

**“DESIGN, SUPPLY, CONSTRUCTION, INSTALLATION, TESTING AND COMMISSIONING OF 2X25 KV ELECTRIFICATION, E&M AND ASSOCIATED WORKS OF DOUBLE TRACK RAILWAY LINES ON A DESIGN BUILD LUMP SUM BASIS FOR MUGHALSARAI – NEW BHAUPUR SECTION OF EASTERN DEDICATED FREIGHT CORRIDOR”**

**ELECTRICAL WORKS CONTRACT PACKAGE 204**

**RESPONSES TO PRE-BID QUERIES OF THE BIDDERS**

<b>Sr. No.</b>	<b>Reference to Bidding Document</b>	<b>Clarification Sought by the Bidders</b>	<b>DFCC's Response</b>
<b>(1)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>
1.	Section - II Bid Data Sheet ITB 29.8 --- “The bidders may note that this DFCC project being funded by the World Bank, qualifies for exemption from payment of Customs Duty and Excise Duty on goods supplied / intended to be supplied to the project in terms of Government of India’s Notification no. 84/97 – customs dated 11.11.1997 and Central Excise Notification no. 108/95-C E Dated 28.08.1995 (read with all subsequent amendments including amendment dated 01.03.2008) respectively.	Kindly confirm whether Custom/ Excise exemption is also for the goods supplied by the subcontractor	The provisions in the Bidding Document are self-explanatory and shall prevail.
2.	Part 2, Section VI, Volume 2, Particular Specification Clause 7.1.5 Page 446 of 887 --- The proposal for final designs of General Supply Diagram clearly indicating the type of Post being provided at each of the location, may be made to the Engineer for his approval. As per preliminary designs no standalone auto-transformer posts (ATS) have been envisaged. If however, based on the traction simulation studies undertaken by the contractor, need arises for ATS, same shall be	Kindly confirm that the location to install Auto transformers to be placed is located by DFCC. ROW (if any) will not be in Contractor's scope	The provisions in the Bidding Document are self-explanatory and shall prevail.

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(1)	(3)	(4)	(5)
	proposed and provided by the contractor at his cost. The proposal shall need approval of Engineer. The auto transformer posts, which are stand-alone types, shall be suitably located in the ROW.		
3.	Section III. Evaluation and Qualification Criteria Clause 3.3 Page 50 of 887 --- The designated period for the completion and taking over the entire Works shall be 1000 days (One Thousand Days) from the Commencement Date, as indicated with further details in Para 8.2, Appendix to Tender, Part 3, Section VIII of these Bidding Documents. Bidders shall confirm that their First Stage Technical Proposals and subsequently, their Second Stage Bids are based on this Time Schedule for Completion. No credit of any kind will be given in the evaluation of Technical Proposals and Second Stage Bids to a Proposal and/ or a Bid offering to complete the Works earlier than this designated period. However, Technical Proposals and Second Stage Bids offering to complete the Works later than this designated period shall be rejected by the Employer.	The designated period for the completion and taking over the entire work mentioned is 1000 days. Completing 400 + RKM in 1000 days seems ambitious and difficult and we request you to kindly reconsider the completion period to 1500 days.	<i>The Provisions of the Bidding Document shall prevail.</i>
4.	Section III. Evaluation and Qualification Clause 2.1 Page 53 of 887 Point (m) Manufacturers' Authorisation (FORM-MA, Bidding	As, mentioned in the tender document that the material should be procured from approved vendors as listed in RDSO / CORE. So, instead of Manufacturer's	Provisions of the Bidding Document shall prevail.

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	Forms- Section IV)Manufacturers' Authorisation (FORM-MA, Bidding Forms- Section IV)	Authorization letter allow us to submit an undertaking that the material proposed by bidder will be as per approved vendor list of RDSO/CORE	
5.	Section III. Evaluation and Qualification Clause 2.4 Equipment Page 49 of 887  The Bidder shall also be required to submit a certificate, from the Developer/Vendor of the Software, that the Simulation Software has been validated by comparing its result to actual field measurements on a 2 x 25 kV Traction supply system.	Kindly clarify that the simulation study is required to be also submitted at first or second stage of bidding. However, after award of work bidder will conduct the simulation study and take approval from DFCC.	Bidder shall provide details of the proposed Software for Simulation studies at First Stage along with the required certificate from developer/ vendor as mentioned in the sub-clause 2.4.  The provisions in the Bidding Document are self-explanatory and shall prevail.
6.	---	It is evident that the RFP for Civil works is awarded to Contractor. Kindly, provide the soil investigation report to optimize bids as availability of these details will help us to understand situation better.	The provisions of sub-clause 3.3.1(9)(a) of page 402 of 887 are self-explanatory.  The provisions of the Bidding Document shall prevail.
7.	---	Request you to provide drawings in CAD format	The information is already included in Protected Data Format (PDF) in Part-4 Reference Document.
8.	---	Request you to kindly provide the exact land and location plans of TSS, SP, SSP	Please refer Part-4 of Bidding Document.
9.	Part 2 , Section VI, Volume-2, Particular Specifications Point 4 Page 569 of 887 --- Right of	Kindly provide the access road drawings	Please refer to reply at Sr. No. 8.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	Way (ROW) and Access to site: a) main line, substations, switching stations SSP/SP, b) Junction/crossing stations, yards, temporary sidings and storage space along the route for construction activities.	for all TSS, SP and SSP.	
10	Part 2 , Section VI, Volume-2, Particular Specifications Point 4 Page 569 of 887 --- Right of Way (ROW) and Access to site: a) main line, substations, switching stations SSP/SP, b) Junction/crossing stations, yards, temporary sidings and storage space along the route for construction activities.	Kindly confirm that the access road to TSS, SP and SSP is not in Contractor's scope of work	Please Refer to Addendum No. 04, Sr. No 41.
11	--- Civil Planning	Request to kindly provide the civil schedule and milestone for completion of work as Electrical work is completely dependent on the front availability. Any delay will result into huge losses.	Detailed schedule of construction for Civil Works cannot be given at this stage. The milestones for the CP-201(between Mughalsarai – New Karchana) and CP-202 between (New Karchana– to New Bhaupur) are as under:-  <b>Milestone-1: 400 (Four Hundred) days from the Commencement Date</b>  Prior to the occurrence of Milestone-1, the Contractor shall have commenced the construction of the Permanent Works and shall have completed various construction activities entitling him a total payment of at least 10% of the Accepted Contract Amount.

