

**DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.  
5th Floor Pragati Maidan Metro Station Building, New Delhi-110001**

**Amendment/Corrigendum No.1 Dated: 02.12.2015**

**Bid Document No: HQ/EN/EC/SEB JN. Works dated 12.10.2015.**

Please refer to the above Invitation for Bid (IFB) uploaded on DFCC website for the work "Design and Construction of Formation in Embankments/Cuttings including blanketing, Viaducts, Rail Flyover, Bridges (Major, Minor & RUBs), Supply and Spreading of Ballast and other related infrastructural works for double track electrified railway line on Design Build Lump Sum Basis from Howrah end approach of DFC Sone bridge to Chirailapathu station of IR towards Howrah & to New Sonnagar station towards Garhwa and at Dehri-on-Sone yard from Km. 3.16 to Km. 5.38 in connection with Eastern Dedicated Freight Corridor in the state of Bihar in India", following Amendment/corrigendum is being issued in the Bid document (Bid Document No.HQ/EN/EC/SEB JN. Works issued on 12.10.2015):

<b>SN</b>	<b>Bid Document Part/Section</b>	<b>Clause No. and page No.</b>	<b>Amendment in the Bid Document</b>
1.	Part-1, Section-I ITB	Para ITB 16.2 (Page 18 of 289)	<b>Delete the contents of para ITB 16.2 and replace with the following :</b>  "The bid security shall be valid for period up to Ninety (90) days beyond the original validity period of the bid, or <b>sixty (60) days</b> beyond any period of extension if requested under ITB 15.2 <b>whichever is later.</b> "
2.	Part-1, Section II BDS	ITB 19.1  (Page 28 of 289)	<b>Delete the contents of para ITB 19.1 and replace with the following :</b>  "Tender Box for submission of Bid shall remain open: From <b>10.00 Hrs to 17:00 Hrs on 28.12.2015 and Upto 15:00 hrs. of 29.12.2015</b> at the address given below: General Manager/CO/ EC Room # 513; 5 <sup>th</sup> Floor Pragati Maidan Metro Station Building Complex, New Delhi - 110001, India Telephone: +91-11- 23454680 Facsimile number: +91-11-23454682"
3.	Part-1, Section II BDS	ITB 21.1  (Page 28 of 289)	<b>Delete the contents of para ITB 21.1 and replace with the following :</b>  "The Technical bid opening shall take place at: Dedicated Freight Corridor Corporation of India Limited, 5 <sup>th</sup> Floor, DFCCIL, Pragati Maidan Metro Station Building Complex, New Delhi - 110001, India <b><u>Technical Bid Opening:</u></b> <b>Date: 29.12.2015</b> <b>Time: 15:30 hrs."</b>
4.	Part-1, Section III	Para 2.2.5 of Annexure-I (Page 34 of 289)	<b>Delete the contents of Paragraph 2.2.5 of Annexure-I and replace with the following :</b>  "The Bidder shall submit details of compliance with the Employers' Requirements as listed in Part 2 of bidding document. This shall be done in a tabular format. Para by Para compliance for the contents of Volume-1, Section-V, Part-2 Employer's Requirement is necessary. For other Volumes and Appendices of Part-2 the bidder may give a Volume wise compliance as a whole."
5.	Part-2, Section- V Volume-1	Para-2.0 (A) (h) (Page No. 60 of 289)	<b>Delete sub-paragraph 2.0 (A) (h).</b>

