



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

(Ministry of Road Transport and Highways, Government of India)

जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली - 110 075 • G-5 & 6, Sector-10, Dwarka, New Delhi-110075

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### NHAI/Policy Guidelines/Standard Documents/2024

#### Policy Circular No.11.60/2024 dated 05<sup>th</sup> September, 2024

{Decision taken on E-Office File No. NHAI/HO/DPRModifications/2024 (Comp. No. 237000)}

**Sub: Standard RFP Document for Procurement of DPR Consultancy Services - Modification in Policy Circular No. 11.57/2024 dated 14.06.2024 along with costing guidelines for DPR Consultancy Services - reg.**

NHAI vide Policy Circular No. 11.57/2024 dated 14.06.2024 issued the RFP Document for DPR Consultancy Services on Fixed Cost Basis.

2. In order to improve the bidder participation few Amendments have been approved in the Standard RFP Document issued vide Policy Circular referred above. The Amendments to the DPR RFP Document are attached as **Annexure-A** to this Policy Circular.

3. Further, broad guidelines for Cost Assessment of DPR Consultancy Assignments for various Project lengths have also been approved in order to facilitate the process for the Technical Divisions at NHAI HQ. The guidelines for Cost Estimation are attached as **Annexure-B** to this Policy Circular.

4. This issues with the approval of Competent Authority.

**Encl.: Annexure-A: Amendments to the DPR RFP Document**

**Annexure-B: Guidelines for Cost Assessment of DPR Consultancy Assignments**

*[Handwritten signature]*  
05/09/2024

(CS. Sanjay Kumar Patel)  
General Manager (Coord.)

**To:**

All Officers of NHAI HQ/ ROs/ PIUs/ CMUs/ Site Offices

**Copy to:**

1. Hindi Division for translation in Hindi.
2. Library for hosting the circular on library site.
3. Web Admin for circulation.

**Annexure-A to Policy Circular****Amendments to DPR RFP Document**

| S No.          | Existing Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Modified Clause |                                      |      |             |                |               |           |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                                      |      |             |                |               |           |             |
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| 1.             | <p>NIT</p> <p>2. Proposals are hereby invited from eligible Consultants for preparation of Detailed Project Report of &lt;Project Description&gt;. The Letter of Invitation (LOI) and Terms of Reference (ToR) including Request for Proposal (RFP) is available online on e-tender portal of <a href="https://eprocure.gov.in">https://eprocure.gov.in</a>. The document can also be downloaded from National Highways Authority of India Website. Cost of the Document in the form of a Non-refundable document fee of Rs. 5,000 (Rupees Five Thousand only) through online/SFMS gateway. The details of which are as follows:-</p> <table><tr><td>Beneficiary</td><td>National Highways Authority of India</td></tr><tr><td>Bank</td><td>Canara Bank</td></tr><tr><td>Account Number</td><td>8598201005819</td></tr><tr><td>IFSC Code</td><td>CNRB0008598</td></tr></table> <p>3. The RFP has also been uploaded on "INFRACON" (<a href="http://www.infracon.nic.in">www.infracon.nic.in</a>). As such before.</p> <p>3. The RFP has also been uploaded on "INFRACON" (<a href="http://www.infracon.nic.in">www.infracon.nic.in</a>). As such before submitting the proposal the Consultant shall mandatorily register and enlist themselves (the firm and all key personnel), on the MoRTH portal "INFRACON" and furnish registration details along with its RFP. A copy of Infracon Operation Procedure is also enclosed for bidder's reference.</p> | Beneficiary     | National Highways Authority of India | Bank | Canara Bank | Account Number | 8598201005819 | IFSC Code | CNRB0008598 | <p>NIT</p> <p>2. Proposals are hereby invited from eligible Consultants for preparation of Detailed Project Report of &lt;Project Description&gt;. The Letter of Invitation (LOI) and Terms of Reference (ToR) including Request for Proposal (RFP) is available online on e-tender portal of <a href="https://eprocure.gov.in">https://eprocure.gov.in</a>. The document can also be downloaded from National Highways Authority of India Website. Cost of the Document in the form of a Non-refundable document fee of Rs. 5,000 (Rupees Five Thousand only) <b>has to be deposited through online/SFMS gateway in NHAI Account, details of which are as follows:-</b></p> <table><tr><td>Beneficiary</td><td>National Highways Authority of India</td></tr><tr><td>Bank</td><td>Canara Bank</td></tr><tr><td>Account Number</td><td>8598201005819</td></tr><tr><td>IFSC Code</td><td>CNRB0008598</td></tr></table> <p><b>Repetition in para Deleted</b></p> <p>3. The RFP has also been uploaded on "INFRACON" (<a href="http://www.infracon.nic.in">www.infracon.nic.in</a>). As such before submitting the proposal the Consultant shall mandatorily register and enlist themselves (the firm and all key personnel), on the MoRTH portal "INFRACON" and furnish registration details along with its RFP.</p> | Beneficiary | National Highways Authority of India | Bank | Canara Bank | Account Number | 8598201005819 | IFSC Code | CNRB0008598 |
| Beneficiary    | National Highways Authority of India                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                                      |      |             |                |               |           |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                                      |      |             |                |               |           |             |
| Bank           | Canara Bank                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                      |      |             |                |               |           |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                                      |      |             |                |               |           |             |
| Account Number | 8598201005819                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |                                      |      |             |                |               |           |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                                      |      |             |                |               |           |             |
| IFSC Code      | CNRB0008598                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                      |      |             |                |               |           |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                                      |      |             |                |               |           |             |
| Beneficiary    | National Highways Authority of India                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                                      |      |             |                |               |           |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                                      |      |             |                |               |           |             |
| Bank           | Canara Bank                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                      |      |             |                |               |           |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                                      |      |             |                |               |           |             |
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| IFSC Code      | CNRB0008598                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                      |      |             |                |               |           |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                                      |      |             |                |               |           |             |

| S No. | Existing Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Modified Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.    | <p>LOI Clause 1.1</p> <p>1.1 The &lt;Agency&gt; <b>has been has been</b> entrusted with the assignment of &lt;Project Description&gt;. &lt;Agency&gt; now invites proposal from Technical consultants for carrying out detailed project report as per details given in Annexure-1.</p>                                                                                                                                                                                                                                                                                                                                                                                                   | <p>LOI Clause 1.1</p> <p>1.1 The &lt;Agency&gt; <b>has been</b> entrusted with the assignment of &lt;Project Description&gt;. &lt;Agency&gt; now invites proposal from Technical consultants for carrying out detailed project report as per details given in Annexure-1.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3.    | <p>LOI Clause 1.4</p> <p>The consultants shall submit proposals either in sole capacity or in JV or in Association. In case of Joint Venture, the maximum number of Joint Venture partners is limited to 2 (i.e. one lead + 1 JV partner). The Applicant whether a sole applicant or joint venture may include an Associate company also. Any entity which has been barred by the Ministry of Road Transport and Highways (MORTH) or its implementing agencies for the works of Expressways, National Highways, ISC and EI Works and the bar subsists as on the date of application, would not be eligible to submit the bid, either individually or as a member of a Joint Venture.</p> | <p>LOI Clause 1.4</p> <p>The consultants shall submit proposals either in sole capacity or in JV or in Association. In case of Joint Venture, the maximum number of Joint Venture partners is limited to 2 (i.e. one lead + 1 JV partner). The Applicant whether a sole applicant or joint venture may include any Associate company also. <b>Associate during execution of the consultancy assignment can only provide technology/equipment/ maximum of 25% of Sub-professional staff and a maximum of 2 Key-Professionals (except Team Leader)</b>. Any entity which has been barred by the Ministry of Road Transport and Highways (MORTH) or its implementing agencies for the works of Expressways, National Highways, ISC and EI Works and the bar subsists as on the date of application, would not be eligible to submit the bid, either individually or as a member of a Joint Venture.</p> |
| 4.    | <p>LOI Clause 1.6</p> <p>1.6 Financial Proposals are not to be submitted separately and shall be as per Form-II of Appendix-IV of the RFP The consultancy services will be awarded to the highest ranking consultant on the basis of <b>Quality</b>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>LOI Clause 1.6</p> <p>1.6 Financial Proposals are not to be submitted separately and shall be as per Form-II of Appendix-IV of the RFP The consultancy services will be awarded to the highest ranking consultant on the basis of <b>Technical Score subject to availability of residual DPR bid capacity</b>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 5.    | <p>LOI Clause 3.2.3 x)</p> <p>CVs of following <b>4 (four) Key Personnels</b> may be submitted only through Infracon in Form-T-10.</p> <p>[Team Leader cum Senior Highways Engineers, Senior Bridge</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>LOI Clause 3.2.3 x)</p> <p>CVs of all <b>10 (Ten) Key Personnels</b> shall be submitted only through Infracon in Form-T-10 <b>at the time of bid submission</b>. However, due to limited availability of Land Acquisition Expert and Utility Expert on Infracon Portal, for these 2 positions, CVs not on Infracon can also</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| S No. | Existing Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Modified Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       | <p>Engineer, Highway cum Pavement Engineer &amp; Traffic / Road Signage / Marking and Safety Expert in case of Normal Highway Project]</p> <p>[Team Leader cum Senior Bridge Engineer, Highway cum Pavement Engineer, Bridge/Structural Engineer &amp; Material cum Geo-Technical Engineer-Geologist in case of Standalone Bridge Project]</p> <p>[Team Leader cum Senior Tunnel Expert, Tunnel Design Expert, Senior Geo-Physicist &amp; Senior Geotechnical Engineer in case Standalone Tunnel Project].</p> <p><b>For remaining key personnels, the CVs need to be submitted for approval prior to signing of contract.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>be submitted as part of the Technical Bid subject to the condition that the same CVs shall be uploaded on the Infracon portal before declaration of the Technical Bid Evaluation Result. For all such CVs the experience certificates and degrees shall have to be attached with the CVs for corroborating the details of the CV. The responsibility of submission of correct details lies with the Bidding Firm as well as the Key-Personnel and submission of any fake documents shall be render the firm as well as Key-Personnel liable for debarment upto 2 years as well as action under relevant provisions of IPC/CrPC.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 6.    | <p>LOI 3.2.4 (ii)</p> <p>The minimum requirements of Qualification and Experience of all key personnel are listed in Enclosure-II of TOR. CV of a person who does not meet the minimum experience requirement as given at enclosure-II of TOR shall be evaluated and the marks obtained shall be taken into consideration during evaluation of Technical Proposal (except Team leader). However if a firm with such key personnel is declared the "most preferred bidder" for a particular package, such key personnel should be replaced before signing of contract with a person meeting requirements of Qualification and Experience as given at enclosure-II of TOR and whose CV secures <b>75 %</b> marks and above. If a proposed key personnel does not possess the minimum (essential) educational qualification as given at enclosure-II of TOR, Zero marks shall be assigned to such CV and such CV shall not be evaluated further. The CV of the proposed Team Leader should score at least <b>75 %</b> marks otherwise the entire proposal shall be considered to have failed in the evaluation of</p> | <p>LOI 3.2.4 (ii)</p> <p>The minimum requirements of Qualification and Experience of all key personnel are listed in Enclosure-II of TOR. CV of a person who does not meet the minimum experience requirement as given at enclosure-II of TOR shall be evaluated and the marks obtained shall be taken into consideration during evaluation of Technical Proposal (except Team leader). However if a firm with such key personnel is declared the "most preferred bidder" for a particular package, such key personnel should be replaced before signing of contract with a person meeting requirements of Qualification and Experience as given at enclosure-II of TOR and whose CV secures <b>70 %</b> marks and above. If a proposed key personnel does not possess the minimum (essential) educational qualification as given at enclosure-II of TOR, Zero marks shall be assigned to such CV and such CV shall not be evaluated further. The CV of the proposed Team Leader should score at least <b>70 %</b> marks otherwise the entire proposal shall be considered to have failed in the evaluation of Technical Proposals and shall not be considered for award of consultancy assignments.</p> |