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(1)	(3)	(4)	(5)
			<p>Note: 10% of the accepted contract amount shall not include advance payment made to the contractor as per Clause 14.2 of GC.</p> <p><b>Milestone-2: 700 (Seven Hundred) days from the Commencement Date</b></p> <p>Prior to the occurrence of Milestone-2, the Contractor shall have achieved the following:</p> <ul style="list-style-type: none"> <li>(i) 50% of the total number of Major Bridges and 60% of the total number of Minor Bridges stated in the Employer's Requirement should have been completed (excluding protection works and road approaches); and</li> <li>(ii) Various construction activities entitling him a total payment of at least 30% of the Accepted Contract Amount should have been completed.</li> </ul> <p>Note: 30% of the accepted contract amount shall not include advance payment made to the contractor as per Clause 14.2 of GC.</p> <p><b>Milestone-3: 1150 (One Thousand One Hundred Fifty) days from the Commencement Date</b></p> <p>Prior to the occurrence of Milestone-3, the Contractor shall have completed the linking of main line track in the 95% length of the Contract and made it fit for the use of the Employer or the Employer's other Contractors for construction and / or for running of material trains, tower wagons, rail cum road vehicle etc. without carrying out the</p>

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(1)	(3)	(4)	(5)
			<p>Tests on Completion pursuant to Clause 9 of General Conditions.</p> <p><b>Milestone-4: 1250 (One Thousand Two Hundred Fifty) days from the Commencement Date</b></p> <p>Prior to the occurrence of Project Milestone-4, the Contractor shall have completed the Tests on Completion pursuant to Clause 9 of the Conditions of Contract including integrated Testing required, complete in all respects as per Employer's Requirement mentioned in the Contract.</p> <p><b>Milestone-5: 1350 (One Thousand Three Hundred Fifty) days from the Commencement Date</b></p> <p>Prior to the occurrence of Project Milestone-5, the Contractor shall have completed all necessary works required as per the Contract to enable certification of track fit for 100 kmph by an authority nominated by the Employer and taking over the Works pursuant to Clause 10 of the Conditions of Contract.</p> <p><b>The two CST Packages (CP-201 &amp; CP-202) for APL-2 extending from Mughalsarai to Bhaupur have been awarded on 31.03.2015.</b></p> <p><b>Commencement Date for this work is 12.05.2015.</b></p>
12	--- Land Acquisition	What is the total length of land <b>already</b>	Project sheets (Alignment plan) showing plan and

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		<b>acquired for :</b> i) Detour Line ii) Parallel to Indian Railways iii) TSS iv) SP and SSP	L-section of the entire project length are part of the Bidding Document. These sheets show the Right Of Way available with the Employer at each location. The bidder may please consult these sheets to get this information. .
13	Part 2 , Section VI, Volume-2, Particular Specifications Point 11 Page 572 of 887 --- List of FOB / ROB's	Kindly provide the list of FOB and ROB to be modified.	CP 201 & CP 202 is a Design-Build Contract for Civil, Track and Structures (CST) works. The CP 204 Contractor will be required to interface with CP 201 & CP 202(CST) Contractor regarding the FOB and ROB Modification work.(The Bidding Document of CP 201 & CP 202 Contractor along with amendments is available on DFCC website ).  Please refer Part-4 reference document also.  The provisions in the Bidding Document are self-explanatory and shall prevail.
14	Section I. Instructions to Bidders Clause 4.1 --- A Bidder may be a private entity or a government-owned entity— subject to ITB 4.5—or any combination of such entities in the form of a joint venture, or association (JVA) under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent	Kindly confirm whether unincorporated JV is allowed.	Yes, unincorporated JV is permitted.

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15	Part 2 , Section VI, Volume-1, Employer's Requirements General Specification Clause 5.2 -- -	Please clarify that in First stage Technical Bid, what all need to be submit in Simulation Study, EMC, RAM.	Please refer to Part 1 Bidding Procedures, Section I, Instruction to Bidders, Clause 11, page 15 of 887.  The provisions of the bid-document are self-explanatory and shall prevail.
16	---	Please confirm that High Sea Sales is applicable during execution	High Sea Sales is not applicable.
17	---	Please confirm that C- Form will be issued by DFCC.	"C"-Form shall not be issued.
18	Part-1 Section I. Instructions to Bidders Clause 32.8 Page 27 of 887 --- The Bid Security or the Bid Securing Declaration of a JVA shall be in the name of the JVA that submits the bid. If the JVA has not been constituted into a legally enforceable JVA at the time of bidding, the Bid Security shall be in the names of all future partners as named in the letter of intent referred to in ITB 4.1	Kindly allow us to submit splitted Bank Guarantees from each JV member separately in the ratio of share of JV. Also, confirm that the splitted Bid Security is allowed to submit from JV.	In case of a sole Bidder, the Bidding security shall be only one and shall be in the name of the Bidder.  In case of Joint venture or association (JVA), multiple Bidding Securities (maximum equal to the number of JVA members) can be submitted by the Bidder. However these shall be in the name of the Joint Venture or association (JVA).



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(1)	(3)	(4)	(5)
19	Section II Bid Data Sheet Clause ITB 19.1 Page 41 of 887 --- The deadline for submission of First Stage Technical Proposals is: Date: 05.06.2015 Time: 15:00 Hrs	Request to kindly extend the first stage Submission date by 90 days due to voluminous work.	Please Refer to Addendum No. 03.
20	General  Bank Guarantees to be provided by JV as Bid Security and Performance Security	We understand that Bank Guarantees are to be provided by different JV members towards Bid Security and Performance Security. Sum of these guarantees would be equal to the sum of the required bank guarantee. JVA members are allowed to submit split bank guarantees in proportion to their respective work share (total sum of these guarantees being equal to the sum of the required bank guarantees).  Please confirm if our understanding is correct.	In case of a sole Bidder the Bidding security shall be only one and shall be in the name of the Bidder.  In case of Joint venture or association (JVA), multiple Bidding Securities (maximum equal to the number of JVA members) can be submitted by the Bidder, however these shall be in the name the Joint Venture or association (JVA).  The Performance Security shall be only one and shall be in the name of the Bidder and in case, of a Joint Venture or association (JVA) the Performance Security shall be in the name of the Joint Venture or association (JVA).
21	General  Approach road drawings for TSS, SP and SSP Locations	We request DFCCIL to furnish the approach road drawings for the TSS, SP and SSP locations detailing connectivity with nearest National / State Highway and DFCC service road for the bidder to understand the accessibility to these	Refer the above response to query at Sr. No.10.