6.	Part-2, Section- V Volume-1	Para-2.0 (A) (j)  (Page No. 60 of 289)	<p><b>Delete the contents of existing sub-para 2.0 (A) (j) and replace with the following :</b></p> <p>“Station Building at New Sonnagar including <b>proper water supply arrangement, sanitary arrangement, septic tank, sewerage, drainage</b>, internal electrical wiring and related miscellaneous works <b>etc.</b> One borewell with the provision of submersible pump, rising, delivery pipe line connection to tank over building, <b>distribution pipe lines etc.</b> and one borewell equipped with hand pump should be provided to meet water requirements of station staff in all seasons.</p> <p><b>Electrical distribution line between Station Building and Quarters to be laid under the scope of this contract so that electric supply can be provided at single point near Station Building by DFCCIL. Electrical supply from state agencies up to single point near station building is not under the scope of work.</b></p> <p><b>Approach road to Station Building connecting with nearest road (i.e. diversion road as listed in chartered utilities Part-4 ‘Reference Documents’) has to be constructed as per indicative typical cross section of road given in Part-4 ‘Reference Documents’.”</b></p>
7.	Part-2, Section- V Volume-1	Para-2.0 (A) (k)  (Page No. 60 of 289)	<p><b>Delete the contents of existing sub-para 2.0(A) (k) and replace with the following :</b></p> <p>“Construction of quarters 8 units Type-II single storey approx. plinth area 55 Sqm. of each unit. at New Sonnagar including <b>proper water supply arrangement, sanitary arrangement, septic tank, sewerage, drainage</b>, internal electrical wiring and related miscellaneous works <b>etc.</b> For water supply arrangement, water tank of capacity 1000 litre to be provided over each unit should be connected with the submersible pump provided at station building including rising, delivery, <b>distribution pipe lines etc.</b> to meet water requirements of staff in all seasons.</p> <p><b>Electrical distribution line between Station Building and Quarters to be laid under the scope of this contract so that electric supply can be provided at single point near Station Building by DFCCIL. Electrical supply from state agencies up to single point near station building is not under the scope of work.</b></p> <p><b>Approach road to Quarters connecting with Station and nearest road (i.e. diversion road as listed in chartered utilities Part-4 ‘Reference Documents’) has to be constructed as per indicative typical cross section of road given in Part-4 ‘Reference Documents’.”</b></p>
8.	Part-2, Section- V Volume-1	Para-2.0 (A) (m)  (Page No. 61 of 289)	<p><b>Delete the contents of existing sub-para 2.0(A) (m) and replace with the following :</b></p> <p>“Construction of quarters 162 nos. Type-II quarters, Double storey approx. plinth area 55 Sqm of each unit, One 50000 gallon capacity water tank with 15000 GPH tubewell, pump and pump house, rising, delivery, <b>distribution pipe line connection etc.</b> at Sonnagar or any other station approved by the Engineer. Quarters will be</p>

			<p>constructed with complete internal wiring, <b>water supply arrangement</b>, sanitary system, <b>septic tank</b>, <b>sewerage</b>, water pipelines, <b>drainage</b> etc.</p> <p><b>Electrical distribution line within the colony to be laid under the scope of this contract</b> and to be connected with electrical connection point given/shown by employer <b>within 1 Km</b>. Location of quarters will be at Sonnagar or between Mughalsarai-Sonnagar as approved by the Engineer.</p> <p><b>Colony roads and approach road to Quarters shall be constructed as per indicative typical cross section of road given in Part-4 'Reference Documents' and connected with nearest existing road."</b></p>
9.	Part-2, Section- V Volume-4	Para-2.3.2 (2) (Page No. 101 of 289)	<b>In the first paragraph of this sub-para 2.3.2(2), the content "In Paheja Yard Earthwork in formation/cutting loading shall be taken as 25 T Axle load for New IR lines (3 loop lines + 1 future loop)" stands deleted.</b>
10.	Part-2, Section- V Volume-4	Para-3.1(3) (Page No. 106 of 289)	<b>In the sixth line of this sub-paragraph (3), the word 'sate' is replaced with 'Safe'.</b>
11.	Part-2, Section- V Volume-4	Para- 3.1(37) (Page No. 112 of 289)	<b>Add sub-para "(h) Trolley refuges as per provisions of SOD of Eastern DFC" below the sub-para 3.1(37)(g).</b>
12.	Part-2, Section- V Volume-4	Para- 6.1 (3) (Page No. 118 of 289)	<p><b>Delete the contents of existing sub-para (3) and replace with the following :</b></p> <p>"Provision of internal wiring, points &amp; switches shall be made for installation of ceiling fans for air circulation, except where air-conditioning is required which will be indicated by Engineer, however, installation of ceiling fans are not in the scope of this contract."</p>
13.	Part-2, Section- V Volume-4	Para- 6.1 (4) (Page No. 118 of 289)	<p><b>Delete the contents of existing sub-para (4) and replace with the following :</b></p> <p>"Provision of internal wiring, points &amp; switches shall be made for installation of Exhaust fans in toilets and other locations as directed by the Engineer, however, installation of Exhaust fans are not in the scope of this contract."</p>
14.	Part-2, Section- V Volume-4	Para- 6.1 (6) (Page No. 118 of 289)	<p><b>Delete the contents of existing sub-para (6) and replace with the following :</b></p> <p>"Provision of internal wiring, points &amp; switches shall be made for illumination of buildings as approved by the Engineer, however, installation of lights, bulbs etc. are not in the scope of this contract."</p>
15.	Part-2, Section- V Volume-4	Para- 6.1 (7) (Page No. 118 of 289)	<p><b>Delete the contents of existing sub-para (7) and replace with the following :</b></p> <p>"Energy efficient copper wires for internal wiring, points, switches, holders, MCB, main switch boards etc. shall be provided as approved by the Engineer."</p>