| S No. | Existing Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Modified Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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|       | Technical Proposals and shall not be considered for award of consultancy assignments.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 7.    | <p>LOI Clause 5.5<br/>Most Preferred Bidder (H-1).</p> <p>For a particular package, a Consultant with a "particular Team" having the maximum <b>Combined score (S)</b> shall be declared as the most preferred bidder (H-1).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>LO Clause 5.5<br/>Most Preferred Bidder (H-1).</p> <p>For a particular package, a Consultant with a "particular Team" having the maximum <b>Technical score</b> shall be declared as the most preferred bidder (H-1). <b>A bidder with a particular team can bid for a particular package only. For bidding multiple packages, the bidder should form equal no. of teams. In case, bidder with lesser team no.s bid for more packages, then bidder will be considered for evaluation in packages with lower length.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|       | <p>LOI Clause 5.6</p> <p>In case work has to be awarded for multiple packages, award of work to a Consultant with "a Particular Team" either as sole or as in JV/Association shall be limited to one package only. At first, Consultants who become H-1 in one package each shall be assigned the respective package. Then packages in which a Consultant with "a Particular Team" turns out to be the most preferred bidder (H-1) in more than one package shall be considered. In case, a Consultant with "a Particular Team" turns out to be the most preferred bidder (H-1) in more than one package, <b>the package which is to be awarded to this team of a consultant shall be determined on the basis of availability of Residual DPR Bid Capacity of the bidder and the package with longer length be awarded to the H-1 bidder.</b></p> | <p>LOI Clause 5.6</p> <p>In case work has to be awarded for multiple packages, award of work to a Consultant with "a Particular Team" either as sole or as in JV/Association shall be limited to one package only. At first, Consultants who become H-1 in one package each shall be assigned the respective package. Then packages in which a Consultant with "a Particular Team" turns out to be the most preferred bidder (H-1) in more than one package shall be considered. In case, a Consultant with "a Particular Team" turns out to be the most preferred bidder (H-1) in more than one package, <b>the package which is to be awarded to this team of a consultant shall be the package with longer length. The balance packages shall be awarded to the H-2 (second highest technical scoring) bidder in the respective packages.</b></p> <p><b>In case the Consultants with multiple teams, turns out to be the most preferred bidder (H-1) in more than one package, then packages with longer lengths shall be awarded to the H-1 bidder, subject to availability of the Residual Bid Capacity. However, in case, the Residual Bid Capacity does not allow</b></p> |

| S No.  | Existing Clause | Modified Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |       |       |       |        |        |        |        |        |        |        |        |        |        |        |       |       |       |       |        |        |        |        |        |        |       |       |       |        |
|--------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|
|        |                 | <p>award of multiple projects of longer lengths to the H-1 bidder, then such packages be awarded to bidder that H-1 bidder get awarded the maximum no. of projects. Balance projects be awarded to H-2 bidders. Under no circumstances is the work to be awarded to H-3 or lower ranked bidders Illustrations are as under:</p> <p>Tender for 5 packages of lengths 300km, 100 km, 100 km, 150 km, 200 km respectively is invited wherein 4 bidders viz., A, B, C, D participated and their Residual bid capacities of the bidders are 500 km, 200 km, 150 km &amp; 800 km respectively.</p> <p>The technical result is as under:</p> <table><tr><td>Pkg-1</td><td>Pkg-2</td><td>Pkg-3</td><td>Pkg-4</td><td>Pkg-5</td></tr><tr><td>300 km</td><td>100 km</td><td>100 km</td><td>150 km</td><td>200 km</td></tr><tr><td>H-1: A</td><td>H-1: A</td><td>H-1: A</td><td>H-1: B</td><td>H-1: A</td></tr><tr><td>H-2: D</td><td>H-2:B</td><td>H-2:D</td><td>H-2:A</td><td>H-2:B</td></tr><tr><td>H-3: B</td><td>H-3: C</td><td>H-3: C</td><td>H-3: C</td><td>H-3: D</td></tr><tr><td>H-4:NA</td><td>H-4:D</td><td>H-4:B</td><td>H-4:D</td><td>H-4:NA</td></tr></table> <p>In above result it has been assumed that each bidder has proposed a separate team for each of the project and the residual bid capacity of the bidder is more than the individual length of packages for which the bidder has submitted the bid. All bidders have bid for all 5 packages with 5 different teams. Bidder C has not been considered eligible for Pkg-1 &amp; Pkg-5 as its Residual bid capacity is 150km but package lengths are 300 km and 200 km respectively.</p> <p>The award of work shall be as under:<br/>Pkg 1: To be awarded to A<br/>Pkg 2: To be awarded to A</p> | Pkg-1  | Pkg-2  | Pkg-3 | Pkg-4 | Pkg-5 | 300 km | 100 km | 100 km | 150 km | 200 km | H-1: A | H-1: A | H-1: A | H-1: B | H-1: A | H-2: D | H-2:B | H-2:D | H-2:A | H-2:B | H-3: B | H-3: C | H-3: C | H-3: C | H-3: D | H-4:NA | H-4:D | H-4:B | H-4:D | H-4:NA |
| Pkg-1  | Pkg-2           | Pkg-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Pkg-4  | Pkg-5  |       |       |       |        |        |        |        |        |        |        |        |        |        |        |       |       |       |       |        |        |        |        |        |        |       |       |       |        |
| 300 km | 100 km          | 100 km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 150 km | 200 km |       |       |       |        |        |        |        |        |        |        |        |        |        |        |       |       |       |       |        |        |        |        |        |        |       |       |       |        |
| H-1: A | H-1: A          | H-1: A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | H-1: B | H-1: A |       |       |       |        |        |        |        |        |        |        |        |        |        |        |       |       |       |       |        |        |        |        |        |        |       |       |       |        |
| H-2: D | H-2:B           | H-2:D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H-2:A  | H-2:B  |       |       |       |        |        |        |        |        |        |        |        |        |        |        |       |       |       |       |        |        |        |        |        |        |       |       |       |        |
| H-3: B | H-3: C          | H-3: C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | H-3: C | H-3: D |       |       |       |        |        |        |        |        |        |        |        |        |        |        |       |       |       |       |        |        |        |        |        |        |       |       |       |        |
| H-4:NA | H-4:D           | H-4:B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | H-4:D  | H-4:NA |       |       |       |        |        |        |        |        |        |        |        |        |        |        |       |       |       |       |        |        |        |        |        |        |       |       |       |        |

| S No. | Existing Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Modified Clause                                                                                                                                                                                                                                                                                                                                                                               |
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|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p>Pkg 3: To be awarded to A<br/> Pkg 4: To be awarded to B<br/> Pkg 5: To be Retendered (as H-2 bidder has exhausted is residual Bid Capacity)</p> <p>Note: Here bidder 'A' is not awarded Pkg-5 as it would have exhausted the Residual Bid capacity of 'A' and a total of only two packages would have been awarded to a H-1 bidder including Pkg-1.</p>                                   |
| 9.    | <p>LOI Clause 5.6.1</p> <p>Subject to the provisions of Clause 5.45, the bidder whose Bid is adjudged as responsive. In case, two bidders have same technical score. The bidder then. If H-1 is 'Class-I Local Bidder' or has more local content, will be awarded the consultancy assignment</p>                                                                                                                                                                                                                                                                                      | <p>LOI Clause 5.6.1</p> <p>In case, two bidders have same technical score, then the bidder with more Residual Bid Capacity (after award of other packages in the bundle of bids to both bidders, if any) shall be awarded the work. In case, the Residual Bid Capacity of the bidder is also same then the bidder who has more local content, will be awarded the consultancy assignment.</p> |
| 10.   | <p>LOI Clause 6.2</p> <p>Further, in case where the bid of the successful consulting firm is less than 85% of the average of all bids received, the successful consulting firm shall have to submit an Additional Performance Security (APS) in the form of a Bank Guarantee for 30% of the differential value between the successful bid and average of all the bids received. The BG shall be valid for a period of [xx+2] months i.e. upto 2 months beyond the expiry of the Contract of [xx] months. The other requirements of APS are same as those of Performance Security.</p> | <p>LOI Clause 6.2</p> <p>Deleted</p>                                                                                                                                                                                                                                                                                                                                                          |
| 11.   | <p>LOI Clause 5.1 (ii)</p> <p>The Proposal is accompanied by Bid Security of required value and of validity equal or more than the minimum required validity.</p>                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>LOI Clause 5.1 (ii)</p> <p>Deleted</p>                                                                                                                                                                                                                                                                                                                                                     |
| 12.   | LOI Clause 5.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LOI Clause 5.2                                                                                                                                                                                                                                                                                                                                                                                |

| S No. | Existing Clause                                                                                                                                                                                                                                                                                                                                       | Modified Clause                                                                                                                                                                                                                                                                                                                                                            |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       | In the second stage the Technical proposal shall be evaluated as per the detailed evaluation criteria given in Data Sheet.<br>A proposal securing <b>75 points</b> shall be declared pass in the evaluation Technical Proposal .The technical proposal should score at least <b>75 points</b> out of 100 qualify for award of consultancy assignment. | In the second stage the Technical proposal shall be evaluated as per the detailed evaluation criteria given in Data Sheet.<br>A proposal securing <b>70 points</b> shall be declared pass in the evaluation Technical Proposal. The technical proposal should score at least <b>70 points</b> out of 100 shall be considered eligible for award of consultancy assignment. |
| 13.   | Form T-2<br><br>Details of projects for which Technical Proposals have been submitted                                                                                                                                                                                                                                                                 | Form T-2<br><br>Details of projects for which Technical Proposals have been submitted                                                                                                                                                                                                                                                                                      |
|       | Sl. No. Name of Project Consultancy Package No. Names of Proposed Key Personnel                                                                                                                                                                                                                                                                       | Sl. No. Name of Project Consultancy Package No. Names of Proposed Key Personnel Infracon Team ID                                                                                                                                                                                                                                                                           |
|       |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                            |
|       |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                            |
|       |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                            |
|       |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                            |