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		<p>locations. Also, please confirm whether there is any possibility of diverting the approach road behind the TSS, SP and SSP locations.</p> <p>Kindly confirm that the scope of access road shall not be under the scope of CP 204 contractor.</p>	
22	<p>General</p> <p>Referring to PQ results, we have proposed two vendors as specialized subcontractors for SCADA system. However only one has been indicated in the result.</p>	<p>We have proposed specialized subcontractors:</p> <p>However in the qualifying letter only one of the above have been selected by DFCC.</p> <p>To the best of our knowledge all the specialized subcontractors meet the concerned PQ requirement. This can also be seen from the result of prequalified sub-contractors for the other bidders.</p> <p>1. Kindly confirm if the bidder is allowed to use any of the proposed sub-contractors in our bid.</p> <p>2. Please also confirm other subcontractor mentioned in our PQ is</p>	<p>DFCCIL has pre-qualified only one specialized sub-contractor for each activity. The Bidder is allowed to use only the particular specialized sub-contractor who has been prequalified for the Bidder for the particular activity.</p> <p>The other specialized sub-contractor(s) proposed by the Bidder in its PQ Application is not allowed to participate in its bidding.</p> <p>However, a Bidder can propose for the change of a pre-qualified specialized sub-contractor at subsequent stage(s) in accordance with the provisions of the Bidding document.</p>

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(1)	(3)	(4)	(5)
		also pre-qualified.	
23	General  High Sea Sales applicability	Kindly confirm the applicability of "High sea sales" in this project.	Please refer to response to query at Sr. No. 16.
24	Section VI / Clause 18.4.4 / Page 582 of 887 Interface with Indian Railways  IR shall approve the OHE layout for connecting Chord at junction stations. IR shall allow access and grant power block to the contractor (CP-204) at the time of execution, testing and commissioning. The cost of power block, if any, shall be borne by DFCCIL.	The interface works with IR at Junction Stations will require <b>Traffic blocks</b> as well in addition to Power Blocks. We understand that the permission for traffic blocks from IR shall be obtained by DFCCIL similar to Power blocks and any cost towards the same shall be borne by DFCCIL.  Please confirm.	Permissions and approvals shall be obtained by the Contractor in terms of sub-clause 1.5.9 Page 144 of 887,.  Please refer Addendum No.04, Sr. No.35.
25	Part 4 - Reference Documents, 'Alignment Plans, Yard Plans and Building Plans'  CPM/DFC/ALD/(W)(2011/5) CPM/DFC/ALD/(E)(2013/1) CPM/DFC/ALD/(W)(2011/15) CPM/DFC/ALD/(EN)(YD.JN/NEW KCN/2) DFC/ALD/(2013/JN/1) DFC/ALD/(2013/JN SHEET-1)	In Existing IR station, Proposed DFCC to IR linking line required source of existing supply station working rule diagram for Existing Junction as per yard plan . May please provide the scope split of work between the IR & DFCC	Please refer table no18.4.4 of page 583 of 887.  Provisions in the Bidding Document are self-explanatory and shall prevail.
26	Section VIII / PC - Appendix to tender / GC Sub-	From the referred clause, we understand	Exact dates on which such access will be available

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	<p>Clause 2.1 / Right of Access to site</p> <p>Possession of Site will be handed-over to the Contractor as per the approved Work Plan taking into consideration the progress of the Civil Works Contract Packages (CP 201 &amp; 202) and S&amp;T Work Contract Package (CP 203) already under execution at the Site of Work.</p>	<p>that the section shall be available to CP - 204 contractor only in portions based on the completion status of the other package contractors.</p> <p>We request DFCCIL to <b>provide the section wise Key access dates</b> showing interface with other package contractors in order to suitably plan the activities by the contractor.</p>	<p>cannot be spelled out at this stage. It will be decided after formulation of a detailed work plan by the Civil contractor. Access dates for each section is an interface requirement to be carried out by the Contractor through co-ordination with the contractors of CP-201, CP-202 and CP 203. In this regard, the Bidder is requested to refer to sub-clause 10.1 and its sub Paras at Page 258 of 887 of the Bidder Document.</p>																																	
27	Section VIII / Clause 17.3 / Page 22 GCC / G.C.C. - FIDIC Yellow Book 1999 Sub-paragraph (h) - Delete	The deleted sub-clause, "any operation of the forces of nature which is Unforeseeable or against which an experienced contractor could not reasonably have been expected to have taken adequate preventative precautions" shall be retained.	Request not accepted. Provisions of the Bidding Document shall prevail.																																	
28	<p>Section IV / Price Schedule 2.0 / Page 109 of 887</p> <table border="1" data-bbox="421 979 846 1468"> <thead> <tr> <th>Price Schedule No.</th> <th>Cost Centre</th> <th>Weightage (%)</th> </tr> </thead> <tbody> <tr> <td>2.1</td> <td>Surveys, Investigations, Management Plans, Studies, Design &amp; Documents, O &amp; M Manuals and As Built Drawings, Training of Staff</td> <td>5.0%</td> </tr> <tr> <td>2.2</td> <td>OHE Works</td> <td>35.5%</td> </tr> <tr> <td>2.3</td> <td>Traction Sub Station (TSS) Works</td> <td>29.5%</td> </tr> <tr> <td>2.4</td> <td>Sectioning Post (SP) Works</td> <td>8.0%</td> </tr> <tr> <td>2.5</td> <td>Sub-Sectioning Post (SSP) Works</td> <td>9.5%</td> </tr> <tr> <td>2.6</td> <td>SCADA Works</td> <td>1.5%</td> </tr> <tr> <td>2.7</td> <td>E&amp;M Works</td> <td>2.0%</td> </tr> <tr> <td>2.8</td> <td>Supply of Contract Spares and Special Tools &amp; Instruments</td> <td>5.0%</td> </tr> <tr> <td>2.9</td> <td>Integrated Testing, Commissioning and Final</td> <td>4.0%</td> </tr> <tr> <td colspan="2"><b>TOTAL</b></td> <td><b>100.0%</b></td> </tr> </tbody> </table>	Price Schedule No.	Cost Centre	Weightage (%)	2.1	Surveys, Investigations, Management Plans, Studies, Design & Documents, O & M Manuals and As Built Drawings, Training of Staff	5.0%	2.2	OHE Works	35.5%	2.3	Traction Sub Station (TSS) Works	29.5%	2.4	Sectioning Post (SP) Works	8.0%	2.5	Sub-Sectioning Post (SSP) Works	9.5%	2.6	SCADA Works	1.5%	2.7	E&M Works	2.0%	2.8	Supply of Contract Spares and Special Tools & Instruments	5.0%	2.9	Integrated Testing, Commissioning and Final	4.0%	<b>TOTAL</b>		<b>100.0%</b>	Based on our experience in similar Design & Build projects, we would like to bring to your notice that weightages assigned for <b>2.8 Supply of Contract spares and Special tools &amp; Instruments and 2.9 Integrated Testing</b> , Commissioning and Final Taking over appears to be very high as against the standard weightages given in other similar projects of approximately 1.5% for these two items. This might	Please Refer to Addendum No.04, Sr.No.7.
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2.1	Surveys, Investigations, Management Plans, Studies, Design & Documents, O & M Manuals and As Built Drawings, Training of Staff	5.0%																																		
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		<p>affect Contractor's cash flow adversely, as the price against these two items will be paid to the contractor only during final milestones.</p> <p>In view of this, we suggest to revise the schedule as shown below:            2.8 Supply of Contract spares and Special tools &amp; Instruments - 2%            2.9 Integrated Testing, Commissioning and Final Taking over - 1%. The remaining weightage shall be distributed proportionally among schedules 2.2 to 2.5.</p>	
29	<p>Part-2, Section- VI, Vol. 3, Page No. 701 of 887, Clause: 3.2.1 - 1(b)</p> <p>Double Circuit HT power supply arrangement with HT Switchgears Panels and metering arrangement but with Single Circuit HT Incomer cabling</p>	<p>The 11kV HT cable from Distribution substation of SEB till the boundary of DFCC substations is under the scope of DFCCIL. This is in line with other similar DFCC tenders. Kindly confirm. If the same is in the scope of the contractor, may please provide the Location and distance of the feeding substation from DFCC Sub-station.</p>	<p>Please refer sub-clause 3.2.5 of page 704 of 887.</p> <p>Please also refer Addendum No.04, Sr. No.36.</p>
30	<p>Part 2, Section VI, Vol. 3, Page No. 704 of 887, Clause: 3.3.1</p>	<p>We understand that, CP-204 contractor will be responsible for E&amp;M installation work at all these buildings, while concealed conduits will be provided by</p>	<p>The Content as mentioned by the bidder under "Reference to Bidding Document" are not matching with the Bidding Document.</p> <p>"The Contractor shall undertake the scope of</p>