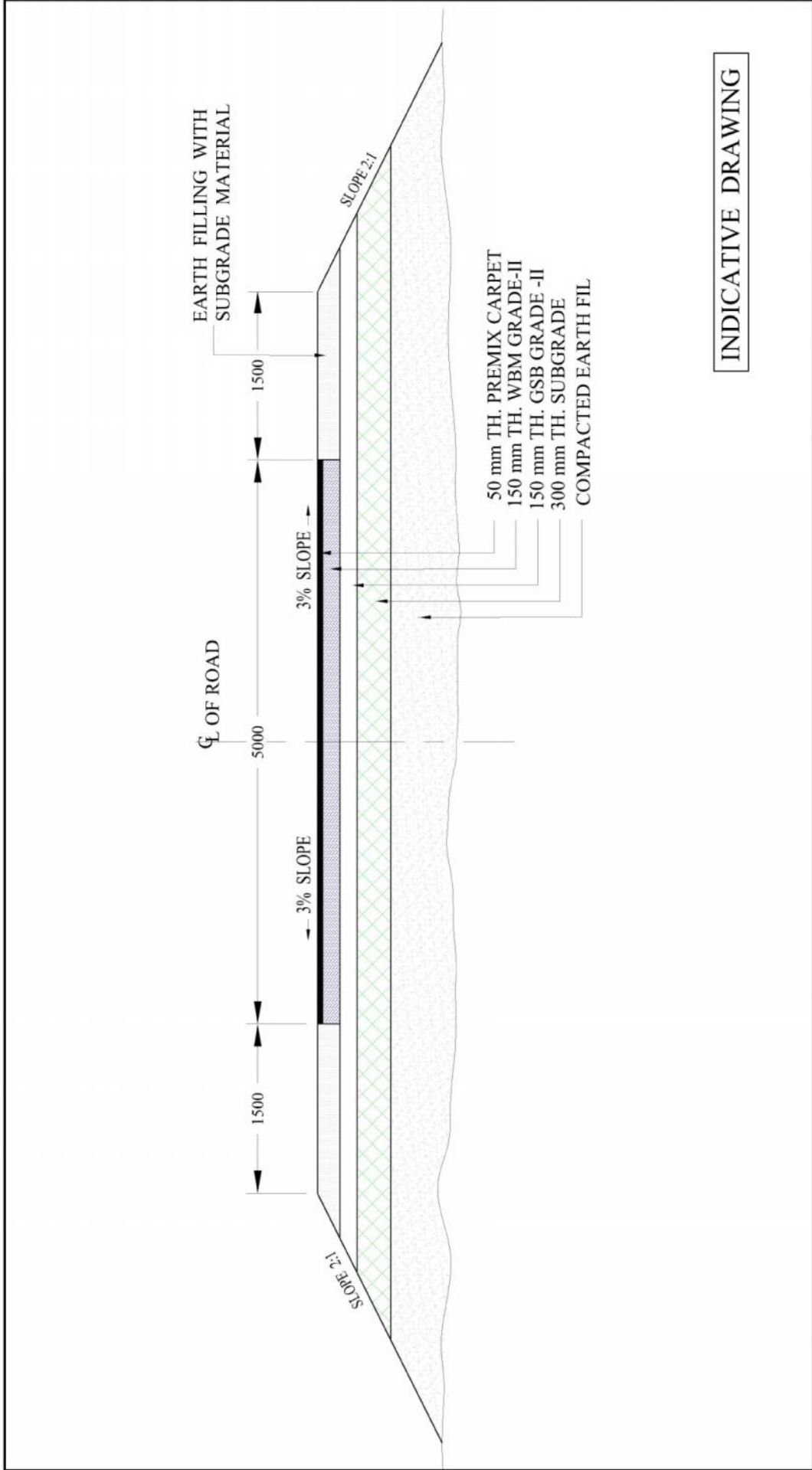
16.	Part-2, Section- V Volume-4	Para- 6.1 (Page No. 118 of 289)	<p><b>Add sub-para “(8), (9), (10), (11), (12), (13), (14), (15) and (16)”</b> below existing sub-para (7) of para 6.1 as under:</p> <p>“(8) The foundations of Station Building shall be designed for at least one storey more than the requirement.</p> <p>(9) The plinth level of Station Building and other structures connected with direct operation of trains shall be minimum 300mm above the Rail Level or 600mm above ground level whichever is higher.</p> <p>(10) The plinth level of residential quarters shall be 900mm above the ground level or 600mm above HFL(High Flood Level) or 300mm above road level whichever is higher.</p> <p>(11) Load due to earth quake (as applicable for the earth quake zone in which the building falls) shall be assessed as per provisions of relevant IS Code with latest amendments/revisions.</p> <p>(12) Load and load combinations shall comply with relevant Indian Standard with latest amendments.</p> <p>(13) All buildings shall be amenable to maintenance with minimum efforts.</p> <p>(14) All buildings shall be provided/with concealed ducts/pipes for wiring of telecom facilities in addition to ducts / pipes for power supply and distribution. These arrangements shall be made in consultation with other contractors and Engineer.</p> <p>(15) Station and other Building signages shall be designed and provided.</p> <p>(16) The ceiling height for residential quarters shall be approximately 3.5m above floor level. All residential buildings can be single/double storeys as per scope mentioned in Vol.1 Section-V ‘Employers Requirements’ and as directed by the Engineer.”</p>
17.	Part-2, Section- V Volume-4	Para- 9.0 (Page No. 119 of 289)	<p><b>Add sub-para “(2)”</b> below existing sub-para (7) of para 6.1 as under:</p> <p>“(2) Road level shall be minimum 900mm above the general ground level or 600mm above HFL(High Flood Level) whichever is higher. This shall be applicable for all roads like diversion road, colony road etc.”</p>
18.	Part-2, Section- V Volume-6	Para-1.2 (1) of Appendix 1: Utilities  (Page No. 161 of 289)	<b>In the second line of this paragraph the word ‘Sate’ is replaced with ‘State’.</b>
19.	Part-2, Section- V Volume-6	Para-1.2 (4) of Appendix 1: Utilities  (Page No. 161 of 289)	<p><b>Delete the contents of existing sub-para 1.2 (4) and replace with the following :</b></p> <p>“The Contractor shall obtain the applicable permits for transportation of such trees from the concerned authorities and the Employer shall assist him in this regard.”</p>
20.	Part-2, Section- V Volume-6	Para - ee) under the heading	<p><b>Delete the contents of existing sub-para ee) and replace with the following :</b></p> <p>“RDSO Guidelines on Seismic Design of Railway Bridges issued</p>