| S No. | Existing Clause                                                                   |                                       |          |          |  | Modified Clause                                                                   |                                       |          |          |                                                                                                                                                    |
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| 14.   | APPENDIX-IV Form-II<br>IX-Survey & Investigation<br>B. Investigation (Fixed Cost) |                                       |          |          |  | APPENDIX-IV Form-II<br>IX-Survey & Investigation<br>B. Investigation (Fixed Cost) |                                       |          |          |                                                                                                                                                    |
|       | S No.                                                                             | Description                           | Quantity | Amount   |  | S No                                                                              | Description                           | Quantity | Amount   | Remarks                                                                                                                                            |
|       | 10                                                                                | Hydrological Models for Major Bridges | LS       | 5,00,000 |  | 10                                                                                | Hydrological Models for Major Bridges | LS       | 5,00,000 | <b>This BOQ item is for mathematical modelling based on CWC data.</b><br><br><b>Physical Model Study to be done through IITs/CWPRS on specific</b> |

| S No. | Existing Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |            |               | Modified Clause |                                                                                                                                                                                                                                          |        |                                       |                                                                                                                                                        |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|---------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |            |               |                 |                                                                                                                                                                                                                                          |        |                                       | instructions of Authority as per recommendation of DPR Consultants, for which payments shall directly be done by NHAI to that organisation separately. |
| 11.   | *Geotechnical Investigation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Rate/m | Qty (in m) | Amount (INR.) | 11.             | *Geotechnical Investigation                                                                                                                                                                                                              | Rate/m | Qty (in m)                            | Amount (INR.)                                                                                                                                          |
|       | To be done as per frequency and rates as per Annexure-I of RFP. Provisional Sum of 30 lakhs kept for this purpose                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |            | 30,00,000/-   |                 | To be done as per frequency and rates as per Annexure-I of RFP. <b>Provisional Sum to be taken as per costing guidelines</b>                                                                                                             |        |                                       | <b>To be taken as per costing guidelines</b>                                                                                                           |
|       | <b>Note:</b> Payment shall be made on the actual quantity of boring at rates quoted above by the Consultant which may be substantially more or less than the estimated quantities.                                                                                                                                                                                                                                                                                                                                                                                                    |        |            |               |                 | <b>Note:</b> Payment shall be made on the actual quantity of boring at rates given in Enclosure-V.                                                                                                                                       |        |                                       |                                                                                                                                                        |
|       | XI. Land acquisition team including support staff and logistics<br><br>Note: The Consultant shall provide one Land Acquisition Expert along with allied team and supporting logistic as envisaged in Clause 5.1.5.1 of TOR for each 100 km stretches proposed for DPR preparation or part thereof (For example total length of package is 343 km, there will be four team).<br>The Consultant shall provide one Land Acquisition Expert along with allied team and supporting logistic as envisaged in Clause 5.1.5.1 of TOR for each CALA for stretches proposed for DPR preparation |        |            |               |                 | XI. Land acquisition team including support staff and logistics<br><br>Note: The Consultant shall provide allied team and supporting logistic for each district along with Land Acquisition Expert for man months as defined in the BOQ. |        |                                       |                                                                                                                                                        |
|       | New Addition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |            |               | 12              | Provisional Sum towards Environment Clearance/ Wildlife Clearance                                                                                                                                                                        | LS     | To be taken as per costing guidelines | To be paid only if Environment/ Wildlife Clearance is required in the approved alignment.                                                              |

| S No. | Existing Clause                               |                                                                                                                                                                                                                                                                                                          |             | Modified Clause                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |
|-------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 15.   | APPENDIX-V<br>DETAILED EVALUATION CRITERIA    |                                                                                                                                                                                                                                                                                                          |             | APPENDIX-V<br>DETAILED EVALUATION CRITERIA    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |
|       | 2.4.1 TEAM LEADER cum SENIOR HIGHWAY ENGINEER |                                                                                                                                                                                                                                                                                                          |             | 2.4.1 TEAM LEADER cum SENIOR HIGHWAY ENGINEER |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |
|       | I.                                            | Desirable Qualification                                                                                                                                                                                                                                                                                  | 25          | I.                                            | Qualification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 25                                     |
|       | S. No.                                        | Description                                                                                                                                                                                                                                                                                              | Max. Points | S. No.                                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Max. Points                            |
|       | 1.                                            | Full Time Post-Graduation in Construction Management Management / Transportation/ Highway Engineering For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries*<br><br>For other colleges give 50% marks i.e 12.50 marks | 25          | 1.                                            | Full Time Graduation in Civil Engineering or Equivalent from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries*<br>For other AICTE approved colleges give 50% marks i.e. 5 marks<br><br>Post-Graduation<br><br>Full Time/Regular Post-Graduation in Construction Management / Transportation/ Highway Engineering For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries*<br><br>For other AICTE approved colleges give 50% marks i.e 7.5 marks]<br><br>Part Time Post-Graduation in Construction Management / Transportation/ Highway Engineering For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* | 10<br><br><br><br>15<br><br><br><br>10 |

| S No. | Existing Clause                                                                                                                                                                          |    | Modified Clause                                                                                                                                                                          |    |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|       |                                                                                                                                                                                          |    | For other AICTE approved colleges give 50% marks i.e 5 marks]                                                                                                                            |    |
| II    | Relevant Experience & Adequacy for the Project                                                                                                                                           | 70 | II Relevant Experience & Adequacy for the Project                                                                                                                                        | 70 |
| c)    | Experience in Similar Capacity                                                                                                                                                           | 40 | c) Experience in Similar Capacity                                                                                                                                                        | 40 |
| (i)   | In Feasibility of 2/4/6 laning works or DPR/ of major highway projects i.e. 2/4/6 laning of NH/SH/Expressways in Similar Capacity ( Minimum Aggregate length of 80 km )                  | 20 | (i) In Feasibility of 2/4/6 laning works or DPR/ of major highway projects i.e. 2/4/6 laning of NH/SH/Expressways in Similar Capacity ( Minimum Aggregate length of 80 km )              | 30 |
|       | < 80km                                                                                                                                                                                   | 0  | < 80km                                                                                                                                                                                   | 0  |
|       | 80 km-150km                                                                                                                                                                              | 15 | 80 km-150km                                                                                                                                                                              | 17 |
|       | >150km-250km                                                                                                                                                                             | 17 | >150km-250km                                                                                                                                                                             | 20 |
|       | > 250km                                                                                                                                                                                  | 20 | > 250km -300km                                                                                                                                                                           | 23 |
|       |                                                                                                                                                                                          |    | > 300km -400km                                                                                                                                                                           | 26 |
|       |                                                                                                                                                                                          |    | Add 1 point for each additional 50 km subject to max 4 points                                                                                                                            |    |
| ii)   | In Feasibility of 2/4/6 laning works or DPR of major highway projects i.e. 2/4/6 laning of NH/SH/Expressways in Similar Capacity- Number of Projects in hill roads (Minimum length 20km) | 20 | In Feasibility of 2/4/6 laning works or DPR of major highway projects i.e. 2/4/6 laning of NH/SH/Expressways in Similar Capacity- Number of Projects in hill roads (Minimum length 20km) | 10 |
|       | < 2 projects                                                                                                                                                                             | 0  | < 1 project                                                                                                                                                                              | 0  |
|       | 2 projects                                                                                                                                                                               | 8  | 1 project                                                                                                                                                                                | 4  |
|       | 3- 5 projects                                                                                                                                                                            | 10 | 2- 3 projects                                                                                                                                                                            | 6  |
|       | 5-10 projects                                                                                                                                                                            | 12 | 4-6 projects                                                                                                                                                                             | 8  |
|       | 10-15 projects                                                                                                                                                                           | 15 | More than 6 projects                                                                                                                                                                     | 10 |

| S No.                         | Existing Clause                                                                                                                                                                                                                                                                    |             | Modified Clause               |                                                                                                                                                                                                                                                                                                          |             |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
|                               | Each additional project add 1 mark subject to max of 5 additional marks                                                                                                                                                                                                            |             | Deleted                       |                                                                                                                                                                                                                                                                                                          |             |
| III                           | Employment with Firm                                                                                                                                                                                                                                                               | 5           | III                           | Employment with Firm                                                                                                                                                                                                                                                                                     | 5           |
|                               | > 1 Year                                                                                                                                                                                                                                                                           | 0           |                               | Less than 1 Year                                                                                                                                                                                                                                                                                         | 0           |
|                               | 1 year                                                                                                                                                                                                                                                                             | 2           |                               | 1 year                                                                                                                                                                                                                                                                                                   | 2           |
|                               | Add 0.5 marks for each subsequent year subject to maximum of 3 marks                                                                                                                                                                                                               |             |                               | Add 0.5 marks for each subsequent year subject to maximum of 3 marks                                                                                                                                                                                                                                     |             |
| 2.4.2 HIGHWAY DESIGN ENGINEER |                                                                                                                                                                                                                                                                                    |             | 2.4.2 HIGHWAY DESIGN ENGINEER |                                                                                                                                                                                                                                                                                                          |             |
| S. No.                        | Description                                                                                                                                                                                                                                                                        | Max. Points | S. No.                        | Description                                                                                                                                                                                                                                                                                              | Max. Points |
| 1.                            | Full Time Post-Graduation in Transportation/ Highway Engineering<br>For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* give full marks<br>For other colleges give 50% marks i.e. 12.5 marks | 25          | 1.                            | Full Time Graduation in Civil Engineering or Equivalent from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries*<br>For other AICTE approved colleges give 50% marks i.e. 5 marks]<br>Post-Graduation                          | 10          |
|                               |                                                                                                                                                                                                                                                                                    |             |                               | Full Time/Regular Post-Graduation in Transportation/ Highway Engineering<br>For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries* give full marks<br>For other AICTE approved colleges give 50% marks i.e. 7.5 marks | 15          |
|                               |                                                                                                                                                                                                                                                                                    |             |                               | Part Time Post-Graduation in Transportation/ Highway Engineering<br>For PG from any IIT/NIT/IISC/BITS or other State                                                                                                                                                                                     | 10          |