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	All Service Building & Residential quarters are to be constructed by designated contractor CST(CP-201 & CP- 202) with provision of concealed conduit for building electrification.	CP-201 and CP-202 contractors. Please arrange to provide the layout plans depicting the conduit pathways in various buildings for our better understanding and estimation purpose.	work and interface / coordinate with other designated contractor(s) including the information exchange" as specified in 3.3.1 Please refer sub-clause 3.2.2 at page 703 of 887 and sub clause 4.6.1page 718 of 887. The provisions of the bidding document are self-explanatory and shall prevail.
31	Part 2, Section VI, Vol. 3, Page No. 708 of 887, Clause: 4.1.4 - 1  The proposed System / Equipment to be used should be of proven performance of similar type, design and Capacity and should have been satisfactorily in use in adequate numbers/volumes (at least 70% of the estimated quantities) in Metros/ Railways/ Airports during last 3 years. The Contractor shall submit necessary proof in this regard.	Please clarify in detail regarding the submission of proof. Kindly confirm, whether it is required to provide manufacturer's credential or any previous project reference by CP-204 contractor.  Please provide approved make list for electrical equipment like MCBs, MCCBs, ACBs (if any).	Please refer sub clause 4.4 (25) at page 716 of 887.  <i>The Provisions of the Bidding Document are self-explanatory and shall prevail.</i>
32	Part 2, Section VI, Vol. 3, Page No. 710 of 887, Clause: 4.2.2 - C  The electric substations shall be designed to feed the E&M power requirement of Stations, Depots, Staff Quarters, and associated buildings falling within proximity of 2.0km as the case may be. The contractor shall assess the power load	Please clarify, if External area lighting is to be fed <b>from the same sub-station source or any additional external source</b> is required to be provided by the contractor.	Please refer sub-clause 3.2.1(1) (f) of Page 702 of 887.  The Auxiliary substation requirement is covered in sub-clause 4.2.2(1) limiting the Supply feeder supply voltage drop to 3%.  Please Refer Addendum No. 04 Sr. No.37 also.

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	requirement, Application Duty requirements keeping in view all electrical load of services envisaged at each location including future requirements if any(stations, Depot etc.).		
33	<p>Part 2, Section VI, Vol. 3, Page No. 710 of 887, Clause: 4.2.2 - e</p> <p>Each Auxiliary Sub-station shall have 2 step down transformers of adequate capacity. The Contractor shall consider the Capacity of the 11kV/0.43300kV Transformers and other power equipment suitable to meet the power requirement with minimum 20% future load requirement. One of the two transformers shall act as a standby and also be able to work in parallel, if required. The transformers at all stations shall have same rating.</p>	<p>Please provide Transformer loading details for auxiliary transformer including 20% for future loading. Also provide permissible transformer losses.</p>	<p>Being a design &amp; build contract General/Functional/ Performance requirements have been specified. The detailed design is in the scope of the contractor.</p> <p>The Provisions of the Bidding Document shall prevail.</p> <p>Please refer the Addendum No.04, Sr. No.38.</p>
34	<p>Part 2, Section VI, Vol. 3, Page No. 718 of 887, Clause: 4.6.1</p> <p>The Contractor (CP-204) shall develop detailed design and drawings for E&amp;M and associated works including those for combined services.</p>	<p>Please clarify the format to be followed for combined services drawing i.e., 2D or 3D.</p>	<p>Please refer Appendix-2, clause 16, which identifies the use of 3D CAD files. The contractor shall provide as required.</p> <p>The referred sub-clause is self-explanatory and shall prevail.</p>
35	<p>Part 2, Section VI, Vol. 3, Page No. 737 of 887, Clause: 6.2.15 - 2 (b)</p> <p>The distribution boards shall serve the distribution</p>	<p>The No. of points to be considered per circuit is not mentioned.</p> <p>Please provide the required information.</p>	<p><i>Being a design &amp; build contract General / Functional / Performance requirements have been specified. The detailed design is in the scope of the contractor.</i></p> <p><i>The number of points per circuit shall be as per</i></p>

