Project Completion Schedule" means the progressive Project Milestones set forth in Schedule-G for completion of the Project Highway on or before the Scheduled Four-Laning Completion Date;

"Project Facilities" means all the amenities and facilities situated on the Site, as described in Schedule-C;

"Project Highway" means the Site comprising the existing road comprising NH-8 from km 177.000 to km 260.100 and all Project Assets, and its subsequent development and augmentation in accordance with this Agreement;





"Project Milestones" means the project milestones set forth in Schedule-G;

"Provisional Certificate" shall have the meaning set forth in Clause 14.3;

"Punch List" shall have the meaning ascribed to it in Clause 14.3;

"RBI" means the Reserve Bank of India, as constituted and existing under the Reserve Bank of India Act, 1934, including any statutory modification or replacement thereof, and its successors;

"Re.", "Rs." or "Rupees" or "Indian Rupees" means the lawful currency of the Republic of India;

"Realisable Fee" means all the Fee due and realisable under this Agreement, but does not include fees that the Concessionaire has not been able to realise after due diligence and best efforts. For the avoidance of doubt, Realisable Fee shall, save as provided in Clause 26.5, be the amount so declared by the Concessionaire on the basis of its provisional accounts or the audited accounts, as the case may be, and in the event of a dispute thereto, the Dispute Resolution Procedure shall apply;

"Reference Exchange Rate" means, in respect of any one currency that is to be converted into another currency in accordance with the provisions of this Agreement, the exchange rate as of 12.00 (twelve) noon on the relevant date quoted in Delhi by the State Bank of India, and in the absence of such rate, the average of similar rates quoted in Delhi by the Bank of India and the Bank of Baroda;

"Request for Proposals" or "RFP" shall have the meaning set forth in Recital (D);

"Request for Qualification" or "RFQ" shall have the meaning set forth in Recital (C);

"Revenue Shortfall Loan" shall have the meaning set forth in Clause 28.1.1;

"Right of Way" means the constructive possession of the Site, together with all way leaves, easements, unrestricted access and other rights of way, howsoever described, necessary for construction, operation and maintenance of the Project Highway in accordance with this Agreement;

"Safety Consultant" shall have the meaning set forth in Clause 18.1.2;

"Safety Requirements" shall have the meaning set forth in Clause 18.1.1;

"Safety Fund" shall have the meaning set forth in Clause 18.2;

"Scheduled Four-Laning Date" shall have the meaning set forth in Clause 12.4.1;





#### "Scheduled Six-Laning Date" Deleted

"Scope of the Project" shall have the meaning set forth in Clause 2.1;

"Senior Lenders" means the financial institutions, banks, multilateral lending agencies, trusts, funds and agents or trustees of debenture holders, including their successors and assignees, who have agreed to guarantee or provide finance to the Concessionaire under any of the Financing Agreements for meeting all or any part of the Total Project Cost and who hold *pari passu* charge on the assets, rights, title and interests of the Concessionaire;

"Site" shall have the meaning set forth in Clause 10.1;

"Six-Laning" or "Six-Lane" Deleted

"Specifications and Standards" means the specifications and standards relating to the quality, quantity, capacity and other requirements for the Project Highway, as set forth in Schedule-D, and any modifications thereof, or additions thereto, as included in the design and engineering for the Project Highway submitted by the Concessionaire to, and expressly approved by, the Authority;

"State" means the State of Rajasthan and "State Government" means the government of that State;

"State Support Agreement" shall have the meaning set forth in Clause 47.3:

"Statutory Auditors" means a reputable firm of chartered accountants acting as the statutory auditors of the Concessionaire under the provisions of the Companies Act, 1956 including any statutory modification or reenactment thereof, for the time being in force, and appointed in accordance with Clause 33.2.1;

"Subordinated Debt" means the aggregate of the following sums expressed in Indian Rupees or in the currency of debt, as the case may be, outstanding as on the Transfer Date:

- (a) the principal amount of debt provided by lenders or the Concessionaire's shareholders for meeting the Total Project Cost and subordinated to the financial assistance provided by the Senior Lenders; and
- (b) all accrued interest on the debt referred to in Sub-clause (a) above but restricted to the lesser of actual interest rate and a rate equal to 5% (five per cent) above the Bank Rate in case of loans expressed in Indian Rupees and lesser of the actual interest rate and six-month LIBOR (London Inter Bank Offer Rate) plus 2% (two per cent) in 147 case of loans expressed in foreign currency, but does not include any





Four Laning of Gomati Chauraha – Udaipur section of NH-8 (from Km 177/000 to Km 260/100) in the 47 State of Rajasthan under NHDP Phase IV on Design, Build, Finance, Operate and Transfer (Toll) basis

interest that had fallen due one year prior to the Transfer Date;

provided that if all or any part of the Subordinated Debt is convertible into Equity at the option of the lenders and/or the Concessionaire's shareholders, it shall for the purposes of this Agreement be deemed to be Subordinated Debt even after such conversion and the principal thereof shall be dealt with as if such conversion had not been undertaken;

"Subsistence Revenue" means the total amount of Fee revenue that is required by the Concessionaire in an Accounting Year to meet the sum of (a) O&M Expenses, subject to an annual ceiling of 3% (three per cent) of the Total Project Cost, during the first Accounting Year after COD, to be revised. for each subsequent year to reflect the variations in WPI occurring between COD and commencement of such Accounting Year, and (b) Debt Service in such Accounting Year, but excluding any interest paid by the Authority under clause 34.7.2 or 35.2;

"Substitution Agreement" shall have the meaning set forth in Clause 40.3;

"Suspension" shall have the meaning set forth in Clause 36.1;

"Taxes" means any Indian taxes including excise duties, customs duties, value added tax, sales tax, local taxes, cess and any impost or surcharge of like nature (whether Central, State or local) on the goods, materials, equipment and services incorporated in and forming part of the Project Highway charged, levied or imposed by any Government Instrumentality, but excluding any interest, penalties and other sums in relation thereto imposed on any account whatsoever. For the avoidance of doubt, Taxes shall not include taxes on corporate income;

"Termination" means the expiry or termination of this Agreement and the Concession hereunder;

"Termination Notice" means the communication issued in accordance with this Agreement by one Party to the other Party terminating this Agreement:

"Termination Payment" means the amount payable by the Authority to the Concessionaire upon Termination and may consist of payments on account of and restricted to the Debt Due and Adjusted Equity, as the case may be, which form part of the Total Project Cost in accordance with the provisions of this Agreement; provided that the amount payable in respect of any Debt Due expressed in foreign currency shall be computed at the Reference Exchange Rate for conversion into the relevant foreign currency as on the date of Termination Payment. For the avoidance of doubt, it is agreed that within a period of 60 (sixty) days from COD, the Concessionaire shall notify to the Authority, the Total Project Cost as on COD and its disaggregation between Debt Due and Equity, and only the amounts so conveyed shall form the basis of computing Termination Payment, and it is further agreed that in the event such disaggregation is not notified to the Authority, Equity shall be deemed to be the amount arrived at by subtracting Debt Due from Total 48





Project Cost;

"Tests" means the tests set forth in Schedule-I to determine the completion of Four-Laning in accordance with the provisions of this Agreement

"Three-axle Vehicle" means any mechanical vehicles having three axles (inclusive of the axle of the trailer, if any) and with a gross vehicle weight, less than or equal to 25000 (twenty five thousand) kilograms;

"Toll Plaza" means the structures and barriers erected near each of the two ends of the Project Highway for the purpose of regulating the entry and exit of vehicles in accordance with the provisions of this Agreement and shall include all land, buildings, equipment, and other facilities required in accordance with or incidental to the provisions of this Agreement; provided that such Toll Plaza(s) shall not ordinarily be located within a distance of 10 (ten) kilometres from the limits of the municipal or local area of the nearest city or town respectively, as applicable on the date of this Agreement, and shall be situated at location(s) specified in the Bid or within a distance of 1 (one) kilometre thereof;

"Tolling Contract" means the contract, if any, entered into by the Concessionaire with the Tolling Contractor for collection of Fee for and on behalf of the Concessionaire and matters incidental thereto;

"Tolling Contractor" means the person, if any, with whom the Concessionaire has entered into a Tolling Contract;

"Total Project Cost" means the lowest of:

- (a) the capital cost of the Project, as set forth in the Financial Package;
- (b) the actual capital cost of the Project upon completion of Four-Laning of the Project Highway; and
- (c) a sum of Rs. 914.50 crore (Rupees Nine Hundred Fourteen Crores and Fifty Lakhs Only);

provided that in the event of Termination, the Total Project Cost shall be deemed to be modified to the extent of variation in WPI or Reference Exchange Rate occurring in respect of Adjusted Equity and Debt Due, as the case may be, in accordance with the provisions of this Agreement; provided further that in the event WPI increases, on an average, by more than 6% (six per cent) per annum for the period between the date hereof and COD, the Parties shall meet, as soon as reasonably practicable, and agree upon revision of the amount hereinbefore specified such that the effect of increase in WPI, in excess of such 6% (six per cent), is reflected in the Total Project Cost;

"Tractor" means a motor vehicle which is not itself constructed to carry any load other than the equipment used for the purpose of propulsion, but does not include a road roller; and "Tractor with Trailer" means a Tractor with an





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attached vehicle used for carrying goods;

"Traffic Aid Post" shall have the meaning set forth in Clause 20.2;

"Transfer Date" means the date on which this Agreement and the Concession hereunder expires pursuant to the provisions of this Agreement or is terminated by a Termination Notice;

"Truck" means any mechanical vehicle being a goods carrier with a Gross Vehicle Weight exceeding 12,000 (twelve thousand) kilograms, but less than 20,000 (twenty thousand) kilograms;

"User" means a person who travels or intends to travel on the Project Highway or any part thereof in/on any vehicle on payment of Fee or in accordance with the provisions of this Agreement and Applicable Laws;

"Vesting Certificate" shall have the meaning set forth in Clause 38.4; and

"WPI" means the Wholesale Price Index for all commodities as published by the Ministry of Industry, GOI and shall include any index which substitutes the WPI, and any reference to WPI shall, unless the context otherwise requires, be construed as a reference to the latest monthly WPI published no later than 30 (thirty) days prior to the date of consideration hereunder.





1,

IN WITNESS WHEREOF THE PARTIES HAVE EXECUTED AND DELIVERED THIS AGREEMENT AS OF THE DAY, MONTH AND YEAR FIRST ABOVE WRITTEN.

SIGNED, SEALED AND **DELIVERED** For and on behalf of THE NATIONAL HIGHWAYS AUTHORITY OF INDIA by:

SIGNED, SEALED AND **DELIVERED** For and on behalf of THE CONCESSIONAIRE by:

Name: L. P. Padhy

Designation: General Manager (Raj.) National Highways Authority of India G-5&6, Sector-10, Dwarka, New Delhi - 110075

Name: Vishnubhai M. Patel **Designation: Director** SHREENATHJI-UDAIPUR TOLLWAY

PRIVATE LIMITED "Sadbhav House" Opp Law Garden Police Chowki, Ellisbridge, Ahmedabad-380006,

THE **COMMON SEAL OF** CONCESSIONAIRE has been affixed pursuant to the resolution passed by the Board of Directors of the Concessionaire at its meeting held on the 31st day of March, 2012 hereunto affixed in the presence of Mr. Vishnubhai M. Patel, Director, who has signed these presents in token thereof and Mr. Vasisthakumar C. Patel, Director who has countersigned the same in token thereof:

In the presence of

1.

In the presence of:

Gujarat, India

(VASISTHA PATEL)

इसके साक्ष्यस्वरूप दोनों पक्षों ने इस करार को ऊपर लिखी तिथि, माह और वर्ष को निष्पादित किया और सुपुर्द किया ।

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण के लिए और की ओर से हस्ताक्षर करके, मुहर बंद करके सौंप दिया

द्वारा

(एल.पी. पाढ़ी) महाप्रबंधक (तकनीकी) भारतीय राष्ट्रीय राजमार

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण जी-5 और 6, सेक्टर - 10, द्वारका नई दिल्ली-110075

की उपस्थिति में :

2. Starmill-

श्रीनाथजी उदयपुर टोलवे प्राईवेट लिमिटेड, रियायतग्राही के लिए और की ओर से हस्ताक्षर करके, मुहर बंद करके सौंप दिया

द्वारा

(विष्णुभाई एम. पटेल)

निदेशक

श्रीनाथजी उदयपुर टोलवे प्राईवेट लिमिटेड,, सदभाव हाउस, ऑपोजिट लॉ गार्डन, पुलिस चौकी, एलिस व्रिज, अहमदाबाद—380006, गुजरात, भारत

रियायतग्राही के निदेषक मण्डल द्वारा दिनांक 31 मार्च, 2012 को हुई अपनी बैठक में परित किये गये संकल्प के अनुसरण में श्री विष्णुभाई एम. पटेल, निदेशक की उपस्थिति में इस पर रियायतग्राही की आम मोहर लगाई और उन्होंने टोकन के रुप में हस्ताक्षर किए और विशिष्ठकुमार सी. पटेल, निदेशक ने टोकन के रुप में इस पर अपने प्रतिहस्ताक्षर किए।

की उपस्थिति में

1.

(VASISTHA PATEL)

2.

पी. के. कारी)

# **SCHEDULES**





# SCHEDULE-A (See Clause 10.1)

#### SITE OF THE PROJECT

#### 1 The Site

- 1.1 Site of the Four-Lane Project Highway shall include the land, buildings, structures and road works as described in Annex-I of this Schedule-A.
- 1.2 An inventory of the Site including the land, buildings, structures, road works, trees and any other immovable property on, or attached to, the Site shall be prepared jointly by the Authority Representative and the Concessionaire, and such inventory shall form part of the memorandum referred to in Clause 10.3.1 of the Agreement.
- Additional land required for Toll Plazas, Traffic Aid Posts, Medical Aid Posts and Vehicle rescue posts or for construction of works specified in the Change of Scope Order issued under Clause 16.2.3 of this Agreement shall be acquired in accordance with the provisions of Clause 10.3.6 of this Agreement. Upon acquisition, such land shall form part of the Site and vest in the Authority.
- 2 Additional land for Six-Laning
- 2.1 Deleted
- 2.2 Deleted





#### Annex – I (Schedule-A) Site for Four/Six Laning

#### 1. Site

The Site of the Four-Lane divided Project Highway comprises the section of National Highway 8 commencing from Km 177/000 to Km 260/100 i.e. the Gomati Choraha to Udaipur section in the State of Rajasthan. The land, carriageway and structures comprising the Site are described below.

#### 2. Land

The Site of the Project Highway comprises the land described below and wherever Bypass/ major realignments have been proposed the existing ROW is nil.

Sr.		ROW Width
No.	Chainage	(m)
• 1	180/000	.60
2	180/500	.60
3	181/000	- 60
4	181/500	. 60
5	182/000	60
6	182/500	60
7	183/000	. 45
8.	183/500	45
9	184/000	45
10	184/500	45
11	185/000	45
12	185/500	45
13	186/000	45
:14	186/500	45
15	187/000	45
16	187/500	45
17	188/000	· 45
18	188/200	60
19	188/600	60
20	189/000	45
21	189/500	45
22	190/000	45
23.	190/500	45
24	191/000	45
25	191/500	45
26	192/000	45
27	192/500	45
28	193/000	45
29	193/500	45
30	194/000	45
31	194/500	45

Sr	Existing	ROW Width
No		(m)
52		45
_53		. 45
54	206/000	45
55	206/500	45
56	207/000	45
57	207/500	45
58	208/000	45
59	208/500	45
60	209/000	45
61	209/500	45
62	210/000	45
63	210/500	45
.64	211/000	45
65	211/500	45
66	212/000	45
67	212/500	45
68	213/000	45
69	213/500	45
70	214/000	45
71	214/500	45
72	215/000	45
73	215/500	45
74	216/000	45
75	216/500	45
76	217/000	45
77	217/500	45
78	218/000	45
79	. 218/500	45
80	219/000	45
81	219/500	45
82	220/000	45





Sr.	Existing	ROW Width
No.	Chainage	(m)
32	195/000	45
33	195/500	45
34	196/000	45
35	196/500	45
36	197/000	45
37	197/500	45
38	198/000	45
39	198/500	45
40	. 199/000	45
41	199/500	45
42	200/000	45
43	200/500	45 .
44	201/000	45
45	201/500	45
46	202/000	45
47	202/500	45
48	203/000	45
49	203/500	45
50	204/000	45
51	204/500	45

Sr/	Existing	ROW Width
No/	Chainage	(m)
83	220/500	45
84	221/000	45
85	221/500	45
86	222/000	45
87	222/500	45
88	223/000	45
89	223/500	45
90	224/000	45
91	224/500	45
92	225/000	45
93	225/500	45 .
94	226/000	45
95	226/500	45
96	. 227/000	45
97	227/500	45
98	228/000	. 45
99	228/500	45
100	229/000	45
101	229/500	45
102	230/000	45

#### 3. Carriageway

The present carriageway of the Project Highway is a 2-lane carriageway from km 177+000 to km 193/800, km 210/000 to km 221/300, km. 221/600 to km 260/100, 2-lane carriageway with paved shoulder from km 193/800 to km 204/600, km 205/100 to km 210/000, 4-lane from km 204/600 to km 205/100 and 4-lane divided from km 221/300 to km 221/600

#### 4. Major Bridges

The Site includes the following Major Bridges:

Sr. No.	Existing Chainage	Foundation	Type of	Structure	Span	Width
110.	(in km)	·	Super Structure	Sub Structure	Arrangement (No.x Length of Spans)	(m)
1	215/338	Open	RCC Girder	Stone Masonry	18 x 12.20	8.15
2	219/130	Open	RCC Girder	Stone Masonry	12 x 20.00	11.0





#### 5. Railway Over Bridges

The Site includes the following Railway Over Bridges:

Sr. No.	Chainage (in km)	Type of structure	No. of Spans	Width (in m)
<u> </u>		Nil		

#### 6. Grade Separators

The Site includes the following Grade Separators:

Sr.	Chainage	Type of structure	No. of Spans	Width (in m)
No.	(in km)			
· .		Nil .	· · · · · · · · · · · · · · · · · · ·	

#### 7. Minor Brides

The Site includes the following Minor Bridges:

SI.	Existing		ype of Structi	ire	T	S	oan	Width (m)
No.	Chainage	Foundation	Super	Sub	A	rran	gement	,
	(in km)		Structure	Structure	(1	Vo.x	Length	
· ·						of Sp	pans)	
1 .	178/500	Open	RCC Solid	Stone	2	х	3.50	8.00
	•		slab	Masonry				
.2	180/035	Open	RCC Solid	Stone	3	Х	6.90	· 8.40
			slab	Masonry	ĺ			. •
3	182/530	Open	RCC Solid	Stone	. 3	x	5.93	8.15
			slab	Masonry				
4	185/700	Open	Arch	Stone	5	X	9.00	9.35
• /		•		Masonry				
5	188/990	Open	RCC Solid	Stone	1	x	6.80	9.50
			slab	Masonry				
6	189/330	Open	RCC Solid	Stone	3	х	5.80	8.10
			slab	Masonry				
7	193/750	Open	RCC Solid	Stone	2	х	5.30	13.92
			slab	Masonry				
8	194/310	Open	RCC Solid	Stone	2	х	5.10	14.25
			slab	Masonry				
9	200/300	Open	RCC Solid	Stone	3	X	5.75	12.20
			slab	Masonry				
10	206/050	Open	RCC Solid	Stone	2	X	3.80	11.50
			slab	Masonry				[5]
11	207/150	Open	RCC Solid	Stone	5		3.50	8.40

slab



Masonry

SI.	Existing	Type of Structure Span		Width (m)				
No.	Chainage (in km)	Foundation	Super Structure	Sub Structure	(1)	lo.x	gement Length pans)	-
12	235/965	Open	RCC Solid	Stone Masonry	2	х	5.70	8.45
13	240/320	Open	RCC Solid slab	Stone Masonry	3	Х	8.74	9.10
14	244/226	Open	RCC Solid slab	Stone Masonry	3	Х	12.65	10.95

#### 8. Total number of structures

The total number of structures on the Site is noted below:

(a)	No. of Major Bridges		02 Nos.
(b)	No. of Railway Over Bridges	•	Nil
(c)	No. of Railway Under Bridges	~	Nil
(d)	No. of Grade Separators		Nil
(e)	No. of Minor Bridges	•	14 Nos.
(f)	No. of Vehicular and Non Vehicular Underpasses	_	Nil
(g)	No. of Box Culverts	÷	Nil
(h)	No. of Pipe Culverts	-	118 Nos.
(i)	No. of RCC Slab Culverts		128 Nos.
(j)	No of Arch Culvert	_	05 Nos.
(k)	No of Burried Culvert		21 Nos.

#### 9. Bus bays and Truck Lay byes

The total number of bus bays and truck lay byes on the Project Highway is noted below:

(a)	No. of Bus bays on LHS		_	Nil
(þ)	No. of Bus bays on RHS	7		Nil
(c)	No. of Truck lay-byes on LHS		· <u>-</u>	Nil
(d)	No. of Truck lay-byes on RHS		-	Nil

## 10. Permanent Bridge, Bypass or Tunnel costing Rs. 50 crore or more

The Site includes the following permanent bridge/ bypass/ tunnel which was constructed at the cost noted below:

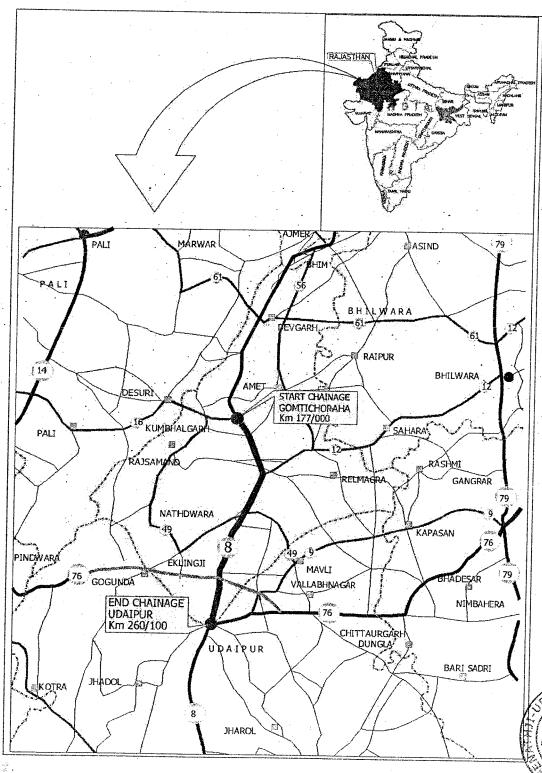


NIL



#### Appendix A-I

#### Index Map of Project Highway



Four Laning of Gomati Chauraha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100 158 in the State of Rajas. Son Design, Build, Finance, Operate and Transfer (Toll) Basis

Appendix A-II

Existing	Carriageway	Width
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	g Chainage		Width (m)	
From	То	Carriageway	Paved Shoulders	Earthen Shoulders
177/000	178/000	7.0	-	2x1.5
178/000	179/000	7.0	-	2x1.5
179/000	180/000	7.0		2x1.5
180/000	181/000	7.0	••	2x1.5
181/000	182/000	7.0	_	2x1.5
182/000	183/000	7.0	·-	2x1.5
183/000	184/000	7.0	_	2x1.5
184/000	185/000	7.0		2x1.5
185/000	186/000	7.0	· · ·	2x1.5
186/000	187/000	7.0	-	2x1.5
187/000	188/000	7.0		2x1.5
188/000	189/000	7.0		2x1.5
189/000	190/000	7.0		2x1.5
190/000	191/000	7.0		2x1.5
191/000	192/000	7.0		2x1.5
192/000	193/000	7.0	-	2x1.5
193/000	194/000	7.0	-	2x1.5
194/000	195/000	7.0	2x1.5	2x1.5
195/000	196/000	7.0	2x1.5	2x1.5
-196/000	197/000	. 7.0	2x1.5	2x1.5
197/000	198/000	7.0	2x1.5	2x1.5
198/000	199/000	7.0	2x1.5	2x1.5
199/000	200/000	7.0	2x1.5	2x1.5
200/000	201/000	7.0	2x1.5	2x1.5
201/000	202/000	7.0	2x1.5	2x1.5
202/000	203/000		2x1.5	2x1.5
203/000	204/650	7.0	2x1.5	2x1.5
204/650	205/100	2x7.0	-	2x1.5
205/100	206/000	7.0	2x1.5	2x1.5
206/000	207/000	7.0	2x1.5	2x1.5
207/000	208/000	7.0	2x1.5	2x1.5
208/000	209/000	7.0	2x1.5	2x1.5
209/000	210/000	7.0	2x1.5	2x1.5
210/000	211/000	7.0	-	2x1.5
211/000	212/000	7.0		2x1.5
212/000	213/000	7.0	-	2x1.5
213/000	214/000	7.0		2x1.5
214/000	215/000	7.0	_	2x1.5
215/000	216/000	7.0		2x1.5
216/000	217/000	7.0		2x1.5
217/000	218/000	7.0		2x1.5
218/000	219/000	7.0		2x1.5





	g Chainage		Width (m	)
From	To	Carriageway	Paved Shoulders	Earthen Shoulders
219/000	220/000	7.0	-	2x1.5
220/000	221/000	7.0	2x1.5	2x1.5
221/400	221/700	2x7.0		2x1.5
221/700	222/000	7.0	2x1.5	2x1.5
222/000	223/000	7.0		2x1.5
223/000	224/000	7.0	-	2x1.5
224/000	225/000	7.0	_	2x1.5
225/000	226/000	7.0	_	2x1.5
226/000	227/000	7.0		2x1.5
227/000	228/000	7.0	_	2x1.5
228/000	229/000	7.0	-	2x1.5
229/000	230/000	7.0		· 2x1.5
230/000	231/000	7.0	-	2x1.5
231/000	232/000	7.0		2x1.5
232/000	233/000	7.0		2x1.5
233/000	234/000	7.0		2x1.5
234/000	235/000	7.0		2x1.5
235/000	236/000	7.0	_	2x1.5
236/000	237/000	7.0.	_	2x1.5
237/000	238/000	7.0	*	2x1.5
238/000	-239/000	7.0	-	2x1.5
239/000	240/000	7.0		2x1.5
240/000	241/000	7.0	-	2x1.5
241/000	242/000	7.0		2x1.5
242/000	243/000	7.0		2x1.5
243/000	244/000	7.0		2x1.5
244/000	245/000	7.0	_ :	2x1.5
245/000	246/000	7.0	-	2x1.5
246/000	247/000	7.0		2x1.5
247/000	248/000	7.0	_	2x1.5
248/000	249/000	7.0		2x1.5
249/000	250/000	7.0	_	2x1.5
250/000	251/000	7.0	-	2x1.5
251/000	252/000	7.0		2x1.5
252/000	253/000	7.0	-	2x1.5
253/000	254/000	7.0		2x1.5
254/000	255/000	7.0		2x1.5
255/000	256/000	7.0	_	2x1.5
256/000	257/000	7.0		2x1.5
257/000	258/000	7.0	-	2x1.5
258/000	259/000	7.0	_	2x1.5
259/000	260/000	7.0	: -	
260/000	260/100	7.0		2x1.5



#### SCHEDULE - B

# (See Clause 2.1) DEVELOPMENT OF THE PROJECT HIGHWAY

#### 1. DEVELOPMENT OF THE PROJECT HIGHWAY

Development of the Project Highway shall include construction of the Project Highway as described in this Schedule-B and in Schedule-C.

#### 2. FOUR-LANING

- 2.1 Four Laning shall include construction of the Four Lane Project Highway as described in **Annex-I** of this **Schedule-B** and **Annex-I** of **Schedule-C**.
- 2.2 Four Laning shall be undertaken and completed by the Concessionaire in conformity with the Specifications and Standards set forth in Annex-I of Schedule-D.





#### ANNEX - I (Schedule - B)

#### Description of Four - Laning

#### Width of Carriageway

1.1 The Width of Carriageway shall be provided as per IRC:SP:84-2009, "Manual for four laning of National Highways through PPP" model. Different types of cross-section developed in different segment of the project length are illustrated in an indicative manner in Appendix B I, provided that the following sections of the project highway where carriageway width (excluding median width) shall be provided not less than as describe below:

The paved carriageway shall be 2x8.75 meters wide including the median side strip but excluding the median:

Provided that in the following stretches, the width of carriageway shall be:

Sr.	Name of Location	Design (	Design Chainage		
No.		From (Km)	To (Km)	Width (m)	
1	Chirwa Ghat Tunnel	251+955	252+405	2x11.50	
		<del></del>		1	

- 1.2 Except as otherwise provided in this Agreement, the width of the paved carriageway shall confirm to clause 1.1 above
- 2. Project Facilities

Project facilities shall be constructed in conformity with Annex-I of Schedule-C.

3. Specifications and Standards

The Project Highway shall be constructed in conformity with the Specifications and Standards specified in Annex-I of Schedule – D.

- 4. Other Features of Four Laning
- 4.1 Cross Sections

THE REPORT OF THE PARTY OF THE

The Project Highway shall be widened to four lane dual configuration with paved shoulder with or without Service Roads. A typical cross section along with different types of cross section required to be developed in different segments of the project highway are indicated in **Appendix BI**.

# 4.2 Alignment Plan and Longitudinal Section

An Alignment plan and Vertical Profile of the project highways is given at **Appendix BII**. The minimum FRL given in enclosed drawing shall have to be achieved by the Concessionaire. The Horizontal alignment geometry shall be as per the enclosed Alignment plan.

#### 4.3 Bypasses & Realignment

There is 1 (One) proposed section for bypass and 3 (Three) proposed section for realignments in the project highway. The details of bypass and realignments to be provided are given at **Appendix BIII**.

#### 4.4 Service Road

Service Roads shall be provided in lengths indicated in Appendix-BIV:

#### 4.5 Proposed Right of Way

The details of the Proposed ROW are given in Appendix BV.

#### 4.6 At Grade Intersection

At grade intersections shall be provided at the intersection of service roads and all intersecting roads at locations specified in Appendix B VII for major intersections and in Appendix B VII for minor intersections.

#### 4.7 Grade Separated Intersections

The grade separated intersections shall be as provided as given at Appendix B VIII.

#### 4.8 Underpasses

Vehicular underpass shall be provided at location given at Appendix B IX.

Pedestrian /Cattle underpass shall be provided at location given at Appendix B X.

#### 4.9 Major Bridges

Major bridges as listed in Appendix B XI shall be provided, widened, reconstructed or extended.



#### 4.10 Minor Bridges

Minor bridges as listed in Appendix BXII shall be provided, widened, reconstructed, or extended.

#### 4.11 Culverts

Culverts shall be provided, widened, reconstructed, or extended as listed in Appendix B XIII.

#### 4.12 New Elevated Flyover

Details of New Elevated Flyover to be provided are given at Appendix B XIV.

#### 4.13 Entry / Exit Ramps

Entry / exit ramps for the entering into or exiting from the project highway shall be provided wherever necessary.

#### 4.14. Tunnel

The provision of Tunnel having two nos. barrels with a length of 450m each on Chirwa Ghat has been made. Details given at Appendix B XV.

#### 4.15 Slope Protections

The side slope shall be protected by using suitable slope protection measures wherever required along the present highway.

#### 4.15 Utilities

Provision of accommodating utilities shall be made both over as well as underground wherever required.