		‘Civil Structures’ of Appendix 14: Design Standards  (Page No. 228 of 289)	by RDSO.”																		
21.	Part-3, Section VII PCC	Sub Clause 14.4  (Page 254 of 289 & 255 of 289)	In the second line of sub paragraph (ii), ‘13’ shall be read as ‘12’. In the fifth line of sub paragraph (iii), ‘(B-1 to B-13)’ shall be read as ‘(B-1 to B-12)’. In the second line of sub paragraph (iv), ‘(B-1 to B-13)’ shall be read as ‘(B-1 to B-12)’.																		
22.	Part-3, Section VII, Appendix to Tender	Sub Clause 2.1  (Page 259 & 260 of 289)	<p><b>Delete the contents of existing sub-clause 2.1 of ‘Appendix to Tender’ and replace with the following :</b></p> <p>“The Employer shall give Right to Access to site to the Contractor as per the following schedule subject to the Contractor providing Performance Security in terms of Sub-Clause 4.2 of General Conditions of Contract.</p> <table border="1"> <thead> <tr> <th>SN</th> <th>Period after Commencement Date in days</th> <th>Site to be handed over for work with respect to total length</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>28</td> <td>(i) Site for construction of quarters, (ii) Site for viaduct, RFO &amp; its approach span near RFO approx. 1 Km stretch, (iii) Site for construction of water tank at DOS.</td> </tr> <tr> <td>2</td> <td>91</td> <td>(i) Site for Major Bridges, (ii) Site for 25% of Minor Bridges and RUBs, (iii) Ch. 225.975 to Ch. 580 of Viaduct.</td> </tr> <tr> <td>3</td> <td>180</td> <td>(i) Site from Sone Bridge up to existing ROB at east end of DOS Yard,</td> </tr> <tr> <td>4</td> <td>240</td> <td>(i) Balance site of Viaduct from Ch. 580 to Ch. 1700 including UP &amp; DN lines to/from CPBH subject to construction of approx.162 units of staff quarters, tank, tubewell etc. in all respect within 180 days of handover of site, (ii) Site for UP &amp; DN lines to / from CPBH/SEB.</td> </tr> <tr> <td>5</td> <td>365</td> <td>(i) Site for SEB – NSEB formation from Ch. 2600 to 8460 (near BCJ), (ii) Site for balance 50% of Minor Bridges and RUBs. (iii) Site for all other works &amp; remaining sites, if any.</td> </tr> </tbody> </table> <p>”</p>	SN	Period after Commencement Date in days	Site to be handed over for work with respect to total length	1	28	(i) Site for construction of quarters, (ii) Site for viaduct, RFO & its approach span near RFO approx. 1 Km stretch, (iii) Site for construction of water tank at DOS.	2	91	(i) Site for Major Bridges, (ii) Site for 25% of Minor Bridges and RUBs, (iii) Ch. 225.975 to Ch. 580 of Viaduct.	3	180	(i) Site from Sone Bridge up to existing ROB at east end of DOS Yard,	4	240	(i) Balance site of Viaduct from Ch. 580 to Ch. 1700 including UP & DN lines to/from CPBH subject to construction of approx.162 units of staff quarters, tank, tubewell etc. in all respect within 180 days of handover of site, (ii) Site for UP & DN lines to / from CPBH/SEB.	5	365	(i) Site for SEB – NSEB formation from Ch. 2600 to 8460 (near BCJ), (ii) Site for balance 50% of Minor Bridges and RUBs. (iii) Site for all other works & remaining sites, if any.
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23.	Part-3, Section VIII Contract Forms	CF-2, Article 2, (Page 266 of 289)	In the seventh line of sub paragraph 2.2, ‘(B-1 to B-13)’ shall be read as ‘(B-1 to B-12)’.																		
24.	Part-4	Para (1) (A)	Delete the Table including contents and replace to read as ‘Nil’.																		