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(1)	(3)	(4)	(5)
	of electrical power to lighting system, socket outlets, Machinery/ motors, etc. The loads shall be connected either directly to these boards or via sub-distribution boards.		<p><i>Sub Clause 9.6(5) at page 755 of 887.</i></p> <p><i>The Provisions of the Bidding Document shall prevail.</i></p>
36	<p>Part 2, Section VI, Vol. 3, Page No. 777 of 887, Clause:15.1 - 3</p> <p>In addition to the above, 10 Nos. of Air conditioners of 1.5 T capacity shall be provided at IMD's at location to be decided by the Engineer.</p>	<p>The air conditioners to be provided shall be of Split type or VRV type. Please clarify.</p>	<p><i>Being a design &amp; build contract General / Functional / Performance requirements have been specified. The detailed design is in the scope of the contractor.</i></p> <p><i>The Provisions of the Bidding Document shall prevail.</i></p>
37	<p>Part 2, Section VI, Vol. 3, Page No. 777 of 887, Clause:15.1 - 4</p> <p>Mechanical ventilation shall be provided for the stair, toilets, equipment rooms, power supply room (ASS), additional DG room at Stations, Depots, Control room building(TSS/SP/SSP)and at specific location of staff quarter, Guest house/ Club / Institute etc as required.</p>	<p>In case of Mechanical ventilation, kindly confirm if the open able window or louvers in staircase or toilets shall be provided by Civil package contractors.</p>	<p><i>Being a design &amp; build contract General / Functional / Performance requirements have been specified. The detailed design is in the scope of the contractor.</i></p> <p><i>The Provisions of the Bidding Document shall prevail.</i></p>
38	<p>Part 2, Section VI, Vol. 3, Page No. 778 of 887, Clause:15.3.2</p> <p>The contractor shall provide the requisite capacity air-conditioning system to achieve the Room</p>	<p>As per ASHRAE 62.1 normal room temp. considered 24 degree C (+/- 1). Please clarify</p>	<p>The provisions of the Bidding Document are self-explanatory and shall prevail.</p>



Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	temperature of 21 +/- 2 Degree Celsius at highest climatic/ ambient conditions.		
39	<p>Part 2, Section VI, Vol I, Clause 3.7.2, Page No. 169 of 887</p> <p>The simulation study may involve a number of iterations to optimize the Solution.</p>	<p>Since the Simulation Study is a time bound process and done by some international expert, number of iteration in the Study will lead to the delay in design. So, it has been suggested that the Simulation Scenario, boundary conditions and the output format will get approved from the Engineer before conducting study. May please clarify.</p>	<p>Being a Design - Build contract, General/ functional/performance requirements have been specified. The responsibility of detailed design rests in the scope of the contractor.</p> <p>Please refer sub-clause 6.12.1 (h) on page 214 of 887, sub-clause 3.2 of page 398 of 887 and sub-clause 4.6.1 of page 415 of 887.</p> <p>The provisions of the Bidding Document are self-explanatory and shall prevail.</p>
40	<p>Part 2, Section VI, Vol 2, Table 13.2.1, Page No. 535 of 887, 'Contract Spare'</p> <p>All types of structures including portal parts</p>	<p>Please clarify whether the supply will be limited only to the structures proposed specifically for the project.</p>	<p>Please Refer Addendum No.04, Sr. No.33.</p>
41	<p>Part 2, Section VI, Vol 2, Table 13.2.1, Page No. 535 of 887, 'Contract Spare'</p> <p>Aerial Earth Wire and BEC as required</p>	<p>Since installation of BEC will be the outcome of Simulation Study, may please clarify if the study eliminates BEC, then also is it required to be provided.</p>	<p><i>Being a design &amp; build contract General / Functional / Performance requirements have been specified. The detailed design is in the scope of the contractor.</i></p> <p><i>The Design shall conform to the results of simulation.</i></p> <p><i>The Provisions of the Bidding Document shall prevail.</i></p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
42	<p>Part 2, Section VI, Vol 2, Table 13.2.1, Page No. 536 of 887, 'Contract Spare'</p> <p>54/60 kV Circuit Breakers, CTs, PTs and other accessories as installed</p>	<p>CBs, CT's &amp; PTs are of 25 KV only with Highest System Voltage of 52 KV. May please clarify.</p>	<p>Please Refer Addendum No. 04, Sr. No.34.</p>
43	<p>Part 2, Section VI, Vol 2, Table 18.4.2, Page No. 576 of 887, 'Interfacing Requirement with Signaling &amp; Telecom Contractor (S&amp;T)'</p> <p>Shall provide Layout Plans of OHE in coordination with signalling plan showing mast locations, wire staggers etc., to S&amp;T contractor including extra mast implantation needed if any for signal.</p>	<p>Please provide the SIP of the section since the OHE design and assessment for the bidding purpose will require the plan.</p>	<p><i>The Contractor CP 204, will be required to interface with CP 203 Contractor for SIP of the section.</i></p> <p><i>The Provisions of the Bidding Document sub clause 10.1 at Page 258 of 887 and Sub Clause 18.4.2(2) at page 575 of 887 shall prevail.</i></p>
44	<p>Part 2, Section VI, Vol 2, Clause No. 4.4.2, Page No. 412 of 887, 'Proven Design and Cross acceptance criteria'</p> <p>The System, including all Sub-systems and Equipment shall generally be of approved RDSO/CORE design/specifications, wherever applicable.</p>	<p>May also allow for the procurement of materials from PGCIL/SEB approved vendor when the material is not covered by RDSO/CORE.</p>	<p>The provisions of the Bidding Document are self-explanatory and shall prevail.</p>
45	<p>Part 2, Section VI, Vol 2, Table No. 7.1.3, Page No. 446 of 887, 'List of Proposed Sub Sectioning and paralleling Posts (SSP) (Mid-Section)'</p> <p>Available Plot Size for Chheoki SSP is given as 25mX30m</p>	<p>Available area is not suitable for the construction of SSP. Please clarify whether the additional land requirement will be provided by DFCC at a later stage.</p>	<p>The area available for Chheoki will be 55m x 25m (as for other SSPs).</p> <p>Please Refer Addendum No. 04, Sr. No.42.</p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
46	Part 4 - Reference Documents, 'Alignment Plans, Yard Plans and Building Plans'	Required soft copy of CAD drawing of alignment and sectioning diagram.	Please refer to reply at Sr. No. 7.
47	<p>Part 2, Section VI, Vol 2, Clause No. 8.4</p> <p>The contact wire shall be continuous, i.e. splicing or jointing of the conductors is not permitted between terminations or between cut-in insulators. Splices are primarily used during maintenance and shall not be used in the contact wire and /or catenary wire by way of installation or repair unless approved by the Engineer.</p>	<p>Thefts are common in lengthy section. Restrictions on "Splice not acceptable in new installation" should be relaxed.</p>	<p>The provisions of the Bidding Document are self-explanatory and shall prevail.</p>
48	<p>Part 2, Section VI, Vol 2,Page No. 459 of 887, Clause: 8.2.1</p> <p>The Contractor shall design the OHE &amp; Traction Return Supply system considering the Track formation Data. Track Formation shall be constructed by CST contractor. The soil properties mentioned by CST contractor shall be considered by the contractor (CP-204) for design including the improvement in Soil conductivity needed.</p>	<p>Confirm the soil to be used for embankment and their Soil bearing capacity.</p>	<p>Please refer to Sr.no 7 sub-clause 1.3.3 at page 140 of 887.</p> <p>The provisions of the Bidding Document are self-explanatory and shall prevail.</p>
49	Part 2, Section VI, Vol 2,Page No. 447 of 887,	Please clarify the role of Transmission	This is a design & Build contract. The Contractor