#### 4.16 Rainwater Harvesting

As per Ministry of Environment and Forests Notification, New Delhi, dated 14.01.1997 (as amended on 13.01.1998, 05.01.1999 & 6.11.2000), the construction of Rain water, harvesting structure is mandatory in and around Water Crisis area, notified by the Central Ground Water Board.

#### 4.17 Built up / Urban Section

Details of Built up / Urban Section to be are given at Appendix B XVI.

#### 4.18 Stretches to be reconstructed due to Pavement condition

Details of Stretches to be reconstructed due to Pavement condition are given at Appendix B XVII.

# The existing and proposed Chainage details are as follows:

			7		9113.
	Sr		Existing		Design
	No	٠.	Chainag	e	Chainage
			(km)		(km)
			N	H	- 8
	_ 1		177/000		177+000
	2		178/000		177+560
	3		179/000		179+001
	4		180/000		180+009
	5 181/000		1	180+989	
	6		182/000	1	182+041
	7	1	183/000	1	182+996
-	8	7	184/000	7	102 990
	9	$\dagger$	185/000	$\dashv$	Realignment
	10	+	186/000	7	reamginitent
-	11	$\dagger$	187/000	+	186+245
-	12	$\dagger$	188/000	+	187+240
-	13	+	189/000	+	188+237
<b> </b>	14	+	190/000	+	189+238
-	15	+	191/000	+	190+212
ŀ	16	$\dagger$	192/000	+	191+214
+	17	+	193/000	+	192+225
F	18	+	194/000	+	193+221
F	19	1.	195/000	+	194+211
$\vdash$	20	+	196/000	+	195+220
`  -	21	$\dagger$	197/000	╁	196+219
-	22	-	198/000	+	197+207
-	23	H	199/000	+	198+208
-	24	-	200/000	╁	199+042
$\vdash$	<del>25</del>	-	201/000	$\vdash$	200+193
-	26	-	202/000	-	201+188
	<del>2</del> 7	H	203/000	-	202+178
	28		204/000	-	203+130
$\vdash$	29	-	205/000	-	204+127
	30	_	206/000	-	205+123
-	31		207/000	-	206+128
_	32		208/000		207+126
	33		209/000		
<b>}</b>	34		210/000		208+127
	35		211/000		209+126
-	36		212/000		210+126
	37		213/000		211+126
├─~	38		214/000		212+126
-	39	_	214/000		213+117
	10		216/000		214+125
	11	_	217/000		215+122 216+110
	- 1		.11000		2107110

	Si	r.	Existing		Design
	No	э.	Chainag		Chainage
			(km)		(km)
	42	_	218/000		217+126
	43		219/000		218+107
	44	ļ	220/000	-	219+114
	45	,	221/000		220+109
	46	,	222/000		220+918
	47		223/000		222+076
	.48		224/000		223+074
. [	49		225/000	1	224+028
	50		226/000	7	225+053
ſ	51	.	227/000	7	226+048
	52	1	228/000	7	227+043
	53	T	229/000	7	228+050
	54	T	230/000	1	229+041
	55	1	231/000	7	230+039
	56	T	232/000	1	231+042
	57		233/000	7	232+042
	58	T	234/000	1	233+041
Γ	59	T	235/000	1	234+040
	60	T	236/000	T	235+038
	61	1	237/000	T	236+036
	62		238/000	T	237+042
	63	T	239/000	$\top$	238+.041
	64	T	240/000		239+045
	65	T	241/000	1	*
	66	T	242/000	1	•
	67		243/000	1	
	68		244/000		
	69	T	245/000		•
	70	Γ	246/000	1	Bypass
_	71		247/000	] .	
	72		248/000		
	73		249/000		
	74		250/000		
	75		251/000		
	76		252/000	-	248+607
7	77		253/000		249+641
7	78		254/000		250+688
7	19		255/000		
8	0		256/000		Dealis
8	1	1	257/000		Realignment
8	2	1	258/000		
8	3	- 2	259/000		255+136
8	4	1	260/000		256+166
8	5	2	260/150		256+310
	-				







#### Appendix -BI

#### 1. Typical Cross Sections

Sr. No.	1	Chainage Km)	Length (Km)	TCS Type	
	From	То			
1	177+000	177+600	0.600	TS5	
2	177+600	178+441	0.841	TS4	
3	178+441	179+941	1.500	TS5	
4	179+941	180+341	0.400	TS4	
5	180+341	180+641	0.300	TS4	
6	. 180+641	181+341	0.700	TS5	
· 7	181+341	181+741	0.400	TS5	
. 8	181+741	182+141	0.400	·TS7	
9 .	182+141	182+741	0.600	·TS4	
10	182+741 .	183+100	0.359	TS4	
11	183+100	183+460.	0.360	TS3	
12	183+460	184+080	0.620	TS6A	
13	184+080	184+240	. 0.160	TS6	
14	184+240	184+480	0.240	TS6A	
15	184+480	184+930	0.450	TS6	
16	184+930 ·	185+140	0.210	TS6A	
17	185+140	186+293	1.153	TS3	
18	. 186+293	186+994	0.701	TS4	
19	186+994	187+494	. 0.50	Toll plaza	
20	187+494	188+794	1.300	TS4	
. 21	188+794	190+294	1.500	TS4	
22	190+294	191+193	0:899	TS3	
. 23	191+193	191+493	0.300	TS5 .	
- 24	191+493	191+793	0.300	TS5	
25	191+793	192+468	0.675	TS7·	
26	192+468	193+293	0.825	TS11	
27	193+293	193+618	0.325	TS7	
28	193+618	194+593	0.975	TS11	
29	194+593	198+693	4.100	TS7	
30A	198+693	199+900	1.207	TS7	
30B	199+900	200+250	0.350	TS9.	
30C	200+250	202+040	1.790	TS7	
30D	202+040	202+450	0.410	TS9	
30E	202+450	203+943	1.493	TS7	
31	203+943	205+393	1.450	TS11	
32	205+393	205+793	0.400	TS9	
33	205+793	207+793	2.00	TS8	
34	207+793	208+093	0.300	TS9	
35	208+093	208+993	0.900	TS11	





Sr. No.		Design Chainage (in Km)		TCS Type	
	From	To			
36	208+993	209+093	0.100	TS9	
37A	209+093	214+200	5.107	TS5	
37B	214+200	214+397	0.197	TS4	
37C .	214+397	214+617	0.220	TS18	
37D	214+617	214+743	0.126	TS4	
37E	214+743	216+193	1.450	TS5	
38	216+193	217+793	1.600	TS5	
39A	217+793	218+148	0.355	TS4	
39B	218+148	218+388	0.240	TS18	
39C	218+388	218+493	0.105	TS4 ,	
40	218+493	219+593	1.100	TS8	
41	. 219+593	219+765	0.172	TS7	
42	219+765	220+163	0.398	TS14	
43	220+163	220+983	0.820	TS15	
44	220+983	221+053	0.070	TS16	
45	221+053	221+543	0.490	TS13	
46	221+543	222+525	0.982	TS7	
47 .	222+525	223+025	0.500	TS11	
48	223+025	223+393	0.368	TS7	
49	223+393	223+993	0.600	TS3.	
50 .	223+993	224+288	0.295	TS4	
51	224+288	225+288	1.000	TS11 ·	
52	225+288	227+660	2.372	TS5	
53	227+660	229+110	1.450	TS5	
· 54	229+110 .	231+710	2.600	TS1 ·	
55	231+710	232+710	1.000	TS1.1	
- 56	232+710	233+910	1.200	TS1	
57	233+910	234+260	0.350	TS2	
58	234+260	235+510	1.250	TS1	
59 ·	235+510	237+610	2.100	TS1	
60	237+610	237+910	0.300	TS1	
61	237+910	238+460	0.550	Toll Plaza	
62	238+460	239+010	0.550	TS1	
63	239+010	240+760	1.750	TS6	
64	240+760	241+360	0.600	TS11	
65	241+360	241+510	0.150	TS6A	
66	241+510	241+661	0.151	TS6	
67	241+661	241+762	0.101	TS6A	
68	241+762	242+568	0.806	TS6	
69	242+568	242+668	0.100	TS6A	
70	242+668	243+569	0.901	TS6	
71	243+569	243+769	0.200	TS6A	
72	243+769	244+169	0.400	TS6	





Sr. No.		Chainage Km)	Length (Km)	TCS Type
1	From	To		
73	244+169	244+369	0.200	TS6A
74	244+369	244+669	0.300	TS6
75	244+669	244+819	0.150	TS6A
76	244+819	245+069	0.250	TS6
77 ·	245+069	245+169	0.100	TS6A
78	245+169	245+669	0.500	TS6
79	245+669	245+919	0.250	TS6A
80	245+919	246+019	0.100	TS6
. 81	246+019 .	247+519	1.500	TS6A
- 82	247+519	247+819	0.300	TS6
83	247+819	247+969	0.150	TS6A
84	247+969	248+219	0.250	TS6
85	248+219	248+436	0.217	TS4
86	248+436	250+344	1.908	TS4
87	250+344	250+915	0.571	TS4
88	250+915	251+966	1.040	TS6A
89	251+966	252+416	0.450	TS10
90	252+416	252+565	0.160	TS6A
91	252+565 .	254+065	1.500	TS6
92	254+065	254+415	0.350	TS6A
93	254+415	254+965	0.550	TS6
94	254+965	255+211	0.2460	TS6A
95	255+211	255+521	0.310	TS4
96	255+521	256+310	. 0.789	TS5
	Total		79.31	

Note: The proposed longitudinal drains at the stretches of TS8 and Median drain at Super elevated stretches shall be of RCC and remaining stretches shall be of Stone Masonry.





#### Appendix-B II

#### Alignment Plan and Longitudinal section

Alignment plan and Longitudinal section of project Highways are at Volume-III.





#### Appendix- B III

## Details of Bypasses / Realignment

#### 1. Bypasses

Sr.	Existing Chainage		Design Chainage		Length
No.	From	To	From	To	·
1	239/900	251/550	239+010	248+210	9.200

#### 2. Realignments

Sr. No.	Existing Ch	iainage (km)	Design Chainage (km)		Length (km)
	From	To	From	To	
1	183/730	186/950	183+350	186+200	2.850
2	191/090	191/900	190+295	191+255	0.960
3	200/650	201/000	199+900	200+250	0.350
4	202/950	203/360	202+040	202+450	0.410
5	222/100	221/600	221+017	221+517	0.500
. 6	254/700	258/850	251+500	254+975	3.475





#### Appendix- B IV

#### - Details of Service Roads

Sr. No.	1 - maning chaining		Design Chainage (km)		Length (km)	Width (m)	Side	C/s Type
	From	To	From	To	()	()		
1	181/760	182/341	181+741	182+141	0.400	7.0	Both	
2	192/579	206/673	191+793	205+793	14.000	7.0	Both	
3	208/672	209/968	207+793	209+093	1.300	7.0	Both	<u> </u>
4	220/500	222/100	219+593	221+053	1.460	7.0	Both	
5	222/600	223/300	221+543	223+393	1850	7.0	Both	
6	225/228	226/235	224+288	225+288	1.000	7.0	Both	
7	232/805	233/667	231+710	232+710	1.000	7.0	Both	
8	In By	pass	240+760	241+360	0.600	7.0	Both	
	Total						2011	

The total length of Service Road is 2X 21.61 = 43.22 Km.

#### **Details of Slip Roads**

Sr.	Existing Chainage (km) Design Chainage (kn				Length	Width	Side	C/s
No.	From	To	From	To	(km)	(m)		Type
1	In Junction a	t km 260/100	0+000	0+735	0.735	7.0	LHS	TS17
2 .	In Junction at km 260/100		0+000	0+350	0.350	7.0	RHS	TS17
L		Total			1.085			

The total length of Slip Road is 1.085 km.





#### Appendix B V

## Details of Proposed ROW

Sr.	Design Chainage (km)		Proposed	Remarks		
No.			ROW (m)			
	From	To	1			
1	177+000	180+000	45			
2	180+000	182+500	60			
3	182+500	186+994	45			
4 .	186+994	187+494	100	Toll plaza		
5.	187+494	187+845	- 60			
6 .	187+845	191+893	45			
· 7·	191+893	203+708	60			
8 .	203+708	203+867	50	Forest Block		
9	203+867	209+093	60			
10	209+093	219+893	45			
. 11	219+893	221+493	50	Forest Block		
12 .	221+493	237+910	45			
13	237+910	238+460	100	Toll plaza		
14	238+460	245+7,14.	60			
15.	245+714	247+464	- 80			
16	247+464	251+595	. 60			
17	251+595	252+775	100	Tunnel including approaches + Forest Block		
18	252+775	253+565	50	Forest Block		
19	253+565	256+310	60			





#### Appendix - BVI

## Major Intersections (At Grade)

Sr. No.	Existing Chainage	Design Chainage	Category of Road	Type of Junction	Remarks
	(km)	(km)			
1	177/060	177+059	SH-16	T-Junction	
2	183/825	183+800	Existing NH	T-Junction	
3	186/810	186+050	Existing NH	Y-Junction	
.4	204/810	203+922	ODR	T-Junction	
5	209/600	· 208+693	SH-12	T-Junction	
6	220/350	219+393	MDR	T-Junction	
7	221/800	220+693.	Nathdwara Jn.	T-Junction	
8	223/100	222+143	ODR	Cross-junction	
9 .	225/800	224+793	SH-49	Cross-junction	Proposed NH
10	240/200	239+210	Existing NH	T-Junction	1
11	251/400	248+010	Existing NH	T-Junction	
12	254/775	251+495	Existing NH	T-Junction	7
13	258/825	254+985	Existing NH	T-Junction	
14	260/100	256+310	NH76	+-Junction	

Note: Scope of work includes the necessary engineering design as per requirements at the proposed junctions.





#### Appendix - BVII

#### **Minor Junctions**

Sr.	Existing	Design	Side	Carriageway	Category	Type of
No.	Chainage (km)	Chainage (km)	(Left /	width (m)		Junction
	-		Right)			
1	177/548	177+548	LHS	3.5	BT Road	Y Y
2	180/800	180+851	LHS	3.5	Dhanin	T.
	-				Chauraha	
3	180/325	181+317	RHS	3.5	To Sambadhi	T
4	. 183/628	183+624	LHS	3.5	Mojabato ka	Y.
		·			Guda	
5	· Realignment	184+867	RHS	3.5	Mud Road	Т
6	Realignment	184+867	LHS	3.5	Vaniya Tukla	Y
7	189/300	188+544	LHS	3.5	To Marble	T
				:	Factory	
8	189/845	189+057	RHS	3.5	ATMA Madri	Y
9	190/093	190+301	LHS -	3.5	Miyaki	. Y
10	192/377	191+618	LHS	7	Devpura	T
11	193/617	192+804	Cross	3.5	L- Amet	+ ,
					R-Mud Road	·
12	194/964	194+184	Cross	. 7	L- BT Road	+
		•			R-CC	
13	. 195/123	194+338	Cross	3.5 ·		+
14	195/492	194+644	RHS	3.5		T
15	195/680	194+883	RHS	3.5	BT Road	Ý.
16	195/692	194+917	LHS	3.5	BSNL Tower	T
17	195/795	194+993	RHS .	3.5	Mud Road	T
18	195/995	195+205	LHS	3.5	Mokhampura	T
19	196/858	196+058	LHS	3.5	Vikas Marble	T
20	197/054	196+326	LHS	3.5	Mokhampura	T
21	197/304	196+525	RHS	3.5	BT Road	Y
22	197/620	196+765	LHS	3.5	Mud Road	Y
23	197/987	197+093	RHS	3.5	-	T
24	198/650	197+846	LHS	3.5	Associate	T
					Marble	.
					Granite	
25	198/828	198+040	LHS	3.5	-	T
26	199/391	198+598	RHS	3.5	CC Road	T A
27	199/760	198+805	LHS	3.5	Tasole	T
28	200/257	199+297	LHS	3.5	CC Road	T\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\



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Sr.	Existing	Design	Side	Carriageway	Category	Type of
No.	Chainage (km)	1	(Left/	width (m)		Junction
			Right)			
29	200/920	200+090	LHS	3.5	Factory	T
30	202/420	201+615	LHS	3.5	CC Road	Y
31	204/932	204+055	LHS	3.5	Kakroli	T
32	204/936	204+059	RHS	3.5	Sanwad	T
33	205/250	204+441	LHS	3.5	Rajnagar –	Y
					Kelwada	
34	205/300	204+481	RHS	3.5	Sohwada	T
35	205/386	204+493	RHS	3.5	Rajnagar –	Y
					Kelwada	
36	205/450	204+587	LHS	3.5	BT Road	T
· 37	205/550	· 204+678	LHS	3.5	Rajnagar	T
38	205/690	204+813	LHS	3.5	Kakroli	T
- 39	205/708	204+831	RHS	3.5	BT	T
40	206/730	205+873	RHS	3.5	BT	T
41	206/973	206+077	RHS	3.5	BT	T
42	207/094	206+223	RHS	3.5	Sundarchar	Y
43	207/220	206+344	LHS	3.5	Mahadev	T
					Mandir	
.44	207/285	206+398	LHS	3.5	Devthadi	T :
45	208/380	207+509	RHS	3.5	College	T :
46	208/560	207+677	RHS	3.5	Police Line	Ŷ
47	208/775	207+893	RHS	3.5	· Police Line	Т
48	208/950	208+108	LHS	3.5	Bhilwara	T
49	210/603	209+691	RHS	3.5	CC Temple	T
50	211/146	210+241	RHS	3.5	Farara	Y
51	214/210	211+195	Cross	3.5	CC	. +
52	216/180	213+328	Cross	3.5	Badarada	+
53	216/328	215+304	RHS	5	Nandadi	Y
54	216/400	215+450	LHS	5	Kothalira	Y
55	216/500	215+607	LHS	5	Helipad	T
56	220/550	219+693	RHS	4	Nathdwara	T
57	220/750	219+893	LHS	7	BT	T
58	221/055	220+163	RHS	5	BT	T
59	222/435	221+343	RHS	6	BT	T
60	223/700	222+793	RHS	4	BT	Y
61	229/280	228+290	LHS	3.5	BT	T
62	230/667	229+690	RHS	3.5	BT	T
63	231/690	230+710	RHS	3.5	BT	T



Sr. No.	Existing Chainage (km)	Design Chainage (km)	Side (Left / Right)	Carriageway width (m)	Category	Type of Junction
64	233/085	232+135	Cross	3.5	Ghodagadi- Rashvi	+
65	236/800	235+820	LHS	3.5	BT	Т
<i>,</i> 66	237/467	236+510	RHS	3.5	Negariya	T.
67	238/300	237+325	RHS	3.5	Nallaki	T
68	In Bypass	247+569	Cross	3.5	BT	+
69	Chirwa Ghat	251+465	RHS	7	BT	T





### National Highways Authority of India

Details of Proposed Grade Separated Intersections

#### Appendix - BVIII

Request for Proposal – Bid Document Volume-III: Schedules

A. Construction of New Flyovers

th of				
Proposed Total Width of the structure (m)	2 × 15.50	2 x 15.50	2 × 15.50	1 x 15.50
Proposed Span Arrangement (Nos x Length (m))	2 x 20 + 1 x 40	2 x 20 +	1 x 40	2 x 20 + 1 x 40
Proposed Structural Type	RCC T Beam & Slab + PSC Box Type	RCC T Beam & Slab + PSC Box Type	PSC Box Type	RCC T Beam & Slab + PSC Box Type
Proposed structural configuration	New 6 Lane	New 6 Lane	New 6 Lane	New 3 Lane
Name of Inter Secting Roads	MDR	Mines road	(Bypass) city road	SH 12
Design Chainage (in km)	192+819	194+196	204+653	208+690
Existing Chainage (in km)	193/000 194/000	194/40 – 195/200	205/000 - 206/200	208/900-210/200
Location	Kelwa Marble cutter factories	Kelwa Marble cutter factories	To Kakroli (Collectorate office)	Bhilwara
No.	<del></del>	7	m ·	4

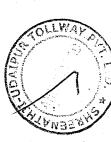
verpass
$\sim$
of New
0
Construction
В.

Proposed Total Width of the structure (m)	1 x 12.00
Proposed Span Arrangement (Nos x Length (m))	1 x 30
Proposed Structural Type	PSCT Beam & Slab
Proposed structural configuration	New 2 Lane
Name of InterSecting Roads	Service road at Nathdwara town Crossing NH-8
Design Chainage (in km)	
Existing Chainage (in km)	222/600
Location	222/600 221+580
Sr. No.	

lyote: Schematic drawing of the Overpass is shown in Figure 1 for reference.



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## National Highways Authority of India

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Appendix-BIX

# Details of Proposed Vehicular Underpasses

ig a	~ ·	T				1	-		T
Proposed Total	or acture (m)	23.50	5	73 50	00.07	23.50	0		23.50
Proposed Span Arrangement (Nos x Lenoth (m))	(m) maguar =	2 x 10		2 x 10		1 x 11			1 x 11
Proposed Structural Type		RCC Box		RCC Box		RCC Box			RCC Box
Proposed structural configuration		New 4 Lane		New 4 Lane		New 4 Lane		X V - 14	new 4 Lane
Name of Intersecting Road	To Mathdings & Cont Call	to mainth and & done college	-     -	Haldigati road		Ghoda	gnati Junction		
Design Chainage (in km)	222+803		204+708	06/11/77	3011050	6517767		241+133	
Existing Chainage (in km)	223+700		225/740		233/043		- 4	Delwara-Eklinji Bypass	
Sr.		+	7		رب 		-	<b>4</b>	





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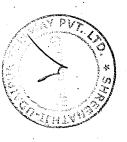
Four Laning of Comati Chauraha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Devign, Build, Finance, Operate and Transfer (Toll) Basis

Details of Proposed Cattle Underpasses

Appendix-BX

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				·
Proposed Total Width of the structure (m)	22.50	22.50	22.50	22.50
Proposed Span Arrangement (Nos x Length x Vertical Clearance (m))	1 x 8.0 x 7.0	1 x 8.0 x 7.0	1 x 8.0 x 7.0	1 x 8.0 x 7.0
Proposed Structural Type	RCC Box	RCC Box	RCC Box	RCC Box
Proposed structural configuration	New 4 Lane	New 4 Lane	New 4 Lane	New 4 Lane
Name of Intersecting Road	1	1	•	1
Design Chainage (in km)	252+640	252+700	253+625	254+525
Existing Chainage (in km)	Chirwa Realignment			•
Zo.		C1 ·	m	4





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Four Laning of Comuti Chauraha — Udaipur Section of NH-8 from Km 177.0 to Km 260,100 in the State of Rejeasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis

Appendix-BXI

#### B-2

# Details of new Major Bridge and Rehabilitation / Repair / widening Scheme for Existing Major Bridges

## A 1 Construction of New Major Bridges \*

The following Major Bridges shall be constructed.

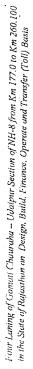
Proposed Total Width of the structure (m)	1 x 15.50	1 x 15.50
Proposed Span Arrangement * (Nos x Length (m))	18 x 12.20	12 x 20.00
Proposed Structural Type	New 3 Lane RCC T Beam & Slab	New 3 Lane RCC T Beam & Slab
Proposed structural configuration	New 3 Lane	New 3 Lane
Type of Crossing	River	River
Design Chainage (in km)	214+507	218+268
Existing Chainage (in km)	215/338	219/130
New Bridge No.		
Name of Bridge	Khari River	Banas River
Sr. No.	-	2

\*The proposed span arrangement is tentative and the same shall be finalized in consultation with IC. Any change in span arrangement shall not be treated as change in scope of work.





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# Rehabilitation / Repair / Widening of Existing Major Bridges

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The following Major bridges shall be Rehabilitated / Repaired.

	Details of Widening	Widening	no more de la composition della composition dell	. 44 J. (18 12 17 18 18 18 18 18 18 18 18 18 18 18 18 18	e english peri	100	Widening	quired				
5	V Set						Wide	not Required		,		
Defails of Robobilitation *	Coming of Avenabilitation	Existing wearing coat to be removed and new bituminous WC shall he	laid.  Existing drainage spout shall be	Existing bearing shall be replaced. Spalled concrete shall be repaired	with PMC. Replace existing railing with crash barrier	Remove vegetation from the vent	Existing wearing coat to be removed	bituminous WC shall	Existing drainage spout shall be replaced.	Existing bearing shall be replaced. Spalled concrete shall be repaired with PMC.	Replace existing railing with crash barrier.	* Remove vegetation from the vent
	l e	-					-		•	* *		<u> </u>
ıcture	Super Structure	RCC			٠.		RCC	Cirder			-	
Type of Existing Structure	Sub Structure	Stone					Stone	iiiasoiiai y				
. Type of	Foundation	Open		•			Open		V			
Total	Length (m)	219.6					240					
range	nt s x (m)*	12.20			·		20:00					
Span Arrange	ment (Nos x Length(m)*	× 8:					12 x					
XX: 341	w lath (m)	8.15	,				11.00	:				
Jesigii J	(in km)	214+507				0,0.010	718+708					7,3000
2 4 C	(in km)	215/338			P. P	001/010	213/130	:				hange in the
J.	Bridge	Khari River				Banac	River			<u>.</u>	•	*
S S						C	1					

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#### Appendix-BXII

Details of new Minor Bridge and Rehabilitation / Repair / widening Scheme for Existing Minor Bridges

## A. Construction of New Minor Bridges

The following New Minor Bridges shall be constructed.

****	Proposed Total	Width of the	structure (m)	- 12	2 x 12.00	44.5		2 x 12.00		2 x 12.00		2 x 12.00	2 x 12.00
	Proposed Span	Arrangement *	(Nos x Length	(m)	3 x 9.00			3 x 9.00		5 x 9.00		2 x 20.00	1 x 8.0 x 7.0
	Proposed Structural	Type			RCC Solid Slab	•		RCC Solid Slab		RCC Solid Slab		RCC Solid Slab	RCC Box
,	Proposed	structural	configuration		New 4 Lane			New 4 Lane		New 4 Lane		New 4 Lane	New 4 Lane
	Type of	Crossing			· River	•	. •	River		River		River	Nala
	Design	Chainage	(in km)		184:+200		•	239+626		240+725		245+329	254+875
	Existing	Chainage (in	km)		New Bridge for	Parasali	Realignment	New Bridges For	Delwara	And Aklingi	Bypass		•
4	New Bridge	No.					***						
- 1	Z,	Bridge				-						-	
	۲. در	Zo.		*:	-			7		w		4	5

\*The proposed span arrangement is tentative and the same shall be finalized in consultation with IC. Any change in span arrangement shall not be treated as change in scope of work.



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Four Laning of Comati C'hauraha — Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis

## Re-construction of Existing Minor Bridges

B.

National Highways Authority of India

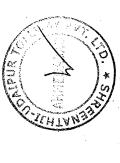
The following Minor Bridges shall be Re-constructed.

jo		Γ		Τ		T	-
Proposed Span Proposed Total Width of Arrangement * the structure (m)		2 x 12.00		2 x 12.00		2 x 12.00	
Arrangement * (Nos x Length	(m))	5 x 9.00		2 x 5.30		2 x 3.80	
Proposed Structural Type		RCC Solid Slab		RCC Solid Slab		RCC Solid Slab	
Proposed structural configuration		New 4 Lane		New 4 Lane	-1	New 4 Lane	
Type of Crossing	Denoted I. D.	rafasali Kiver		River		Kiver	
Design Chainage (in km)	185-700	06/1001		192+945	2051157	ZUJ+133	
Existing Chainage (in km)	185/700	00/1001	020,000	193//50	050/906	050/007	
New Bridge No.							4
Sr. Name of No. the Bridge				,			-
Sr.	_		C	4	m		Ę

The proposed span arrangement is tentative and the same shall be finalized in consultation with IC. Any change in span arrangement shall not be treated as change in scope of work.



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Four Laning of Gomatt Chauraha — Udaipur Section of NH-8 from Km 177,0 to Km 260,100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis

# C. Construction of New Service Road Minor Bridges

National Highways Authority of India

The following New Service Road Minor Bridges shall be constructed.

Proposed Total Width of the structure (m)	2 x 10 20	04:01:01	2 x 10 20		2 x 10 20		2.× 10.20	27:01 4 7
Arrangement * (Nos x Length	$\frac{2}{x} \times 530$		$2 \times 5.10$		3 x 5.75		. 2 x 3.80	
Proposed Structural Type	RCC Solid Slab		RCC Solid Slab	٠	RCC Solid Slab		RCC Solid Slab	
Location	New 2 Lane +2 lane bridge on	both side Service Road	n	both side Service Road	New 2 Lane +2 lane bridge on	both side Service Road	New 2 Lane +2 lane bridge on	both side Service Road
Design Chainage (in km)	192+945		193+538	,	199+489		205+153	
Existing Chainage (in km)	193/750		194/310		200/435		206/050	
New Bridge No.								
Name of the Bridge								
Sr. I	<del></del>	.	2,		. 7		m	

\*The proposed span arrangement is tentative and the same shall be finalized in consultation with IC. Any change in span arrangement shall not be treated as change in scope of work.





Four Laning of Comuti Chauraha – Udaipur Section of NH-8 from Km 177.0 to Km 260,100 in the State of Rajasthan on Destgn, Build, Finance, Operate and Transfer (Toll) Basis

# D. Rehabilitation / Repair / Widening of Existing Minor Bridges

National Highways Authority of India

The following minor bridges shall be Rehabilitated / Repaired / Widened.