	Reference Documents	(iii) Details of ROB (Page 284 of 289)	
25.	Part-4 Reference Documents	Para (2) (i) Civil Utilities, S.No. 2, (Page 287 of 289)	In the Column 'Name of Structure' at S.No.2 shall be read as under :  "Re-location of existing Road approx. <b>430 metre</b> length as per <b>indicative Typical Cross Section of Road provided in Part-4 'Reference Documents'.</b> "
26.	Part-4 Reference Documents	Para (2) (i) Civil Utilities, (Page 287 of 289)	Add '3' against S.No. in third row.
27.	Part-4 Reference Documents	Para (3) (Page 288 of 289)	Delete the sub-para (3) (vii). Drawing provided against the same stands deleted.  Add new sub-para (xiii) at the end of sub-para(xii) as ' <b>(xiii) Typical Cross Section of Road</b> '. <b>Drawing is attached with the Amendment/Corrigendum No.1.</b>
28	Part-4 Reference Documents	Drawings attached	In some GADs/Drawings word "Drwaing" have been written which shall be read as "Drawing".
29.	Part-5, Price Schedules	CONTENTS (Page 3 of 22)	In the second line at serial no. 4, '(B-1 to B-13)' shall be read as '(B-1 to B-12)'.
30.	Part-5, Price Schedules	PREAMBLE (Page 4 of 22)	In the second line of sub paragraph 3, ' <b>Thirteen (13)</b> ' shall be read as ' <b>Twelve (12)</b> '. In the eighth line of sub paragraph 3, ' <b>Schedule B-1 to B-13</b> ' shall be read as ' <b>Schedule B-1 to B-12</b> '.
31.	Part-5, Price Schedules	Schedule-B ' (Page 8 of 22)	<b>Delete the contents of Schedule-B and replace with the new Schedule-B enclosed as Annexure-II of the Amendment/Corrigendum No.1.</b>
32.	Part-5, Price Schedules	Price Schedule B-2' (Page 10 of 22)	<b>Delete the contents of 'Price Schedule B-2' and replace with the new 'Price Schedule B-2' enclosed as Annexure-III of the Amendment/Corrigendum No.1.</b>
33.	Part-5, Price Schedules	Price Schedule B-5' (Page 13 of 22)	<b>Delete the contents of 'Price Schedule B-5' and replace with the new 'Price Schedule B-5' enclosed as Annexure-IV of the Amendment/Corrigendum No.1.</b>
34.	Part-5, Price Schedules	Price Schedule B-11' (Page 19 & 20 of 22)	<b>Delete the 'Price Schedule B-11'.</b>
35.	Part-5, Price Schedules	Price Schedule B-12'	<b>Renumber the 'Price Schedule B-12' to read as 'Price Schedule B-11'.</b>