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	<p>Clause: 7.2.2</p> <p>The Point of Interface between the Utility/ DISCOM authority and the Contractor will be the Incomer Gantry provided In TSS. The Gantry will be provided by the Contractor as per the requirement of Utility/DISCOM as well as the TSS and the State Power Utility/ DISCOM will terminate the transmission line at the gantry.</p>	<p>line works upto TSS gantry. It is understood that TL contractor will terminate the line into the TSS gantry.</p> <p>Please clarify the incoming supply direction of the Transmission line to the TSS location</p>	<p>shall coordinate with the interface parties at execution stage and interface.</p> <p>Also, Please refer Table 18.4.5 of page 585-586 of 887.</p> <p>The Provisions of the Bidding Document shall prevail.</p>
50	<p>Part 2, Section VI, Vol 2, age No. 455 of 887, Clause: 7.8.8</p> <p>Drainage in the substation and switching posts shall be provided as per the best engineering practices, so as to prevent surface flooding and pooling of water.</p>	<p>Kindly share the Data for High flood level at TSS; SSP; SP and Parallel alignment &amp; Detour alignment area with respect to Existing ground level.</p>	<p>Please refer sub-clause 17.4.1 of page 791 of 887.</p> <p>The provisions of the Bidding Document are self-explanatory and shall prevail.</p>
51	<p>CPM/DFC/ALD/(E)(2013/1)</p> <p>Junction arrangement at Jeonathpur Yard (IR)</p>	<p>Please provide the Jeonathpur Jn proposed Rail to rail flyover detailed Civil drawing required for the Preparation or fixing of elevated OHE Mast location on the flyover.</p>	<p>Please refer Table 18.4.1 for relevant interface requirement.</p> <p>The provisions of the Bidding Document are self-explanatory and shall prevail.</p>
52	<p>Part 2 / Section VI / Clause 1.3.1 &amp; 1.3.2</p>	<p>The chainage details given in clauses</p>	<p>The chainage in Clause 1.3.1 is one end of the</p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	<p>Page 139 of 887</p> <p>Project Information for EDFC Phase - 2</p>	<p>1.3.1 and 1.3.2 are found to be in contradiction.</p> <p>For eg: As per clause 1.3.1 Chainage of Mughalsarai is 119.550 but as per 1.3.2 it is 124.626.</p> <p>Kindly clarify.</p>	<p>section while the chainage in Clause 1.3.2 is approx centre point of Mughalsarai station.</p> <p>The provisions of the Bidding Document are self-explanatory and shall prevail.</p>
53	<p>Invitation for Bid (IFB) dated 08.04.2015 and Tender Document, Volume – 1, Section II – Bid Data Sheet – ITB 1.1, Page 34 of 124</p> <p>The IFB issued on 08.04.2015, states the name of work as: "Design, Supply, Construction, Installation, Testing and Commissioning of 2x25 KV, 50 Hz, AC Traction Electrification and Associated Works of Railways Lines on a Design Build Lump Sum Basis for Mughal Sarai – New Bhaupur (Excl.) Section of Eastern Dedicated Freight Corridor".</p> <p>However, the Tender Document, Volume – 1, Section II – Bid Data Sheet – ITB 1.1 and Tender Forms states the name of work as "Design, Construction, Supply, Installation, Testing and Commissioning of 2x25kV Electrification, and Associated Works of Double Track Railway Lines Under Construction, an a Design Build Lump Sum</p>	<p>Kindly clarify the name of the work whether the one given in IFB OR the one given in Tender Document, to be used in each Tender Forms, POA's, MOU and other documents to enable us to prepare the Technical Proposal.</p>	<p>Please Refer to Addendum No.04, Sr.No.2.</p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	Basis for Mughalsarai - New Bhaupur Section of Eastern Dedicated Freight Corridor".		
54	<p>Volume – 1, Page 68 of 124, Form LOP: Proforma Letter of Participation from Each Member of Joint Venture</p> <p>Tender Form LOP states that: "For Bidders in India to be executed on non-judicial Stamp paper of appropriate value." The Form LOP also mentions that it should be "On each Firm's Letter Head".</p>	Kindly clarify whether to prepare the form on Letter Head or Non-judicial Stamp paper.	Please Refer to Addendum No.04, Sr. No.4.
55	<p>Volume – 1, Page 68 of 124, Form LOP: Proforma Letter of Participation from Each Member of Joint Venture Page 37 of 124: ITB 19.1</p> <p>The Form LOP is addressed to: The Managing Director 5th Floor, Pragati Maidan Metro Station Building, New Delhi – 110 001</p> <p>However, as per ITB 19.1, the For First Stage Technical Proposal, for submission purposes only, the Employer's address is:</p>	Kindly clarify, whether the Form LOP has to be addressed to The Managing Director OR to GGM/Elect-1/EC.	Form LOP shall be addressed to the Managing Director as stated on the Form LOP.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	<p>Dedicated Freight Corridor Corporation of India Limited, Metro Station Building Complex, Pragati Maidan 4th Floor, Room No. 432, New Delhi, 110001, India Attention: Mr. V.P. Singh, Group General Manager /Elect-1/EC Telephone: +91-11-2345 4840 Facsimile number: + 91-11-2345 4842 Electronic mail address: vpsingh@dfcc.co.in</p>		
56	<p>Volume – 1, Page 76-77 of 124, Form CCC: Current Contract Commitments / Works in Progress</p> <p>The Form CCC, Column No. (8) and (10) states that: (a) Current Value of outstanding work (US\$ equivalent) as on 28 days before last date of submission of bids, and (b) Average monthly invoicing over last six months (US\$ / month).</p> <p>However, the foot note (i) of the Form CCC states that: For the purpose of conversion of foreign currency into Indian Rupees (INR), Bidders shall use the Foreign Currency Reference Rates published by</p>	<p>Kindly clarify, whether in Column No. (8) and (10) of Form CCC, we need to provide the values as US\$ equivalent values OR INR equivalent values.</p>	<p>Figures in Column 8 &amp; 10 shall be in US\$ equivalent. Please Refer to Addendum No. 04, Sr. No.5.</p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	Reserve Bank of India on 28 days prior to last date of bid submission.		
57	<p>Volume – 1, Page 80 of 124, Form CU: Copyright Undertaking</p> <p>The Form CU is addressed to: The Managing Director Dedicated Freight Corridor Corporation of India Limited, Pragati Maidan Metro Station Building New Delhi – 110 001</p> <p>However, as per ITB 19.1, the For First Stage Technical Proposal, for submission purposes only, the Employer's address is: Dedicated Freight Corridor Corporation of India Limited, Metro Station Building Complex, Pragati Maidan 4th Floor, Room No. 432, New Delhi, 110001 India Attention: Mr. V.P. Singh, Group General Manager /Elect-1/EC Telephone: +91-11-2345 4840 Facsimile number: + 91-11-2345 4842 Electronic mail address: vpsingh@dfcc.co.in</p>	Kindly clarify, whether the Form CU has to be addressed to The Managing Director OR to GGM/Elect-1/EC.	Form CU shall be addressed to the Managing Director as stated on the Form CU.
58	Volume – 1, Section – II: BDS, ITB 30.1 (b), Page	For the purpose of conversion of foreign	Request not accepted.



Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	<p>39 of 124</p> <p>For the purpose of conversion of foreign currency in to local currency i.e. Indian Rupees (INR) or vice versa, Bidders shall use the Reference Rates of Foreign Currency published by Reserve Bank of India (www.rbi.org.in), on the Base Date (28 days prior to the last date of second stage bid submission)</p>	<p>currency in to local currency i.e. Indian Rupees (INR) or vice versa, we would request DFCCIL to provide a specific date of conversion. This would help us to avoid re-working and preparation of CA Certificates for some of the Tender Forms (such as Form CCC, Form Fin-3.3 - Financial Resources, etc.) in case of any extension of bid submission date.</p>	<p>Provisions of Bidding Document shall prevail.</p>
59	<p>Part I / Section IV / Bidding Forms / Page 83 of 887</p> <p>Form SUP - Proposed Subcontractors and Suppliers for Major Items of Works</p>	<p>The Bidder is being asked to furnish the "Approximate Value of proposed Subcontracting Items (in percentage of the approximate total value of the Contract)".</p> <p>Since the first stage of Bidding is a Technical submission stage, this data may not be required to be furnished as the same can be calculated only at the time of Stage II: Financial bid submission.</p> <p>Hence, we request DFCCIL to remove this requirement and modify the Form suitably.</p>	<p>Provisions of the Bidding Document shall prevail.</p>
60	<p>Part 2, Section VI, Vol 2, Clause No. 9.3.2</p> <p>For S&amp;T installations along the route, supply from</p>	<p>Please provide the total Nos. of AT to be installed since S&amp;T is under the scope of</p>	<p><i>Being a design &amp; build contract General / Functional / Performance requirements have been specified. The detailed design is in the scope of the contractor.</i></p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	25kV/240 V, Single phase(10 kVA minimum) Auxiliary Transformers, each on UP and DN tracks	different contract.	<p><i>It is the responsibility of the Contractor to interface with CP 203 Contractor as per sub-clause 10.1 and its sub paras at page 258 of 887 and provide AT supply as per Table 18.4.2 item 7&amp; 8 at page 577 and attachment 21.3 at page 829 of the Bidding Document.</i></p> <p><i>The Provisions of the Bidding Document shall prevail.</i></p>
61	<p>Part 2, Section VI, Vol 2, Clause No. 9.3.1</p> <p>The emergency power shall be made available for essential loads by the contractor (CP-204) by installing 25kV/240V, Single Phase, 25kVA(minimum) step down transformers connected to up and down lines.</p>	<p>If the capacity of AT has been increased due to the increase in load of the S&amp;T contractor, will it be treated as a variation. Please clarify.</p>	<p><i>Being a design &amp; build contract General / Functional / Performance requirements have been specified. The detailed design is in the scope of the contractor.</i></p> <p><i>It is the responsibility of the Contractor to interface with CP 203 Contractor as per sub-clause 10.1 and its sub paras at page 258 of 887 and provide AT supply as per Table 18.4.2 item 7&amp; 8 at page 577 and attachment 21.3 at page 829 of the Bidding Document.</i></p> <p><i>The Provisions of the Bidding Document shall prevail.</i></p>
62	<p>Section I / Clause 45 / Page 34 of 887 / Conversion to Single Currency</p> <p>For evaluation and comparison purposes, the currency (ies) of the bid shall be converted into a single currency as specified in the BDS.</p>	<p>As mentioned, in the referred clause there is no information available on the conversion to single currency for bid evaluation purpose.</p> <p>Please provide the same.</p>	<p>Pursuant to ITB 30.1 of Bidding Data Sheet the Prices shall be quoted by the Bidder entirely in Indian Rupees hence, ITB 45.1 of Section-1 of Bidding Document is not applicable.</p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
63	<p>General</p> <p>Land acquisition status</p>	<p>Please confirm the Land acquiring status for the following in terms of Percentage.</p> <ol style="list-style-type: none"> <li>1. Parallel area</li> <li>2. Detour area</li> <li>3 TSS location (7)</li> <li>4. SSP location (12)</li> <li>5. SP Location (6)</li> <li>6. Junction and crossing station (12) yards</li> <li>7. Other buildings area. (263 quarters; OCC, 3 IMD, 5 IMSD)</li> </ol> <p>We also request DFCCIL to provide the land plans of TSS, SP and SSP location.</p>	<p>Please refer to reply at Sr. No. 12.</p>
64	<p>General</p> <p>Details and Drawings of FOB, RUB, ROB, major and minor bridges.</p>	<p>Please provide us the details of FOB, RUB, ROB and major and minor bridges details for effective design review.</p>	<p>CP 201 &amp; CP 202 is a Design-Build Contract for Civil, Track and Structures (CST) works. The CP 204 Contractor will be required to interface with CP 201 &amp; CP 202(CST) Contractor regarding the FOB ,RUB, ROB , major and minor bridges .(The Bidding Document of CP 201 &amp; CP 202 Contractor along with amendments is available on DFCC website ).</p>
65	<p>Form FIN 3.3, Section IV, Bidding Forms ---Table for Financial Resources</p>	<p>We understand that we have to indicate the details of proposed sources of financing by way of Solvency Certificate. Kindly confirm our understanding.</p>	<p>Solvency certificate from the bank is not at all a source of finance. The proposed sources of finance are (i) Working capital available as per latest audited Financial Statement (Balance Sheet) submitted along with the Bidding and (ii) Project</p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
			Specific Line of Credit for the subject contract.