-											·														
Datails of	Details of	Widening			Dwinting	bridge shall be	widened to	accommodate	4 Lane	configuration	i.e. 2 x 12.00	H			Existing	bridge shall be	widened to	accommodate	4 Lane	configuration	i.e. 2 x 12.00	Е			
Details of Rehabilitation *				•	Existing wearing cost to	be removed and new	bituminous WC shall be	laid.	Existing drainage spout		Spalled concrete shall be	repaired with PMC.	Remove vegetation from	the vent way.	Existing wearing coat to	be removed and new	bituminous WC shall be	laid.	Existing drainage spout	shall be replaced.	Spalled concrete shall be	repaired with PMC.	Remove vegetation from	the vent way.	
ucture	Sunar	structure			RCC	Solid Slab		<del>-, ·</del>		-					RCC .	Solid Slab		•		•	•	•	*		
Type of Existing Structure	Sub	Structure			Stone	masonary	•						-		Stone	masonary	-						<del></del> :		
Type of	Foundation				Open	-									Open									-	
lotal	Length.	(m)			7.00					-				- 6	20.70							,		•	
Span	Arrange	ment	x sou)	ength(	2 x 3.50				•		- 1		•		06.90 x c										
Sanctage	Width	(m)			8.00				-					$\dagger$	0.40										
	<del>ا</del>	(in km)	•	170 461	1/8+421									180+048	0 + 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -					-		-			
٥ -		(in km)		178/500	006/0/1									180/035										<u> </u>	18
Bridge	agnira			Nallah	Crossing	Sincento								Dhanin	River		•								
Z	;				4						-			2											Service Color



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National Highways Authority of India

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				·.		:			. ,					ar i .	24		5. g							
Details of	Widening	9			Existing	bridge shall be	widened to	accommodate	4 Lane	configuration	i.e. 2 x 12.00	E			Existing	bridge shall be	widened to	accommodate	4 Lane	configuration	i.e. 2 x 12.00	, <b>E</b>		
Details of Rehabilitation *					Existing wearing coat to	be removed and new	bituminous WC shall be	laid.	<ul> <li>Existing drainage spout</li> </ul>	shall be replaced.	<ul> <li>Spalled concrete shall be</li> </ul>	repaired with PMC.	<ul> <li>Remove vegetation from</li> </ul>	the vent way.	■ Existing wearing coat to	be removed and new	bituminous WC shall be	laid.	Existing drainage spout	shall be replaced.	<ul> <li>Spalled concrete shall be</li> </ul>	repaired with PMC.	Remove vegetation from	the vent way.
ucture	Super	structure	٠	-	RCC .	Solid Slab	•	,						•	RCC	Solid Slab		-				-		
Type of Existing Structure	Sub	Structure			Stone	masonary	•	•		-					Stone	masonary	÷							
Type of	Foundation		٠		Open							•			. Open		•		:	•				
Total	Length	(m)	•		17.79										08.9								•	•
Span	Arrange	ment	(Nos x	Length(m)*	3 x 5.93°										1 x · 6.80									
Existing	Width	(m)			8.15			·.							9.50			;	•					
Design	Ċ.	(in km)			182+533										188+229									
Existing	Cp.	(in km)			182/530										188/990	, ,	1			· ,				
Name of	Bridge				Dhanin	River		,					-		Nallah	Crossing					•			
Sr.	o Z				m <sub>.</sub>			***************************************		·····					4									<del></del>

Four Lanning of Gomuti Chauwaha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rejasshun on Dessign, Build, Finance, Operate and Transfer (Toll) Basis

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Details of	Widening	0	-		Existing	bridge shall be	widened to	accommodate	4 Lane	configuration	i.e. 2 x 12.00	E			Existing	bridge shall be	widened to	accommodate	4 Lane	configuration	i.e. 2 x 12.00	Ħ		·		1			
Details of Rehabilitation *					Existing wearing coat to	be removed and new	bituminous WC shall be	laid.	Existing drainage spout	shall be replaced.	Spalled concrete shall be	repaired with PMC.	Remove vegetation from	the vent way.	Existing wearing coat to	be removed and new	bituminous WC shall be	laid.	Existing drainage spout	shall be replaced.	Spalled concrete shall be	repaired with PMC.	Remove vegetation from	the vent way.					
	1	re				lab				<u>-</u>	-			···		lab			-					•	<del></del> .				-
ncture	Super	structure	•		RCC	Solid Slab					•				RCC	Solid Slab													
Type of Existing Structure	qnS	Structure			Stone	masonary	•			.•					Stone	masonary				-					,	-			
Type of	Foundation		-		Open							· · · · · · · · · · · · · · · · · · ·	•		Open	-	-						:				f.		
Total	Length	(m)	•	-	17.40										10.20							-				The second second			
Span	Arrange	ment	(Nos x	Length(m)*	3 x 5.80							•			$2 \times 5.10$			•			•								
Existing	Width	(m)		-	8.10				•				-		14.25						-	-	•		•				
Design	r <del>i</del>	(in km)		·	188+591								-		192+945									:					
Existing	Ü	(in km)			189/330			-							194/310		;						· · ·					4	8
Name of	Bridge				Medri	River								1 11 11	Nallah	Crossing													A. Land
, v.	Š.				<i>ا</i>							<del></del> -		1	0					-			-	3			1	3	N N

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Four Laning of Gomati Cheuraha — Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (1011) Basis

National Highways Authority of India

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_																														
Details of	Widening	Smins			Existing bridge	shall be	widened to	accommodate 4	Lane	configuration	i.e. 2 x 12.00 m			Existing	bridge shall be	widened to	accommodate	4 Lane	configuration	i.e. 2 x 12.00	н		:		-				•	
Details of Rehabilitation *					Existing wearing coat to be	removed and new bituminous	WC shall be laid.	Existing drainage spout shall	be replaced.	Spalled concrete shall be	repaired with PMC.	Remove vegetation from the	vent way.	Existing wearing coat to	be removed and new	bituminous WC shall be	laid.	Existing drainage spout	shall be replaced.	Spalled concrete shall be	repaired with PMC.	Remove vegetation from	the vent way.							
		ıre	•	-	• piid			-		•		-		-	lab		•					*	<del></del>			<del></del>				
cture	Super	structure		-	RCC Solid	Slab		٠,						RCC	Solid Slab									•						
1ype of Existing Structure	Sub	Structure			Stone .	masonary			•	<del>_,.:</del>	·			Stone	masonary .	-		-					,		-		-			
Type of	Foundation				Open		•							Open	•			*******							-	,			1	7
10tal	Length	(m)		30 21.	C7:/1		•							. 17.50						•				•					23	E
Span	Arrange	ment	(Nos x	2 . 4 676	<i>,</i> <									5 x 3.50						,					-			-	-	
EXISTING	Width	(m)		12.20	. 07:71					****				8.40		-			-	_										
ngisar	Cp.	(in km)		100+780	Co+ - CC1								200,000	202+907														·		
EAISUUE	Ch.	(in km)		200/435									031700	001//07										••						1
rame or	Bridge			(Tan	Folkin	TANA C	Bridge	o Sintro					Mollok	Crossing	Sillecolo										The state of the s					
: 2		-		7							٠.,		0	0												O VA				مر نز مر

		 200	:	· . · · ·	T	_	pe .	0	ate	<del>-</del>	uo Lo	8	- <del>^-</del>		
Details of	Widening	mmanı ı		•	D. inting	EAISTILL	bri	widened to	accommodate	4 Lane	configuration	i.e. $2 \times 12.00$	ш		÷
Details of Rehabilitation *				•	Fxisting wearing cost to	mine manual coal 10	be removed and new	bituminous WC shall be	laid.	<ul> <li>Existing drainage spout</li> </ul>	shall be replaced.	<ul> <li>Spalled concrete shall be</li> </ul>	repaired with PMC.	Remove vegetation from	the vent way.
ucture	Super				RCC	)	Solid Slab								
Type of Existing Structure	· Sub	Structure	•*	•	Stone		masonary								
Type of	Length Foundation	•			Open				•.						•
Total	Length	(m)			11.40			-					-		
Span	Arrange	ment	x soN)	Length(m)*	2 x 5.70									•	* Any Change in time of Comment of the second of the
Existing	Width	(m)			8.45										, , , , , , , , ,
Design	Ch.	(in km)			235/965   235+008					•		-			7 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Existing	Ü.	(in km)			235/965	_									t ai on acho
Name of	Bridge				Nallah	Crossing	Since								*
Sr.	So.				6	_									

change in type of foundation/structure and other required rehabilitation work shall not be treated as change in scope of work.





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I vir Laning of Gomati Chauraha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100 is the State of Rajasthan on Design, Build, Financa, Operate and Transfer (Toll) Basis

Appendix BXIII

# Reconstruction Scheme for Existing Culverts

Ą.

Vent width m*				23.50	41.50	35.57		42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	23.00	23.00	42.00	42.00	42.00	23.50	22 50
Vent width	m	20		+	-															,		,		Ċ
		-	3.00	1.20	2.00	1.20		1.20	1.20	2.10	1.20	1 20	07:1	1.20	1.20	1.20	1.20	1.20	1.20	1.20		f	1.20	1 20
		×	× ;	× >	< ×	* ×		×	×	×	×	×	;	× ;	×	×	×	×	×	×	x 2.20 x 2.20	x 2.00 x 2.00	×	×
No.	C	7.		1	,	3		1		-	-		,	7	-	- -				-	1,		1	
Vent	Width m	1.75		3.60	2.20	9.0	1.2			2.10			1 20	7.7.1	0.00	0.00	0.50	0.10			2.20	1.20		-
	>	د > -		×	×	×			1	×	,		×	'	,	< ;	< ;	<b>*</b>	•	•	×	×	•   •	100
No.	-	4	4			2				m			2		-	-	-   ۱	4			٦   ٦	·	•	Je.
Froposed	Pine	Slab	Pipe	Slab	Slab.	Pipe		Pipe	Pipe	Slab	Pipe	Pipe	Slab	Pipe	Pine .	Pine	Pine	Pine	Dine.	Pov	Bov .	Pine	Pipe	r 1hc
. Exisung	Slab	Slab	Burried	Slab	Slab	Pipe		Burried	Burried	Slab	Burried	Burried	Slab	Burried ·	Pipe	Slab	Slab	Burried	Burried	Sigh	Slah	Burried	Burried	Carron
	177+350	177+600	180+901	181+968	183+464	187+470	0.00	193+856	197+198	19/+698	198+342	201+540	203+364	205+002	205+127	205+801	206+065	207+297	208+011	208+409	208+634	209+325	209+885	
	177/350	177/600	180/910	182/175	183/465	188/232	104/640	194/040	108/480	190/402	199/125	202/320	204/225	205/865	206/000	206/670	206/930	208/160	208/88	209/265	209/525	210/220	210/750	
- 1	·	-					1	ŧ											1	•				
- •		177+350 Slab	177+350 Slab 177+600 Slab	177+350 Slab 177+600 Slab 180+901 Burried	177+350     Slab       177+600     Slab       180+901     Burried       181+968     Slab	177+350     Slab       177+600     Slab       180+901     Burried       181+968     Slab       183+464     Slab	177+350     Slab       177+600     Slab       180+901     Burried       181+968     Slab       183+464     Slab       187+470     Pipe	177+350     Slab       177+600     Slab       180+901     Burried       181+968     Slab       183+464     Slab       187+470     Pipe	177+350       Slab         177+600       Slab         180+901       Burried         181+968       Slab         183+464       Slab         187+470       Pipe         193+856       Burried	177+350     Slab       177+600     Slab       180+901     Burried       181+968     Slab       183+464     Slab       187+470     Pipe       193+856     Burried       197+198     Burried	177+350       Slab         177+600       Slab         180+901       Burried         181+968       Slab         183+464       Slab         187+470       Pipe         193+856       Burried         197+198       Burried         197+698       Slab	177+350       Slab         177+600       Slab         180+901       Burried         181+968       Slab         183+464       Slab         187+470       Pipe         197+198       Burried         197+698       Slab         197+342       Burried         198+342       Burried	177+350 Slab   177+600 Slab   180+901 Burried   181+968 Slab   183+464 Slab   187+470 Pipe   197+198 Burried   197+698 Slab   198+342 Burried   201+540 Burried   201+540 Burried	177+350     Slab       177+600     Slab       180+901     Burried       181+968     Slab       183+464     Slab       187+470     Pipe       193+856     Burried       197+698     Slab       198+342     Burried       201+540     Burried       203+364     Slab	177+350       Slab         177+600       Slab         180+901       Burried         181+968       Slab         183+464       Slab         187+470       Pipe         197+856       Burried         197+198       Burried         198+342       Burried         201+540       Burried         203+364       Slab         205+002       Burried	177+350       Slab         177+600       Slab         180+901       Burried         181+968       Slab         183+464       Slab         187+470       Pipe         197+198       Burried         197+698       Slab         197+540       Burried         201+540       Burried         203+364       Slab         205+002       Burried         205+127       Pipe	177+350       Slab         177+600       Slab         180+901       Burried         181+968       Slab         183+464       Slab         183+464       Slab         187+470       Pipe         197+856       Burried         197+698       Slab         198+342       Burried         201+540       Burried         203+364       Slab         205+002       Burried         205+801       Slab	177+350       Slab         177+600       Slab         180+901       Burried         181+968       Slab         183+464       Slab         187+470       Pipe         197+198       Burried         197+698       Slab         198+342       Burried         201+540       Burried         203+364       Slab         205+127       Pipe         205+801       Slab         206+065       Slab	177+350 Slab 177+600 Slab 180+901 Burried 181+968 Slab 183+464 Slab 187+470 Pipe 197+198 Burried 197+698 Slab 197+698 Slab 201+540 Burried 201+540 Burried 203+364 Slab 205+002 Burried 205+02 Burried 205+02 Slab 205+02 Burried 205+02 Burried 205+02 Burried 205+02 Burried 205+02 Burried 205+02 Burried 205+02 Slab	177+350   Slab   177+600   Slab   180+901   Burried   181+968   Slab   183+464   Slab   187+470   Pipe   197+198   Burried   197+698   Slab   198+342   Burried   201+540   Burried   203+364   Slab   205+801   Slab   205+801   Slab   205+801   Slab   205+801   Slab   205+27   Burried   205+27   Burried   205+27   Burried   205+27   Burried   205+27   Burried   206+065   Slab   206+011   Burried   208+011   Burried   208+0	177+350   Slab   177+600   Slab   180+901   Burried   181+968   Slab   183+464   Slab   197+470   Pipe   197+698   Slab   197+698   Slab   197+698   Slab   197+698   Slab   205+002   Burried   205+002   Burried   Sub   205+801   Slab   206+065   Slab   207+297   Burried   208+011   Burried   Sub   208+011   Burried   Slab   208+011   Burried   Slab   Slab	177+350   Slab   177+600   Slab   180+901   Burried   181+968   Slab   183+464   Slab   197+198   Burried   197+198   Burried   197+698   Slab   198+342   Burried   201+540   Burried   205+02   Burried   205+127   Pipe   205+127   Pipe   205+801   Slab   207+297   Burried   208+409   Slab   208+409   Slab   208+409   Slab   208+409   Slab   208+634   Slab   Slab   208+634   Slab   Slab   208+634   Slab   Slab   208+634   Slab   Slab   Slab   208+634   Slab   Slab	177+350 Slab   177+600 Slab   180+901 Burried   181+968 Slab   183+464 Slab   193+856 Burried   197+198 Burried   197+198 Burried   197+698 Slab   198+342 Burried   201+540 Burried   205+801 Slab   205+801 Slab   205+801 Slab   206+065 Slab   208+011 Burried   208+011 Burried   208+409 Slab   208+634 Slab   208+634 Slab   208+634 Slab   208+634 Slab   208+634 Slab   208+634 Slab   209+325 Burried   197-100 Slab   197-100	177+350 Slab   177+600 Slab   180+901 Burried   181+968 Slab   183+464 Slab   197+198 Burried   197+198 Burried   197+198 Burried   197+698 Slab   198+342 Burried   203+364 Slab   205+801 Slab   205+801 Slab   205+801 Slab   206+065 Slab   208+409 Slab   208+409 Slab   208+409 Slab   209+325 Burried   197+698 Surried   197+698 Surried   197+600 Slab   197+600 Sl

V) Busis

B-30

Lining of Gomuti Chauraha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100 Faire of Rejusthan on Design, Build, Finance, Operate and Transfer (1011) Busis

National Highways Authority of India

Request for Proposal – Bid Document Volume-III: Schedules

ed No.		Existing Ch.	Design	Type of	Type of Structures.		Span	Span Arrangement	nent		Proposed Total
Existing   Proposed   No.   Wenth m.   No.   N		КШ	Ch. km				1		Prop	osed	Width
210+601         Burried         Pipe         .         width m         .         1         .x           210+899         Burried         Pipe         .         .         1         .x           213+423         Pipe         .				Existing	Proposed	No.	Vent	No.		Vent width	*
210+601         Burried         Pipe         .         1         x           210+899         Burried         Pipe         .         1         x           213+423         Pipe         .         1         x           213+423         Pipe         .         .         1         x           213+409         Burried         Pipe         .         .         1         x           223+481         Slab         Slab         1         x         1.60         1         x           223+883         Slab         Slab         1         x         1.60         1         x           223+883         Slab         Slab         1         x         1.55         1         x           235+825         Pipe         Pipe         3         x         0.10         3         x           235+826         Pipe         Pipe         1         x         1.20         1         x           235+826         Pipe         Pipe         1         x         0.90         1         x           235+825         Slab         Slab         1         x         1.20         1         x	1	008/110					width in		-	ш	
213-423         Burried         Pipe.         1         x           213-423         Pipe         -         -         1         x           213-423         Pipe         -         -         1         x           213-423         Pipe         Pipe         -         -         1         x           214-090         Burried         Pipe         2         x         0.90         1         x           223-481         Slab         Slab         1         x         1.60         1         x           223-482         Pipe         Pipe         -         -         -         1         x           233+826         Pipe         Pipe         3         x         0.10         3         x           233+826         Pipe         Pipe         3         x         0.10         3         x           233+826         Pipe         Pipe         3         x         0.10         3         x           233+826         Pipe         Pipe         1         x         1.20         1         x           234-825         Slab         Slab         1         x         2.20         1	-	211/490	710+601	Burried	Pipe				×	1.20	23.50
213-423         Pipe         Pipe         -         -         1         x         1         x           214+090         Burried         Pipe         -         -         1         x         1         x           223+481         Slab         Slab         1         x         1.60         1         x           223+883         Slab         Slab         1         x         1.55         1         x           223+883         Slab         Slab         1         x         1.55         1         x           223+883         Slab         Pipe         -         -         1.55         1         x           233+826         Pipe         Pipe         3         x         0.10         3         x           233+826         Pipe         Pipe         1         x         0.90         1         x           233+826         Pipe         Pipe         1         x         0.90         1         x           234-055         Slab         Slab         1         x         0.90         1         x           239+055         Slab         Slab         1         x         1.50 <td< td=""><td>1</td><td>211/800</td><td>210+899</td><td>Burried</td><td>Pipe,</td><td></td><td>1</td><td>l</td><td>×</td><td>1.20</td><td>23.50</td></td<>	1	211/800	210+899	Burried	Pipe,		1	l	×	1.20	23.50
214+090         Burried         Pipe         -	- 1	214/300	213+423	Pipe	Pipe				×	1.20	23.50
223+481         Slab         Slab         Slab         1         x         1.60         1         x           223+598         Pipe         Slab         Slab         1         x         0.90         1         x           223+883         Slab         Slab         Slab         1         x         1.55         1         x           230+525         Burried         Pipe         3         x         0.10         3         x           233+826         Pipe         Pipe         3         x         0.10         3         x           233+826         Pipe         Pipe         3         x         0.10         3         x           233+826         Pipe         Pipe         1         x         0.90         1         x           233+825         Slab         Slab         1         x         0.90         1         x           234-605         Slab         Slab         1         x         1.60         1         x           234-65         Slab         Slab         1         x         1.60         1         x           250+485         Slab         Slab         1         x	İ	214/970	214+090	Burried	Pipe				×	1.20	23.50
223+598         Pipe         Slab         Slab         Interest         Slab         Interest         Interest <td>1</td> <td>224/410</td> <td>223+481</td> <td>Slab</td> <td>Slab</td> <td>1</td> <td>-</td> <td></td> <td>×</td> <td>3.00</td> <td>25.30</td>	1	224/410	223+481	Slab	Slab	1	-		×	3.00	25.30
223+883         Slab         Slab         Slab         I         x         1.55         I         x           230+525         Burried         Pipe         -         -         1         x         1         x         1         x         1         x         1         x         x         1         x	- 1	224/550	223+598	Pipe	Slab	2	-		:   ×	3.00	26.00
230+525         Burried         Pipe         -		224/810	223+883	Slab	Slab	-	-	·   -	٠,	2.00	20.00
233+826         Pipe         Pipe         3         x         0.10         3         x           235+351         Slab         Slab         1         x         1.20         1         x           235+351         Slab         Pipe         1         x         1.20         1         x           237+055         Slab         Slab         1         x         2.20         1         x           248+631         Slab         Slab         1         x         2.00         2         x           250+483         Slab         Slab         1         x         1.60         1         x           250+483         Slab         Slab         1         x         1.60         1         x           250+483         Slab         Slab         1         x         1.60         1         x           194+020         Burried         Pipe         -         -         1         x         1         x           194+170         Burried         Pipe         -         -         1         x         1         x           205+732         Burried         Pipe         -         -         1		231/500	230+525	Burried	Pipe		┥,	-	۷ ;	3.00	70.00
235+351         Slab         Slab         1         x         0.10         3         x           237+005         Pipe         1         x         0.90         1         x           239+055         Slab         Slab         1         x         2.20         1         x           248+631         Slab         Slab         2         x         2.00         2         x           250+483         Slab         Slab         1         x         1.55         1         x           250+483         Slab         Slab         1         x         1.60         1         x           194+020         Burried         Pipe         -         -         1         x         1           194+170         Burried         Pipe         -         -         1         x         1           205+732         Burried         Pipe         -         -         1         x         1           219+463         Slab         Slab         Slab         1         x         1         x           222+488         Arch         Slab         1         x         2.09         1         x	ł	234/775	233+826	Pipe	Pine	٦,		٠, ٦	۷ .	1.20	76.00
237+005         Pipe         Pipe         1         x         1.20         1         x           239+055         Slab         Slab         1         x         2.20         1         x           248+631         Slab         Slab         1         x         2.00         2         x           250+483         Slab         Slab         1         x         1.60         1         x           250+483         Slab         Slab         1         x         1.60         1         x           194+020         Burried         Pipe         -         -         1         x         1           194+170         Burried         Slab         Slab         1         x         1         x           205+751         Burried         Pipe         -         -         1         x         1           219+463         Slab         Slab         Slab         -         -         1         x           222+488         Arch         Slab         1         x         2.00         1         x	1	236/300	235+351	Slah	Slab	,  -	+	0 -	×	1.20	26.00
239+055         Slab         Slab         1         x         0.90         1         x           248+631         Slab         Slab         2         x         2.00         2         x           250+483         Slab         Slab         1         x         1.55         1         x           250+685         Slab         Slab         1         x         1.60         1         x           194+020         Burried         Pipe         -         1         x         1         x           194+170         Burried         Slab         Slab         1         x         1         x           205+732         Burried         Pipe         -         1         x         1           213+117         Burried         Pipe         -         1         x         1           213+463         Slab         Slab         Slab         -         1         x           222+488         Arch         Slab         1         x         2.00         1         x		237/950	237+005	Dine .	Dine	-  -	-	!  -	×	1.20	26.00
248+631         Slab         Slab         2         x         2.00         2         x           250+483         Slab         Slab         1         x         1.55         1         x           250+685         Slab         Slab         1         x         1.60         1         x           194+020         Burried         Pipe         -         1         x         1           194+170         Burried         Slab         1         x         1         x           198+751         Slab         Slab         1         x         1         x           205+732         Burried         Pipe         -         1         x         1           213+117         Burried         Pipe         -         1         x         1           215+463         Slab         Slab         2         x         2.95         1         x           222+488         Arch         Slab         1         x         2.00         1         x		240/010	239+055	Slab	- 1pe	-  -	-		×	0.90	26.00
250+483         Slab         2 x         2.00         2 x         x         2.00         2 x         x         2.00         2 x         x<	1	252/014	278+631	Siac	olau	→ (	-	-	×	2.20	26.00
250+462         Slab         1         x         1.55         1         x           194+020         Burried         Pipe         -         1         x         1         x           194+170         Burried         Slab         -         1         x         1         x           205+732         Burried         Pipe         -         1         x         1         x           213+117         Burried         Pipe         -         1         x         1         x           219+463         Slab         Slab         Slab         2         x         2.95         1         x           222+488         Arch         Slab         1         x         2.00         1         x	-   -	753/830	750-021	5140	Slab	7	-	2	×	2.00	23.50
250+685         Slab         Slab         1         x         1.60         1         x           194+020         Burried         Pipe         -         1         x         1         x           194+170         Burried         Slab         1         x         120         1         x           205+732         Burried         Pipe         -         1         x         1           213+117         Burried         Pipe         -         1         x         1           219+463         Slab         Slab         Slab         2         x         2.95         1         x           222+488         Arch         Slab         1         x         2.00         1         x		050/555	230+483	Slab	Slab				×	4.00	23.50
194+020         Burried         Pipe         -         1         x           194+170         Burried         Slab         1         x         1         x           205+751         Slab         Slab         1         x         1         x           213+117         Burried         Pipe         -         1         x           219+463         Slab         Slab         Slab         1         x           222+488         Arch         Slab         1         x         2.00         1         x	- 1	235/983	720+685	Slab	Slab	-			×	4.00	23.50
194+170         Burried         Slab         -         1         x         1         x           205+751         Slab         Slab         1         x         1         x           205+732         Burried         Pipe         -         1         x           213+117         Burried         Pipe         -         1         x           219+463         Slab         Slab         Slab         1         x           222+488         Arch         Slab         1         x         2.00         1         x	- 1	194/800	194+020	Burried	Pipe		-	-	>	1.20	42.00
198+751         Slab         Slab         I make         I make <td></td> <td>194/950</td> <td>194+170</td> <td>Burried</td> <td>Slab</td> <td></td> <td></td> <td>1  </td> <td>٠,</td> <td>02:1</td> <td>43.00</td>		194/950	194+170	Burried	Slab			1	٠,	02:1	43.00
205+732         Burried         Pipe         -         1         X           213+117         Burried         Pipe         -         1         x           219+463         Slab         5lab         2         x         2.95         1         x           222+488         Arch         Slab         1         x         2.00         1         x		199/700	198+751	Slab	Slab	-	.  -	-	∢ ;	1.20	43.00
213+117         Burried         Pipe         -         1         x           219+463         Slab         2 x         2.95         1         x           222+488         Arch         Slab         1         x         2.00         1         x	1	206/600	205+732	Burried	Pine	*		٠,	×	1.20	42.00
219+463         Slab         Slab         2         x         2.95         1         x           222+488         Arch         Slab         1         x         2.00         1         x	1	213/990	213+117	Burried	1,00		•	-1	×	1.20	42.00
222+488         Arch         Slab         1         x         2.95         1         x	1	220/339	219+463	Slab	r ipe		,		×	1.20	23.50
2.00 1 x	1	223/400	887766	Olaco.	Siau	7	-		×	5.90	00.09
	-	001/077	004_7777	Arcn	Slab				×	2.00	41.50

# For Box culvert No x Vent Width x Vent Height

\* Width of Culverts shall be reconciled as per cross section at that location.

Four Laping of Gomati Chauvaha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100 In the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Tolly Buxis



## B. Construction of New Culverts

Proposed Total Width	** Ш	23.50	23 50	23.50	23.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.50	22.30	22.30	0077
Proposed Span Arrangement *	No. Vent width m	1 × 5.00	1 x 5.00 ·	1 x 5.00	1 x 5:00	2 x1.20	3 x 1.20	1 x 5.00	1 x 5.00	i x 5.00	1 x 5.00	1 x 5.00	. 1 x 5.00	1 x 5.00	1 x 5.00	1 x 1.50 x1.50 #	1 x 1.50 x1.50 #	.1 x 5.00	1 x 5.00	1 x 5.00	1 x 6.00 x 5.00 #	1 x 6.00 x 5.00 #	1 x 5.00	2 x 1.20	1 x 6.00 x 6.00 #	1 x 6.00 x 6.00 #	
Proposed Type of	Structures	Slab	Slab	Slab	Slab	Pipe	Pipe	Slab	Slab	Slab	Slab	Slab	Slab	Slab	Slab	Box	Вох	. Slab	Slab	Slab	Box .	Box	. Slab	Pipe	Box	Вох	
Design	Ch. km	183+840	184+790	184+880	185+550	240+195	241+020	241+270	241+550	241+772	242+074	242+392	242+457	242+716	242+816	243+068	243+244	243+504	243+779	243+879	244+104	244+179	244+404	244+629	245+014	245+234	
Existing Ch. km			Padasali	Realignment		Delwara	And Aklingi	Bypass											L					The state of the s			2
Sr.	No.	<b>→</b>	2	3	4	5	9	7	∞	6	0.		12	13	14	15	16	17	18	19	20	21	22	23	24	25	

Four Laning of Ornight Figurates—Addition Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajarday of Postering and Transfer (Toll) Basis

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1			_	-	- 1			, <del></del>	1					-				Arrest Arrest	
	Proposed Total Width	** Ш	22.50	03.00	72.30	22.50	22.50	. 23.50	22.50		77.50	22.50	22.50	22.30	22.50	22.50	0.11	22.50	22.50
Proposed Span Arrange 11 5	No. Vont width		1 x 6.00 x 5.00 #	1 x 6.00 x 5.00 #	x 5.00	2.00 7.00 7.00 7.00 7.00 7.00 7.00 7.00	07:1	2 A 5.00	2 x 1.20	1 x 6 00 x 6 00 #	T 00:0 W 00:0 W 2	# 0.00 x 0.00 x	2 x 1.20	, , ,	07.I v 2	2 x 1.20	2 x 1.20	7	07.1 v 7.
Proposed Type of	Structures	Box	DOA	Box	Slab.	Pipe	Slah	Dine	odi r	Box	Box	200	Pipe	Pine	Dina	1 the	Pipe	Pine	Hojob+
Design	Ch. km	245+544	076.000	742+769	247+704	247+829	250+825	252+805	000.000	723+250	253+375		723+750	253+800	253+875		254+025	254+700	Vent Width v Ven
Existing Ch. km		<u>.</u>	.1	. !	-		The state of the s						Chirawa Bypass			1.			# For Box culvert No x Vent Width v Vent
Sr.	No.	26	77	17	28	29 -	30	31	22	36	33	2.4	40	35	36	7.5	37	38	#

# For Box culvert No x Vent Width x Vent Height

\*The proposed span arrangement is tentative and the same shall be finalized in consultation with IC. Any change in span arrangement and type of Culvert shall not be treated as change in scope of work. \*In addition to above culverts, cross road culverts shall be provided at the location of major junction / minor junction / bypass/ utility purpose etc. The location of such culvert shall be decided in consultation with IC.

\*Requirement of additional Cross Drainage structure not covered in above tables if any shall be got approved from IC, and same shall not be treated as change in scope of work.

\*\* Width of Culverts shall be reconciled as per cross section at that location.