		(Page 21 of 22)	
36.	Part-5, Price Schedules	Price Schedule B-13'  (Page 22 of 22)	<b>Renumber the 'Price Schedule B-13' to read as 'Price Schedule B-12'.</b>  <b>Add following in the Note of existing 'Price Schedule B-13' renumbered as 'Price Schedule B-12' at the end of existing note :</b> "Further distribution for stage payment of item 2 above will be decided by Engineer."
37.	Part-5, Price Schedules	Price Schedule B-3'  (Page 11 of 22)	<b>In the sixth column under the heading 'Cost' of Price Schedule B-3, the content '13% of the Contract Price' shall be replaced and read as '14% of the Contract Price'.</b>
38.	Part-5, Price Schedules	Price Schedule B-4'  (Page 12 of 22)	<b>In the sixth column under the heading 'Cost' of Price Schedule B-4, the content '13% of the Contract Price' shall be replaced and read as '15% of the Contract Price'.</b>
39.	Part-5, Price Schedules	Price Schedule B-6'  (Page 14 of 22)	<b>In the sixth column under the heading 'Cost' of Price Schedule B-6, the content '5% of the Contract Price' shall be replaced and read as '6% of the Contract Price'.</b>
40.	Part-5, Price Schedules	Price Schedule B-7'  (Page 15 of 22)	<b>In the sixth column under the heading 'Cost' of Price Schedule B-7, the content '4% of the Contract Price' shall be replaced and read as '5% of the Contract Price'.</b>
41.	Part-5, Price Schedules	Price Schedule B-8'  (Page 16 of 22)	<b>In the sixth column under the heading 'Cost' of Price Schedule B-8, the content '0.7% of the Contract Price' shall be replaced and read as '1% of the Contract Price'.</b>

GM/CO/EC



INDICATIVE DRAWING

	<p>NAME OF WORK:- DESIGN AND CONSTRUCTION OF DFCC WORKS FROM SONNAGAR TO NEWSONNAGAR/BAGAHABISHNUPUR</p>	<p>TYPICAL CROSS SECTION OF ROAD</p>
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**Annexure-II of the Amendment/Corrigendum No.1**

<b>Price Schedule</b>
<b>Schedule - B</b>
<b>Apportionment of Contract Price for Payments According to Cost Centres</b>

(Sub-clause 14.4, GC)

<b>S N</b>	<b>Cost Centre</b>	<b>Percentage of Contract Price</b>
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>
1	Survey, investigation, Design, Setting out and As Built drawings	2.0
2	Construction of Viaduct	<b>35.0</b>
3	Bridge Portion of Rail Fly Over and its approach spans (excluding approach earth work which will be covered in "Earthwork").	<b>14.0</b>
4	Earthwork	<b>15.0</b>
5	Minor Bridges, Road Under Bridges, LHS & RCC Buried Boxes	<b>7.0</b>
6	Major Bridges	<b>6.0</b>
7	Ballast Supply and Spreading	<b>5.0</b>
8	Construction of Station Building at New Sonnagar, Cabin at Chirailapathu and Cabin at Sonnagar.	<b>1.0</b>
9	Construction of quarters (162 units) and construction of one 50,000 gallon capacity RCC water tank with tubewell 15000 GPH capacity & pump at Sonnagar/approved location.	7.0
10	Construction of 100000 gallon capacity RCC tank with tubewell 15000 GPH capacity with pump & pump house, Electrical Sub-station, Electrical office, Carriage & Wagon office ( 317.50Sqm plinth area) at Dehri-on-Sone.	2.0
11	Shifting of Chartered Utilities: Civil & Electrical and dismantling of Water Tank, Boundary Walls, Buildings (sub-station, electrical office, carriage & wagon office, quarters, Temple etc.) falling on DFC alignment.	2.0
12	Miscellaneous works & Final Taking Over	4.0
	<b>Total-</b>	<b>100%</b>