| S No.                        | Existing Clause                                                                                                                                                                                                         |             |        | Modified Clause                                                                                                                                                                                                                                                                                   |                                                                                                                                                                           |  |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                              |                                                                                                                                                                                                                         |             |        |                                                                                                                                                                                                                                                                                                   | Government Engineering College of Repute or Engineering Colleges of Developed Countries* give full marks<br>For other AICTE approved colleges give 50% marks i.e. 5 marks |  |
| 2.4.3 SENIOR BRIDGE ENGINEER |                                                                                                                                                                                                                         |             |        | 2.4.3 SENIOR BRIDGE ENGINEER                                                                                                                                                                                                                                                                      |                                                                                                                                                                           |  |
| S. No.                       | Description                                                                                                                                                                                                             | Max. Points | S. No. | Description                                                                                                                                                                                                                                                                                       | Max. Points                                                                                                                                                               |  |
| 1.                           | Full Time Post-Graduation Structural/Bridge Engineering in<br>For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks] | 30          | 1.     | Full Time Graduation in Civil Engineering or Equivalent from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries*<br>For other AICTE approved colleges give 50% marks i.e. 5 marks                                       | 10                                                                                                                                                                        |  |
|                              |                                                                                                                                                                                                                         |             |        | Post-Graduation                                                                                                                                                                                                                                                                                   |                                                                                                                                                                           |  |
|                              |                                                                                                                                                                                                                         |             |        | Full Time/Regular Post-Graduation Structural/Bridge Engineering in<br>For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks.<br>For other AICTE approved colleges give 50% marks i.e. 10 marks | 20                                                                                                                                                                        |  |
|                              |                                                                                                                                                                                                                         |             |        | Part Time Post-Graduation in Structural/Bridge Engineering<br>For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks.<br>For other AICTE approved colleges give 50% marks                       | 12                                                                                                                                                                        |  |

| S No.  | Existing Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |        | Modified Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |  |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--|
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |        | i.e. 6 marks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |  |
|        | 2.4.4 Traffic / Road Signage / Marking and Safety Expert                                                                                                                                                                                                                                                                                                                                                                                                          |             |        | 2.4.4 Traffic / Road Signage / Marking and Safety Expert                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |  |
| S. No. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Max. Points | S. No. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Max. Points |  |
| 1.     | <p>Full Time Post-Graduation in Traffic/ Transportation/ Safety Engineering or equivalent.</p> <p>Post-Graduation in Transportation planning will also be considered provided it is obtained after Graduation in Civil Engineering.</p> <p>For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks</p> <p>For other colleges give 50% marks i.e. 12.50 marks</p> | 25          | 1.     | <p>Full Time Graduation in Civil Engineering or Equivalent from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries*</p> <p>For other AICTE approved colleges give 50% marks i.e. 5 marks</p>                                                                                                                                                                                                                        | 10          |  |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |        | Post-Graduation                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |  |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |        | <p><b>Full Time/Regular</b> Post-Graduation in Traffic/ Transportation/ Safety Engineering or equivalent.</p> <p>Post-Graduation in Transportation planning will also be considered provided it is obtained after Graduation in Civil Engineering.</p> <p>For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks</p> <p>For other AICTE approved colleges give 50% marks i.e. 7.5 marks</p> | 15          |  |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |        | <p><b>Part Time</b> Post-Graduation in Traffic/ Transportation/ Safety Engineering or equivalent.</p> <p>Post-Graduation in Transportation planning will also be considered provided it is obtained after Graduation in Civil Engineering.</p> <p>For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or</p>                                                                                                                                            | 10          |  |

| S No.  | Existing Clause                                                                                                                                                                                                                                                                                                                              |             |        | Modified Clause                                                                                                                                                                                                                                                                                                                                                       |             |  |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--|
|        |                                                                                                                                                                                                                                                                                                                                              |             |        | Engineering Colleges of Developed Countries give full marks<br>For other AICTE approved colleges give 50% marks i.e. 5 marks                                                                                                                                                                                                                                          |             |  |
|        | 2.4.5 MATERIAL ENGINEER cum GEOTECHNICAL ENGINEER cum GEOLOGIST                                                                                                                                                                                                                                                                              |             |        | 2.4.5 MATERIAL ENGINEER cum GEOTECHNICAL ENGINEER cum GEOLOGIST                                                                                                                                                                                                                                                                                                       |             |  |
| S. No. | Description                                                                                                                                                                                                                                                                                                                                  | Max. Points | S. No. | Description                                                                                                                                                                                                                                                                                                                                                           | Max. Points |  |
| 1.     | Full Time Post-Graduation in Foundation Engineering / Soil Mechanics / Geo Tech Engineering or Phd in Geology.<br>For PG/Doctorate from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks<br>For other colleges give 50%marks<br>i.e. 12.50 marks | 25          | 1.     | Full Time Graduation in Civil Engineering or Equivalent or M.Sc. in Geology from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries*<br>For other AICTE approved colleges give 50% marks i.e. 5 marks.                                                                                      | 10          |  |
|        |                                                                                                                                                                                                                                                                                                                                              |             |        | Post-Graduation                                                                                                                                                                                                                                                                                                                                                       |             |  |
|        |                                                                                                                                                                                                                                                                                                                                              |             |        | <b>Full Time/Regular</b> Post-Graduation in Foundation Engineering / Soil Mechanics / Geo Tech Engineering or Phd in Geology.<br>For PG/Doctorate from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks<br>For other AICTE approved colleges give 50%marks i.e. 7.5 marks | 15          |  |
|        |                                                                                                                                                                                                                                                                                                                                              |             |        | <b>Part Time</b> Post-Graduation in Foundation Engineering / Soil Mechanics / Geo Tech Engineering or Phd in Geology.<br>For PG/Doctorate from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed                                                                                                     | 10          |  |

| S No.  | Existing Clause                                                                                                                                                                                                                                                                                          |             |        | Modified Clause                                                                                                                                                                                                                                                                                                       |             |  |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--|
|        |                                                                                                                                                                                                                                                                                                          |             |        | Countries give full marks<br>For other colleges give 50%marks<br>i.e. 5 marks                                                                                                                                                                                                                                         |             |  |
|        | 2.4.6 SENIOR SURVEY ENGINEER                                                                                                                                                                                                                                                                             |             |        | 2.4.6 SENIOR SURVEY ENGINEER                                                                                                                                                                                                                                                                                          |             |  |
| S. No. | Description                                                                                                                                                                                                                                                                                              | Max. Points | S. No. | Description                                                                                                                                                                                                                                                                                                           | Max. Points |  |
| 1.     | Full Time Post-Graduation in Survey Engineering / Surveying / Remote Sensing.<br>For PG/Doctorate from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks<br>For other colleges give 50%marks i.e. 12.50 marks | 25          | 1.     | For Full Time Diploma in Civil Engg or Diploma in Surveying or equivalent from any Central/State Government Engineering College of Repute or Engineering Colleges of Developed Countries*<br>For other govt. approved colleges give 75% marks i.e. 13.5 marks.                                                        | 18          |  |
|        |                                                                                                                                                                                                                                                                                                          |             |        | Full Time/Part Time Graduation in Civil Engineering from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries*<br>For other AICTE approved colleges give 75% marks i.e. 18.75 marks.                                                          | 25          |  |
|        | 2.4.7 ENVIRONMENTAL SPECIALIST                                                                                                                                                                                                                                                                           |             |        | 2.4.7 ENVIRONMENTAL SPECIALIST                                                                                                                                                                                                                                                                                        |             |  |
| S. No. | Description                                                                                                                                                                                                                                                                                              | Max. Points | S. No. | Description                                                                                                                                                                                                                                                                                                           | Max. Points |  |
| 1.     | Full Time Post-Graduation in Environmental Engineering or equivalent.<br>For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks<br><br>For other colleges give 50% marks i.e. 12.50                    | 25          | 1.     | Full Time Graduation Graduate in Civil Engineering / Environment Engineering / Masters in Environment Science<br>from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries*<br>For other AICTE approved colleges give 50% marks i.e. 5 marks. | 10          |  |

| S No. | Existing Clause                                                                                                                                                                                                                                                                                                                                     |       | Modified Clause                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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|       |                                                                                                                                                                                                                                                                                                                                                     | marks |                                                                                                                                                                                                                                                                                                                                                                                                | <div>Post-Graduation</div> <div><b>Full Time/Regular</b> Post-Graduation or Doctorate in <b>Environmental Engineering/Environment Management or equivalent.</b><br/>For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks<br/>For other colleges give 50% marks i.e. 7.5 marks</div> <div><b>Part-Time</b> Post-Graduation or Doctorate in <b>Environmental Engineering/Environment Management or equivalent.</b><br/>For PG from any IIT/NIT/IISC/BITS or other State Government Engineering College of Repute or Engineering Colleges of Developed Countries give full marks<br/>For other colleges give 50% marks i.e. 5 marks</div> |
| 16.   | NA                                                                                                                                                                                                                                                                                                                                                  |       | In all relevant Clauses, "Highway cum Pavement Engineer" to be replaced with "Highway Design Engineer" except in clause relating to similar capacity                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 17.   | NA                                                                                                                                                                                                                                                                                                                                                  |       | In all relevant Clauses, "Senior Bridge Engineer" to be replaced with "Senior Bridge Design Engineer" except in clause relating to similar capacity                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 18.   | TOR, Clause 4.<br><br>General<br>First, the Feasibility Study of the project shall have to be completed then only the consultancy assignment shall be taken to DPR stage after specific instructions from Authority based on the outcome of the feasibility study. The Duration of entire assignment shall be <b>12 months</b> which can be reduced |       | TOR, Clause 4.<br><br>General<br>First, the Feasibility Study of the project shall have to be completed then only the consultancy assignment shall be taken to DPR stage after specific instructions from Authority based on the outcome of the feasibility study. The Duration of entire assignment shall be <b>&lt;to be kept as per costing guidelines&gt;</b> which can be reduced only in |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| S<br>No. | Existing Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Modified Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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|          | <p>only in compelling circumstances with approval of NHAI. The broad components of Feasibility Study and DPR Study are (but not limited to) the following:</p> <p>Part-I: Components of Feasibility Study (To be completed in <b>First 3 Months</b>):</p> <ol style="list-style-type: none"> <li>1. Traffic Study including axle load surveys</li> <li>2. Alignment Options after verification through PMG Gati Shakti Portal</li> <li>3. <b>Topographical Study</b></li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> </ol> <p>Part-II Components of DPR Study (To be started from <b>4th Month onwards</b>):</p> <ol style="list-style-type: none"> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>17. Financial Feasibility of the Project for Authority from Socio-Economic Prospect and strictly in Financial Prospects (with detailed cost analysis)</li> <li>18. Proposing Mode of Contract Execution-EPC/HAM/BOT (Toll)/BOT (Annuity)</li> </ol> | <p>compelling circumstances with approval of NHAI. The broad components of Feasibility Study and DPR Study are (but not limited to) the following:</p> <p>Part-I: Components of Feasibility Study* (To be completed in <b>&lt;to be kept as per costing guidelines&gt;</b>):</p> <ol style="list-style-type: none"> <li>1. Traffic Study including axle load surveys</li> <li>2. Alignment Options after verification through PMG Gati Shakti Portal</li> <li>3. <b>Preliminary Topographical Study</b></li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> </ol> <p><b>Note*: In case feasibility study is not to be done, the activities relevant to the DPR should be added to the scope of work DPR i.e. Part-II below.</b></p> <p>Part-II Components of DPR Study (To be started from <b>&lt;to be kept as per costing guidelines&gt;</b>):</p> <ol style="list-style-type: none"> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>17. Financial Feasibility of the Project for Authority from Socio-Economic Prospect and strictly in Financial Prospects (with detailed cost analysis)</li> <li>18. Proposing Mode of Contract Execution-EPC/HAM/BOT (Toll)/BOT (Annuity)</li> </ol> |