Sour Launes of Comati Chauraha — Udaipur Section of NH-8 from Km. 177.0 to Km 260.100 of the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Busis



## C. Widening of Culverts

The following culverts shall be widened

	Froposed Total	width	***	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	41.50	23.50	23.50	23.50	23.50	23.50	23.50	70.35	23.50	23.50	26.00	23.50	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00
	Pronosed	nasan	Vent width m	1.05	0.90	0.85	0.90	1.20	1.00	1.60	1.77	2.25	3.00	1.78	1.20	1.45	1.20	4.80	1.60	06.0	2.70	2.70	1.65	1.20	2.00	1.00	1.80	2.00	2.10	1.00	2.00	2.00
<b>+</b>				×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
noemer	9	Z	-	-\						-	-		-		2		2	-				-			-	-		-	-	-		-
Span Arrangement		Vent width m	1 06	2.03	0.90	0.85	0.50	1.20	1.00	1.60	1.77	2.25	3.00	1.78	1.20	1.45	07.1	4.80	1.60	0.90	2.70	2.70	1.65	1.20	2.00.	1.00	1.80	2.00	2.10	1.00	2.00	7.00
	Existing		,	<	×	×	×	×	×	× ;	× ;	×	×	×	×	×	×	× :	×	× ;	×	×	× ;	× ;	×	×	× ;	× ;	×	×	×	×
		No.	-	-	-   -	-  -	- -	-  -	- -	-	-		- -	-	7 -	-   -	7 -	- -	- -	- -	٦   ٦	-  -	-   -	I I		1	-				-	-
Type of Structures		Proposed	Slab	Dina	Clok	Slot	Siab	Slab	Slab	Slah ·	Slah	Slab	Stab	Pine	Stab	Pine	Slah	Slab	Dine	Slah	Slah	Clah Clah	Slah	Slah	Clab	Stab	Slab	Slab	Slab	Slab	. Clab	Olaco
Type of		Existing	Slab	Pine	Slah	Slah	Slah	Slah	Slah	Slab	Slab	Slah	Slab	Pine	Slah	Pipe	Slab	Slab	Pine	Slab	Slah	Slab	Slab	Slab	Slab	Slah	Slab	Slab	Slab	Slab	Slah	
Design	Ch. Km		178+151	178+829	179+015	179+463	180+411	180+851	181+201	181+279	181+781	182+179	182+716	183+359	183+648	186+358	186+659	187+165	188+343	188+467	190+981	191+534	194+703	196+093	196+448	196+635	196+783	197+413	1994-123	199+296	199+941	
Existing Ch.	WIII.		178/150	178/830	179/010	179/465	180/425	180/880	181/210	181/350	181/800	182/378	182/725	183/365	183/658	187/100	187/420	187/930	189/050	189/227	191/765	192/310	195/550	196/860	197/225	197/415	197/650	198/196	200/070	200/274	200/750	-
Sr. No.		-		2	3	4	5	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	

Four Laning of Gomati Chauraha — Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the Artistic and Transfer (Tolly) Basis



Total	I OLGI				Ī		ľ																<u> </u>													
Prondeed Total	Width	*11	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	23.00	23.00	23.00	23.00	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	> 23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50
	ed	Vent width m	2.00	2.10	2.10	2.10	1.2	2.00	2.10	2.10	4.60	1.00	1.20	06.0	2.80	2.80	0.90	2.50	2.10	4.10	4.25	2.10	2.00	2.10	2.10	2.10	2.10	1.15	2.10	1.96	2.10	3.10	4.10	1.65	1.00	2.10
	Proposed		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
angemen		No.	-			-		-	_	_ .	-	-	-	2	2	2		2	-		-	,										- -	╢.	-	1	1
Span Arrangement		Vent width m	2.00	2.10	2.10	2.10	1.2	2.00	2.10	2.10	. 4.60	1.00	1.20	0.90	2.80	2.80	0.90	2.50	2.10	4.10	4.25	2.10	2.00	2.10	2.10	2.10	2.10	2.6	2.10	7.10	2.10	3.10	1.65	1.00	2 10	7.10
	Existing	+	×	×	×	×	×	×	×	× ;	×	×	×	×	×	×	×	×	×	×	×	× ;	×	×	× ;	× ;	× >	۷ ;	x ;	< >	٠,	< >	< >	< ×	: ×	:
		No.		- ,	- -	-	-		-  -	-			- <	7 (	7 (	7	- C	7.	-  -	-  -	7		-	7   1	-	-	- -	-	- -				-	-		-
ype of Structures	,	roposed	STab .	Slau	Siab	Olab Clab	Slat.	Slab	Slab		Slah	Siab	Dina	Slab	Slab	Dine	Slab	Slab	Clah	Siah	Slab	Slah	Slah	Slab	Stab	Slah	Slah	Slah	Slab							
Type of S	Frieting	Clab	Slab	Slab	Slab	Slab	Slah	Slah	Slah	Slab	Slah	Slah	Pine	Slah	Slah	Pine	Slah	Slab	Slah	Slah	Slab	Slab	Slah	Slab												
Design	-T-	200+231	200+389	200+648	200+719	200+852	201+873	202+119	202+808	203+083	204+803	205+755	205+954	206+641	206+903	207+475	207+792	209+548	210+186	210+613	210+850	211+332	211+648	211+845	211+981	212+558	212+642	213+643	213+876	215+153	216+022	216+131	216+314	216+528	216+610	-
LAISUING CII.		201/060	201/250	201/500	201/580	201/700	202/675	202/925	203/655	203/925	205/675	206/625	206/815	207/505	.207/760	208/340	208/662	210/450	211/080	211/503	211/720	212/199	212/520	212/750	212/850	213/450	213/510	214/526	214/751	216/020	216/900	217/005	217/196	217/405	217/490	
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	09	61	62	63	

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Four Laning of Comatt Chauvetha — Udvipur Section of NH-8 from Km 177.0 to Km 260,100 in the State of Kayi Knamer Design, Build, Finance, Operate and Transfer (Voll) Busis

Г			T	T	T	T	Τ	Τ	T	Т	Τ	Т	Т	Т	T	T	Τ	T	T	Τ	Т	Τ	Τ	Τ	Т	T	Τ	Τ	Τ	Ť	T.	T	Τ	T	Τ	Τ
Proposed Total	Width	*E	23.50	23.50	23.50	23.50	23.50	23.50	22.00	41.00	41.00	21.50	41.50	23.00	23.50	26.00	23.50	23.50	46.00	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	22.50
	sed	Vent width m	1.00	1.65		1.00	1.5	1.80	3.00	3.60	1.20	2.00	1.95	1.20	0.90	0.90	2.30	1.00	4.20	0.00	06.0	0.90	2.20	06.0	0.90	1.20	06.0	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	000
	Proposed		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	>
ngement		No.	-		-	1		1			-		-	-	1	-	П	-	-	2	-	-	1	1	I	1			2.	<b>,</b>	2		-	1	П	-1
Span Arrangement		Vent width m	1.00	1.65		1.00	1.5	1.80	3.00	3.60	1.20	2.00	1.95/	1.20	06.0	0.90	2.30	1.00	-4.20	.06.0	0.90	06.0	2.20	0.90	0.90	1.20	06.0	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	000.
	Existing	~	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×·	×	×	×	×	×	×	×	×	×	>
		No.	1		-	-		-		_	-	-	1		-	,	-	-	1	2.		1	1	,	Ţ	I	1.	. 1	2	-	2	1	1	1	,	-
tructures		Proposed	Slab	Pipe .	Pipe .	· Slab	Slab	Slab	Pipe	Pipe	Pipe	Slab	Pipe	Pipe	Slab	Pipe	Pipe .	Pipe .	Pipe	. Pipe	Pipe	Pipe *	Pipe	. Pipe	Pine .											
Type of Structures		Existing	Slab	Siab	Arch	Slab	. Pipe	Pipe	Arch	Slab	Slab	Pipe	Pipe	Pipe	Slab	Pipe	Pipe	Slab	Pipe	Pipe	Pipe	Pipe	Pipe	Pipe	Pipe	Pipe	Pipe	. Pine								
Design	Ch. km		216+616	217+332	217+585	217+685	217+835	218+034	219+033	219+981	220+125	220+958	221+976	222+186	223+137	224+048	224+140	224+243	224+403	224+759	225+033	225+272	225+696	226+177	226+386	226+560	226+776	227+125	227+416	227+604	227+894	228+185	228+322	228+670	228+824	229+061
Existing Ch.	km		217/495	218/200	218/450	218/550	218/700	218/900	219/910	220/850	221/050	221/850	222/890	223/100	224/040	.224/980	225/100	225/200	225/330	225/750	225/970	226/250	226/650	227/100	227/350	227/530	227/750	228/070	228/350	228/550	228/850	229/125	229/300	229/650	229/890	230/010
Sr. No.			64	65	99	67	89	69	70	71	72	73	74.	75.	76	77	78	79	80	81	82	83	84	85	98	87	88	68	06	91	92	93	94	95	96	97

Four Loning of Geograph Choundha – (Idaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Propagation on Devign. Build, Finance, Operate and Iransfer (IoII) Busis

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Proposed Total	Width	*m	26.00	26.00	26.00	26.00	26.00	26.00	26.00	00 92	26.00	41.50	41.50	41.50	41.50	41.50	41.50	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
	sed	Vent width m	06.0	0.90	0.90	0.90	0.90	06.0	06.0	06.0	0.90	0.60	0.90	06.0	06.0	0.90	0.60	0.90	0.90	0.90	0.90	06.0	1.20	06.0	06.0	0.90	06.0	06.0	0.90	06.0	06.0	06.0	06.0	0.90	06.0	06.0
	Proposed		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×
angement		No.	7	-	1	-	-	2	2	1	1	-	1	2		4		-	2	-	2	1	1	2	1	1		1	1	2	<b>,,,,,</b> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	2	1	2	
Span Arrangement		Vent width m	0.90	0.90	0.90	. 06.0	06.0	0.90	06.0	0.90	06.0	06.0	06.0	0.90	0.90	06.0	0.90	0.60	06.0	. 06.0	06.0	06.0	1.20	0.90	0.90	06.0	0.90	06.0	0.90	06.0	06.0	06.0	06.0	06:0	06.0	06.0
	Existing		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	.×
		No.	.7	_		I	-	2	2		-		-	2		4		_	2	ı	.2		1	2						2		,,	7	-	2	-
Cype of Structures		Proposed	Pipe	Pipe	Pipe	Pipe	Pipe	Pipe .	Pipe	Pipe	. Pipe	Pipe	Pipe	Pipe	Pipe	Pipe	Pipe	· Pipe	Pipe	Pipe .	Pipe	Pipe	Slab	Pipe	Pipe	Pipe	. Pipe	Pipe	Pipe	Pipe						
Type of S		Existing .	Pipe	Pipe .	Pipe	Slab	Pipe	Pipe	Pipe	. Pipe	Pipe	Pipe	Pipe																							
Design	Ch. km		229+428	229+578	229+628	230+015	230+380	231+249	231+332	231+420	231+565	231+835	231+921	232+188	232+278	232+587	232+746	232+901	233+246	233+401	233+657	234+000	234+327	234+779	235+686	235+893	730+130	236+326	236+423	236+580	236+668	237+118	237+339	237+569	237+700	237+823
Existing Ch.	Кm		230/400	230/550	230/600	230/950	231/350	232/190	232/300	232/400	232/650	232/800	232/900	233/140	233/250	233/550	233/700	233/850	234/200	234/375	234/650	234/950	235/300	235/750	236/650	236/850	001//27	027/157	23//365	73 //250	237/650	238/090	238/300	238/550	238/680	238/780
Sr. No.			86	66	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	611	071	171	771	671	471	551	126	127	128	129	130	131

Genati Chauraha — Udaipur Section of NH-8 from Km 177.0 to Km 260.100 Agaifan.on Design, Build, Finance, Operate and Transfer (Toll) Busis

- -	Existing Ch.	Design	Type of	Type of Structures			Span Arrangement	rangeme	nt		Proposed 1 otal
.01.130	km	Ch. km				Exi	Existing			Proposed	Width
			Existing	Proposed	No.		Vent width m	No.		Vent width m	m*
132	239/400	238+376	Slab	Slab	-	×	1.50	_	×	1.50	49.00
133	239/500	238+519	Pipe	Pipe	2	×	06.0	2	×	0.90	26.00
134	239/650	238+634	Pipe	Pipe	_	×	06.0	_	×	06.0	26.00
135	239/750	238+775	Pipe	Pipe	-	×	0.90		×	0.90	26.00
136	239/900	238+938	Pipe	Pipe		×	06.0		×	0.90	26.00
137	251/670	248+244	Slab	Siab	2	×	2.05	2	×	2.05	23.50
138	251/870	248+446	Pipe	Pipe	2	×	1.20	2	×	1.20	23.50
139	252/350	248+970	Slab	Slab	2	×	2.75	CI	×	2.75	23.50
140	252/500	249+112	Pipe	Pipe	2	×	1.20	2	×	1.20	23.50
141	252/550	249+176	Slab	Slab	_	×	1.55	_	×	1.55	23.50
142	253/115	249+765	Pipe	Pipe		×	1.20	_	×	1.20	23.50
143	253/307	249+959	Pipe	Pipe	_	×	06.0	,	×	0.00	23.50
144	253/635	250+275	Slab	Slab	-	×	1.50	1	×	1.50	23.50
145	259/250	255+356	Slab	Slab	_	×	06.0	-	×	06:0	23.50
146	259/700	255+839	Slab	Slab	-	×	1.00	-	×	1.00	23.50
147	260/020	256+191	Slab	Slab		×	3.80		×	3.80	23.50
148	201/880	201+077	Pipe	Pipe	e.	×	06.0	c	×	06.0	×42.00
149	202/200	201+397	Pipe	Pipe	c	×	06.0	3	×	06:0	42.00
150	203/500	202+714	Pipe	Pipe	-	×	06.0	1	×	06.0	42.00
151	221/400	220+512	Pipe	Pipe	-	×	1.20		×	1.20	39.50





Four Laning of Comati Chauraha — Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis

Appendix - BXIV

# Details of Proposed Elevated Flyover

Construction of New Elevated Flyover From km 219+775 to km 220+173 For RHS Main Carriageway and RHS Service Road (Over Pond) Ą.

Proposed Total Width of the structure		20.00								•							-				
Span Length in m	)	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90	19.90
Proposed structural configuration		New 4 Lane Schematic drawing is	attached. (Figure 2.1 to 2.2 for	reference)																	
Design Chainage (in km)	End	219+795	219+815	219+835	219+855	219+875	219+894	219+914	219+934	219+954	219+974	219+994	220+014	220+034	220+054	220+074	220+094	220+113	220+133	220+153	220+173
Design Chai	Start	219+775	219+795	219+815	219+835	219+855	219+875	219+894	2.19+914	219+934	219+954	219+974	219+994	220+014	220+034	220+054	220+074	220+094	220+113	220+133	220+153
Span	No.	Ī	. 2	3	4	5	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20

B-39

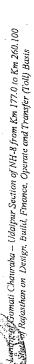
f Gomati Chauraha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100 Rajuxthan on Dexign, Build, Finance, Operate and Transfer (Toll) Busix

Construction of New Elevated Flyover From km 220+173 to km 220+993 For LHS and RHS Main Carriageway æ.

National Highways Authority of India

Span	De	Design	Proposed structural	Span Length in m	December 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
No.	Chainage	(in km)	configuration	Span Jongton III III	r oposed 10tal Width of the
	Start	End	)		(ur) arman ne
	220+173	220+213	New 4 Lane	40.00	03.10
2	220+213	220+253	(Minimum Vertical	40.00	21.30
£.	220+253	. 220+293	Clearance 5.5 m shall be	40.00	
4	220+293	220+333	maintained in span no 8 to	40.00	•
5	220+333	220+374	17) Schematic drawing is	40.00	
. 9	220+374	220+415	attached. (Figure 2.1 to 2.2	71.11	
7	220+415	220+456	for reference)	42.11	
8	220+456	220+497		71.11	
6.	220+497	220+534		37.00	
10	220+534	220+571		37.00	
11	220+571	220+615		73.85	
12	220+615	220+659	:	43.05	
13	220+659	220+703		13.85	
14	220+703	220+744		10.00	
15	220+744	220+786		C+1.4	
16	220+786	220+827		27.17	
17	220+827	220+869		27.17	
18	220+869	220+910		41.45	
19	220+910	220+952		71.43	- /
20	220+952	220+993		41.43	
ALABAMA MA				41.40	-





#### Appendix B XV

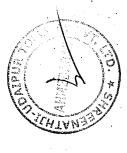
#### Details of New Tunnel

#### Construction of New Tunnel\*

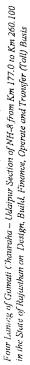
The following New Tunnel shall be constructed.

	C/s Type	÷	TS10		
	Side	•	BS		
	Width (m)	(111)	As per TCS	10	
	Length (km)		0.450		0.450
	inage (km)	To	252+416		
	Design Chainage (km)	From	251+966		al
5	EXISUNG Chainage (km)	From To	1	8	I ota
30	No.		,—4		

\*The proposal for Tunnel is preliminary and does not include Geo-Technical Investigation and Concessionaire is required to carry out Geo-Technical Investigation for implementation. The indicated length of Tunnel is minimum and any deviations in proposal will not be considered as change of scope of work.







B-41

Request for Proposal – Bid Docunient Volune-III: Schedules

Appendix B XVI

Details of Built up / Urban Section

hainage		205+793	209+093	221+053	210+617	223+393
Existing Chainage	O.L.	191+793	207+793	219+593	218+807	221+543
hainage		206/673	209/968	222/100	220/500	223/300
Existing Chainage	From	192/579	208/672	220/500	219/700	222/600





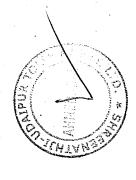


Request for Proposal – Bid Document Volume-III: Schedules

Appendix B XVII

Details of Stretches to be reconstructed due to Pavement condition

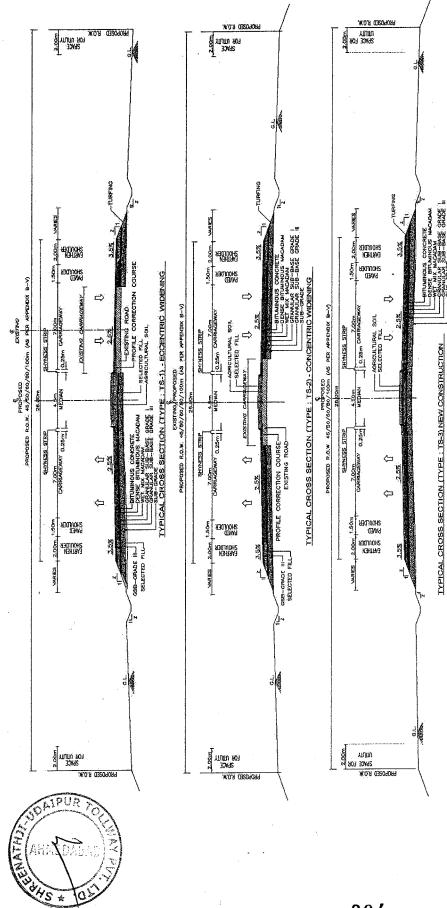
Reconstruction	TOTAL TOTAL		-		Reconstruction from Sub-Grade Bottom		
hainage	To	182+041	193+221	216+110	226+648	251+388	
Existing Chainage	To	180+009	191+414	215+125	225+053	. 250+688	
Chainage	From	182/000	194/000	217/000	227/600	254/700	
Existing Chainage	From	180/000	192/200	216/000	226/000	254/000	





Four Laning of Gomati Chauraha — Udaipur Section of NH-8 from Km 177.0 to Km 260,100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis

National Highways Authority of India

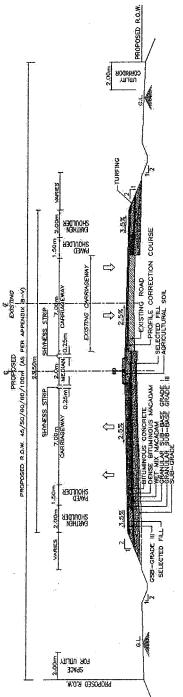


NOISE. THE DIMENSIONS ARE IN METER UNLESS OTHERWISE SPECIFIED.
2. WHEREVER THERE IS CHANGE IN CROSS SECTIONS 1.9. MEDIAN, CARRAGEMY & PAYED SHOULDER; TAPER SHALL BE PROVIDED AS PER PROVISIONS CONTAIN IN IRC 73:1960 TO MATCH THE NEXT CROSS SECTION.

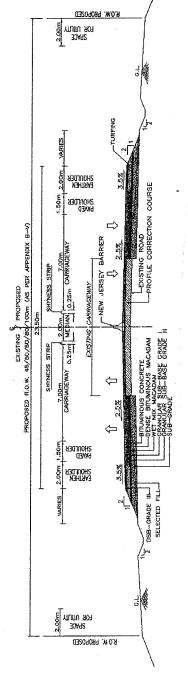


Four Laning of Gomati Chauraha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis

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TYPICAL CROSS SECTION (1YPE: TS-4) - ECCENTRIC WIDENING



TYPICAL CROSS SECTION (TYPE : TS-5) - CONCENTRIC WIDENING

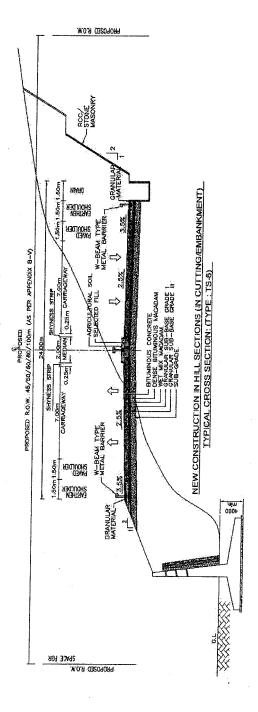
1. ALT THE DIMENSIONS ARE IN WETER UNLESS OTHERWISE SPECIFIED. 2. WHEREVER THERE IS CHANGE IN GROSS SECTIONS 1.8. MEDIAN, CARRIAGEMÁY & PAVED SHOULDER; TAPER, SHALL BE PROVIDED AS PER PROVISIONS CONTAIN IN IRC 73:1980 TO MATCH THE NEXT CROSS SECTION.

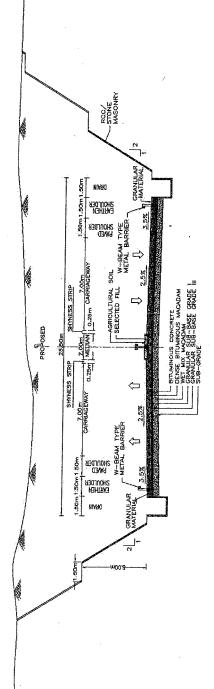


Four Laning of Gomati Chauraha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100

in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis

Request for Proposal – Bid Document Volume-III: Schedules

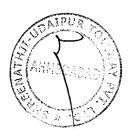




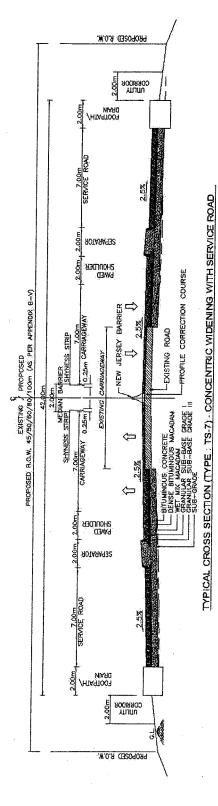
NEW CONSTRUCTION IN HILL SECTIONS (IN CUTTING)
TYPICAL CROSS SECTION: (TYPE: TS-6A)

NOIGE:
1. ALL THE DIMENSIONS ARE IN METER UNLESS OTHERWISE SPECIFIED.
2. WHEREVER THERE IS CHANGE IN CROSS SECTIONS 1.6. MEDIAN, CARRIAGEWAY & PAVED SHOULDER; TAPER SHALL BE PROVIDED AS PER PROVISIONS CONTAIN IN IRC 73:1980 TO MATCH THE NEXT CROSS SECTION

Four Laning of Gomati Chauraha — Udaipur Section of NH-8 from Km 177.0 to Km 260,100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis







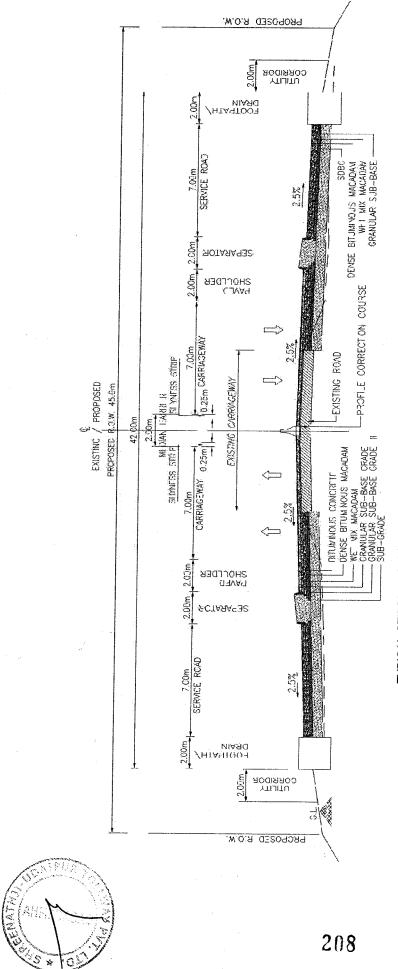
E HIATIOOT MARIO -EXISTING ROAD
-PROFILE CORRECTION COURSE SHOULDER PAVED NEW JERSEY BARRIER SHYNESS STRIP PROPOSED R.O.W. 45/50/60/80/100m (AS PER EXISTING CARRIAGEWAY . 10.25m PROPOSED SHYNESS STRIP BARRER UB-BASE GRADE III EXISTING F 0.25m 2.5% SHOULDER FOOTPATH/ NIA90 PROPOSED R.O.W.

PROPOSED R.O.W.

TYPICAL CROSS SECTION 6-LANE(TYPE : TS-8) - CONCENTRIC WIDENING WITH COVERED DRAIN

1. ALL THE DIMENSIONS ARE IN METER UNLESS OTHERWISE SPECIFIED
2. WHEREVER THERE IS CHANGE IN CROSS SECTIONS 1.6. MEDIAN, CARRIAGEWAY & PAVED SHOULDER, TAPER SHALL BE PROVIDED AS PER PROVISIONS CONTAIN IN IRC 73:1980 TO MATCH THE NEXT CROSS SECTION.

Four Laning of Gomati Chauraha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis



TYPICAL CROSS SECTION (TYPE: TS-9) CONCENTRIC WIDENING WITH SERVICE ROAD



Four Laning of Gomati Chauraha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis

National Highways Authority of India



-CABLE BOX E /MARIO 38 [ 0.50m TO 1.0m VARIABLE—SHYNESS STRIP - RAILING FINISHED LINE -ТООТРАТН ЗТВПР ВНУЙЕЗБ 0.75m CABLE BOX-FIRE FIGHTING WATER LINE WALKWAY BASO TO 2.0 TINES THE SIDTH OF TURNED. FIRE FIGHTING WATER LINE -WALKWAY -CABLE BOX - FINISHED LINE g seamy s mars 0.50m TO 1.0m VARIABLE SHYNESS STRIP /имяд нтачтора

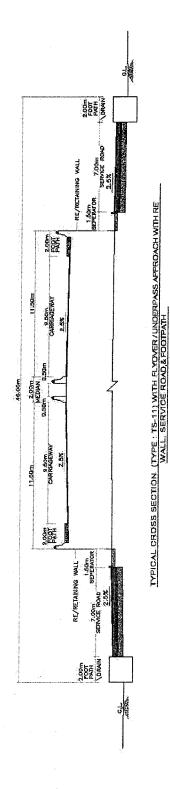
CABLE BOX-

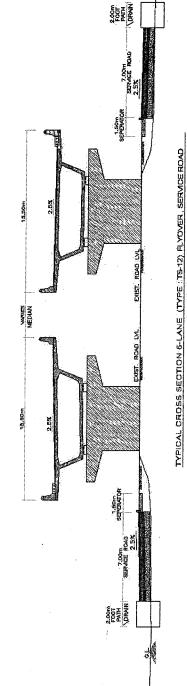
0,75m

CROSS SECTION OF TUNNEL (TS-10)



Four Laning of Gomati Chauraha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis





I YPICAL CHOSS SECTION 6-LANE (TYPE: TS-12) FLYOVER, SERVICER

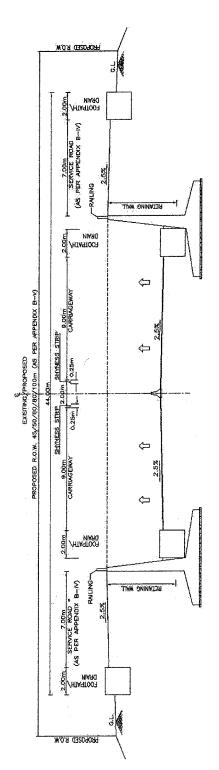
& FOOTPATH



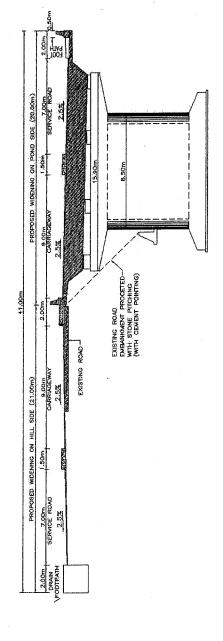
NOTES:
1. ALI THE DMENSIONS ARE IN METER UNLESS, OTHERWISE SPECIFIED
2. WHEREVER THERE IS CHANGE IN GROSS SECTIONS 1.9. NEDWY, CARRAGEWAY & PAYED SHOULDER; TAPER SHALL BE PROVIDED AS PER PROVISIONS CONTAIN IN IRC 73:1980 TO MATCH THE NEXT CROSS SECTION.