The percentage figures as filled in column 3 by the Employer for the apportionment of the Contract Price for completion of the Works corresponding to the items given above are fixed and payment will be released for different cost centre as per above percentage break-up of contract price. Refer Sub-Clause 14.4 – Particular Conditions of Contract for further details.

**Annexure-III of the Amendment/Corrigendum No.1**

<b>Price Schedule B-2</b>
<b>Contract Price Weightage for Interim Payments</b>
<b>for</b>
<b>Construction of Viaduct</b>

(Sub-clause 14.4 of GC)

Cost Centre	Item of Work	Stage Payment	Stage Payment	Weightage	Cost	Payment Procedure
<b>Construction of Viaduct</b>	Construction of Viaduct.	1	On ground clearance, ground improvement if required to improve the bearing capacity and testing, completion of the foundation works (bottom slab in case of RCC box) etc.	20%	<b>35 % of the Contract Price</b>	Unit of measurement is linear length along alignment. Payment of each stage will be made on prorata completion of linear length as per weightage given in this Schedule.
		2	On completion of RCC Boxes walls up to bottom of top slab haunch (as applicable) / abutment & piers including abutment & pier cap in case of slab/girder.	40%		
		3	On completion of Deck/Top Slab of RCC box including haunch (as applicable), Girders/Beams and Slabs / any other superstructure.	30%		
		4	On completion of balance works as per drawing like –wearing course, walkway/foot path, cable duct, railings, wing walls, return walls, Ballast Retainer, hand railing, trolley refuges, drainage arrangement, earthing arrangement, pedestal for OHE mast, all types of protection works, pitching, back filling at approaches, painting/finishing etc. complete in all respect.	10%		
<b>Total:</b>					<b>100%</b>	

**Note-**

1. Payment will be made on certification of the Engineer for various items.

**Annexure-IV of the Amendment/Corrigendum No.1**

<b>Price Schedule B-5</b>	
<b>Contract Price Weightage for Interim Payments</b>	
<b>for</b>	
<b>Minor Bridges, Road Under Bridges, LHS and RCC Burried Boxes</b>	

(Sub-clause 14.4 of GC)

Cost Centre	Item of Work	Stage Payment		Weightage	Cost	Payment Procedure
<b>Minor Bridges, RUBs, LHS and RCC Buried Boxes.</b>	Construction of Minor Bridges, Road Under Bridge, LHS and RCC Burried Boxes etc.	1	On ground clearance, ground improvement if required to suit design bearing capacity and testing, completion of the foundation works (bottom slab in case of cast-in-situ RCC box) etc.	20%	<b>7 % of the Contract Price</b>	Cost of each minor bridge/RUB/ LHS/Buried Boxes will be determined on the basis of total linear length, along alignment, of the minor bridges/RUB/LHS/Buried Box on pro-rata basis. Payment of each stage for a bridge/RUB will be made on the completion of the relevant stage as per the weightage given in this schedule.
		2*	On completion of RCC Boxes, abutment, piers for slab/girder bridges, deck slab.	57%		
		3	On completion of balance works as per drawing like - walkway, footpath, cable duct, railings, wing walls, return walls, Ballast Retainer, hand railing, all types of protection works, pitching, turfing, back filling and approaches, river training works, if any, etc. complete in all respects.	23%		
<b>Total:</b>				<b>100%</b>		

Note-

1. Payment will be made on certification of the Engineer for various items.
- 2\* If a bridge is constructed using precast elements, then 75 % payment against sub cost centre 2 shall be released upon finishing casting of elements and transporting all such elements to the site of bridge construction. Balance 25% shall be released after completion of stage 2.
3. In case of UP & DN lines to / from Chirailapathu on both sides of viaduct where UP and DN lines are separate, each line will be considered half linear length separately for the purpose of payment.