| S No. | Existing Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |            | Modified Clause                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |            |
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|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |            | <b>19. Detailed Topographical Study</b>                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |            |
| 19.   | Datasheet<br>3. Duration of the Project: <b>365 days</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |            | Datasheet<br>3. Duration of the Project: <b>&lt;to be kept as per costing guidelines&gt;</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |            |
| 20.   | Datasheet Clause 12.2 Table in Point A1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |            | Datasheet Clause 12.2 Table A1                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |            |
|       | A1 Firm's Profile, turnover and professionals working with the firm (10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |            | A1 Firm's Profile, turnover and professionals working with the firm (10)                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |            |
| S No. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Max Points | Sub-Points | S No.                                                                                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Max Points | Sub-Points |
| 1     | Nos. of Key Professionals with the firm for more than <b>3 years*</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5          |            | 1                                                                                            | Nos. of Key Professionals with the firm for more than <b>1 years*</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5          |            |
| 1.1   | <10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            | 0          | 1.1                                                                                          | <10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            | 0          |
| 1.2   | >10 but ≤25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            | 1.5        | 1.2                                                                                          | >10 but ≤25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | 1.5        |
| 1.3   | >25 but ≤40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            | 2.5        | 1.3                                                                                          | >25 but ≤40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | 2.5        |
| 1.4   | >40 but ≤60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            | 3.5        | 1.4                                                                                          | >40 but ≤60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | 3.5        |
| 1.5   | >60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            | 5          | 1.5                                                                                          | >60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            | 5          |
|       | Note* The key professionals who possess degree in Civil Engineering/Transport Planning /Transport Economics/Traffic Management / Geology/ Environment Science or Engineering and 8 years' experience in highway/bridge /tunnel with employment in the firm for more than <b>three year</b> . The current Employment Certificate shall be uploaded by Key Personnel on INFRACON. <b>The Head Office of the Consultant should also have at least 3 Sr Highway Design Engineer, 2 Senior Pavement/material Specialist, 2 Senior Bridge design Engineer, 2 geotechnical Engineer and 2 Traffic/Road Safety Expert on employee</b> |            |            |                                                                                              | Note* The key professionals who possess degree in Civil Engineering/Transport Planning /Transport Economics/Traffic Management / Geology/ Environment Science or Engineering and 8 years' experience in highway/bridge /tunnel with employment in the firm for more than <b>one year</b> . The current Employment Certificate shall be uploaded by Key Personnel on INFRACON. <b>These Key-Personnel should be inclusive of at least 3 Sr Highway Design Engineer, 2 Senior Pavement/material Specialist, 2 Senior Bridge design Engineer, 2 geotechnical Engineer and 2 Traffic/Road Safety Expert on employee roll at Head Office or Site Office of the Consultant to</b> |            |            |

| S No.                                                                                                                                                                                                           | Existing Clause                                                                                                                                      |                                                                                        |                |            | Modified Clause                                                                                                                                                                                                                        |                                                                                                                                                      |   |            |            |
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|                                                                                                                                                                                                                 |                                                                                                                                                      | roll to be eligible for marks in this criteria.                                        |                |            |                                                                                                                                                                                                                                        | be eligible for marks in this criteria.                                                                                                              |   |            |            |
| 2                                                                                                                                                                                                               |                                                                                                                                                      | Specific experience of firms in terms of turnover in <b>last three Financial Years</b> | 5              |            | 2                                                                                                                                                                                                                                      | Specific experience of firms in terms of turnover in <b>last five (5) Financial Years</b>                                                            | 5 |            |            |
| 2.1                                                                                                                                                                                                             |                                                                                                                                                      | Firm's Average Turnover of last 5 years >250 crore                                     |                | 5          | 2.1                                                                                                                                                                                                                                    | Firm's Average Turnover of last 5 years >250 crore                                                                                                   |   | 5          |            |
| 2.2                                                                                                                                                                                                             |                                                                                                                                                      | Firm Average Turnover of last 5 years 50 - 250 crore                                   |                | 4          | 2.2                                                                                                                                                                                                                                    | Firm Average Turnover of last 5 years 50 - 250 crore                                                                                                 |   | 4          |            |
| 2.3                                                                                                                                                                                                             |                                                                                                                                                      | Firm Average Turnover of last 5 years - >5 but < 50 crore                              |                | 3.5        | 2.3                                                                                                                                                                                                                                    | Firm Average Turnover of last 5 years - >5 but < 50 crore                                                                                            |   | 3.5        |            |
| 21.                                                                                                                                                                                                             | Datasheet Clause 12.2 Table in Point A2                                                                                                              |                                                                                        |                |            | Datasheet Clause 12.2 Table in Point A2                                                                                                                                                                                                |                                                                                                                                                      |   |            |            |
|                                                                                                                                                                                                                 | A2 Firm's relevant experience in last 7 years for DPR work (30)                                                                                      |                                                                                        |                |            | A2 Firm's relevant experience in last 7 years for DPR work (30)                                                                                                                                                                        |                                                                                                                                                      |   |            |            |
| S No.                                                                                                                                                                                                           | Description                                                                                                                                          |                                                                                        | Max Points     | Sub-Points | S No.                                                                                                                                                                                                                                  | Description                                                                                                                                          |   | Max Points | Sub-Points |
| 2.                                                                                                                                                                                                              | DPR of Major Bridges/ROBs having length more than 1000 m (excluding approaches)                                                                      |                                                                                        | 5              |            | 2.                                                                                                                                                                                                                                     | DPR of Major Bridges/ROBs/ <b>Viaducts</b> having length more than 1000 m (excluding approaches)                                                     |   | 5          |            |
| Note: In case feasibility study is a part of DPR services the experience shall be counted in DPR only. In case bridge is included as part of DPR of highway the experience will be counted in both (1) and (2). |                                                                                                                                                      |                                                                                        |                |            | Note:<br>1. In case feasibility study is a part of DPR services the experience shall be counted in DPR only.<br><br>2. In case bridge is included as part of DPR of highway the experience will be counted in both SI No. (1) and (2). |                                                                                                                                                      |   |            |            |
| 22.                                                                                                                                                                                                             | Datasheet Clause 12.2 Table in Point B                                                                                                               |                                                                                        |                |            | Datasheet Clause 12.2 Table in <b>Point B1</b>                                                                                                                                                                                         |                                                                                                                                                      |   |            |            |
| S. No.                                                                                                                                                                                                          | Description                                                                                                                                          |                                                                                        | Maximum Points | Sub-Points | S. No.                                                                                                                                                                                                                                 | Description                                                                                                                                          |   | Max        | Sub-Points |
| 1                                                                                                                                                                                                               | Availability of Material Testing Facilities with persons/resources having operational skills of the equipment (as per details given below the table) |                                                                                        | 0.75           |            | 1                                                                                                                                                                                                                                      | Availability of Material Testing Facilities with persons/resources having operational skills of the equipment (as per details given below the table) |   | 0.75       |            |
| 1.1                                                                                                                                                                                                             | Owned* (Available In House) or                                                                                                                       |                                                                                        |                | 1.50       | 1.1                                                                                                                                                                                                                                    | Owned* (Available In House) or                                                                                                                       |   |            | 0.75       |

| S No. | Existing Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                              |           | Modified Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                              |           |
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|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Outsourced (Hire basis/Through Associate) supported by MOU / lease Agreement |           |
|       | 1.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Not Available                                                                | 0         | 1.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Not Available                                                                | 0         |
|       | List of minimum essential equipment which the firm must possess for securing marks in respective categories:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                              |           | List of minimum essential equipment which the firm must possess for securing marks in respective categories:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                              |           |
|       | Field Investigation Facilities (All should be available to be eligible for full marks)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                              |           | Field Investigation Facilities (All should be available to be eligible for full marks)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                              |           |
|       | Benkelman Beam or equivalent / better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |           | Falling Weight Deflectometer or equivalent / better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                              |           |
|       | Roughometer or equivalent / better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                              |           | Laser Profilometer or equivalent / better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                              |           |
|       | DGPS and Total station with appropriate software or equivalent / better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                              |           | DGPS and Total station with appropriate software or equivalent / better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                              |           |
|       | Datasheet Clause 12.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |           | Datasheet Clause 12.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                              |           |
|       | B2 Experience in use of technology (5)<br><br>Note (ii) The experience of firm/associate in use of technology shall be supported by experience certificate. The experience of a firm/associate for a private concessionaire/ contractor (client) shall be considered on self-certification along with the client certificate of Government agencies not below the rank of EE/PD/GM or equivalent officer. In case of overseas experience the weightage to be assigned to the certificate for experience in use of the equipment, a self-certificate followed by the client certificate with Apostille Certificate may be accepted. Any false certification shall attract provisions of <b>Clause 1.8, Section -2 (letter of Invitation) read with Clause 2.9.1(g) of GCC.</b> |                                                                              |           | B2 Experience in use of technology (5)<br><br>Note (ii) The experience of firm/associate in use of technology shall be supported by experience certificate. The experience of a firm/associate for a private concessionaire/ contractor (client) shall be considered on self-certification along with the client certificate of Government agencies not below the rank of EE/PD/GM or equivalent officer. In case of overseas experience the weightage to be assigned to the certificate for experience in use of the equipment, a self-certificate followed by the client certificate with Apostille Certificate may be accepted. Any false certification shall attract provisions of <b>Clause 3.2.3 x), Section -2 (letter of Invitation) read with Clause 2.9.1(d) of GCC.</b> |                                                                              |           |
| 23.   | GCC Clause 6.3 (b) Payment Schedule:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                              |           | GCC Clause 6.3 (b) Payment Schedule:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                              |           |
|       | S No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Item                                                                         | Payment % | S No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Item                                                                         | Payment % |
|       | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Approval of final Alignment Report, Traffic                                  | 5%        | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Approval of final Alignment Report, Traffic Study,                           | 10%       |