Four Laning of Gomati Chauraha — Udaipur Section of NH+8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis





TYPICAL CROSS SECTION (TYPE : TS-13) - HILL SECTION (IN CUTTING)

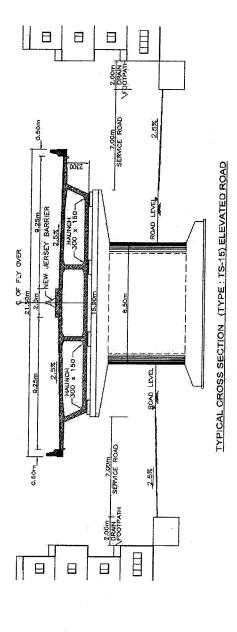


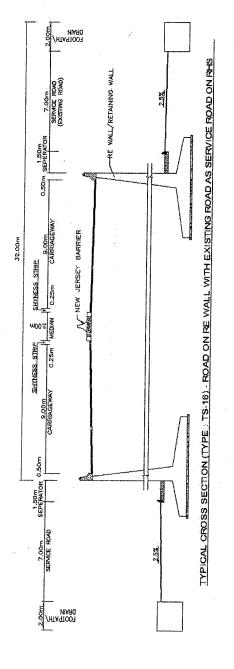
TYPICAL CROSS SECTION (TYPE: TS-14) BRIDGE IN POND ON RHS AT GRADE WIDENING ON LHS





Four Laning of Gomati Chauraha — Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis

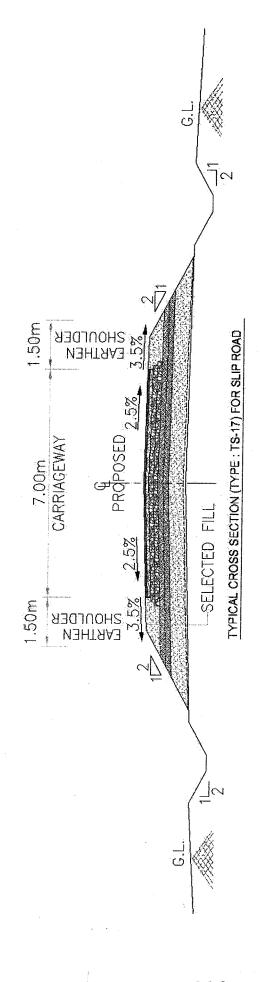








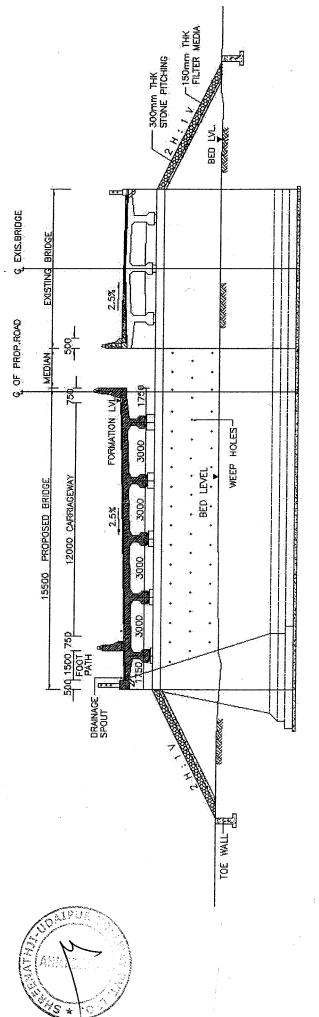
Four Laning of Gomati Chauraha -- Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis





Four Laning of Gomati Chauraha — Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis

National Highways Authority of India



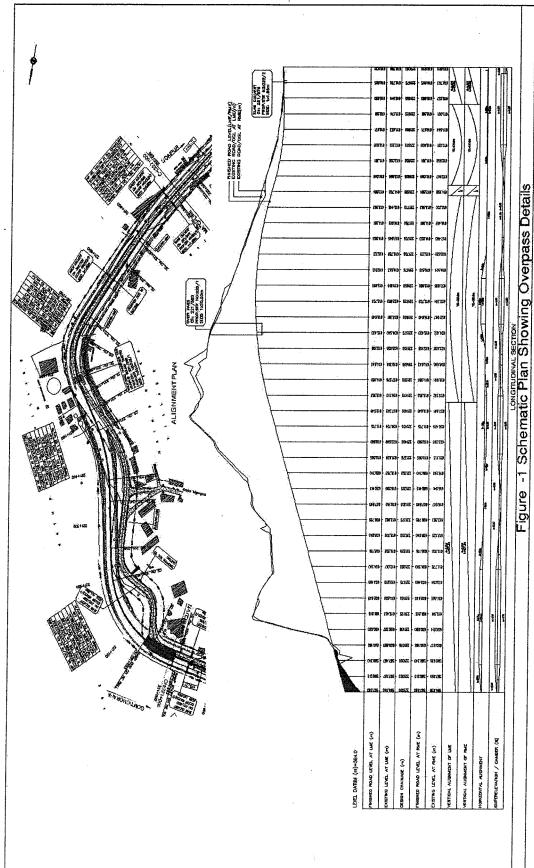
TYPICAL CROSS SECTION (TYPE : TS-18) FOR MAJOR BRIDGE

Note: Proposed ROW shown in TS-1 to TS-18 (Page B-44 to B-54) shall be read in conjunction with "Details of Proposed ROW" given at Appendix B V (Page B-12)



Four Laning of Gomati Chauraha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis

National Highways Authority of India



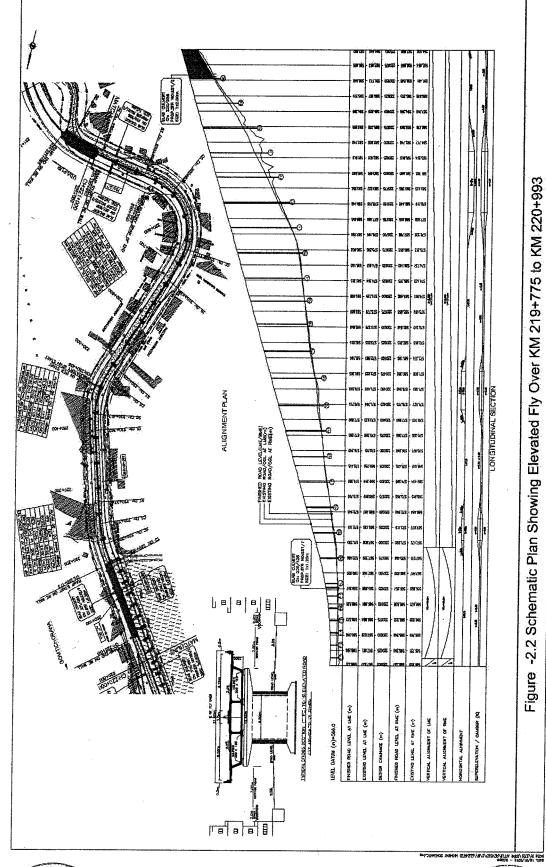
Four Laning of Gomati Chauraha — Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis

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Figure -2.1 Schematic Plan Showing Elevated Fly Over KM 219+775 to KM 220+993

Four Laning of Gomati Chauraha — Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis



Four Laning of Gomati Chauraha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis



# SCHEDULE - C

(See Clause 2.1)

#### PROJECT FACILITIES

#### 1. Project Facilities

The Concessionaire shall construct the Project Facilities in accordance with the provisions of this Agreement. Such Project Facilities shall include:

- (a) toll plaza;
- (b) roadside furniture;
- (c) street lighting;
- (d) pedestrian facilities;
- (e) landscaping and tree plantation;
- (f) rest areas;
- (g) truck lay-bys;
- (h) bus-bays and bus shelters;
- (i) cattle crossings;
- (j) development of site for way side amenities;
- (k) traffic aid posts;
- (l) medical aid posts;
- (m) vehicle rescue posts;
- (n) telecom system; and

# 2. Project Facilities for Four Laning

Project Facilities forming part of Four-Laning and to be completed on or before the Project Completion Date have been described in Annex-I of this Schedule C.

#### 3. Project Facilities for Six-Laning

Deleted





# ANNEX-I (Schedule-C) PROJECT FACILITIES FOR FOUR LANING

#### 1. Project Facilities

The Concessionaire shall construct the Project Facilities described in this Annex-I to form part of the Four Lane Project Highway. The Project Facilities shall include:

- (a) toll plazas;
- (b) roadside furniture;
- (c) pedestrian facilities;
- (d) landscaping and tree plantation;
- (e) truck lay-bys;
- (f) bus-bays and bus shelters; and
- (g) others
  - i. cattle crossing;
  - ii. development of site for way side amenities;
  - iii. traffic aid post;
  - iv. medical aid post;
  - v. vehicle rescue post;
  - vi. telecom system; and

#### 2. Description of Proposed Facilities

Each of the project facility is briefly described below:

#### a) Toll Plazas (2 Nos.)

Toll Plaza shall be provided at location given below:

Sr.	Location of Toll Plaza (Design Chainage)
No.	
1	187+244
2	238+170



Specifications and other requirement of the toll plaza shall be strictly as per Schedule "D".

#### b) Road Side Furniture

#### (i) Traffic Signs and Pavement Markings

Traffic signs and pavement markings shall include roadside signs, overhead signs; curb mounted signs and road marking along the Project Highway. The design and marking along the project highway. The design and marking for the project highway shall be as per the design standard indicated in Schedule- D and the location for various treatments shall be finalized in consultation with the Independent Engineer.

- (ii) Concrete Crash Barrier, Metal beam crash barrier, Separators (MS railing)
- (iii) Traffic Safety Devices
- (iv) Boundary Stones
- (v) Hectometer / Kilometer Stones
- (vi) Traffic Blinker Signal (L.E.D) at intersections

#### c) Pedestrian Facilities

The additional pedestrian facilities in the form of guard rails, footpath, lighting, etc shall be provided in urban areas.

### d) Landscaping and Tree Plantation

Landscaping of highway shall be done on, but not limited to the following:

Median
Grade Separated Intersections
At-Grade islands of the intersection locations
Toll Plaza area

#### e) Rest Areas and Truck Laybyes

Rest areas shall be provided in accordance with clause 12.6 of section-12 of the Manual of Specifications and Standards. Truck Lay-bys shall be provided at locations at Appendix C-I

#### f) Bus Bays / Bus Shelters (20 Nos.)

Bus byes and bus shelter shall be provided at locations given at Appendix C-II



#### g) Others

The facilities shall be provided as per "Manual of Specification and Standards for Four laning of National Highways through PPP" and mentioned under:

#### Rest Area

Nil.

#### Overhead Sign

Overhead signs shall be provided 2 nos. Each at Toll Plaza, Bypass, Realignments and Urban Sections, 1 no. each shall be at start and end of Project.

#### Highway lighting

Lighting shall be provided at the following locations:

- i. Lighting shall be provided at approach to bridges, Built up areas, Toll Plaza, Bus bays, Truck Laybyes, rest area, and as per Schedule D (IRC: SP; 84-2009).
- ii. High Mast Lighting shall be provided at all Major junctions, Toll plaza locations, Rest areas.
- iii. Lighting shall be provided in following section:

Sr. No.	Design (	Chainage	•
	From	То	Length (in M)
1	181+741	182+141	400
2	192+288	206+288	
3	208+288	209+588	14000
4	220+088	221+548	1300
5	222+038	223+888	1460
6	224+783	225+783	1850
7.	232+205	233+205	1000
8	181+741	182+141	1000

#### **Traffic Aid Posts**

The Project Highway shall be provided with Traffic Aid Posts facilities as per Schedule D and in consultation with NHAI and Independent Engineer.

#### **Highway Patrol**

The Project Highway shall be provided with Highway Patrol units as per Schedule D and in consultation with NHAI and Independent Engineer.

### Ambulance (s) / Medial Aid Posts

Provide Medical Aid Post and the Ambulance (s) services covering for the entire Project Highway. These shall confirm to the specifications mentioned in Schedule D.



#### Cranes / Vehicle Recue Posts

Provide the Crane services covering for the entire Project Highway. These shall confirm to the specifications mentioned in Schedule D.

#### **Highway Traffic Management Systems**

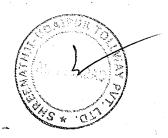
The Project Highway shall be provided with HTMS facilities as per Schedule D and in consultation with NHAI and Independent Engineer so as to have enhanced safety for the users/travelers, to collect information for the traffic operations, to provide information to the users on real time basis for the traffic flow conditions and the incidents ahead. Based on these, the traffic managers should be able to exercise control on changing the variable message signs, mobilizing the movement of ambulances, cranes, highway patrol units and fire tenders.

Variable Message Signs (VMS) are to be provided at 20 Km interval on either side of the Project Highway.

#### Utilities

Provision for accommodating utilities shall be made over as well as underground within utility corridor on either side of the Project Highway.





# Appendix C-I

# Proposed Truck Lay-bye locations

Sr.	Truck Laybyes		
No.	Design Chainage	Side	
1	180+490	Both	
2	191+193	Both	
3	234+260	Both .	





# Appendix C-II

# Location of Bus bays

Sr.	Bu	s Bays
No.	Design Chainage	Side
1	186+245	Both
2	206+543	Both
3	. 211+400	Both
4	212+893	Both
5	214+993	Both
6	227+660	Both
7	229+260	Both
8	245+519	Both
. 9	250+286	Both
· 10	255+421	Both





# SCHEDULE - D

(See Clause 2.1)

### SPECIFICATIONS AND STANDARDS

### 1 Four-Laning

The Concessionaire shall comply with the Specifications and Standards set forth in Annex-I of this Schedule-D for construction of the Four-Lane Project Highway.

### 2 Six-Laning

Deleted





# ANNEX-I (Schedule-D)

# Specifications and Standards for Four -Laning

# 1. Manual of Specifications and Standards to apply

Subject to the provisions of Paragraph 2 of this Annex-I Four-Laning of the Project Highway shall conform to the IRC SP 84-2009, Manual of Specifications and Standards for four laning of highways through public private partnership.

# 2. Deviations from the Manual

Notwithstanding anything to the contrary contained in the aforesaid Manual, the following Specifications and Standards shall apply to the Four-lane Project Highway, and for purposes of this Agreement, the aforesaid Manual shall be deemed to be amended to the extent set forth below:

#### Deviations from the Manual

Sr.	Clause	Item	Provision as	Modified Provision		Remarks
No.	Referred		per Manual			
	in the			•		4
	Manual					<u> </u>
1	2.16 - fig	Paved	No provision	1.5m widt		
	no 2.9	Shoulder	for Hill	Shou	lder	
art en e			section			
2	2.9.4 table	Absolute	Plain /	Km		
	2.6	Minimum	Rolling	180+817,		
		Horizontal	terrain -	181+788,	Radius	
		Curve Radius	250m	182+046,	230mi	
				202+213,	•	
			.i	215+884	,	
				200+143	170	
	1	,		215+548	220	
		Desirable .	Mountainous	220+449	125	
	7	minimum	and Steep	220+786	87	
		Horizontal	terrain -	221.626	100	
		curve Radius	150m	221+626	100	
3	7.3	Width of	4 Lane	New 1x3 I	ane Major	
,	1.5	Structure		Bridge at k		
		Diractare		& 218+258		
			-		SPUS	1



Four Laning of Gomati Chauraha – Udaipur Section of NH-8 from Km 177.0 to Km 260.100 in the State of Rajasthan on Design, Build, Finance, Operate and Transfer (Toll) Basis

Γ	Sr.	Clause	Item	Provision as	Modified Provision Remarks
	No.	Referred	and a grown of the color	per Manual	
	*	in the Manual			
	4	7.3	Nathdwara	4 Lane with	4 Lane without footpath
			Elevated Road	footpath	
	1.		Structure		
	5		Tunnel at Chirwa Ghat	4 Lane.	6 Lane.
-	6	5.5.5	Pavement	Pavement	Pavement design for service road
			design for	design for	shall be for 5 MSA traffic except
			Service road	service road	for Service Road between KM
				shall be for	191+798 and KM 205+793 (design
				5 MSA	chainage), which shall be as per
				traffic	main carriageway pavement design.
$\vdash$	7	6.2	Surface	CC Lined	The proposed longitudinal drains at
			Drainage	Drain	the stretches of TS8 and Median
1					drain at Super-elevated stretches
					shall be of RCC and remaining
		•			stretches shall be of Stone Masonry
	8	12.12	Highway	Provision	HTMS shall be provided
			Traffic	required	irrespective of traffic volume.
			Management	when daily	
1			System	traffic	
			(HTMS)	exceeds	
				40,000	
				PCUs.	





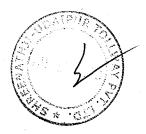
# SCHEDULE –E (See Clause 4.1.3)

# APPLICABLE PERMITS

#### 1 Applicable Permits

- 1.1 The Concessionaire shall obtain, as required under the Applicable Laws, the following Applicable Permits on or before the Appointed Date, save and except to the extent of a waiver granted by the Authority in accordance with Clause 4.1.3 of the Agreement:
  - (a) Permission of the State Government for extraction of boulders from quarry;
  - (b) Permission of Village Panchayat and Pollution Control Board for installation of crushers;
  - (c) Licence for use of explosives;
  - (d) Permission of the State Government for drawing water from river/reservoir;
  - (e) Licence from Inspector of factories or other competent authority for setting up Batching Plant;
  - (f) Clearance of Pollution Control Board for setting up Batching Plant;
  - (g) Clearance of Village Panchayats and Pollution Control Board for Asphalt Plant;
  - (h) Permission of Village Panchayat and State Government for borrow earth;
  - (i) Permission of State Government for cutting of trees; and
  - (j) Any other permits or clearances required under Applicable Laws.
- 1.2 Applicable Permits, as required, relating to environmental protection and conservation shall have been procured by the Authority as a Condition Precedent.





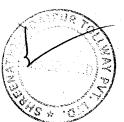
# SCHEDULE -F (See Clause 9.1)

#### PERFORMANCE SECURITY

The Chairman, National Highways Authority of India New Delhi

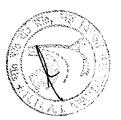
#### WHEREAS:

- (B) The Agreement requires the Concessionaire to furnish a Performance Security to the Authority in a sum of Rs. 45.73 Crores (Rupees Forty Five Crores and Seventy Three Lakhs Only) (the "Guarantee Amount") as security for due and faithful performance of its obligations, under and in accordance with the Agreement, during the Construction Period (as defined in the Agreement).
- (C) We, ...... through our Branch at ..... (the "Bank") have agreed to furnish this Bank Guarantee by way of Performance Security.
  - NOW, THEREFORE, the Bank hereby, unconditionally and irrevocably, guarantees and affirms as follows:
- 1. The Bank hereby unconditionally and irrevocably guarantees the due and faithful performance of the Concessionaire's obligations during the Construction Period, under and in accordance with the Agreement, and agrees and undertakes to pay to the Authority, upon its mere first written demand, and without any demur, reservation, recourse, contest or protest, and without any reference to the Concessionaire, such sum or sums upto an aggregate sum of the Guarantee Amount as the Authority shall claim, without the Authority being required to prove or to show grounds or reasons for its demand and/or for the sum specified therein.
- 2. A letter from the Authority, under the hand of an Officer not below the rank of General Manager in the National Highways Authority of India, that the Concessionaire has committed default in the due and faithful performance of all or any of its obligations under and in accordance with the Agreement shall be conclusive, final and binding on the Bank. The Bank further agrees that the Authority shall be the sole judge as to whether the Concessionaire is

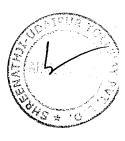


in default in due and faithful performance of its obligations during the Construction Period under the Agreement and its decision that the Concessionaire is in default shall be final, and binding on the Bank, notwithstanding any differences between the Authority and the Concessionaire, or any dispute between them pending before any court, tribunal, arbitrators or any other authority or body, or by the discharge of the Concessionaire for any reason whatsoever.

- 3. In order to give effect to this Guarantee, the Authority shall be entitled to act as if the Bank were the principal debtor and any change in the constitution of the Concessionaire and/or the Bank, whether by their absorption with any other body or corporation or otherwise, shall not in any way or manner affect the liability or obligation of the Bank under this Guarantee.
- 4. It shall not be necessary, and the Bank hereby waives any necessity, for the Authority to proceed against the Concessionaire before presenting to the Bank its demand under this Guarantee.
- 5. The Authority shall have the liberty, without affecting in any manner the liability of the Bank under this Guarantee, to vary at any time, the terms and conditions of the Agreement or to extend the time or period for the compliance with, fulfilment and/ or performance of all or any of the obligations of the Concessionaire contained in the Agreement or to postpone for any time, and from time to time, any of the rights and powers exercisable by the Authority against the Concessionaire, and either to enforce or forbear from enforcing any of the terms and conditions contained in the Agreement and/or the securities available to the Authority, and the Bank shall not be released from its liability and obligation under these presents by any exercise by the Authority of the liberty with reference to the matters aforesaid or by reason of time being given to the Concessionaire or any other forbearance, indulgence, act or omission on the part of the Authority or of any other matter or thing whatsoever which under any law relating to sureties and guarantors would but for this provision have the effect of releasing the Bank from its liability and obligation under this Guarantee and the Bank hereby waives all of its rights under any such law.
- 6. This Guarantee is in addition to and not in substitution of any other guarantee or security now or which may hereafter be held by the Authority in respect of or relating to the Agreement or for the fulfilment, compliance and/or performance of all or any of the obligations of the Concessionaire under the Agreement.
  - Notwithstanding anything contained hereinbefore, the liability of the Bank under this Guarantee is restricted to the Guarantee Amount and this Guarantee will remain in force until the earlier of the 1<sup>st</sup> (first) anniversary of the Appointed Date or compliance of the conditions specified in paragraph 8 below and unless a demand or claim in writing is made by the Authority on the Bank under this Guarantee, no later than 6 (six) months from the date of expiry of this Guarantee, all rights of the Authority under this Guarantee shall be forfeited and the Bank shall be relieved from its liabilities hereunder.



7.



- 8. The Performance Security shall cease to be in force and effect when the Concessionaire shall have expended on Project construction an aggregate sum not less than 20% (twenty per cent) of the Total Project Cost which is deemed to be Rs. 182.90 cr. (Rupees One Hundred Eighty Two Crores and Ninety Lakhs Only) for the purposes of this Guarantee, and provided the Concessionaire is not in breach of this Agreement. Upon request made by the Concessionaire for release of the Performance Security alongwith the particulars required hereunder, duly certified by a statutory auditor of the Concessionaire, the Authority shall release the Performance Security forthwith.
- 9. The Bank undertakes not to revoke this Guarantee during its currency, except with the previous express consent of the Authority in writing, and declares and warrants that it has the power to issue this Guarantee and the undersigned has full powers to do so on behalf of the Bank.
- 10. Any notice by way of request, demand or otherwise hereunder may be sent by post addressed to the Bank at its above referred Branch, which shall be deemed to have been duly authorised to receive such notice and to effect payment thereof forthwith, and if sent by post it shall be deemed to have been given at the time when it ought to have been delivered in due course of post and in proving such notice, when given by post, it shall be sufficient to prove that the envelope containing the notice was posted and a certificate signed by an officer of the Authority that the envelope was so posted shall be conclusive.
- 11. This Guarantee shall come into force with immediate effect and shall remain in force and effect for a period of one year and six months or until it is released earlier by the Authority pursuant to the provisions of the Agreement.

Signed and sealed this	day of	20	at	



SIGNED, SEALED AND DELIVERED For and on behalf of the BANK by:

(Signature) (Name) (Designation) (Code Number) (Address)

#### NOTES:

(i) The bank guarantee should contain the name, designation and code number of the officer(s) signing the guarantee. 231



(ii) The address, telephone number and other details of the Head Office of the Bank as well as of issuing Branch should be mentioned on the covering letter of issuing Branch.





# SCHEDULE –G (See Clause 12.1)

#### PROJECT COMPLETION SCHEDULE

#### 1 Project Completion Schedule

During Construction Period, the Concessionaire shall comply with the requirements set forth in this Schedule-G for each of the Project Milestones and the Scheduled Four-Laning Date (the "Project Completion Schedule"). Within 15 (fifteen) days of the date of each Project Milestone, the Concessionaire shall notify the Authority of such compliance alongwith necessary particulars thereof.

### 2 Project Milestone-I

- 2.1 Project Milestone-I shall occur on the date falling on the 180th (one hundred and eightieth) day from the Appointed Date (the "Project Milestone-I").
- 2.2 Prior to the occurrence of Project Milestone-I, the Concessionaire shall have commenced construction of the Project Highway and expended not less than 10% (ten per cent) of the total capital cost set forth in the Financial Package.

#### 3 Project Milestone-II

- 3.1 Project Milestone-II shall occur on the date falling on the 400th (four hundredth) day from the Appointed Date (the "Project Milestone-II").
- 3.2 Prior to the occurrence of Project Milestone-II, the Concessionaire shall have commenced construction of all bridges and expended not less than 35% (thirty five per cent) of the total capital cost set forth in the Financial Package.

### 4 Project Milestone-III

- 4.1 Project Milestone-III shall occur on the date falling on the 650th (six hundred and fiftieth) day from the Appointed Date (the "Project Milestone-III").
- 4.2 Prior to the occurrence of Project Milestone-III, the Concessionaire shall have commenced construction of all Project Facilities and expended not less than 70% (Seventy per cent) of the total capital cost set forth in the Financial Package.

#### 5 Scheduled Four-Laning Date

The Scheduled Four-Laning Date shall occur on the 910th (nine hundred and tenth) day from the Appointed Date.





5.2 On or before the Scheduled Four-Laning Date, the Concessionaire shall have completed Four-Laning in accordance with this Agreement.

# 6 Extension of period

Upon extension of any or all of the aforesaid Project Milestones or the Scheduled Four-Laning Date, as the case may be, under and in accordance with the provisions of this Agreement, the Project Completion Schedule shall be deemed to have been amended accordingly.





# SCHEDULE -H (See Clause 12.3)

#### **DRAWINGS**

#### 1 Drawings

In compliance of the obligations set forth in Clause 12.3 of this Agreement, the Concessionaire shall furnish to the Independent Engineer, free of cost, all Drawings listed in Annex-I of this Schedule-H.

#### 2 Additional drawings

If the Independent Engineer determines that for discharging its duties and functions under this Agreement, it requires any drawings other than those listed in Annex-I, it may by notice require the Concessionaire to prepare and furnish such drawings forthwith. Upon receiving a requisition to this effect, the Concessionaire shall promptly prepare and furnish such drawings to the Independent Engineer, as if such drawings formed part of Annex-I of this Schedule-H.





#### Annex - I (Schedule-H)

# List of Drawings Part A - Drawings for Four Lanings

- 1. The Project Highway drawings, as defined in Clause 1.1, Definitions, Article 1, Definitions and Interpretation, Part-I: Preliminary, of the Concession Agreement shall consist:
  - (a) Working Drawings of all the components/elements of the Project Highway as determined by Independent Engineer/NHAI, and
  - (b) As-built drawings for the Project Highway components/elements as determined by IE/NHAI. As-built drawings shall be duly certified by Independent Engineer.
- 2. A minimum list of the drawings of the various components/elements of the Project Highway and project facilities required to be submitted by the Concessionaire is given below:
  - (a) Drawings of horizontal alignment, vertical profile and cross sections
  - (b) Drawings of cross drainage works
  - (c) Drawings of interchanges, major intersections, grade separators, underpasses and ROB's
  - (d) Drawings of toll plaza layout, toll collection systems and roadway near toll plaza
  - (e) Drawings of Control Centre
  - (f) Drawings of bus-bay and bus shelters with furniture and drainage system
  - (g) Drawing of a truck parking lay bye with furniture and drainage system
  - (h) Drawings of road furniture items including traffic signage, markings, safety barriers, etc.
  - (i) Drawings of traffic diversion plans and traffic control measures
  - (j) Drawings of road drainage measures
  - (k) Drawings of typical details slope protection measures
  - (I) Drawings of landscaping and horticulture
  - (m) Drawings of pedestrian crossings
  - (n) Drawings of street lighting
  - (o) Layout/Configuration of HTMS
  - (p) General arrangement showing area of Base camp and Administrative Block





# SCHEDULE –I (See Clause 14.1.2)

#### **TESTS**

#### 1 Schedule for Tests

- 1.1 The Concessionaire shall, no later than 30 (thirty) days prior to the likely completion of Four-Laning, notify the Independent Engineer and the Authority of its intent to subject the Project Highway to Tests, and no later than 7 (seven) days prior to the actual date of Tests, furnish to the Independent Engineer and the Authority detailed inventory and particulars of all works and equipment forming part of Four-Laning.
- 1.2 The Concessionaire shall notify the Independent Engineer of its readiness to subject the Project Highway to Tests at any time after 7 (seven) days from the date of such notice, and upon receipt of such notice, the Independent Engineer shall, in consultation with the Concessionaire, determine the date and time for each Test and notify the same to the Authority who may designate its representative to witness the Tests. The Independent Engineer shall thereupon conduct the Tests itself or cause any of the Tests to be conducted in accordance with Article 14 and this Schedule-I.

#### 2 Tests

- 2.1 Visual and physical Test: The Independent Engineer shall conduct a visual and physical check of Four-Laning to determine that all works and equipment forming part thereof conform to the provisions of this Agreement.
- 2.2 Test drive: The Independent Engineer shall undertake a test drive of the Project Highway by a Car and by a fully loaded Truck to determine that the quality of service conforms to the provisions of the Agreement.
- 2.3 Riding quality Test: Riding quality of each lane of the carriageway shall be checked with the help of a calibrated bump integrator and the maximum permissible roughness for purposes of this Test shall be 1,800 (one thousand and eight hundred) mm for each kilometre.
- 2.4 Pavement Composition Test: The thickness and composition of the pavement structure shall be checked on a sample basis by digging pits to determine conformity of such pavement structure with Specifications and Standards. The sample shall consist of one pit in each direction of travel to be chosen at random in each stretch of 5 (five) kilometres of the Project Highway. The first pit for the sample shall be selected by the Independent Engineer through an open draw of lots and every fifth kilometre from such first pit shall form part of the sample for this pavement quality Test.
- 2.5 Cross-section Test: The cross-sections of the Project Highway shall be checked on a sample basis through physical measurement of their dimensions for determining the conformity thereof with Specifications and





Standards. For the road portion, the sample shall consist of one spot to be selected at random in each stretch of 1 (one) kilometre of the Project Highway. The first spot for the sample shall be selected by the Independent Engineer through an open draw of lots and the spots located at every one kilometre from such first spot shall form part of the sample. For the bridge portion, one spot shall be selected at random by the Independent Engineer in each span of the bridge.

- 2.6 Structural Test for bridges: All major and minor bridges constructed by the Concessionaire shall be subjected to the Rebound Hammer and Ultrasonic Pulse Velocity tests, to be conducted in accordance with the procedure described in Special Report No. 17: 1996 of the IRC Highway Research Board on Non-destructive Testing Techniques, at two spots in every span, to be chosen at random by the Independent Engineer. Bridges with a span of 15 (fifteen) metres or more shall also be subjected to load testing.
- 2.7 Other Tests: The Independent Engineer may require the Concessionaire to carry out or cause to be carried additional Tests, in accordance with Good Industry Practice, for determining the compliance of the Project Highway with Specifications and Standards.
- 2.8 Environmental audit: The Independent Engineer shall carry out a check to determine conformity of the Project Highway with the environmental requirements set forth in Applicable Laws and Applicable Permits.
- 2.9 Safety review: Safety audit of the Project Highway shall have been undertaken by the Safety Consultant as set forth in Schedule-L, and on the basis of such audit, the Independent Engineer shall determine conformity of the Project Highway with the provisions of this Agreement.

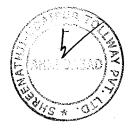
#### 3 Agency for conducting Tests

All Tests set forth in this Schedule-I shall be conducted by the Independent Engineer or such other agency or person as it may specify in consultation with the Authority.

#### 4 Completion/Provisional Certificate

Upon successful completion of Tests, the Independent Engineer shall issue the Completion Certificate or the Provisional Certificate, as the case may be, in accordance with the provisions of Article 14.





#### SCHEDULE –J (See Clauses 14.2 & 14.3)

#### **COMPLETION CERTIFICATE**

- It is certified that, in terms of the aforesaid Agreement, all works forming part of Four-Laning have been completed, and the Project Highway is hereby declared fit for entry into commercial operation on this the ....... day of ....... 20.....

SIGNED, SEALED AND DELIVERED For and on behalf of the INDEPENDENT ENGINEER by:

(Signature) (Name) (Designation) (Address)





#### PROVISIONAL CERTIFICATE

- I, ...... (Name of the Independent Engineer), acting as Independent Engineer, under and in accordance with the Concession Agreement dated ...... (the "Agreement"), for Four-Laning of the Gomati Chauraha – Udaipur section (km 177.000 to km 260.100) of National Highway No. 8 (the "Project Highway") on design, build, finance, operate transfer (DBFOT) basis through SHREENATHJI-UDAIPUR TOLLWAY PRIVATE LIMITED, hereby certify that the Tests specified in Article 14 and Schedule-I of the Agreement have been undertaken to determine compliance of the Project Highway with the provisions of the Agreement.
- 2 Construction Works that were found to be incomplete and/or deficient have been specified in the Punch List appended hereto, and the Concessionaire has agreed and accepted that it shall complete and/or rectify all such works in the time and manner set forth in the Agreement. (Some of the incomplete works have been delayed as a result of reasons attributable to the Authority or due to Force Majeure and the Provisional Certificate cannot be withheld on this account. Though the remaining incomplete works have been delayed as a result of reasons attributable to the Concessionaire,)@ I am satisfied that having regard to the nature and extent of such incomplete works, it would not be prudent to withhold commercial operation of the Project Highway, pending completion thereof.
- 3 In view of the foregoing, I am satisfied that the Project Highway can be safely and reliably placed in commercial service of the Users thereof, and in terms of the Agreement, the Project Highway is hereby provisionally declared fit for entry into commercial operation on this the ...... day of ..... 20.....

ACCEPTED, SIGNED, SEALED AND DELIVERED

For and on behalf of

by:

CONCESSIONAIRE by:

(Signature) (Name and Designation) Designation) (Address)

SIGNED, SEALED AND **DELIVERED** For and on behalf of INDEPENDENT ENGINEER

> (Signature) (Name and

(Address)



Strike out if not applicable.



# SCHEDULE –K (See Clause 17.2)

# MAINTENANCE REQUIREMENTS

#### 1 Maintenance Requirements

- 1.1 The Concessionaire shall, at all times, operate and maintain the Project Highway in accordance with the provisions of the Agreement, Applicable Laws and Applicable Permits. In particular, the Concessionaire shall, at all times during the Operation Period, conform to the maintenance requirements set forth in this Schedule-K (the "Maintenance Requirements").
- The Concessionaire shall repair or rectify any defect or deficiency set forth in Paragraph 2 of this Schedule-K within the time limit specified therein and any failure in this behalf shall constitute a breach of the Agreement. Upon occurrence of any breach hereunder, the Authority shall be entitled to recover Damages as set forth in Clause 17.8 of the Agreement, without prejudice to the rights of the Authority under the Agreement, including Termination thereof.

# 2 Repair/rectification of defects and deficiencies

The obligations of the Concessionaire in respect of Maintenance Requirements shall include repair and rectification of the defects and deficiencies specified in Annex - I of this Schedule - K within the time limit set forth therein.

# 3 Other defects and deficiencies

- 3.1 In respect of any defect or deficiency not specified in Annex I of this Schedule-K, the Concessionaire shall undertake repair or rectification in accordance with Good Industry Practice.
- In respect of any defect or deficiency not specified in Annex I of this Schedule-K, the Independent Engineer may, in conformity with Good Industry Practice, specify the permissible limit of deviation or deterioration with reference to the Specifications and Standards, and any deviation or deterioration beyond the permissible limit shall be repaired or rectified by the Concessionaire within the time limit specified by the Independent Engineer.

#### Extension of time limit

Notwithstanding anything to the contrary specified in this Schedule-K, if the nature and extent of any defect or deficiency justifies more time for its repair or rectification than the time specified herein, the Concessionaire shall be entitled to additional time in conformity with Good Industry Practice. Such additional time shall be determined by the Independent Engineer and conveyed to the Concessionaire and the Authority with reasons thereof.



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#### 5 Emergency repairs/restoration

Notwithstanding anything to the contrary contained in this Schedule-K, if any defect, deficiency or deterioration in the Project Highway poses a hazard to safety or risk of damage to property, the Concessionaire shall promptly take all reasonable measures for eliminating or minimizing such danger.

#### 6 Daily Inspection by the Concessionaire

The Concessionaire shall, through its engineer, undertake a daily visual inspection of the Project Highway and maintain a record thereof in a register to be kept in such form and manner as the Independent Engineer may specify. Such record shall be kept in safe custody of the Concessionaire and shall be open to inspection by the Authority and the Independent Engineer at any time during office hours.

#### 7 Divestment Requirements

All defects and deficiencies specified in this Schedule-K shall be repaired and rectified by the Concessionaire so that the Project Highway conforms to the Maintenance Requirements on the Transfer Date.

#### 8 Display of Schedule - K

The Concessionaire shall display a copy of this Schedule-K at the Toll Plazas along with the Complaint Register stipulated in Article 46.





#### Annex - I (Schedule-K)

# Repair/Rectification of Defects and Deficiencies

The Concessionaire shall repair and rectify the defects and deficiencies specified in this Annex-I of Schedule-K within the time limit set forth herein.

Nature of defect or deficiency

Time limit for repair/ rectification

#### ROADS

- Carriageway and paved shoulders
- Breach or blockade

- Temporary / restoration of traffic within 24 hours; permanent restoration within 15 days
- Roughness value exceeding 2,500 mm in a stretch of 1 km (as measured by a standardised roughometer/bump integrator)
- 180 days

(iii) Pot holes

- 48 hours
- Cracking in more than 5% of road surface in a stretch of 1 km
- 30 days
- Rutting exceeding 10 mm in more than 2% of road
- 30 days
- surface in a stretch of 1 km (measured with 3 m straight edge)

Bleeding/skidding

- 7 days
- Ravelling/Stripping of bitumen surface exceeding (vii) 10 sq m
- 15 days
- (viii) Damage to pavement edges exceeding 10 cm
- 15 days

(ix) Removal of debris

- 6 hours
- Hard/earth shoulders, side slopes, drains and culverts (b)
- Variation by more than 2% in

30 days



the	prescribed	slope	of cam	ber/c	cross	fall	

- (ii) Edge drop at shoulders exceeding 40 mm 7 days
- (iii) Variation by more than 15% 30 days in the prescribed side (embankment) slopes
- (iv) Rain cuts/gullies in slope 7 days
- (v) Damage to or silting of culverts and side 7 days drains during and immediately preceding the rainy season
- (vi) Desilting of drains in urban/semi-urban areas 48 hours
- (c) Road side furniture including road signs and pavement marking
- (i) Damage to shape or position; 48 hours poor visibility or loss of retro-reflectivity
- (d) Street lighting and telecom (ATMS)
- (i) Any major failure of the system 24 hours
- (ii) Faults and minor failures 8 hours
- (e) Trees and plantation
- (i) Obstruction in a minimum head-room of 5 m above carriageway or obstruction in visibility of road signs
- 24 hours
- (ii) Deterioration in health of trees and bushes
- Timely watering and treatment
- (iii) Replacement of trees and bushes
- 90 days
- (iv) Removal of vegetation affecting sight line and road structures
- 15 days

- (f) Rest areas
- (i) Cleaning of toilets

- Every 4 hours
- (ii) Defects in electrical, water and sanitary installations
- 24 hours



#### (g) Toll plazas

- (i) Failure of toll collection equipment or lighting
- 8 hours

(ii) Damage to toll plaza

- 7 days

### (h) Other Project Facilities and Approach roads

- (i) Damage or deterioration in Approach Roads, pedestrian facilities, truck lay-bys, bus-bays, bus-shelters, cattle crossings, Traffic Aid Posts, Medical Aid Posts and other works
- 15 days

#### **BRIDGES**

#### (a) Superstructure of bridges

(i) Cracks
Temporary measures
Permanent measures

within 48 hourswithin 45 days

(ii) Spalling/scaling

-. 15 days

- (b) Foundations of bridges
- (i) Scouring and/or cavitation

- 15 days
- (c) Piers, abutments, return walls and wing walls of bridges
- (i) Cracks and damages including settlement and tilting

30 days

- (d) Bearings (metallic) of bridges
- (i) Deformation

15 days

- (e) Joints in bridges
- (i) Loosening and malfunctioning of joints

- 15 days

- (f) Other items relating to bridges
- (i) Deforming of pads in elastomeric bearings

7 days

- (ii) Gathering of dirt in bearings and joints; or clogging of spouts, weep holes and vent-holes
- 3 days
- (iii) Damage or deterioration in parapets and handrails
- 3 days

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(iv)	Rain-cuts or erosion of banks of the side slopes of approaches	<b>-</b>	15 days
(v)	Damage to wearing coat	-	15 days
(vi)	Damage or deterioration in approach slabs, pitching, apron, toes, floor or guide bunds	-	30 days
(vii)	Growth of vegetation affecting the structure or obstructing the waterway	<del>-</del>	15 days





# SCHEDULE –L (See Clause 18.1.1)

## SAFETY REQUIREMENTS

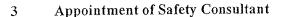
## 1 Guiding principles

- 1.1 Safety Requirements aim at reduction in injuries, loss of life and damage to property resulting from accidents on the Project Highway, irrespective of the person(s) at fault.
- Users of the Project Highway include motorised and non-motorised vehicles as well as pedestrians and animals involved in, or associated with accidents. Vulnerable Road Users (VRU) include pedestrians as well as riders of motorised two-wheelers, bicycles and other vehicles which do not provide adequate occupant protection.
- 1.3 Safety Requirements apply to all phases of construction, operation and maintenance with emphasis on identification of factors associated with accidents, consideration of the same, and implementation of appropriate remedial measures.
- 1.4 Safety Requirements include measures associated with traffic management and regulation such as road signs, pavement marking, traffic control devices, roadside furniture, highway design elements, enforcement and emergency response.

# 2 Obligations of the Concessionaire

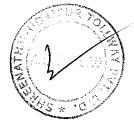
The Concessionaire shall abide by the following insofar as they relate to safety of the Users:

- (a) Applicable Laws and Applicable Permits;
- (b) Manual for Safety in Road Design, issued by MORTH;
- (c) relevant Standards/Guidelines of IRC relating to safety, road geometrics, bridges, culverts, road signs, pavement marking and roadside furniture;
- (d) provisions of this Agreement; and
- (e) Good Industry Practice.



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For carrying out safety audit of the Project Highway under and in accordance



with this Schedule-L, the Authority shall appoint from time to time, one or more qualified firms or organisations as its consultants (the "Safety Consultant"). The Safety Consultant shall employ a team comprising, without limitation, one road safety expert and one traffic planner to undertake safety audit of the Project Highway.

## 4 Safety measures during Development Period

- 4.1 No later than 90 (ninety) days from the date of this Agreement, the Authority shall appoint a Safety Consultant for carrying out safety audit at the design stage of the Project. The Safety Consultant shall collect data on all fatal crashes and other road accidents which occurred on the Project Highway in the preceding two years by obtaining copies of the relevant First Information Reports (FIRs) from the police stations having jurisdiction. The information contained in such FIRs shall be summarised in the form prescribed by IRC/MORTH for this purpose and the data shall be analysed for the type of victims killed or injured, impacting vehicles, location of accidents and other relevant factors.
- The Concessionaire shall provide to the Safety Consultant, in four copies, the relevant drawings containing the design details that have a bearing on safety of Users (the "Safety Drawings"). Such design details shall include horizontal and vertical alignments; sightlines; layouts of intersections; interchanges; road cross-section; bridges and culverts; side drains; provision for parked vehicles, slow moving vehicles (tractors, bullock carts, bicycles) and pedestrians; bus bays; truck lay-bys; and other incidental or consequential information. The Safety Consultant shall review the design details and forward three copies of the Safety Drawings with its recommendations, if any, to the Independent Engineer who shall record its comments, if any, and forward one copy each to the Authority and the Concessionaire.
- 4.3 The accident data and the design details shall be compiled, analysed and used by the Safety Consultant for evolving a package of recommendations consisting of safety related measures for the Project Highway. The safety audit shall be completed in a period of three months and a report thereof (the "Safety Report") shall be submitted to the Authority, in five copies. One copy each of the Safety Report shall be forwarded by the Authority to the Concessionaire and the Independent Engineer forthwith.
- The Concessionaire shall endeavour to incorporate the recommendations of the Safety Report in the design of the Project Highway, as may reasonably be required in accordance with Applicable Laws, Applicable Permits, Manuals and Guidelines of MORTH and IRC, Specifications and Standards, and Good Industry Practice. If the Concessionaire does not agree with any or all of such recommendations, it shall state the reasons thereof and convey them to the Authority forthwith. In the event that any or all of the works and services recommended in the Safety Report fall beyond the scope of Schedule-B, Schedule-C or Schedule-D, the Concessionaire shall make a



report thereon and seek the instructions of the Authority for funding such works in accordance with the provisions of Article 18.

4.5 Without prejudice to the provisions of Paragraph 4.4, the Concessionaire and the Independent Engineer shall, within 15 (fifteen) days of receiving the Safety Report, send their respective comments thereon to the Authority, and no later than 15 (fifteen) days of receiving such comments, the Authority shall review the same alongwith the Safety Report and by notice direct the Concessionaire to carry out any or all of the recommendations contained therein with such modifications as the Authority may specify; provided that any works or services required to be undertaken hereunder shall be governed by the provisions of Article 18.

# 5 Safety measures during Construction Period

- A Safety Consultant shall be appointed by the Authority, no later than 4 (four) months prior to the expected Project Completion Date, for carrying out a safety audit of the completed Construction Works.
- The Safety Consultant shall collect and analyse the accident data for the preceding two years in the manner specified in Paragraph 4.1 of this Schedule-L. It shall study the Safety Report for the Development Period and inspect the Project Highway to assess the adequacy of safety measures. The Safety Consultant shall complete the safety audit within a period of 4 (four) months and submit a Safety Report recommending a package of additional road safety measures, if any, that are considered essential for reducing accident hazards on the Project Highway. Such recommendations shall be processed, mutatis mutandis, and acted upon in the manner set forth in Paragraphs 4.3, 4.4 and 4.5 of this Schedule-L.
- 5.3 The Concessionaire shall make adequate arrangements during the Construction Period for the safety of workers and road Users in accordance with the guidelines of IRC for safety in construction zones, and notify the Authority and the Independent Engineer about such arrangements.

# 6 Safety measures during Operation Period

6.2

6.1 The Concessionaire shall develop, implement and administer a surveillance and safety programme for Users, including correction of safety violations and deficiencies and all other actions necessary to provide a safe environment in accordance with this Agreement.

The Concessionaire shall establish a Highway Safety Management Unit (the "HSMU") to be functional on and after COD, and designate one of its officers to be in-charge of the HSMU. Such officer shall have specialist knowledge and training in road safety and traffic engineering by having attended a course conducted by a reputed organisation on the subject.

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- 6.3 The Concessionaire shall keep a copy of every FIR recorded by the Police with respect to any accident occurring on the Project Highway. In addition, the Concessionaire shall also collect data for all cases of accidents not recorded by the Police but where a vehicle rolled over or had to be towed away. The information so collected shall be summarised in the form prescribed by IRC/ MORTH for this purpose. The Concessionaire shall also record the exact location of each accident on a road map. The aforesaid data shall be submitted to the Authority at the conclusion of every quarter and to the Safety Consultant as and when appointed.
- 6.4 The Concessionaire shall submit to the Authority before the 31st (thirty first) May of each year, an annual report (in ten copies) containing, without limitation, a detailed listing and analysis of all accidents of the preceding Accounting Year and the measures taken by the Concessionaire pursuant to the provisions of Paragraph 6.1 of this Schedule-L for averting or minimising such accidents in future.
- Once in every Accounting Year, a safety audit shall be carried out by the Safety Consultant to be appointed by the Authority. It shall review and analyse the annual report and accident data of the preceding year, and undertake an inspection of the Project Highway. The Safety Consultant shall complete the safety audit within a period of 1 (one) month and submit a Safety Report recommending specific improvements, if any, required to be made to the road, bridges, culverts, markings, signs, road furniture and Project Facilities, including cattle crossings and pedestrian crossings. Such recommendations shall be processed, *mutatis mutandis*, and acted upon in the manner set forth in Paragraphs 4.3, 4.4 and 4.5 of this Schedule-L.

### 7 Costs and expenses

Costs and expenses incurred in connection with the Safety Requirements set forth herein, including the provisions of Paragraph 2 of this Schedule, shall be met in accordance with Article 18, and in particular, the remuneration of the Safety Consultant, safety audit, and costs incidental thereto, shall be met out of the Safety Fund.



# SCHEDULE -M (See Clause 19.5)

# MONTHLY FEE STATEMENT

Project Highway: Gomati

Month:

Chauraha – Udaipur

Type of Vehicle		For corresponding month of previous year		For pre month	eceding	For thupon			
	· .	No. of Vehicles	Fee collected (in lakh Rs.)	No. of Vehicles	Fee collected (in lakh Rs.)	Fee per Vehicle (in Rs.)	No. of Vehicles	Fee collected (in lakh Rs.)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	. (8)	-
A	. Car							•	
В	LCV ·				-				
С	Bus					· .			
D	Truck								
	Three-axle hicle							·	
F	Heavy construction machinery or Earth moving equipment or								
	Multi-axle vehicle								MPUS OF
G	Oversized vehicle							TENAT	
Н	Total							Kris	* .013



Note 1: The above statement does not include Local Users and vehicles travelling on Passes

Note 2: Monthly Fee Statements for Passes have been prepared separately in the above format and are enclosed.

Remarks, if any:





# SCHEDULE -N (See Clause22.1)

# WEEKLY TRAFFIC CENSUS

Project Highway: Gomati Chauraha – Week ending: Udaipur

Type of Vehicle	No. of vehicles using the Project Highway during								
	Corresponding week/last year	Preceding week	Week of report						
(1)	° (2)	(3)	(4)						
A Fee paying Traffic A1 Car	-								
A2 LCV									
A3 Bus									
A4 Truck		·							
A5 Three-axle vehicle									
A6 Heavy construction machinery or Earth moving equipment or Multi-axle	•	: '							
vehicle									
A7 Oversized vehicle									
Total (A)									
B Local Users B1 Car		•							
Total (B)									
C Exempted Vehicles C1 Motor Cycle									
C2 Car									
C3 LCV		·							
C4 Bus									
C5 Truck									
C6 Three-axle vehicle									
C7 Heavy construction machinery or Earth moving equipment or Multi-axle vehicle			MIE						
C8 Tractor									
Total (C)			,						
D Total Traffic (A+B-C) D1 Motor Cycle									
D2 Car									
D3 LCV									
D4 Bus									



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D5 Truck	T .	
D6 Three-axle vehicle		***************************************
D7 Heavy construction machinery or Earth moving equipment or Multi-axle vehicle	,	
D8 Oversized vehicle		
D9 Tractor		
Grand Total (E)		

Remarks, if any:

# WEEKLY REPORT FOR WEIGH STATIONS

Project Highway: Gomati Chauraha – Week ending: Udaipur

$T_{V}$	pe of Vehicle	D : 1	] ] ] C	N.	F.V.al.:-	1	1 1
12	pe or venicle	Permitted	No. of	170	o. or venic	les carrying	load:
1		Gross	Vehicles				
		Vehicle	weighed				
,		Weight	(Sample				•
		(Tonnes)	size)			•	•
				Within	. Up to	Over 10%	Over 20%
			*	permissible	10% in	and up to	in excess
				limits	excess	20% in	
			٠.		e e	excess	,
	(1)	(2)	(3)	(4)	· (5)	(6)	(7)
A	LCV				•		
					. •		
В	Truck						
	·						
ļ							
C	Three-axle			į			15
	vehicle						
: <u> </u>						` \	

D Heavy construction machinery or Earth moving			
equipment or Multi-axle vehicle			
E Total			

**Note**: Sample size shall not be less than 200 Trucks per week and 20 Trucks per day, and should include a proportionate number of Heavy construction machinery or Earth moving equipment or Multi-axle vehicle.

Remarks, if any:





# SCHEDULE -O (See Clause 22.3.1)

# TRAFFIC SAMPLING

# 1 Traffic sampling

The Authority may, in its discretion and at its own cost, undertake traffic sampling, pursuant to Clause 22.3, in order to determine the actual traffic on the Project Highway. Such traffic sampling shall be undertaken through the Independent Engineer in the manner set forth below.

### 2 Manual traffic count

The Independent Engineer shall employ the required number of enumerators who shall count, classify and record all the vehicles as they pass by, and divide the survey into fixed time periods. The count stations shall be located near the Toll Plazas on a straight section of the road with good visibility. The survey shall be conducted continuously for a minimum of 24 (twenty four) hours and maximum of 7 (seven) days at a time. The count period shall be 15 (fifteen) minutes with results summarised hourly.

### 3 Automatic traffic count

For automatic traffic count to be conducted on intermittent (non-continuous) basis, the Independent Engineer shall use suitable and standardised equipment to classify and record the range of vehicles passing through the Toll Plazas. For this purpose, the counter shall be checked with at least 100 (one hundred) vehicles, including all major vehicle types, over a range of speeds to ensure that all vehicles are being counted and classified correctly.

# 4 Variation between manual and automatic count

Average Daily Traffic (ADT) for each type of vehicle shall be determined separately by the aforesaid two methods and in the event that the number of vehicles in any category, as counted by the manual method, varies by more than 1% (one per cent) of the number of such vehicles as counted by the automatic method, the manual and automatic count of such category of vehicles shall be repeated, and in the event of any discrepancy between the two counts in the second enumeration, the average thereof shall be deemed to be the actual traffic. For the avoidance of doubt, it is expressly agreed that the Authority may, in consultation with the Concessionaire, adopt modified or alternative processes of traffic sampling for improving the reliability of such sampling.





# SCHEDULE -P (See Clause 23.1)

#### SELECTION OF INDEPENDENT ENGINEER

#### 1 Selection of Independent Engineer

- 1.1 The provisions of Part II of the Standard Bidding Documents for Consultancy Assignments: Time Based (Volume V) issued by the Ministry of Finance, GOI in July, 1997 or any substitute thereof shall apply, *mutatis mutandis*, for invitation of bids and evaluation thereof save as otherwise provided herein.
- The Authority shall invite expressions of interest from consulting engineering firms or bodies corporate to undertake and perform the duties and functions set forth in Schedule-Q and thereupon shortlist 10 (ten) qualified firms in accordance with pre-determined criteria. The Authority shall convey the aforesaid list of firms to the Concessionaire for scrutiny and comments, if any. The Concessionaire shall be entitled to scrutinise the relevant records of the Authority to ascertain whether the selection of firms has been undertaken in accordance with the prescribed procedure and it shall send its comments, if any, to the Authority within 15 (fifteen) days of receiving the aforesaid list of firms. Upon receipt of such comments, if any, the Authority shall, after considering all relevant factors, finalise and constitute a panel of 10 (ten) firms (the "Panel of Firms") and convey its decision to the Concessionaire.
- 1.3 The Authority shall invite the aforesaid firms in the Panel of Firms to submit their respective technical and financial offers, each in a separate sealed cover. All the technical bids so received shall be opened and pursuant to the evaluation thereof, the Authority shall shortlist 3 (three) eligible firms on the basis of their technical scores. The financial bids in respect of such 3 (three) firms shall be opened and the order of priority as among these firms shall be determined on the basis of a weighted evaluation where technical and financial scores shall be assigned respective weights of 80:20.
- In the event that the Authority shall follow the selection process specified in the Model RFP for selection of Technical Consultants, as published by the Ministry of Finance/ Planning Commission, the selection process specified in this Schedule-P shall be deemed to be substituted by the provisions of the said Model RFP and the Concessionaire shall be entitled to scrutinise the relevant records forming part of such selection process.

#### 2 Fee and expenses

2.1 In determining the nature and quantum of duties and services to be performed by the Independent Engineer during the Development Period and Construction Period, the Authority shall endeavour that payments to the Independent Engineer on account of fee and expenses do not exceed 2% (two per cent) of the Total Project Cost. Payments not exceeding such 2%



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(two per cent) shall be borne equally by the Authority and the Concessionaire in accordance with the provisions of this Agreement and any payments in excess thereof shall be borne entirely by the Authority.

2.2 The nature and quantum of duties and services to be performed by the Independent Engineer during the Operation Period shall be determined by the Authority in conformity with the provisions of this Agreement and with due regard for economy in expenditure. All payments made to the Independent Engineer on account of fee and expenses during the Operation Period, shall be borne equally by the Authority and the Concessionaire.

### 3 Constitution of fresh panel

No later than 3 (three) years from the date of this Agreement, and every 3 (three) years thereafter, the Authority shall prepare a fresh panel of firms in accordance with the criteria set forth in this Schedule-P; provided that the Authority may, at any time, prepare a fresh panel with prior written consent of the Concessionaire.

#### 4 Appointment of government entity as Independent Engineer

Notwithstanding anything to the contrary contained in this Schedule, the Authority may in its discretion appoint a government-owned entity as the Independent Engineer; provided that such entity shall be a body corporate having as one of its primary function the provision of consulting, advisory and supervisory services for engineering projects; provided further that a government-owned entity which is owned or controlled by the Authority and/or MoRTH shall not be eligible for appointment as Independent Engineer.





# SCHEDULE –Q (See Clause 23.2.1)

# TERMS OF REFERENCE FOR INDEPENDENT ENGINEER

## 1 Scope

- 1.2 This TOR shall apply to construction, operation and maintenance of the Four-Lane Project Highway,

# 2 Definitions and interpretation

- 2.1 The words and expressions beginning with or in capital letters used in this TOR and not defined herein but defined in the Agreement shall have, unless repugnant to the context, the meaning respectively assigned to them in the Agreement.
- References to Articles, Clauses and Schedules in this TOR shall, except where the context otherwise requires, be deemed to be references to the Articles, Clauses and Schedules of the Agreement, and references to Paragraphs shall be deemed to be references to Paragraphs of this TOR.
- 2.3 The rules of interpretation stated in Clauses 1.2, 1.3 and 1.4 of the Agreement shall apply, *mutatis mutandis*, to this TOR.

# 3 Role and functions of the Independent Engineer

- 3.1 The role and functions of the Independent Engineer shall include the following:
  - (i) review of the Drawings and Documents as set forth in Paragraph 4;
  - (ii) review, inspection and monitoring of Construction Works as set forth in Paragraph 5;
  - (iii) conducting Tests on completion of construction and issuing Completion/ Provisional Certificate as set forth in Paragraph 5;
  - (iv) review, inspection and monitoring of O&M as set forth in Paragraph 6;



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- (v) review, inspection and monitoring of Divestment Requirements as set forth in Paragraph 7;
- (vi) determining, as required under the Agreement, the costs of any works or services and/or their reasonableness;
- (vii) determining, as required under the Agreement, the period or any extension thereof, for performing any duty or obligation;
- (viii) assisting the Parties in resolution of disputes as set forth in Paragraph 9; and
- (ix) undertaking all other duties and functions in accordance with the Agreement.
- 3.2 The Independent Engineer shall discharge its duties in a fair, impartial and efficient manner, consistent with the highest standards of professional integrity and Good Industry Practice.

#### 4 Development Period

- 4.1 During the Development Period, the Independent Engineer shall undertake a detailed review of the Drawings to be furnished by the Concessionaire along with supporting data, including the geo-technical and hydrological investigations, characteristics of materials from borrow areas and quarry sites, topographical surveys and traffic surveys. The Independent Engineer shall complete such review and send its comments/observations to the Authority and the Concessionaire within 15 (fifteen) days of receipt of such Drawings. In particular, such comments shall specify the conformity or otherwise of such Drawings with the Scope of the Project and Specifications and Standards.
- 4.2 The Independent Engineer shall review any modified Drawings or supporting Documents sent to it by the Concessionaire and furnish its comments within 7 (seven) days of receiving such Drawings or Documents.
- 4.3 The Independent Engineer shall review the Drawings sent to it by the Safety Consultant in accordance with Schedule-L and furnish its comments thereon to the Authority and the Concessionaire within 7 (seven) days of receiving such Drawings. The Independent Engineer shall also review the Safety Report and furnish its comments thereon to the Authority within 15 (fifteen) days of receiving such report.
- 4.4 The Independent Engineer shall review the detailed design, construction methodology, quality assurance procedures and the procurement, engineering and construction time schedule sent to it by the Concessionaire and furnish its comments within 15 (fifteen) days of receipt thereof.
- 4.5 Upon reference by the Authority, the Independent Engineer shall review a 260 comment on the EPC Contract or any other contract for construction, operation and maintenance of the Project Highway, and furnish its comments



within 7 (seven) days from receipt of such reference from the Authority.

#### 5 Construction Period

- 5.1 In respect of the Drawings, Documents and Safety Report received by the Independent Engineer for its review and comments during the Construction Period, the provisions of Paragraph 4 shall apply, *mutatis mutandis*.
- 5.2 The Independent Engineer shall review the monthly progress report furnished by the Concessionaire and send its comments thereon to the Authority and the Concessionaire within 7 (seven) days of receipt of such report.
- The Independent Engineer shall inspect the Construction Works and the 5.3 Project Highway once every month, preferably after receipt of the monthly progress report from the Concessionaire, but before the 20th (twentieth) day of each month in any case, and make out a report of such inspection (the "Inspection Report") setting forth an overview of the status, progress, quality and safety of construction, including the work methodology adopted, the materials used and their sources, and conformity of Construction Works with the Scope of the Project and the Specifications and Standards. In a separate section of the Inspection Report, the Independent Engineer shall describe in reasonable detail the lapses, defects or deficiencies observed by it in the construction of the Project Highway. The Inspection Report shall also contain a review of the maintenance of the existing lanes in conformity with the provisions of the Agreement. The Independent Engineer shall send a copy of its Inspection Report to the Authority and the Concessionaire within 7 (seven) days of the inspection.
- The Independent Engineer may inspect the Project Highway more than once in a month if any lapses, defects or deficiencies require such inspections.
- Standards, the Independent Engineer shall require the Concessionaire to carry out, or cause to be carried out, tests on a sample basis, to be specified by the Independent Engineer in accordance with Good Industry Practice for quality assurance. For purposes of this Paragraph 5.5, the tests specified in the IRC Special Publication-11 (Handbook of Quality Control for Construction of Roads and Runways) and the Specifications for Road and Bridge Works issued by MORTH (the "Quality Control Manuals") or any modification/substitution thereof shall be deemed to be tests conforming to Good Industry Practice for quality assurance. The Independent Engineer shall issue necessary directions to the Concessionaire for ensuring that the tests are conducted in a fair and efficient manner, and shall monitor and review the results thereof.
- The sample size of the tests, to be specified by the Independent Engineer under Paragraph 5.5, shall comprise 10% (ten per cent) of the quantity or number of tests prescribed for each category or type of tests in the Quality 261 Control Manuals; provided that the Independent Engineer may, for reasons to be recorded in writing, increase the aforesaid sample size by up to 10%





(ten per cent) for certain categories or types of tests.

- 5.7 The timing of tests referred to in Paragraph 5.5, and the criteria for acceptance/ rejection of their results shall be determined by the Independent Engineer in accordance with the Quality Control Manuals. The tests shall be undertaken on a random sample basis and shall be in addition to, and independent of, the tests that may be carried out by the Concessionaire for its own quality assurance in accordance with Good Industry Practice.
- In the event that the Concessionaire carries out any remedial works for removal or rectification of any defects or deficiencies, the Independent Engineer shall require the Concessionaire to carry out, or cause to be carried out, tests to determine that such remedial works have brought the Construction Works into conformity with the Specifications and Standards, and the provisions of this Paragraph 5 shall apply to such tests.
- In the event that the Concessionaire fails to achieve any of the Project Milestones, the Independent Engineer shall undertake a review of the progress of construction and identify potential delays, if any. If the Independent Engineer shall determine that completion of the Project Highway is not feasible within the time specified in the Agreement, it shall require the Concessionaire to indicate within 15 (fifteen) days the steps proposed to be taken to expedite progress, and the period within which the Project Completion Date shall be achieved. Upon receipt of a report from the Concessionaire, the Independent Engineer shall review the same and send its comments to the Authority and the Concessionaire forthwith.
- 5.10 If at any time during the Construction Period, the Independent Engineer determines that the Concessionaire has not made adequate arrangements for the safety of workers and Users in the zone of construction or that any work is being carried out in a manner that threatens the safety of the workers and the Users, it shall make a recommendation to the Authority forthwith, identifying the whole or part of the Construction Works that should be suspended for ensuring safety in respect thereof.
- In the event that the Concessionaire carries out any remedial measures to secure the safety of suspended works and Users, it may, by notice in writing, require the Independent Engineer to inspect such works, and within 3 (three) days of receiving such notice, the Independent Engineer shall inspect the suspended works and make a report to the Authority forthwith, recommending whether or not such suspension may be revoked by the Authority.
- 5.12 If suspension of Construction Works is for reasons not attributable to the Concessionaire, the Independent Engineer shall determine the extension of dates set forth in the Project Completion Schedule, to which the Concessionaire is reasonably entitled, and shall notify the Authority and the Concessionaire of the same.
- 5.13 The Independent Engineer shall carry out, or cause to be carried out, all the Tests specified in Schedule-I and issue a Completion Certificate or



Provisional Certificate, as the case may be. For carrying out its functions under this Paragraph 5.13 and all matters incidental thereto, the Independent Engineer shall act under and in accordance with the provisions of Article 14 and Schedule-I.

- 5.14 Upon reference from the Authority, the Independent Engineer shall make a fair and reasonable assessment of the costs of providing information, works and services as set forth in Article 16 and certify the reasonableness of such costs for payment by the Authority to the Concessionaire.
- 5.15 The Independent Engineer shall aid and advise the Concessionaire in preparing the Maintenance Manual.