| S No. | Existing Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                     |      | Modified Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                               |         |
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|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Study, Topographical Study and Submission of ToR for EAC                                                            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Topographical Study and Submission of ToR for EAC                                                                                                                                                             |         |
|       | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Submission of LAC-1 and LAC-2 Proposal                                                                              | 10%  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Submission of LAC-1 and LAC-2 Proposal <b>(for NHAI/MoRTH as the case may be)</b>                                                                                                                             | 10%     |
|       | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Submission of final feasibility Report                                                                              | 5%   | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Submission of final feasibility Report                                                                                                                                                                        | 7.5%    |
|       | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Submission Of 3a Notification, Draft 3 A And Approval Of Final Land Acquisition Report containing details of 3a, 3A | 5%   | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Submission Of 3a Notification, Draft 3 A and <b>Publication</b> of 3a, 3A notifications                                                                                                                       | 5%      |
|       | 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Appraisal of Project by SFC                                                                                         | 5%   | 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Clearance of the project by NPG (if applicable) and Appraisal of Project by SFC (if applicable).</b><br>In case none of above is applicable then payment shall be released on approval of Project by NHAI. | 5%      |
|       | 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Clearance of the project by NPG                                                                                     | 2.5% | 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Clearance of the project by NPG                                                                                                                                                                               | Deleted |
|       | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Approval of Project by Competent Authority                                                                          | 5%   | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Approval of Project by Competent Authority                                                                                                                                                                    | Deleted |
| 24.   | SCC Clause 2.1 (b)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                     |      | SCC Clause 2.1 (b)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                               |         |
|       | b) The consultant will furnish within 15 days of the issue of letter of acceptance, an unconditional Bank Guarantee an amount equivalent to <b>3%</b> of the total contract value to be received by him from a Nationalized Bank, IDBI or ICICI/ICICI Bank/Foreign Bank/EXIM Bank / Any Scheduled Commercial Bank approved by RBI having a net worth of not less than <b>500 crore</b> as per latest Annual Report of the Bank. In the case of a Foreign Bank (issued by a Branch in India) the net worth in respect of Indian operations shall only be taken into account. In case of Foreign Bank, the BG issued by Foreign Bank should be counter guaranteed by any Nationalized Bank in India. In case of JV, the BG shall be furnished on behalf of the JV or lead partner of JV for an amount equivalent to 10 % of the total contract value to be received by him towards Performance Security valid for a |                                                                                                                     |      | b) The consultant will furnish within 15 days of the issue of letter of acceptance, an unconditional Bank Guarantee an amount equivalent to <b>10%</b> of the total contract value to be received by him from a Nationalized Bank, IDBI or ICICI/ICICI Bank/Foreign Bank/EXIM Bank / Any Scheduled Commercial Bank approved by RBI having a net worth of not less than <b>1000 crore</b> as per latest Annual Report of the Bank. In the case of a Foreign Bank (issued by a Branch in India) the net worth in respect of Indian operations shall only be taken into account. In case of Foreign Bank, the BG issued by Foreign Bank should be counter guaranteed by any Nationalized Bank in India. In case of JV, the BG shall be furnished on behalf of the JV or lead partner of JV for an amount equivalent to 10 % of the total contract value to be received by him towards Performance Security valid for a period of three years beyond the date of completion of services. |                                                                                                                                                                                                               |         |

| S No.  | Existing Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Modified Clause                                                               |                                    |                                                     |  |  |                     |                              |                        |   |                                         |   |   |    |   |                               |   |   |   |   |                         |   |   |   |   |               |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |               |                                                                               |  |  |                           |                                    |                         |   |                                         |     |     |                                                     |   |                               |     |     |   |                         |     |     |
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|        | period of three years beyond the date of completion of services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                               |                                    |                                                     |  |  |                     |                              |                        |   |                                         |   |   |    |   |                               |   |   |   |   |                         |   |   |   |   |               |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |               |                                                                               |  |  |                           |                                    |                         |   |                                         |     |     |                                                     |   |                               |     |     |   |                         |     |     |
| 25.    | <p>GCC Clause 7.2 Retention Money</p> <p>An amount equivalent to 8% of the contract value shall be retained at the end of the contract for accuracy of design and quantities submitted and the same will be released after the completion of civil contract works or after 3 years from completion of consultancy services, whichever is earlier. The retention money will however be released by the Client on substitution by Bank Guarantee of the same amount valid upto the period as above. Out of this 8%, 3% shall be in the form of Bank Guarantee and 5% shall be the amount retained from Consultancy fee payable to the Consultant.</p>                                  | GCC Clause 7.2: <b>Deleted</b>                                                |                                    |                                                     |  |  |                     |                              |                        |   |                                         |   |   |    |   |                               |   |   |   |   |                         |   |   |   |   |               |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |               |                                                                               |  |  |                           |                                    |                         |   |                                         |     |     |                                                     |   |                               |     |     |   |                         |     |     |
| 26.    | <p>Enclosure-I</p> <p>MANNING SCHEDULE.<br/>Normal Highway Projects</p> <table><tr><th rowspan="2">Sr. No</th><th rowspan="2">Key Personnel</th><th colspan="3">Total Project Assignment <b>365 days</b></th></tr><tr><th>At site (man month)</th><th>At design office (man month)</th><th>Total Time (man month)</th></tr><tr><td>1</td><td>Team Leader Cum Senior Highway Engineer</td><td>6</td><td>6</td><td>12</td></tr><tr><td>2</td><td>Senior Bridge Design Engineer</td><td>2</td><td>3</td><td>5</td></tr><tr><td>3</td><td>Highway Design Engineer</td><td>1</td><td>4</td><td>5</td></tr><tr><td>4</td><td>Material-cum-</td><td>5</td><td>3</td><td>8</td></tr></table> | Sr. No                                                                        | Key Personnel                      | Total Project Assignment <b>365 days</b>            |  |  | At site (man month) | At design office (man month) | Total Time (man month) | 1 | Team Leader Cum Senior Highway Engineer | 6 | 6 | 12 | 2 | Senior Bridge Design Engineer | 2 | 3 | 5 | 3 | Highway Design Engineer | 1 | 4 | 5 | 4 | Material-cum- | 5 | 3 | 8 | <p>Enclosure-I</p> <p>MANNING SCHEDULE.<br/>Normal Highway Projects</p> <table><tr><th rowspan="2">Sr. No</th><th rowspan="2">Key Personnel</th><th colspan="3">Total Project Assignment: <b>&lt;to be kept as per costing guidelines&gt;</b></th></tr><tr><th>At site (% of man month)*</th><th>At design office (% of man month)*</th><th>Total Time (man month)*</th></tr><tr><td>1</td><td>Team Leader Cum Senior Highway Engineer</td><td>50%</td><td>50%</td><td rowspan="3"><b>&lt;to be kept as per costing guidelines&gt;</b></td></tr><tr><td>2</td><td>Senior Bridge Design Engineer</td><td>30%</td><td>70%</td></tr><tr><td>3</td><td>Highway Design Engineer</td><td>40%</td><td>60%</td></tr></table> | Sr. No | Key Personnel | Total Project Assignment: <b>&lt;to be kept as per costing guidelines&gt;</b> |  |  | At site (% of man month)* | At design office (% of man month)* | Total Time (man month)* | 1 | Team Leader Cum Senior Highway Engineer | 50% | 50% | <b>&lt;to be kept as per costing guidelines&gt;</b> | 2 | Senior Bridge Design Engineer | 30% | 70% | 3 | Highway Design Engineer | 40% | 60% |
| Sr. No | Key Personnel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                               |                                    | Total Project Assignment <b>365 days</b>            |  |  |                     |                              |                        |   |                                         |   |   |    |   |                               |   |   |   |   |                         |   |   |   |   |               |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |               |                                                                               |  |  |                           |                                    |                         |   |                                         |     |     |                                                     |   |                               |     |     |   |                         |     |     |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | At site (man month)                                                           | At design office (man month)       | Total Time (man month)                              |  |  |                     |                              |                        |   |                                         |   |   |    |   |                               |   |   |   |   |                         |   |   |   |   |               |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |               |                                                                               |  |  |                           |                                    |                         |   |                                         |     |     |                                                     |   |                               |     |     |   |                         |     |     |
| 1      | Team Leader Cum Senior Highway Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6                                                                             | 6                                  | 12                                                  |  |  |                     |                              |                        |   |                                         |   |   |    |   |                               |   |   |   |   |                         |   |   |   |   |               |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |               |                                                                               |  |  |                           |                                    |                         |   |                                         |     |     |                                                     |   |                               |     |     |   |                         |     |     |
| 2      | Senior Bridge Design Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                                                                             | 3                                  | 5                                                   |  |  |                     |                              |                        |   |                                         |   |   |    |   |                               |   |   |   |   |                         |   |   |   |   |               |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |               |                                                                               |  |  |                           |                                    |                         |   |                                         |     |     |                                                     |   |                               |     |     |   |                         |     |     |
| 3      | Highway Design Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                                                                             | 4                                  | 5                                                   |  |  |                     |                              |                        |   |                                         |   |   |    |   |                               |   |   |   |   |                         |   |   |   |   |               |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |               |                                                                               |  |  |                           |                                    |                         |   |                                         |     |     |                                                     |   |                               |     |     |   |                         |     |     |
| 4      | Material-cum-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                                                                             | 3                                  | 8                                                   |  |  |                     |                              |                        |   |                                         |   |   |    |   |                               |   |   |   |   |                         |   |   |   |   |               |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |               |                                                                               |  |  |                           |                                    |                         |   |                                         |     |     |                                                     |   |                               |     |     |   |                         |     |     |
| Sr. No | Key Personnel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Total Project Assignment: <b>&lt;to be kept as per costing guidelines&gt;</b> |                                    |                                                     |  |  |                     |                              |                        |   |                                         |   |   |    |   |                               |   |   |   |   |                         |   |   |   |   |               |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |               |                                                                               |  |  |                           |                                    |                         |   |                                         |     |     |                                                     |   |                               |     |     |   |                         |     |     |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | At site (% of man month)*                                                     | At design office (% of man month)* | Total Time (man month)*                             |  |  |                     |                              |                        |   |                                         |   |   |    |   |                               |   |   |   |   |                         |   |   |   |   |               |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |               |                                                                               |  |  |                           |                                    |                         |   |                                         |     |     |                                                     |   |                               |     |     |   |                         |     |     |
| 1      | Team Leader Cum Senior Highway Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 50%                                                                           | 50%                                | <b>&lt;to be kept as per costing guidelines&gt;</b> |  |  |                     |                              |                        |   |                                         |   |   |    |   |                               |   |   |   |   |                         |   |   |   |   |               |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |               |                                                                               |  |  |                           |                                    |                         |   |                                         |     |     |                                                     |   |                               |     |     |   |                         |     |     |
| 2      | Senior Bridge Design Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 30%                                                                           | 70%                                |                                                     |  |  |                     |                              |                        |   |                                         |   |   |    |   |                               |   |   |   |   |                         |   |   |   |   |               |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |               |                                                                               |  |  |                           |                                    |                         |   |                                         |     |     |                                                     |   |                               |     |     |   |                         |     |     |
| 3      | Highway Design Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 40%                                                                           | 60%                                |                                                     |  |  |                     |                              |                        |   |                                         |   |   |    |   |                               |   |   |   |   |                         |   |   |   |   |               |   |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |               |                                                                               |  |  |                           |                                    |                         |   |                                         |     |     |                                                     |   |                               |     |     |   |                         |     |     |

| S No. | Existing Clause |                                          |           |           | Modified Clause                                                                                                               |                                               |     |     |
|-------|-----------------|------------------------------------------|-----------|-----------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----|-----|
|       |                 | Geo-technical Engineer-Geologist         |           |           | 4                                                                                                                             | Material-cum-Geo-technical Engineer-Geologist | 70% | 30% |
|       | 5               | Senior Survey Engineer                   | 4         | 3         | 7                                                                                                                             |                                               |     |     |
|       | 6               | Traffic and Road Safety expert           | 2         | 2         |                                                                                                                               |                                               |     |     |
|       | 7               | Environmental Specialist                 | 3         | 2         | 5                                                                                                                             |                                               |     |     |
|       | 8               | Quantity Surveyor / Documentation Expert | 3         | 5         | 8                                                                                                                             |                                               |     |     |
|       | 9               | Land Acquisition Expert                  | 7         | 3         | 10                                                                                                                            |                                               |     |     |
|       | 10              | Utility Expert                           | 3         | 1         |                                                                                                                               |                                               |     |     |
|       |                 | <b>Total</b>                             | <b>37</b> | <b>31</b> | <b>68</b>                                                                                                                     |                                               |     |     |
|       |                 |                                          |           |           | <b>Note: *May be modified by Technical Divisions as per project specific requirement with approval from Member Concerned.</b> |                                               |     |     |

| S No. | Existing Clause                                                  |                  |                                               | Modified Clause                                                  |                        |                                               |          |          |           |
|-------|------------------------------------------------------------------|------------------|-----------------------------------------------|------------------------------------------------------------------|------------------------|-----------------------------------------------|----------|----------|-----------|
| 27.   | Enclosure-III, Schedule for submission of Reports and Documents: |                  |                                               | Enclosure-III, Schedule for submission of Reports and Documents: |                        |                                               |          |          |           |
|       | Stage No.                                                        | Activity         | Time Period in days from date of commencement | Stage No.                                                        | Activity               | Time Period in days from date of commencement |          |          |           |
|       |                                                                  |                  |                                               |                                                                  | Total Project Duration | 5 months                                      | 7 months | 9 months | 12 months |
|       | 1                                                                | Monthly Reports  | By 10th day of every month                    | 1                                                                | Monthly Reports        | By 10th day of every month                    |          |          |           |
|       | 2                                                                | Inception Report |                                               | 2                                                                | Inception Report       |                                               |          |          |           |

| S No. | Existing Clause                                               |                                                                                             | Modified Clause |                                            |                                                                                             |     |     |     |     |
|-------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------|--------------------------------------------|---------------------------------------------------------------------------------------------|-----|-----|-----|-----|
|       |                                                               | (i) Draft Inception Report including QAP document                                           | 21              |                                            | (i) Draft Inception Report including QAP document                                           | 7   | 10  | 15  | 21  |
|       |                                                               | (ii) Inception Report including QAP document                                                | 30              |                                            | (ii) Inception Report including QAP document                                                | 15  | 20  | 25  | 30  |
|       | 3                                                             | F.S. REPORT                                                                                 |                 | 3                                          | F.S. REPORT                                                                                 |     |     |     |     |
|       |                                                               | i) Draft Feasibility Study Report including option study report including draft 3(a) report | 60              |                                            | i) Draft Feasibility Study Report including option study report including draft 3(a) report | 20  | 35  | 45  | 60  |
|       |                                                               | ii) Comments of client                                                                      | 75              |                                            | ii) Comments of client                                                                      | 25  | 40  | 55  | 75  |
|       |                                                               | iii) Final Feasibility Study Report incorporating compliance of comments of Client          | 90              |                                            | iii) Final Feasibility Study Report incorporating compliance of comments of Client          | 32  | 54  | 75  | 90  |
|       | 4                                                             | LA & Clearances I Report                                                                    |                 | 4                                          | LA & Clearances I Report                                                                    |     |     |     |     |
|       |                                                               | i) Draft LA & Clearances I Report including draft 3(A) report                               | 105             |                                            | i) Draft LA & Clearances I Report including draft 3(A) report                               | 40  | 65  | 85  | 105 |
|       |                                                               | ii) Comments of client                                                                      | 120             |                                            | ii) Comments of client                                                                      | 45  | 70  | 95  | 120 |
|       |                                                               | iii) Final LA & Clearances I Report incorporating compliance of comments of Client          | 135             |                                            | iii) Final LA & Clearances I Report incorporating compliance of comments of Client          | 60  | 90  | 110 | 135 |
|       | 5                                                             | Detailed Project Report                                                                     |                 | 5                                          | Detailed Project Report                                                                     |     |     |     |     |
|       |                                                               | i) Draft DPR                                                                                | 180             |                                            | i) Draft DPR                                                                                | 95  | 120 | 135 | 180 |
|       | ii) Comments of client                                        | 210                                                                                         |                 | ii) Comments of client                     | 100                                                                                         | 130 | 145 | 210 |     |
|       | iii) Final DPR incorporating compliance of comments of Client | 240                                                                                         |                 | iii) Final DPR incorporating compliance of | 107                                                                                         | 150 | 160 | 240 |     |
| 6     | Technical Schedules                                           |                                                                                             |                 |                                            |                                                                                             |     |     |     |     |

| S No. | Existing Clause |                                                                                                                                                                                                   |     |  | Modified Clause |                                                                                                                                                                                                   |     |     |     |     |
|-------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|
|       |                 | i) Draft Technical Schedules                                                                                                                                                                      | 180 |  |                 | comments of Client                                                                                                                                                                                |     |     |     |     |
|       |                 | ii) Comments of client                                                                                                                                                                            | 210 |  | 6               | Technical Schedules                                                                                                                                                                               |     |     |     |     |
|       |                 | iii) Final technical schedule                                                                                                                                                                     | 240 |  |                 | i) Draft Technical Schedules                                                                                                                                                                      | 95  | 120 | 135 | 180 |
|       | 7               | Land Acquisition II Submission of draft 3D publication report                                                                                                                                     | 180 |  |                 | ii) Comments of client                                                                                                                                                                            | 100 | 130 | 145 | 210 |
|       | 8               | Land Acquisition III, Award determination (3G)                                                                                                                                                    | 240 |  |                 | iii) Final technical schedule                                                                                                                                                                     | 107 | 150 | 160 | 240 |
|       | 9               | Project Clearances & LA IV Report                                                                                                                                                                 | 365 |  | 7               | Land Acquisition II Submission of draft 3D publication report                                                                                                                                     | 95  | 120 | 135 | 180 |
|       |                 | Approval of Project clearances from Concerned agencies e.g. from MOEF; Rly for approval of GAD and detail engineering drawing of ROB/RUB; Irrigation Dept., Utility Report and Possession of Land |     |  | 8               | Land Acquisition III, Award determination (3G)                                                                                                                                                    | 135 | 180 | 195 | 240 |
|       |                 |                                                                                                                                                                                                   |     |  | 9               | Project Clearances & LA IV Report                                                                                                                                                                 | 150 | 210 | 270 | 365 |
|       |                 |                                                                                                                                                                                                   |     |  |                 | Approval of Project clearances from Concerned agencies e.g. from MOEF; Rly for approval of GAD and detail engineering drawing of ROB/RUB; Irrigation Dept., Utility Report and Possession of Land |     |     |     |     |

| S No. | Existing Clause                        |      |      |          | Modified Clause                        |       |      |      |          |
|-------|----------------------------------------|------|------|----------|----------------------------------------|-------|------|------|----------|
| 28.   | Enclosure-V<br>D. The BOQ are as under |      |      |          | Enclosure-V<br>D. The BOQ are as under |       |      |      |          |
|       | S.No.                                  | Item | Unit | Quantity | Rate                                   | S.No. | Item | Unit | Quantity |

| S No. | Existing Clause |                                                                                                                                                                                                                                                                                                                        |           |                                 | Modified Clause |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                        |                                 |                                 |      |
|-------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------|------|
|       |                 |                                                                                                                                                                                                                                                                                                                        |           | (INR.)                          |                 |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                        |                                 | (INR.)                          |      |
|       | 1               | Sub-Soil Investigation (Boring) in Plain & Rolling Terrain                                                                                                                                                                                                                                                             |           |                                 | 1               | Sub-Soil Investigation (Boring) in Plain & Rolling Terrain                                                                                                                      |                                                                                                                                                                                                                                                                                                                        |                                 |                                 |      |
|       | a.              | Drilling of borehole in all type of soil up to required depth from EGL and conducting Standard Penetration test at 1.50 mtr interval or every change of strata as per IS: 2131-1981 including collection of disturbed / undisturbed soil samples at every 3.0 mtr Intervals and Recording depth of ground water table. | Per Meter | To be decided as per Annexure-A | 1500            | a.                                                                                                                                                                              | Drilling of borehole in all type of soil up to required depth from EGL and conducting Standard Penetration test at 1.50 mtr interval or every change of strata as per IS: 2131-1981 including collection of disturbed / undisturbed soil samples at every 3.0 mtr Intervals and Recording depth of ground water table. | Per Meter                       | To be decided as per Annexure-A | 2000 |
|       | b.              | Drilling of NX size borehole using Double/Triple tube core barrel with diamond core bit in all type of Rock (CR>0%)                                                                                                                                                                                                    | Per Meter | To be decided as per Annexure-A | 3000            | b.                                                                                                                                                                              | Drilling of NX size borehole using Double/Triple tube core barrel with diamond core bit in all type of Rock (CR>0%)                                                                                                                                                                                                    | Per Meter                       | To be decided as per Annexure-A | 4000 |
|       |                 |                                                                                                                                                                                                                                                                                                                        |           |                                 | 2.              | Sub-Soil Investigation (Boring) in Hilly & Mountainous Terrain or Tunnels                                                                                                       |                                                                                                                                                                                                                                                                                                                        |                                 |                                 |      |
|       |                 |                                                                                                                                                                                                                                                                                                                        |           |                                 | a.              | Drilling of borehole in all type of soil up to required depth from EGL and conducting Standard Penetration test at 1.50 mtr interval or every change of strata as per IS: 2131- | Per Meter                                                                                                                                                                                                                                                                                                              | To be decided as per Annexure-A | 3000                            |      |

| S<br>No. | Existing Clause | Modified Clause |                                                                                                                                         |           |                                      |
|----------|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------|
|          |                 |                 | 1981 including collection of disturbed / undisturbed soil samples at every 3.0 mtr Intervals and Recording depth of ground water table. |           |                                      |
|          |                 | b.              | Drilling of NX size borehole using Double/ Triple tube core barrel with diamond core bit in all type of Rock (CR>0%)                    | Per Meter | To be decided as per Annexure-A 6000 |