#### 6 Operation Period

- 6.1 In respect of the Drawings, Documents and Safety Report received by the Independent Engineer for its review and comments during the Operation Period, the provisions of Paragraph 4 shall apply, *mutatis mutandis*.
- 6.2 The Independent Engineer shall review the annual Maintenance Programme furnished by the Concessionaire and send its comments thereon to the Authority and the Concessionaire within 15 (fifteen) days of receipt of the Maintenance Programme.
- 6.3 The Independent Engineer shall review the monthly status report furnished by the Concessionaire and send its comments thereon to the Authority and the Concessionaire within 7 (seven) days of receipt of such report.
- The Independent Engineer shall inspect the Project Highway once every month, preferably after receipt of the monthly status report from the Concessionaire, but before the 20th (twentieth) day of each month in any case, and make out an O&M Inspection Report setting forth an overview of the status, quality and safety of O&M including its conformity with the Maintenance Requirements and Safety Requirements. In a separate section of the O&M Inspection Report, the Independent Engineer shall describe in reasonable detail the lapses, defects or deficiencies observed by it in O&M of the Project Highway. The Independent Engineer shall send a copy of its O&M Inspection Report to the Authority and the Concessionaire within 7 (seven) days of the inspection.
- The Independent Engineer may inspect the Project Highway more than once in a month, if any lapses, defects or deficiencies require such inspections.
  - The Independent Engineer shall in its O&M Inspection Report specify the tests, if any, that the Concessionaire shall carry out, or cause to be carried out, for the purpose of determining that the Project Highway is in conformity with the Maintenance Requirements. It shall monitor and review the results of such tests and the remedial measures, if any, taken by the Concessionaire in this behalf.
- 6.7 In respect of any defect or deficiency referred to in Paragraph 3 of Schedule-



K, the Independent Engineer shall, in conformity with Good Industry Practice, specify the permissible limit of deviation or deterioration with reference to the Specifications and Standards and shall also specify the time limit for repair or rectification of any deviation or deterioration beyond the permissible limit.

- 6.8 The Independent Engineer shall determine if any delay has occurred in completion of repair or remedial works in accordance with the Agreement, and shall also determine the Damages, if any, payable by the Concessionaire to the Authority for such delay.
- 6.9 The Independent Engineer shall examine the request of the Concessionaire for closure of any lane(s) of the carriageway for undertaking maintenance/repair thereof, keeping in view the need to minimise disruption in traffic and the time required for completing such maintenance/repair in accordance with Good Industry Practice. It shall grant permission with such modifications, as it may deem necessary, within 3 (three) days of receiving a request from the Concessionaire. Upon expiry of the permitted period of closure, the Independent Engineer shall monitor the re-opening of such lane(s), and in case of delay, determine the Damages payable by the Concessionaire to the Authority under Clause 17.7.
- 6.10 The Independent Engineer shall monitor and review the curing of defects and deficiencies by the Concessionaire as set forth in Clause 19.4.
- 6.11 In the event that the Concessionaire notifies the Independent Engineer of any modifications that it proposes to make to the Project Highway, the Independent Engineer shall review the same and send its comments to the Authority and the Concessionaire within 15 (fifteen) days of receiving the proposal.
- 6.12 The Independent Engineer shall undertake traffic sampling, as and when required by the Authority, under and in accordance with Article 22 and Schedule-O.

#### 7 Termination

At any time, not earlier than 90 (ninety) days prior to Termination but not later than 15 (fifteen) days prior to such Termination, the Independent Engineer shall, in the presence of a representative of the Concessionaire, inspect the Project Highway for determining compliance by the Concessionaire with the Divestment Requirements set forth in Clause 38.1 and, if required, cause tests to be carried out at the Concessionaire's cost for determining such compliance. If the Independent Engineer determines that the status of the Project Highway is such that its repair and rectification would require a larger amount than the sum set forth in Clause 39.2, it shall recommend retention of the required amount in the Escrow Account and the period of retention thereof.



7.2 The Independent Engineer shall inspect the Project Highway once in every 15(fifteen) days during a period of 90 (ninety) days after Termination for



determining the liability of the Concessionaire under Article 39, in respect of the defects or deficiencies specified therein. If any such defect or deficiency is found by the Independent Engineer, it shall make a report in reasonable detail and send it forthwith to the Authority and the Concessionaire.

## 8 Determination of costs and time

- 8.1 The Independent Engineer shall determine the costs, and/or their reasonableness, that are required to be determined by it under the Agreement.
- 8.2 The Independent Engineer shall determine the period, or any extension thereof, that is required to be determined by it under the Agreement.

# 9 Assistance in Dispute resolution

- 9.1 When called upon by either Party in the event of any Dispute, the Independent Engineer shall mediate and assist the Parties in arriving at an amicable settlement.
- 9.2 In the event of any disagreement between the Parties regarding the meaning, scope and nature of Good Industry Practice, as set forth in any provision of the Agreement, the Independent Engineer shall specify such meaning, scope and nature by issuing a reasoned written statement relying on good industry practice and authentic literature.

#### 10 Other duties and functions

The Independent Engineer shall perform all other duties and functions specified in the Agreement.

#### 11 Miscellaneous

- 11.1 The Independent Engineer shall notify its programme of inspection to the Authority and to the Concessionaire, who may, in their discretion, depute their respective representatives to be present during the inspection.
- 11.2 A copy of all communications, comments, instructions, Drawings or Documents sent by the Independent Engineer to the Concessionaire pursuant to this TOR, and a copy of all the test results with comments of the Independent Engineer thereon shall be furnished by the Independent Engineer to the Authority forthwith.

The Independent Engineer shall obtain, and the Concessionaire shall furnish in two copies thereof, all communications and reports required to be submitted, under this Agreement, by the Concessionaire to the Independent Engineer, whereupon the Independent Engineer shall send one of the copies to the Authority along with its comments thereon.

The Independent Engineer shall retain at least one copy each of all Drawings and Documents received by it, including 'as-built' Drawings and keep them in its safe custody.





11.5 Upon completion of its assignment hereunder, the Independent Engineer shall duly classify and list all Drawings, Documents, results of tests and other relevant records, and hand them over to the Authority or such other person as the Authority may specify, and obtain written receipt thereof. Two copies of the said documents shall also be furnished in micro film form or in such other medium as may be acceptable to the Authority.





### SCHEDULE -R (See Clause 27.1.1)

#### FEE NOTIFICATION

### MINISTRY OF ROAD TRANSPORT AND HIGHWAYS

(Department of Road Transport and Highways)

#### NOTIFICATION

New Delhi, the ..... 20...

S.O. ...... Whereas, by the notification of the Government of India in the Ministry of Road Transport and Highways, number \*\*\*\* dated the \*\*\*\*, issued under section 11 of the National Highways Authority of India Act, 1988 (68 of 1988), the Central Government has entrusted the section of National Highway from Km 177.000 to Km 260.100 (Gomati Chauraha -Udaipur Section) of National Highway No. 8 in the state of Rajasthan to the National Highways Authority of India (hereinafter referred to as the "Authority");

And Whereas, pursuant to the provisions of section 14 of the said Act, the Authority has entered into an agreement with SHREENATHJI-UDAIPUR TOLLWAY PRIVATE LIMITED, having its Registered Office at "Sadbhav House" Opp Law Garden Police Chowki, Ellisbridge, Ahmedabad -380006, Gujarat, India (hereinafter referred to as "Concessionaire") for the development of the Gomati Chauraha - Udaipur section from Km 177.000 to Km 260.100 (hereinafter referred to as the said section) of the National Highway No. 8 on Design, Build, Finance, Operate and Transfer (DBFOT) basis;

Now, therefore, in exercise of the powers conferred by section 8A of the National Highways Act, 1956 (48 of 1956), read with Rule 3 of the National Highways Fee (Determination of Rates and Collection) Rules, 2008, read with National Highways Fee (Determination of Rates and Collection) Amendment Rules, 2010, National Highways Fee (Determination of Rates and Collection) Amendment Rules, 2011 and National Highways Fee (Determination of Rates and Collection) Second Amendment Rules, 2011, the Central Government, having regard to the expenditure involved in building, maintenance, management and operation of the said section of the said national highway, interest on the capital invested, reasonable return, the 267 volume of traffic and the period of said agreement between the Authority and the Concessionaire, hereby notifies that there shall be levied and collected fees





on mechanical vehicles for the use of the section from Km 177.000 to Km 260.100 (Gomati Chauraha - Udaipur) of National Highway No. 8, including the permanent bridge/ tunnel having an estimated cost of Rs. 170.06 Crores (Rupees One Hundred Seventy Crores and Six Lakhs Only), in the State of Rajasthan at the rates specified in the aforesaid Rules and authorises the said Concessionaire to collect and retain the said fees on and from the date of commercial operation of the said section of national highway, subject to and in accordance with the said Rules and the provisions of the aforesaid agreement.

The fee levied and collected hereunder shall be due and payable at the following Toll Plazas for the distance specified for each such Toll Plaza:

S. No.	Location of Toll Plaza (chainage)	Length (in km) for which Fee is payable
1.	At Km 187.244	34.310 Km
2 .	At Km 238.170	34.132 Km
		(excluding 1.218 km length of Nathdwara Elevated Road, 0.450 km length of Chirwaghat Tunnel and 9.200 km length of Delwara & Eklingji bypass)

In addition to the above, the fee levied and collected hereunder for the permanent bridge and tunnel, as the case may be, costing Rs. 50 cr. (Rupees fifty crore) or more as specified below shall be due and payable at the following Toll Plaza(s):

S. No.	Location of Toll Plaza (chainage)	Nature of Structure	Cost (in Rs. crore)	
1	At Km 238.170	Nathdwara Elevated Road (length 1.218 km)	69.23	
2	At Km 238.170	Chirwaghat Tunnel (length 0.450 km)	100.83	175 5

In addition to the above, the fee levied and collected hereunder for the bypasses costing Rs. 10 crore or more as specified below shall be due and payable at the following Toll Plaza(s), and the rate of fee shall be 1.5 times of the rate of fee as specified in Rule 4(2) of the National Highways Fee (Determination of Rates and Collection) Rules, 2008, read with National Highways Fee (Determination of Rates and Collection) Amendment Rules, 2010, National Highways Fee (Determination of Rates and Collection) Amendment Rules, 2011 and National Highways Fee (Determination of Rates and Collection) Second Amendment Rules, 2011:

S. No.	Location of Toll Plaza (chainage)	Name of Bypass	Length (in km) of Bypass
1	At Km 238.170	Delwara & Eklingji	9.200
		Bypass	

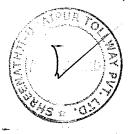


F.No. RW/NH-....

(Name)

Deputy Secretary

Government of India



# SCHEDULE –S (See Clause 31.1.2)

#### **ESCROW AGREEMENT**

THIS ESCROW	AGREEMENT	is	entered	into	on	this the	e	day	of	
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#### **AMONGST**

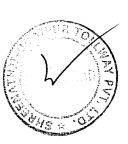
- SHREENATHJI-UDAIPUR TOLLWAY PRIVATE LIMITED, a company incorporated under the provisions of the Companies Act, 1956 and having its registered office at "Sadbhav House" Opp Law Garden Police Chowki, Ellisbridge, Ahmedabad 380006, Gujarat, India (hereinafter referred to as the "Concessionaire" which expression shall, unless repugnant to the context or meaning thereof, include its successors, permitted assigns and substitutes);
- 2 ......name and particulars of Lenders' Representative and having its registered office at ......acting for and on behalf of the Senior Lenders as their duly authorised agent with regard to matters arising out of or in relation to this Agreement (hereinafter referred to as the "Lenders' Representative" which expression shall, unless repugnant to the context or meaning thereof, include its successors and substitutes);
- The National Highways Authority of India, established under the National Highways Authority Act 1988, represented by its Chairman and having its principal offices at G-5 & 6, Sector 10, Dwarka, New Delhi-110075 (hereinafter referred to as the "Authority" which expression shall, unless repugnant to the context or meaning thereof, include its administrators, successors and assigns).

#### WHEREAS:

- (B) Senior Lenders have agreed to finance the Project in accordance with the terms and conditions set forth in the Financing Agreements.
- (C) The Concession Agreement requires the Concessionaire to establish an Escrow Account, *inter alia*, on the terms and conditions stated therein.

NOW, THEREFORE, in consideration of the foregoing and the respective covenants and agreements set forth in this Agreement, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, the Parties





agree as follows:

# 1 DEFINITIONS AND INTERPRETATION

#### 1.1 Definitions

In this Agreement, the following words and expressions shall, unless repugnant to the context or meaning thereof, have the meaning hereinafter respectively assigned to them:

"Agreement" means this Escrow Agreement and any amendment thereto made in accordance with the provisions contained herein;

"Concession Agreement" means the Concession Agreement referred to in Recital (A) above and annexed hereto as Annex-A, and shall include all of its Recitals and Schedules and any amendments made thereto in accordance with the provisions contained in this behalf therein;

"Cure Period" means the period specified in this Agreement for curing any breach or default of any provision of this Agreement by the Concessionaire, and shall commence from the date on which a notice is delivered by the Authority or the Lenders' Representative, as the case may be, to the Concessionaire asking the latter to cure the breach or default specified in such notice;

"Escrow Account" means an escrow account established in terms of and under this Agreement, and shall include the Sub-Accounts;

"Escrow Default" shall have the meaning ascribed thereto in Clause 6.1;

"Lenders' Representative" means the person referred to as the Lenders' Representative in the foregoing Recitals;

"Parties" means the parties to this Agreement collectively and "Party" shall mean any of the Parties to this Agreement individually;

"Payment Date" means, in relation to any payment specified in Clause 4.1, the date(s) specified for such payment; and

"Sub-Accounts" means the respective Sub-Accounts of the Escrow Account, into which the monies specified in Clause 4.1 would be credited every month and paid out if due, and if not due in a month then appropriated proportionately in such month and retained in the respective Sub Accounts and paid out therefrom on the Payment Date(s).

## 1.2 Interpretation

- 1.2.1 References to Lenders' Representative shall, unless repugnant to the context or meaning thereof, mean references to the Lenders' Representative, acting for and on behalf of Senior Lenders.

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- 1.2.2 The words and expressions beginning with capital letters and defined in this





Agreement shall have the meaning ascribed thereto herein, and the words and expressions used in this Agreement and not defined herein but defined in the Concession Agreement shall, unless repugnant to the context, have the meaning ascribed thereto in the Concession Agreement.

- 1.2.3 References to Clauses are, unless stated otherwise, references to Clauses of this Agreement.
- 1.2.4 The rules of interpretation stated in Clauses 1.2, 1.3 and 1.4 of the Concession Agreement shall apply, *mutatis mutandis*, to this Agreement.

# 2 ESCROW ACCOUNT

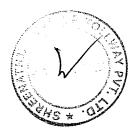
#### 2.1 Escrow Bank to act as trustee

- 2.1.1 The Concessionaire hereby appoints the Escrow Bank to act as trustee for the Authority, the Lenders' Representative and the Concessionaire in connection herewith and authorises the Escrow Bank to exercise such rights, powers, authorities and discretion as are specifically delegated to the Escrow Bank by the terms hereof together with all such rights, powers, authorities and discretion as are reasonably incidental hereto, and the Escrow Bank accepts such appointment pursuant to the terms hereof.
- 2.1.2 The Concessionaire hereby declares that all rights, title and interest in and to the Escrow Account shall be vested in the Escrow Bank and held in trust for the Authority, the Lenders' Representative and the Concessionaire, and applied in accordance with the terms of this Agreement. No person other than the Authority, the Lenders' Representative and the Concessionaire shall have any rights hereunder as the beneficiaries of, or as third party beneficiaries under this Agreement.

#### 2.2 Acceptance of Escrow Bank

The Escrow Bank hereby agrees to act as such and to accept all payments and other amounts to be delivered to and held by the Escrow Bank pursuant to the provisions of this Agreement. The Escrow Bank shall hold and safeguard the Escrow Account during the term of this Agreement and shall treat the amount in the Escrow Account as monies deposited by the Concessionaire, Senior Lenders or the Authority with the Escrow Bank. In performing its functions and duties under this Agreement, the Escrow Bank shall act in trust for the benefit of, and as agent for, the Authority, the Lenders' Representative and the Concessionaire or their nominees, successors or assigns, in accordance with the provisions of this Agreement.

# 2.3 Establishment and operation of Escrow Account





- 2.3.2 The Escrow Bank shall maintain the Escrow Account in accordance with the terms of this Agreement and its usual practices and applicable regulations, and pay the maximum rate of interest payable to similar customers on the balance in the said account from time to time.
- 2.3.3 The Escrow Bank and the Concessionaire shall, after consultation with the Lenders' Representative, agree on the detailed mandates, terms and conditions, and operating procedures for the Escrow Account, but in the event of any conflict or inconsistency between this Agreement and such mandates, terms and conditions, or procedures, this Agreement shall prevail.

#### 2.4 Escrow Bank's fee

The Escrow Bank shall be entitled to receive its fee and expenses in an amount, and at such times, as may be agreed between the Escrow Bank and the Concessionaire. For the avoidance of doubt, such fee and expenses shall form part of the O&M Expenses and shall be appropriated from the Escrow Account in accordance with Clause 4.1.

#### 2.5 Rights of the parties

The rights of the Authority, the Lenders' Representative and the Concessionaire in the monies held in the Escrow Account are set forth in their entirety in this Agreement and the Authority, the Lenders' Representative and the Concessionaire shall have no other rights against or to the monies in the Escrow Account.

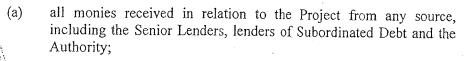
#### 2.6 Substitution of the Concessionaire

The Parties hereto acknowledge and agree that upon substitution of the Concessionaire with the Nominated Company, pursuant to the Substitution Agreement, it shall be deemed for the purposes of this Agreement that the Nominated Company is a Party hereto and the Nominated Company shall accordingly be deemed to have succeeded to the rights and obligations of the Concessionaire under this Agreement on and with effect from the date of substitution of the Concessionaire with the Nominated Company.

#### 3 DEPOSITS INTO ESCROW ACCOUNT

# 3.1 Deposits by the Concessionaire

3.1.1 The Concessionaire agrees and undertakes that it shall deposit into and/or credit the Escrow Account with:



all funds received by the Concessionaire from its share-holders, in any manner or form;

(c) all Fee levied and collected by the Concessionaire;





- (d) any other revenues, rentals, deposits or capital receipts, as the case may be, from or in respect of the Project Highway; and
- -(e) all proceeds received pursuant to any insurance claims.
- 3.1.2 The Concessionaire may at any time make deposits of its other funds into the Escrow Account, provided that the provisions of this Agreement shall apply to such deposits.

#### 3.2 Deposits by the Authority

The Authority agrees and undertakes that, as and when due and payable, it shall deposit into and/or credit the Escrow Account with:

- (a) Any monies disbursed by the Authority to the Concessionaire;
- (b) Revenue Shortfall Loan;
- (c) all Fee collected by the Authority in exercise of its rights under the Concession Agreement; and
- (d) Termination Payments:

Provided that, notwithstanding the provisions of Clause 4.1.1, the Authority shall be entitled to appropriate from the aforesaid amounts, any Concession Fee due and payable to it by the Concessionaire, and the balance remaining shall be deposited into the Escrow Account.

#### 3.3 Deposits by Senior Lenders

The Lenders' Representative agrees, confirms and undertakes that the Senior Lenders shall deposit into and/or credit the Escrow Account with all disbursements made by them in relation to or in respect of the Project; provided that notwithstanding anything to the contrary contained in this Agreement, the Senior Lenders shall be entitled to make direct payments to the EPC Contractor under and in accordance with the express provisions contained in this behalf in the Financing Agreements.

#### 3.4 Interest on deposits



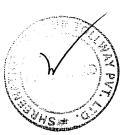
The Escrow Bank agrees and undertakes that all interest accruing on the balances of the Escrow Account shall be credited to the Escrow Account; provided that the Escrow Bank shall be entitled to appropriate therefrom the fee and expenses due to it from the Concessionaire in relation to the Escrow Account and credit the balance remaining to the Escrow Account.

# 4 WITHDRAWALS FROM ESCROW ACCOUNT

#### 4.1 Withdrawals during Concession Period

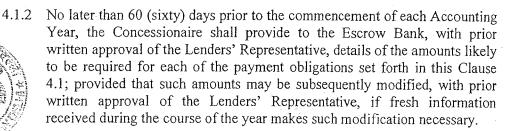
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4.1.1 At the beginning of every month, or at such shorter intervals as the Lenders'



Representative and the Concessionaire may by written instructions determine, the Escrow Bank shall withdraw amounts from the Escrow Account and appropriate them in the following order by depositing such amounts in the relevant Sub-Accounts for making due payments, and if such payments are not due in any month, then retain such monies in such Sub-Accounts and pay out therefrom on the Payment Date(s):

- (a) all taxes due and payable by the Concessionaire for and in respect of the Project Highway;
- (b) all payments relating to construction of the Project Highway, subject to and in accordance with the conditions, if any, set forth in the Financing Agreements;
- (c) O&M Expenses, subject to the ceiling, if any, set forth in the Financing Agreements;
- (d) O&M Expenses incurred by the Authority, provided it certifies to the Escrow Bank that it had incurred such expenses in accordance with the provisions of the Concession Agreement and that the amounts claimed are due to it from the Concessionaire;
- (e) Concession Fee due and payable to the Authority;
- (f) monthly proportionate provision of Debt Service due in an Accounting Year;
- (g) Premium due and payable to the Authority;
- (h) all payments and Damages certified by the Authority as due and payable to it by the Concessionaire pursuant to the Concession Agreement, including repayment of Revenue Shortfall Loan;
- (i) monthly proportionate provision of debt service payments due in an Accounting Year in respect of Subordinated Debt;
- (j) any reserve requirements set forth in the Financing Agreements; and
- (k) balance, if any, in accordance with the instructions of the Concessionaire.





Upon Termination of the Concession Agreement, all amounts standing to the



credit of the Escrow Account shall, notwithstanding anything in this Agreement, be appropriated and dealt with in the following order:

- (a) all taxes due and payable by the Concessionaire for and in respect of the Project Highway;
- (b) 90% (ninety per cent) of Debt Due excluding Subordinated Debt;
- (c) outstanding Concession Fee;
- (d) all payments and Damages certified by the Authority as due and payable to it by the Concessionaire pursuant to the Concession Agreement, including Premium, repayment of Revenue Shortfall Loan and any claims in connection with or arising out of Termination;
- (e) retention and payments arising out of, or in relation to, liability for defects and deficiencies set forth in Article 39 of the Concession Agreement;
- (f) outstanding Debt Service including the balance of Debt Due;
- (g) outstanding Subordinated Debt;
- (h) incurred or accrued O&M Expenses;
- (i) any other payments required to be made under the Concession Agreement; and
- (j) balance, if any, in accordance with the instructions of the Concessionaire:

Provided that the disbursements specified in Sub-clause (j) of this Clause 4.2 shall be undertaken only after the Vesting Certificate has been issued by the Authority.

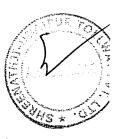
#### 4.3 Application of insufficient funds

Funds in the Escrow Account shall be applied in the serial order of priority set forth in Clauses 4.1 and 4.2, as the case may be. If the funds available are not sufficient to meet all the requirements, the Escrow Bank shall apply such funds in the serial order of priority until exhaustion thereof.

#### 4.4 Application of insurance proceeds



Notwithstanding anything in this Agreement, the proceeds from all insurance claims, except life and injury, shall be deposited into and/or credited to the Escrow Account and utilised for any necessary repair, reconstruction, reinstatement, replacement, improvement, delivery or installation of the Project Highway, and the balance remaining, if any, shall be applied in accordance with the provisions contained in this behalf in the Financing Agreements.



# 4.5 Withdrawals during Suspension

Notwithstanding anything to the contrary contained in this Agreement, the Authority may exercise all or any of the rights of the Concessionaire during the period of Suspension under Article 36 of the Concession Agreement. Any instructions given by the Authority to the Escrow Bank during such period shall be complied with as if such instructions were given by the Concessionaire under this Agreement and all actions of the Authority hereunder shall be deemed to have been taken for and on behalf of the Concessionaire.

# 5 OBLIGATIONS OF THE ESCROW BANK

# 5.1 Segregation of funds

Monies and other property received by the Escrow Bank under this Agreement shall, until used or applied in accordance with this Agreement, be held by the Escrow Bank in trust for the purposes for which they were received, and shall be segregated from other funds and property of the Escrow Bank.

# 5.2 Notification of balances

7 (seven) business days prior to each Payment Date (and for this purpose the Escrow Bank shall be entitled to rely on an affirmation by the Concessionaire and/or the Lenders' Representative as to the relevant Payment Dates), the Escrow Bank shall notify the Lenders' Representative of the balances in the Escrow Account and Sub-Accounts as at the close of business on the immediately preceding business day.

# 5.3 Communications and notices

In discharge of its duties and obligations hereunder, the Escrow Bank:

- (a) may, in the absence of bad faith or gross negligence on its part, rely as to any matters of fact which might reasonably be expected to be within the knowledge of the Concessionaire upon a certificate signed by or on behalf of the Concessionaire;
- (b) may, in the absence of bad faith or gross negligence on its part, rely upon the authenticity of any communication or document believed by it to be authentic;
- shall, within 5 (five) business days after receipt, deliver a copy to the Lenders' Representative of any notice or document received by it in its capacity as the Escrow Bank from the Concessionaire or any other person hereunder or in connection herewith; and
- (d) shall, within 5 (five) business days after receipt, deliver a copy to the Concessionaire of any notice or document received by it from the Lenders' Representative in connection herewith.





#### 5.4 No set off

The Escrow Bank agrees not to claim or exercise any right of set off, banker's lien or other right or remedy with respect to amounts standing to the credit of the Escrow Account. For the avoidance of doubt, it is hereby acknowledged and agreed by the Escrow Bank that the monies and properties held by the Escrow Bank in the Escrow Account shall not be considered as part of the assets of the Escrow Bank and being trust property, shall in the case of bankruptcy or liquidation of the Escrow Bank, be wholly excluded from the assets of the Escrow Bank in such bankruptcy or liquidation.

# 5.5 Regulatory approvals

The Escrow Bank shall use its best efforts to procure, and thereafter maintain and comply with, all regulatory approvals required for it to establish and operate the Escrow Account. The Escrow Bank represents and warrants that it is not aware of any reason why such regulatory approvals will not ordinarily be granted to the Escrow Bank.

### 6 ESCROW DEFAULT

#### 6.1 Escrow Default

- 6.1.1 Following events shall constitute an event of default by the Concessionaire (an "Escrow Default") unless such event of default has occurred as a result of Force Majeure or any act or omission of the Authority or the Lenders' Representative:
  - (a) the Concessionaire commits breach of this Agreement by failing to deposit any receipts into the Escrow Account as provided herein and fails to cure such breach by depositing the same into the Escrow Account within a Cure Period of 5 (five) business days;
  - (b) the Concessionaire causes the Escrow Bank to transfer funds to any account of the Concessionaire in breach of the terms of this Agreement and fails to cure such breach by depositing the relevant funds into the Escrow Account or any Sub-Account in which such transfer should have been made, within a Cure Period of 5 (five) business days; or
  - (c) the Concessionaire commits or causes any other breach of the provisions of this Agreement and fails to cure the same within a Cure Period of 5 (five) business days.
- 6.1.2 Upon occurrence of an Escrow Default, the consequences thereof shall be dealt with under and in accordance with the provisions of the Concession Agreement.

#### 7 TERMINATION OF ESCROW AGREEMENT

7.1 Duration of the Escrow Agreement

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This Agreement shall remain in full force and effect so long as any sum remains to be advanced or is outstanding from the Concessionaire in respect of the debt, guarantee or financial assistance received by it from the Senior Lenders, or any of its obligations to the Authority remain to be discharged, unless terminated earlier by consent of all the Parties or otherwise in accordance with the provisions of this Agreement.

#### 7.2 Substitution of Escrow Bank

The Concessionaire may, by not less than 45 (forty five) days prior notice to the Escrow Bank, the Authority and the Lenders' Representative, terminate this Agreement and appoint a new Escrow Bank, provided that the new Escrow Bank is acceptable to the Lenders' Representative and arrangements are made satisfactory to the Lenders' Representative for transfer of amounts deposited in the Escrow Account to a new Escrow Account established with the successor Escrow Bank. The termination of this Agreement shall take effect only upon coming into force of an Escrow Agreement with the substitute Escrow Bank.

#### 7.3 Closure of Escrow Account

The Escrow Bank shall, at the request of the Concessionaire and the Lenders' Representative made on or after the payment by the Concessionaire of all outstanding amounts under the Concession Agreement and the Financing Agreements including the payments specified in Clause 4.2, and upon confirmation of receipt of such payments, close the Escrow Account and Sub-Accounts and pay any amount standing to the credit thereof to the Concessionaire. Upon closure of the Escrow Account hereunder, the Escrow Agreement shall be deemed to be terminated.

#### 8 SUPPLEMENTARY ESCROW AGREEMENT

#### 8.1 Supplementary escrow agreement

The Lenders' Representative and the Concessionaire shall be entitled to enter into a supplementary escrow agreement with the Escrow Bank providing, inter alia, for detailed procedures and documentation for withdrawals from Sub-Accounts pursuant to Clause 4.1.1 and for matters not covered under this Agreement such as the rights and obligations of Senior Lenders and lenders of Subordinated Debt, investment of surplus funds, restrictions on withdrawals by the Concessionaire in the event of breach of this Agreement or upon occurrence of an Escrow Default, procedures relating to operation of the Escrow Account and withdrawal therefrom, reporting requirements and any matters incidental thereto; provided that such supplementary escrow agreement shall not contain any provision which is inconsistent with this Agreement and in the event of any conflict or inconsistency between provisions of this Agreement and such supplementary escrow agreement, the provisions of this Agreement shall prevail.





9 INDEMNITY

#### 9.1 General indemnity

- 9.1.1 The Concessionaire will indemnify, defend and hold the Authority, Escrow Bank and the Senior Lenders, acting through the Lenders' Representative, harmless against any and all proceedings, actions and third party claims for any loss, damage, cost and expense arising out of any breach by the Concessionaire of any of its obligations under this Agreement or on account of failure of the Concessionaire to comply with Applicable Laws and Applicable Permits.
- The Authority will indemnify, defend and hold the Concessionaire harmless against any and all proceedings, actions and third party claims for any loss, damage, cost and expense arising out of failure of the Authority to fulfil any of its obligations under this Agreement materially and adversely affecting the performance of the Concessionaire's obligations under the Concession Agreement or this Agreement other than any loss, damage, cost and expense arising out of acts done in discharge of their lawful functions by the Authority, its officers, servants and agents.
- 9.1.3 The Escrow Bank will indemnify, defend and hold the Concessionaire harmless against any and all proceedings, actions and third party claims for any loss, damage, cost and expense arising out of failure of the Escrow Bank to fulfil its obligations under this Agreement materially and adversely affecting the performance of the Concessionaire's obligations under the Concession Agreement other than any loss, damage, cost and expense, arising out of acts done in discharge of their lawful functions by the Escrow Bank, its officers, servants and agents.

#### 9.2 Notice and contest of claims

In the event that any Party hereto receives a claim from a third party in respect of which it is entitled to the benefit of an indemnity under Clause 9.1 or in respect of which it is entitled to reimbursement (the "Indemnified Party"), it shall notify the other Party responsible for indemnifying such claim hereunder (the "Indemnifying Party") within 15 (fifteen) days of receipt of the claim and shall not settle or pay the claim without the prior approval of the Indemnifying Party, which approval shall not be unreasonably withheld or delayed. In the event that the Indemnifying Party wishes to contest or dispute the claim, it may conduct the proceedings in the name of the Indemnified Party and shall bear all costs involved in contesting the same. The Indemnified Party shall provide all cooperation and assistance in contesting any claim and shall sign all such writings and documents as the Indemnifying Party may reasonably require.