Annexure-B to Policy Circular



| <b>Guidelines for assessing Cost of DPR Projects</b>         |                                             |                                             |                                             |                                       |                                       |                                                                |
|--------------------------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------|---------------------------------------|----------------------------------------------------------------|
|                                                              | Projects upto 25 km length                  | Projects more than 25 km upto 50 km         | Projects more than 50 km upto 100 km        | Projects more than 100 km upto 200 km | Projects more than 200 km upto 400 km | Projects more than 400 km (additional inputs for every 100 km) |
|                                                              | <b>Man Months</b>                           |                                             |                                             |                                       |                                       |                                                                |
| Total Project Duration                                       | 5<br>(no separate timeline for feasibility) | 7<br>(no separate timeline for feasibility) | 9<br>(no separate timeline for feasibility) | 12                                    | 12                                    | NA                                                             |
| Team Leader Cum Senior Highway Engineer                      | 5                                           | 7                                           | 9                                           | 12                                    | 12                                    | 0                                                              |
| Bridge Design Engineer                                       | 1                                           | 2                                           | 3                                           | 5                                     | 7                                     | 2                                                              |
| Highway Design Engineer                                      | 1.5                                         | 2.5                                         | 4                                           | 6                                     | 8                                     | 2                                                              |
| Traffic and Road Safety expert                               | 0.5                                         | 1                                           | 2                                           | 3                                     | 4                                     | 1                                                              |
| Environmental Specialist                                     | 1                                           | 2                                           | 3                                           | 5                                     | 6                                     | 1                                                              |
| Material-cum-Geo-technical Engineer – Geologist              | 1.5                                         | 3                                           | 5                                           | 6                                     | 8                                     | 2                                                              |
| Senior Survey Engineer                                       | 2.5                                         | 3.5                                         | 5                                           | 7                                     | 9                                     | 2                                                              |
| Quantity Surveyor / Documentation Expert                     | 1                                           | 1                                           | 2                                           | 4                                     | 5                                     | 1                                                              |
| Land Acquisition Expert                                      | 3                                           | 5                                           | 7                                           | 9                                     | 11                                    | 2                                                              |
| Utility Expert                                               | 1                                           | 1                                           | 2                                           | 4                                     | 6                                     | 2                                                              |
| Assistant Highway Engineer (one to be provided every 50 km)  | 5                                           | 7                                           | 18                                          | 24                                    | 48                                    | 5                                                              |
| Assistant Bridge Engineer                                    | 2                                           | 3                                           | 5                                           | 7                                     | 9                                     | 2                                                              |
| Assistant Quantity Surveyor (one to be provided every 50 km) | 2                                           | 3                                           | 5                                           | 7                                     | 9                                     | 2                                                              |
| Assistant Survey Engineer (one to be provided every 50 km)   | 5                                           | 7                                           | 18                                          | 24                                    | 48                                    | 3                                                              |
| LA Team Member (5 Sub KP every 50 km with 5 man months each) | 20*                                         | 25                                          | 50                                          | 100                                   | 150                                   | 50                                                             |
| Assistant Material and Quality Engineer                      | 1.5                                         | 3                                           | 5                                           | 6                                     | 8                                     | 2                                                              |

### Guidelines for assessing Cost of DPR Projects

|                                              | Projects upto<br>25 km length | Projects more<br>than 25 km<br>upto 50 km | Projects more<br>than 50 km upto<br>100 km | Projects more<br>than 100 km<br>upto 200 km | Projects more<br>than 200 km upto<br>400 km | Projects more<br>than 400 km<br>(additional inputs<br>for every 100 km) |
|----------------------------------------------|-------------------------------|-------------------------------------------|--------------------------------------------|---------------------------------------------|---------------------------------------------|-------------------------------------------------------------------------|
| GIS Expert @Rs. 85,000/- per month           | 1                             | 1.5                                       | 3                                          | 5                                           | 7                                           | 2                                                                       |
| CAD Draftsman @Rs. 50,000/- per month        | 3                             | 4.5                                       | 6                                          | 8                                           | 10                                          | 2                                                                       |
| Hydrologist @Rs. 2,00,000/- per month        | 0.40                          | 0.75                                      | 1                                          | 2                                           | 3                                           | 1                                                                       |
| Social Expert @Rs. 1,50,000/- per month      | 0.15                          | 0.25                                      | 0.5                                        | 0.75                                        | 1                                           | 0.25                                                                    |
| ATMS & Toll Expert @Rs. 1,50,000/- per month | 0.10                          | 0.20                                      | 0.25                                       | 0.50                                        | 1                                           | 0.25                                                                    |

| Items                                                                                                      | Description        |                    |                 |                 |                 | Inputs<br>every<br>additional<br>100<br>km |
|------------------------------------------------------------------------------------------------------------|--------------------|--------------------|-----------------|-----------------|-----------------|--------------------------------------------|
| No. of vehicles for use of consultants with months equal to length of project duration                     | 2                  | 2                  | 3               | 4               | 4               | 1                                          |
| Traffic Survey (including all sub-surveys such as axle load Surveys, O&D survey, analysis etc. as per TOR) | Rs.<br>15,00,000/- | Rs.<br>20,00,000/- | Rs. 30,00,000/- | Rs. 40,00,000/- | Rs. 50,00,000/- | Rs. 10,00,000/-                            |
| Socio-economic & Census Survey/Studies                                                                     | Rs. 1,25,000/-     | Rs. 2,50,000/-     | Rs. 5,00,000/-  | Rs. 5,00,000/-  | Rs. 7,50,000/-  | Rs. 1,50,000/-                             |
| Land Acquisition Studies including GIS Mapping                                                             | Rs. 2,50,000/-     | Rs. 5,00,000/-     | Rs. 7,50,000/-  | Rs. 10,00,000/- | Rs. 15,00,000/- | Rs. 2,50,000/-                             |
| Provisional Sum for Geotechnical Investigation                                                             | Rs. 7,50,000/-     | Rs.<br>15,00,000/- | Rs. 25,00,000/- | Rs. 35,00,000/- | Rs. 50,00,000/- | Rs. 10,00,000/-                            |

| Items                                                                       | Description                                                                                                                                                                                                                                                                                                                                                                                     |                |                |                 |                 | Inputs for every additional 100 km |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|-----------------|-----------------|------------------------------------|
|                                                                             | Rs. 2,50,000/-                                                                                                                                                                                                                                                                                                                                                                                  | Rs. 5,00,000/- | Rs. 7,50,000/- | Rs. 10,00,000/- | Rs. 15,00,000/- | Rs. 5,00,000/-                     |
| Provisional Sum for Environment Clearance/ Wildlife Clearance               |                                                                                                                                                                                                                                                                                                                                                                                                 |                |                |                 |                 |                                    |
| Office Rent Fixed Costs                                                     | Duration of BOQ item should not be more than Total Project Duration as per rates given in the RFP                                                                                                                                                                                                                                                                                               |                |                |                 |                 |                                    |
| Man-months of support staff and Office                                      |                                                                                                                                                                                                                                                                                                                                                                                                 |                |                |                 |                 |                                    |
| Office Supplies, Utilities and Communication (Fixed Costs)                  |                                                                                                                                                                                                                                                                                                                                                                                                 |                |                |                 |                 |                                    |
| Detailed topographic surveys using Mobile/Aerial LIDAR or better Technology | scope (in Km) to be kept equal to length of the project @Rs. 20,000/- per km for plain and rolling terrain and @Rs. 30,000/- per km for hilly & mountainous terrain.                                                                                                                                                                                                                            |                |                |                 |                 |                                    |
| Road and bridge Inventory (through NSV and MBIU)                            | scope (in lane Km) to be kept equal to existing length of the brownfield portion of the project                                                                                                                                                                                                                                                                                                 |                |                |                 |                 |                                    |
| FWD Test and Pavement Evaluation                                            |                                                                                                                                                                                                                                                                                                                                                                                                 |                |                |                 |                 |                                    |
| Material Survey and Investigation                                           | For two quarry location per 100 km one test to be done for coarse aggregate and one for fine aggregates as per rates given in the RFP                                                                                                                                                                                                                                                           |                |                |                 |                 |                                    |
| Sub-grade Investigation                                                     | One sample for CBR or K value at every 500 m as per rates given in the RFP                                                                                                                                                                                                                                                                                                                      |                |                |                 |                 |                                    |
| GPR Survey for detection of under ground utilities                          | Scope to be considered as 10% of project length as per lane km rates given in the RFP.                                                                                                                                                                                                                                                                                                          |                |                |                 |                 |                                    |
| Cost of Supply & Fixing Boundary pillars                                    | Assumed that 25% length in urban area, new bypasses and realignment of existing highways with Rs. 2000 per boundary pillar which are to be given @50m on both sides of RoW. On all other locations boundary pillar to be given @200m on both sides of RoW. Any additional requirement beyond that stipulated in the Financial proposal to be paid as per actual no.s of boundary pillars fixed. |                |                |                 |                 |                                    |
| Land acquisition support staff and logistics for land acquisition team      | Cost to be worked out @Rs 2,50,000 per month upto length of project duration but subject to maximum 8 months per CALA support team. One (1) No. of CALA support Teams to be considered for every district in the project reach.                                                                                                                                                                 |                |                |                 |                 |                                    |

|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
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| Notes: | <ol style="list-style-type: none"> <li>1. Technical Division may modify the man-months of Key-Personnel/Sub-Key Personnel as per project specific requirements with the approval of Member concerned.</li> <li>2. Above guidelines only indicate man month. The No. of Key-Personnel/Sub-Key Personnel to be deployed in the given man months may be decided by Technical Division</li> <li>3. All testing/investigations/survey payments shall be made only on completion of the actual testing/investigation</li> <li>4. Rates for items not included in this Chart may be considered the same as given in the RFP issued vide Policy Circular no. 11.57/2024 dated 14.06.2024.</li> <li>5. Amount for Geotechnical Investigation &amp; Testing given in the financial proposal is indicative and final payments are to be done as per details given in Enclosure-V.</li> <li>6. Additional payments for geotechnical investigation beyond the provisioned amount in the financial form or any recovery from the same to be done after appraisal of the project by the PATSC/IAC.</li> <li>7. Technical Divisions should generally avoid inviting DPR for Projects less than 50 Km in length. For smaller projects, divisions are advised to bundle nearby projects for DPR in order to utilise the benefits of economies of scale.</li> </ol> |  |
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