#### DISPUTE RESOLUTION

#### 10.1 Dispute resolution

10.1.1 Any dispute, difference or claim arising out of or in connection with this Agreement, which is not resolved amicably, shall be decided finally by reference to arbitration to a Board of Arbitrators comprising one nominee of



each Party to the dispute, and where the number of such nominees is an even number, the nominees shall elect another person to such Board. Such arbitration shall be held in accordance with the Rules of Arbitration of the International Centre for Alternative Dispute Resolution, New Delhi (the "Rules") or such other rules as may be mutually agreed by the Parties, and shall be subject to the provisions of the Arbitration and Conciliation Act, 1996.

10.1.2 The Arbitrators shall issue a reasoned award and such award shall be final and binding on the Parties. The venue of arbitration shall be Delhi and the language of arbitration shall be English.

#### 11 MISCELLANEOUS PROVISIONS

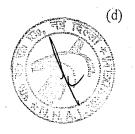
# 11.1 Governing law and jurisdiction

This Agreement shall be construed and interpreted in accordance with and governed by the laws of India, and the Courts at Delhi shall have jurisdiction over all matters arising out of or relating to this Agreement.

# 11.2 Waiver of sovereign immunity

The Authority unconditionally and irrevocably:

- (a) agrees that the execution, delivery and performance by it of this Agreement constitute commercial acts done and performed for commercial purpose;
- (b) agrees that, should any proceedings be brought against it or its assets, property or revenues in any jurisdiction in relation to this Agreement or any transaction contemplated by this Agreement, no immunity (whether by reason of sovereignty or otherwise) from such proceedings shall be claimed by or on behalf of the Authority with respect to its assets;
- (c) waives any right of immunity which it or its assets, property or revenues now has, may acquire in the future or which may be attributed to it in any jurisdiction; and



consents generally in respect of the enforcement of any judgement or award against it in any such proceedings to the giving of any relief or the issue of any process in any jurisdiction in connection with such proceedings (including the making, enforcement or execution against it or in respect of any assets, property or revenues whatsoever irrespective of their use or intended use of any order or judgement that may be made or given in connection therewith).

#### 11.3 Priority of agreements

In the event of any conflict between the Concession Agreement and this Agreement, the provisions contained in the Concession Agreement shall prevail over this Agreement.



#### 11.4 Alteration of terms

All additions, amendments, modifications and variations to this Agreement shall be effectual and binding only if in writing and signed by the duly authorised representatives of the Parties.

#### 11.5 Waiver

- 11.5.1 Waiver by any Party of a default by another Party in the observance and performance of any provision of or obligations under this Agreement:
  - (a) shall not operate or be construed as a waiver of any other or subsequent default hereof or of other provisions of or obligations under this Agreement;
  - (b) shall not be effective unless it is in writing and executed by a duly authorised representative of the Party; and
  - shall not affect the validity or enforceability of this Agreement in any manner.
- 11.5.2 Neither the failure by any Party to insist on any occasion upon the performance of the terms, conditions and provisions of this Agreement or any obligation thereunder nor time or other indulgence granted by any Party to another Party shall be treated or deemed as waiver of such breach or acceptance of any variation or the relinquishment of any such right hereunder.

#### 11.6. No third party beneficiaries

This Agreement is solely for the benefit of the Parties and no other person or entity shall have any rights hereunder.

#### 11.7 Survival

- 11.7.1 Termination of this Agreement:
  - (a) shall not relieve the Parties of any obligations hereunder which expressly or by implication survive termination hereof; and



- (b) except as otherwise provided in any provision of this Agreement expressly limiting the liability of either Party, shall not relieve either Party of any obligations or liabilities for loss or damage to the other Party arising out of, or caused by, acts or omissions of such Party prior to the effectiveness of such termination or arising out of such termination.
- 11.7.2 All obligations surviving the cancellation, expiration or termination of this Agreement shall only survive for a period of 3 (three) years following the date of such termination or expiry of this Agreement.

# 11.8 Severability



If for any reason whatever any provision of this Agreement is or becomes invalid, illegal or unenforceable or is declared by any court of competent jurisdiction or any other instrumentality to be invalid, illegal or unenforceable, the validity, legality or enforceability of the remaining provisions shall not be affected in any manner, and the Parties will negotiate in good faith with a view to agreeing to one or more provisions which may be substituted for such invalid, unenforceable or illegal provisions, as nearly as is practicable to such invalid, illegal or unenforceable provision. Failure to agree upon any such provisions shall not be subject to dispute resolution under Clause 10.1 of this Agreement or otherwise.

# 11.9 Successors and assigns

This Agreement shall be binding on and shall inure to the benefit of the Parties and their respective successors and permitted assigns.

#### 11.10 Notices

All notices or other communications to be given or made under this Agreement shall be in writing and shall either be delivered personally or sent by courier or registered post with an additional copy to be sent by facsimile or e-mail. The address for service of each Party, its facsimile number or e-mail are set out under its name on the signing pages hereto. A notice shall be effective upon actual receipt thereof, save that where it is received after 5.30 (five thirty) p.m. on a business day, or on a day that is not a business day, the notice shall be deemed to be received on the first business day following the date of actual receipt. Without prejudice to the foregoing, a Party giving or making a notice or communication by facsimile or e-mail shall promptly deliver a copy thereof personally, or send it by courier or registered post to the addressee of such notice or communication. It is hereby agreed and acknowledged that any Party may by notice change the address to which such notices and communications to it are to be delivered or mailed. Such change shall be effective when all the Parties have notice of it.

# 11.11 Language

All notices, certificates, correspondence and proceedings under or in connection with this Agreement shall be in English.

#### 11.12 Authorised representatives

Each of the Parties shall, by notice in writing, designate their respective authorised representatives through whom only all communications shall be made. A Party hereto shall be entitled to remove and/or substitute or make fresh appointment of such authorised representative by similar notice.

#### 11.13 Original Document

This Agreement may be executed in four counterparts, each of which when executed and delivered shall constitute an original of this Agreement.



# IN WITNESS WHEREOF THE PARTIES HAVE EXECUTED AND DELIVERED THIS AGREEMENT AS OF THE DATE FIRST ABOVE WRITTEN.

THE COMMON SEAL OF CONCESSIONAIRE has been affixed pursuant to the resolution passed by the Board of Directors of the Concessionaire at its meeting held on the ........ day of 20..... hereunto affixed in the presence of ......., Director, who has signed these presents in token thereof and ......., Company Secretary / Authorised Officer who has countersigned the same in token thereof \$\frac{1}{2}\$.

SIGNED, SEALED
AND DELIVERED
For and on behalf of
SENIOR LENDERS by the
Lenders' Representative:

(Signature) (Name) (Designation) (Address) (Fax No.) (e-mail address)

SIGNED, SEALED AND

**DELIVERED** 

For and on behalf of ESCROW BANK by:

SIGNED, SEALED AND

DELIVERED

For and on behalf of

NATIONAL HIGHWAYS AUTHORITY OF INDIA by:

(Signature)

(Name)

(Designatio

(Address) (Fax No.)

(e-mail

address)

(Signature)

(Name)

(Designation)

(Address)

(Fax No.)

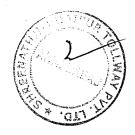
(e-mail address)

In the presence of:

1.

2.





<sup>&</sup>lt;sup>5</sup> To be affixed in accordance with the articles of association of the Concessionaire.

# SCHEDULE –T (See Clause 33.2.1)

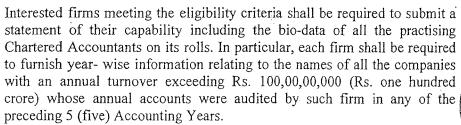
# PANEL OF CHARTERED ACCOUNTANTS -

#### 1 Panel of Chartered Accountants

Pursuant to the provisions of Clause 33.2.1 of the Agreement, the Authority and the Concessionaire shall prepare a mutually agreed panel of 10 (ten) reputable firms of Chartered Accountants having their registered offices in India (the "Panel of Chartered Accountants"). The criteria for preparing such Panel and the procedure to be adopted in this behalf shall be as set forth in this Schedule-T.

### 2 Invitation for empanelment

- 2.1 The Authority shall invite offers from all reputable firms of Chartered Accountants who fulfil the following eligibility criteria, namely:
  - (a) the firm should have conducted statutory audit of the annual accounts of at least one hundred companies registered under the Companies Act, 1956, of which at least ten should have been public sector undertakings;
  - (b) the firm should have at least 5 (five) practising Chartered Accountants on its rolls, each with a minimum experience of ten years in the profession;
  - (c) the firm or any of its partners should not have been disqualified or black-listed by the Comptroller and Auditor General of India or the Authority; and
  - (d) the firm should have an office in the State or in an adjacent State with at least 2 (two) practising Chartered Accountants on its rolls in such State.



### 3 Evaluation and selection

3.1 The information furnished by each firm shall be scrutinised and evaluated by the Authority and 1 (one) point shall be awarded for each annual audit of the companies specified in Paragraph 2.2 above. (For the avoidance of doubt, a firm which has conducted audit of the annual accounts of any such company for five years shall be awarded five points).



3.2 The Authority shall prepare a list of all the eligible firms along with the points scored by each such firm and 10 (ten) firms scoring the highest points shall be identified and included in the draft Panel of Chartered Accountants.

### 4 Consultation with the Concessionaire

The Authority shall convey the aforesaid panel of firms to the Concessionaire for scrutiny and comments, if any. The Concessionaire shall be entitled to scrutinise the relevant records of the Authority to ascertain whether the selection of firms has been undertaken in accordance with the prescribed procedure and it shall send its comments, if any, to the Authority within 15 (fifteen) days of receiving the aforesaid panel.

# 5 Mutually agreed panel

- 5.1 The Authority shall, after considering all relevant factors including the comments, if any, of the Concessionaire, finalise and constitute a panel of 10 (ten) firms which shall be deemed to be the mutually agreed Panel of Chartered Accountants.
- After completion of every five years from the date of preparing the mutually agreed Panel of Chartered Accountants, or such earlier period as may be agreed between the Authority and the Concessionaire, a new panel shall be prepared in accordance with the provisions of this Schedule T.





# SCHEDULE –U (See Clause 38.4)

# VESTING CERTIFICATE

- The Authority hereby acknowledges compliance and fulfilment by the Concessionaire of the Divestment Requirements set forth in Clause 38.1 of the Agreement on the basis that upon issue of this Vesting Certificate, the Authority shall be deemed to have acquired, and all title and interest of the Concessionaire in or about the Project Highway shall be deemed to have vested unto the Authority, free from any encumbrances, charges and liens whatsoever.
- Notwithstanding anything to the contrary contained hereinabove, it shall be a condition of this Vesting Certificate that nothing contained herein shall be construed or interpreted as waiving the obligation of the Concessionaire to rectify and remedy any defect or deficiency in any of the Divestment Requirements and/or relieving the Concessionaire in any manner of the same.

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AGREED, ACCEPTED AND SIGNED

For and on behalf of CONCESSIONAIRE by:

SIGNED, SEALED AND DELIVERED

For and on behalf of NATIONAL HIGHWAYS AUTHORITY OF INDIA by:

(Signature) (Name) (Designation)

(Address)

(Name)
(Designation)

(Signature)

(Address)

In the presence of:

1.

2.



# SCHEDULE –V (See Clause 40.3.1)

# SUBSTITUTION AGREEMENT

	SOBSTITUTION AGREEMENT is entered into on this the
AM(	ONGST
1	The National Highways Authority of India, established under the National Highways Authority Act 1988, represented by its Chairman and having it principal offices at G-5 & 6, Sector 10, Dwarka, New Delhi-110075 (hereinafter referred to as the "Authority" which expression shall unless repugnant to the context or meaning thereof include its administrators successors and assigns);
2	SHREENATHJI-UDAIPUR TOLLWAY PRIVATE LIMITED, a company

- incorporated under the provisions of the Companies Act, 1956 and having its registered office at "Sadbhav House" Opp Law Garden Police Chowki, Ellisbridge, Ahmedabad 380006, Gujarat, India, (hereinafter referred to as the "Concessionaire" which expression shall unless repugnant to the context or meaning thereof include its successors and permitted assigns and substitutes);
- 3 ......name and particulars of Lenders' Representative and having its registered office at ......, acting for and on behalf of the Senior Lenders as their duly authorised agent with regard to matters arising out of or in relation to this Agreement (hereinafter referred to as the "Lenders' Representative", which expression shall unless repugnant to the context or meaning thereof include its successors and substitutes);

### WHEREAS:

- (A)
- The Authority has entered into a Concession Agreement dated ....... with the Concessionaire (the "Concession Agreement") for Four-Laning of the Gomati Chauraha Udaipur section (km 177.000 to km 260.100) of National Highway No. 8 in the State of Rajasthan on design, build, finance, operate and transfer basis (DBFOT), and a copy of which is annexed hereto and marked as Annex-A to form part of this Agreement.
- (B) Senior Lenders have agreed to finance the Project in accordance with the terms and conditions set forth in the Financing Agreements. 288
- (C) Senior Lenders have requested the Authority to enter into this Substitution Agreement for securing their interests through assignment, transfer and



substitution of the Concession to a Nominated Company in accordance with the provisions of this Agreement and the Concession Agreement.

(D) In order to enable implementation of the Project including its financing, construction, operation and maintenance, the Authority has agreed and undertaken to transfer and assign the Concession to a Nominated Company in accordance with the terms and conditions set forth in this Agreement and the Concession Agreement.

NOW, THEREFORE, in consideration of the foregoing and the respective covenants and agreements set forth in this Agreement, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, the Parties agree as follows:

# 1 DEFINITIONS AND INTERPRETATION

#### 1.1 Definitions

In this Substitution Agreement, the following words and expressions shall, unless repugnant to the context or meaning thereof, have the meaning hereinafter respectively assigned to them:

"Agreement" means this Substitution Agreement and any amendment thereto made in accordance with the provisions contained in this Agreement;

"Financial Default" means occurrence of a material breach of the terms and conditions of the Financing Agreements or a continuous default in Debt Service by the Concessionaire for a minimum period of 3 (three) months;

"Lenders' Representative" means the person referred to as the Lenders' Representative in the foregoing Recitals;

"Nominated Company" means a company, incorporated under the provisions of the Companies Act, 1956, selected by the Lenders' Representative, on behalf of Senior Lenders, and proposed to the Authority for assignment/transfer of the Concession as provided in this Agreement;

"Notice of Financial Default" shall have the meaning ascribed thereto in Clause 3.2.1; and

"Parties" means the parties to this Agreement collectively and "Party" shall mean any of the Parties to this Agreement individually.



### 1.2 Interpretation

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1.2.1 References to Lenders' Representative shall, unless repugnant to the context or meaning thereof, mean references to the Lenders' Representative, acting

for and on behalf of Senior Lenders.

- 1.2.2 References to Clauses are, unless stated otherwise, references to Clauses of this Agreement.
- 1.2.3 The words and expressions beginning with capital letters and defined in this Agreement shall have the meaning ascribed thereto herein, and the words and expressions used in this Agreement and not defined herein but defined in the Concession Agreement shall, unless repugnant to the context, have the meaning ascribed thereto in the Concession Agreement.
- 1.2.4 The rules of interpretation stated in Clauses 1.2, 1.3 and 1.4 of the Concession Agreement shall apply, *mutatis mutandis*, to this Agreement.

#### 2 ASSIGNMENT

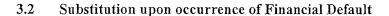
# 2.1 Assignment of rights and title

The Concessionaire hereby agrees to assign the rights, title and interest in the Concession to, and in favour of, the Lenders' Representative pursuant to and in accordance with the provisions of this Agreement and the Concession Agreement by way of security in respect of financing by the Senior Lenders under the Financing Agreements.

### 3 SUBSTITUTION OF THE CONCESSIONAIRE

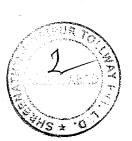
#### 3.1 Rights of substitution

- 3.1.1 Pursuant to the rights, title and interest assigned under Clause 2.1, the Lenders' Representative shall be entitled to substitute the Concessionaire by a Nominated Company under and in accordance with the provisions of this Agreement and the Concession Agreement.
- 3.1.2 The Authority hereby agrees to substitute the Concessionaire by endorsement on the Concession Agreement in favour of the Nominated Company selected by the Lenders' Representative in accordance with this Agreement. (For the avoidance of doubt, the Senior Lenders or the Lenders' Representative shall not be entitled to operate and maintain the Project Highway as Concessionaire either individually or collectively).



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3.2.1 Upon occurrence of a Financial Default, the Lenders' Representative may issue a notice to the Concessionaire (the "Notice of Financial Default") along with particulars thereof, and send a copy to the Authority for its information and record. A Notice of Financial Default under this Clause 3



- shall be conclusive evidence of such Financial Default and it shall be final and binding upon the Concessionaire for the purposes of this Agreement.
- 3.2.2 Upon issue of a Notice of Financial Default hereunder, the Lenders' Representative may, without prejudice to any of its rights or remedies under this Agreement or the Financing Agreements, substitute the Concessionaire by a Nominated Company in accordance with the provisions of this Agreement.
- 3.2.3 At any time after the Lenders' Representative has issued a Notice of Financial Default, it may by notice require the Authority to suspend all the rights of the Concessionaire and undertake the operation and maintenance of the Project Highway in accordance with the provisions of Article 36 of the Concession Agreement, and upon receipt of such notice, the Authority shall undertake Suspension under and in accordance with the provisions of the Concession Agreement. The aforesaid Suspension shall be revoked upon substitution of the Concessionaire by a Nominated Company, and in the event such substitution is not completed within 180 (one hundred and eighty) days from the date of such Suspension, the Authority may terminate the Concession Agreement forthwith by issuing a Termination Notice in accordance with the provisions of the Concession Agreement; provided that upon written request from the Lenders' Representative and the Concessionaire, the Authority may extend the aforesaid period of 180 (one hundred and eighty) days by a period not exceeding 90 (ninety) days. For the avoidance of doubt, the Authority expressly agrees and undertakes to terminate the Concession Agreement forthwith, upon receipt of a written request from the Lenders' Representative at any time after 240 (two hundred and forty) days from the date of Suspension hereunder.

#### 3.3 Substitution upon occurrence of Concessionaire Default

- 3.3.1 Upon occurrence of a Concessionaire Default, the Authority shall by a notice inform the Lenders' Representative of its intention to issue a Termination Notice and grant 15 (fifteen) days time to the Lenders' Representative to make a representation, stating the intention to substitute the Concessionaire by a Nominated Company.
- 3.3.2 In the event that the Lenders' Representative makes a representation to the Authority within the period of 15 (fifteen) days specified in Clause 3.3.1, stating that it intends to substitute the Concessionaire by a Nominated Company, the Lenders' Representative shall be entitled to undertake and complete the substitution of the Concessionaire by a Nominated Company in accordance with the provisions of this Agreement within a period of 180 (one hundred and eighty) days from the date of such representation, and the Authority shall either withhold Termination or undertake Suspension for the 291 aforesaid period of 180 (one hundred and eighty) days; provided that upon written request from the Lenders' Representative and the Concessionaire, the

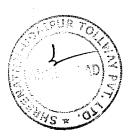




Authority shall extend the aforesaid period of 180 (one hundred and eighty) days by a period not exceeding 90 (ninety) days.

#### 3.4 Procedure for substitution

- 3.4.1 The Authority and the Concessionaire hereby agree that on or after the date of Notice of Financial Default or the date of representation to the Authority under Clause 3.3.2, as the case may be, the Lenders' Representative may, without prejudice to any of the other rights or remedies of the Senior Lenders, invite, negotiate and procure offers, either by private negotiations or public auction or tenders for the take over and transfer of the Project Highway including the Concession to the Nominated Company upon such Nominated Company's assumption of the liabilities and obligations of the Concessionaire towards the Authority under the Concession Agreement and towards the Senior Lenders under the Financing Agreements.
- 3.4.2 To be eligible for substitution in place of the Concessionaire, the Nominated Company shall be required to fulfil the eligibility criteria that were laid down by the Authority for shortlisting the bidders for award of the Concession; provided that the Lenders' Representative may represent to the Authority that all or any of such criteria may be waived in the interest of the Project, and if the Authority determines that such waiver shall not have any material adverse effect on the Project, it may waive all or any of such eligibility criteria.
- 3.4.3 Upon selection of a Nominated Company, the Lenders' Representative shall request the Authority to:
  - (a) accede to transfer to the Nominated Company the right to construct, operate and maintain the Project Highway in accordance with the provisions of the Concession Agreement;
  - (b) endorse and transfer the Concession to the Nominated Company, on the same terms and conditions, for the residual Concession Period; and
  - enter into a Substitution Agreement with the Lenders' Representative and the Nominated Company on the same terms as are contained in this Agreement.
- 3.4.4 If the Authority has any objection to the transfer of Concession in favour of the Nominated Company in accordance with this Agreement, it shall within 15 (fifteen) days from the date of proposal made by the Lenders' Representative, give a reasoned order after hearing the Lenders' Representative. If no such objection is raised by the Authority, the



Nominated Company shall be deemed to have been accepted. The Authority thereupon shall transfer and endorse the Concession within 15 (fifteen) days of its acceptance/deemed acceptance of the Nominated Company; provided that in the event of such objection by the Authority, the Lenders' Representative may propose another Nominated Company whereupon the procedure set forth in this Clause 3.4 shall be followed for substitution of such Nominated Company in place of the Concessionaire.

# 3.5 Selection to be binding

The decision of the Lenders' Representative and the Authority in selection of the Nominated Company shall be final and binding on the Concessionaire. The Concessionaire irrevocably agrees and waives any right to challenge the actions of the Lenders' Representative or the Senior Lenders or the Authority taken pursuant to this Agreement including the transfer/assignment of the Concession in favour of the Nominated Company. The Concessionaire agrees and confirms that it shall not have any right to seek revaluation of assets of the Project or the Concessionaire's shares. It is hereby acknowledged by the Parties that the rights of the Lenders' Representative are irrevocable and shall not be contested in any proceedings before any court or Authority and the Concessionaire shall have no right or remedy to prevent, obstruct or restrain the Authority or the Lenders' Representative from effecting or causing the transfer by substitution and endorsement of the Concession as requested by the Lenders' Representative.

# 4 PROJECT AGREEMENTS

# 4.1 Substitution of Nominated Company in Project Agreements

The Concessionaire shall ensure and procure that each Project Agreement contains provisions that entitle the Nominated Company to step into such Project Agreement, in its discretion, in place and substitution of the Concessionaire in the event of such Nominated Company's assumption of the liabilities and obligations of the Concessionaire under the Concession Agreement.

#### 5 TERMINATION OF CONCESSION AGREEMENT

# 5.1 Termination upon occurrence of Financial Default

At any time after issue of a Notice of Financial Default, the Lenders' Representative may by a notice in writing require the Authority to terminate the Concession Agreement forthwith, and upon receipt of such notice, the Authority shall undertake Termination under and in accordance with the provisions of Article 37 of the Concession Agreement.

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#### 5.2 Termination when no Nominated Company is selected

In the event that no Nominated Company acceptable to the Authority is selected and recommended by the Lenders' Representative within the period of 180 (one hundred and eighty) days or any extension thereof as set forth in Clause 3.3.2, the Authority may terminate the Concession Agreement forthwith in accordance with the provisions thereof.

#### 5.3 Realisation of Debt Due

The Authority and the Concessionaire hereby acknowledge and agree that, without prejudice to their any other right or remedy, the Lenders' Representative is entitled to receive from the Concessionaire, without any further reference to or consent of the Concessionaire, the Debt Due upon Termination of the Concession Agreement. For realisation of the Debt Due, the Lenders' Representative shall be entitled to make its claim from the Escrow Account in accordance with the provisions of the Concession Agreement and the Escrow Agreement.

#### 6 DURATION OF THE AGREEMENT

# 6.1 Duration of the Agreement

This Agreement shall come into force from the date hereof and shall expire at the earliest to occur of the following events:

- (a) Termination of the Agreement; or
- (b) no sum remains to be advanced, or is outstanding to the Senior Lenders, under the Financing Agreements.

#### 7 INDEMNITY

### 7.1 General indemnity

The Concessionaire will indemnify, defend and hold the Authority and the Lenders' Representative harmless against any and all proceedings, actions and third party claims for any loss, damage, cost and expense of whatever kind and nature arising out of any breach by the Concessionaire of any of its obligations under this Agreement or on account of failure of the Concessionaire to comply with Applicable Laws and Applicable Permits.



7.1.2 The Authority will indemnify, defend and hold the Concessionaire harmless against any and all proceedings, actions and third party claims for any loss, damage, cost and expense arising out of failure of the Authority to fulfil any of its obligations under this Agreement, materially and adversely affecting 2.34

the performance of the Concessionaire's obligations under the Concession Agreement or this Agreement, other than any loss, damage, cost and expense, arising out of acts done in discharge of their lawful functions by the Authority, its officers, servants and agents.

7.1.3 The Lenders' Representative will indemnify, defend and hold the Concessionaire harmless against any and all proceedings, actions and third party claims for any loss, damage, cost and expense arising out of failure of the Lenders' Representative to fulfil its obligations under this Agreement, materially and adversely affecting the performance of the Concessionaire's obligations under the Concession Agreement, other than any loss, damage, cost and expense, arising out of acts done in discharge of their lawful functions by the Lenders' Representative, its officers, servants and agents.

#### 7.2 Notice and contest of claims

In the event that any Party hereto receives a claim from a third party in respect of which it is entitled to the benefit of an indemnity under Clause 7.1 or in respect of which it is entitled to reimbursement (the "Indemnified Party"), it shall notify the other Party responsible for indemnifying such claim hereunder (the "Indemnifying Party") within 15 (fifteen) days of receipt of the claim and shall not settle or pay the claim without the prior approval of the Indemnifying Party, such approval not to be unreasonably withheld or delayed. In the event that the Indemnifying Party wishes to contest or dispute the claim, it may conduct the proceedings in the name of the Indemnified Party and shall bear all costs involved in contesting the same. The Indemnified Party shall provide all cooperation and assistance in contesting any claim and shall sign all such writings and documents as the Indemnifying Party may reasonably require.

#### 8 DISPUTE RESOLUTION

# 8.1 Dispute resolution

8.1.1 Any dispute, difference or claim arising out of or in connection with this Agreement which is not resolved amicably shall be decided by reference to arbitration to a Board of Arbitrators comprising one nominee each of the Authority, Concessionaire and the Lenders' Representative. Such arbitration shall be held in accordance with the Rules of Arbitration of the International Centre for Alternative Dispute Resolution, New Delhi (the "Rules") or such other rules as may be mutually agreed by the Parties, and shall be subject to provisions of the Arbitration and Conciliation Act, 1996.

8.1.2 The Arbitrators shall issue a reasoned award and such award shall be final and binding on the Parties. The venue of arbitration shall be Delhi and the



language of arbitration shall be English.

#### 9 MISCELLANEOUS PROVISIONS

# 9.1 Governing law and jurisdiction

This Agreement shall be construed and interpreted in accordance with and governed by the laws of India, and the Courts at Delhi shall have jurisdiction over all matters arising out of or relating to this Agreement.

### 9.2 Waiver of sovereign immunity

The Authority unconditionally and irrevocably:

- agrees that the execution, delivery and performance by it of this Agreement constitute commercial acts done and performed for commercial purpose;
- (b) agrees that, should any proceedings be brought against it or its assets, property or revenues in any jurisdiction in relation to this Agreement or any transaction contemplated by this Agreement, no immunity (whether by reason of sovereignty or otherwise) from such proceedings shall be claimed by or on behalf of the Authority with respect to its assets;
- (c) waives any right of immunity which it or its assets, property or revenues now has, may acquire in the future or which may be attributed to it in any jurisdiction; and
- (d) consents generally in respect of the enforcement of any judgement or award against it in any such proceedings to the giving of any relief or the issue of any process in any jurisdiction in connection with such proceedings (including the making, enforcement or execution against it or in respect of any assets, property or revenues whatsoever irrespective of their use or intended use of any order or judgement that may be made or given in connection therewith).

#### 9.3 Priority of agreements

In the event of any conflict between the Concession Agreement and this Agreement, the provisions contained in the Concession Agreement shall prevail over this Agreement.

# prevail over this Agreement. 9.4 Alteration of terms

All additions, amendments, modifications and variations to this Agreement



shall be effectual and binding only if in writing and signed by the duly authorised representatives of the Parties.

#### 9.5 Waiver

- 9.5.1 Waiver by any Party of a default by another Party in the observance and performance of any provision of or obligations under this Agreement:
  - (a) shall not operate or be construed as a waiver of any other or subsequent default hereof or of other provisions of or obligations under this Agreement;
  - (b) shall not be effective unless it is in writing and executed by a duly authorised representative of the Party; and
  - (c) shall not affect the validity or enforceability of this Agreement in any manner.
- 9.5.2 Neither the failure by either Party to insist on any occasion upon the performance of the terms, conditions and provisions of this Agreement or any obligation thereunder nor time or other indulgence granted by a Party to another Party shall be treated or deemed as waiver of such breach or acceptance of any variation or the relinquishment of any such right hereunder.

### 9.6 No third party beneficiaries

This Agreement is solely for the benefit of the Parties and no other person or entity shall have any rights hereunder.

# 9.7 Survival

- 9.7.1 Termination of this Agreement:
  - (a) shall not relieve the Parties of any obligations hereunder which expressly or by implication survive termination hereof; and



- (b) except as otherwise provided in any provision of this Agreement expressly limiting the liability of either Party, shall not relieve either Party of any obligations or liabilities for loss or damage to the other Party arising out of or caused by acts or omissions of such Party prior to the effectiveness of such termination or arising out of such termination.
- 9.7.2 All obligations surviving the cancellation, expiration or termination of this Agreement shall only survive for a period of 3 (three) years following the



date of such termination or expiry of this Agreement.

### 9.8 Severability

If for any reason whatever any provision of this Agreement is or becomes invalid, illegal or unenforceable or is declared by any court of competent jurisdiction or any other instrumentality to be invalid, illegal or unenforceable, the validity, legality or enforceability of the remaining provisions shall not be affected in any manner, and the Parties will negotiate in good faith with a view to agreeing to one or more provisions which may be substituted for such invalid, unenforceable or illegal provisions, as nearly as is practicable to such invalid, illegal or unenforceable provision. Failure to agree upon any such provisions shall not be subject to dispute resolution under Clause 8 of this Agreement or otherwise.

#### 9.9 Successors and assigns

This Agreement shall be binding on and shall inure to the benefit of the Parties and their respective successors and permitted assigns.

#### 9.10 Notices

All notices or other communications to be given or made under this Agreement shall be in writing, shall either be delivered personally or sent by courier or registered post with an additional copy to be sent by facsimile or e-mail. The address for service of each Party, its facsimile number and e-mail address are set out under its name on the signing pages hereto. A notice shall be effective upon actual receipt thereof, save that where it is received after 5.30 (five thirty) p.m. on any day, or on a day that is a public holiday, the notice shall be deemed to be received on the first working day following the date of actual receipt. Without prejudice to the foregoing, a Party giving or making a notice or communication by facsimile or e-mail shall promptly deliver a copy thereof personally, or send it by courier or registered post to the addressee of such notice or communication. It is hereby agreed and acknowledged that any Party may by notice change the address to which such notices and communications to it are to be delivered or mailed. Such change shall be effective when all the Parties have notice of it.



#### 9.11 Language

All notices, certificates, correspondence and proceedings under or in connection with this Agreement shall be in English.

### 9.12 Authorised representatives

Each of the Parties shall by notice in writing designate their respective authorised representatives through whom only all communications shall be made. A Party hereto shall be entitled to remove and/or substitute or make fresh appointment of such authorised representative by similar notice.

# 9.13 Original Document

This Agreement may be executed in three counterparts, each of which when executed and delivered shall constitute an original of this Agreement.