66	Form CCC, Section IV, Bidding Forms ---Form CCC	We request you to retain the format provided during Pre-qualification stage for form CCC. The format is attached herewith.	Request not accepted. Provisions of the Bidding Document shall prevail.
67	<p>ITB 29.8 of Bid Data Sheet and Sub-Clause 4.11 of Particular Conditions ---The bidders may note that this DFCC project being funded by the World Bank, qualifies for exemption from payment of Customs Duty and Excise Duty on goods supplied / intended to be supplied to the project in terms of Government of India's Notification no. 84/97 – customs dated 11.11.1997 and Central Excise Notification no.108/95-C E Dated 28.08.1995 (read with all subsequent amendments including amendment dated 01.03.2008) respectively.</p> <p>Service Tax department vide their Notification No. 25/2012-Service Tax dated 20.06.2012, has exempted the services by way of construction, erection, commissioning, or installation of original works pertaining to railways. The Bidder shall examine to make his own assessment in regard to service tax liability in the Contract. No separate Service Tax reimbursement will be made by the</p>	<p>Our understanding is that</p> <p>a) DFCC will provide 'C' Form for the inter- state sale transactions.</p> <p>b) Road Permits / Way Bills will be issued by DFCC as applicable under the U.P. VAT laws.</p> <p>Kindly confirm our understanding. Kindly confirm the applicability of following Taxes:</p> <ul style="list-style-type: none"> <li>· Withholding Tax on Off shore payment</li> <li>· Works Contract Tax</li> <li>· Building and other construction works.</li> <li>· Sales Tax / VAT</li> </ul>	<p>a) 'C' Form will not be provided by DFCC.</p> <p>b) No</p> <p>Taxes shall be applicable as per applicable Law.</p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	Employer.		
68	ITB 29.8 of Bid Data Sheet and Sub-Clause 4.11 of Particular Conditions ---Same as 2. above	<p>We have the experience of executing Turnkey Design and build lump sum contracts funded by World Bank / JICA / Other Multilateral funding agencies wherein High Sea Sales are permitted and payments are made through LC. This is a standard industry practice in line with the sale in the course of import transactions. The mode of this transaction shall be as follows:</p> <ul style="list-style-type: none"> <li>· The bill of lading will be endorsed in the name of DFCC and ownership is transferred on high seas</li> <li>· Upon the issue of Bill of lading the contractor is eligible for payments associated with the imported supply.</li> <li>· The material is issued by DFCC to the contractor for the purpose of installation.</li> <li>· The responsibility towards custody of such materials lies with contractor till the Taking over Certificate is issued by the Employer.</li> </ul> <p>The above high sea sale transaction shall enable the contractor to avail Custom Duty exemptions. Kindly confirm.</p>	Please refer to response to query at Sr. No. 16.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
69	<p>Sub-Clause 14.7 of Particular Conditions ---Payment of the amount due in each currency shall be made in to the bank account of the Contractor (Sole/JV/JVA) or its individually authorised member(s), nominated by the Contractor in the payment country (for this currency) specified in the Contract. However, in respect of foreign currency payments, copies of supporting documents evidencing the import of goods /services shall be submitted by the Contractor.</p>	<p>Please confirm that the payment of the amount shall be made in proportion of the respective currencies in the respective Bank Accounts of the members of the Consortium specified in the Contract.</p>	<p>The provisions of the Bidding Document are self-explanatory and shall prevail.</p>
70	<p>4.4.2 (a), Part 2 section VI, volume 2 ---If Procured locally, shall be procured from RDSO/CORE approved regular sources only. If there is no regular source then the material can be sourced from a developmental source. List of sources are available at RDSO / CORE websites. These items shall be subjected to prototype testing as per relevant Specifications. Prototype test shall be exempted if the test was carried out in last three (3) years from One month prior to date of Second stage of Bid Opening or later and report of the same is submitted otherwise fresh prototype test shall be carried out and certificate/report submitted.</p>	<p>We request you to permit local procurement of non RDSO/Core approved regular sources also.</p>	<p>The Provisions of the Bidding Document shall prevail.</p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
71	<p>ITB 30.1 of Bid Data Sheet ---The currency(ies) of the bid and the payment currency (ies) shall be as described below:</p> <p>a) The prices shall be quoted by the Bidder entirely in Indian Rupees (the name of the currency of Employer's country) and further referred to as "the local currency". A Bidder expecting to incur expenditures in other currencies for inputs to the Works supplied from outside the Employer's country (referred to as "the foreign currency requirements") shall indicate the percentage (s) of the Bid Price in the Appendix to Bid, Section IV, Bidding Forms, Part 1 of Bidding Documents, needed by him for the payment of such foreign currency requirements, limited to no more than three foreign currencies.</p> <p>b) For the purpose of conversion of foreign currency in to local currency i.e. Indian Rupees (INR) or vice versa, Bidders shall use the Reference Rates of Foreign Currency published by Reserve Bank of India (www.rbi.org.in), on the Base Date (28 days prior to the last date of second stage bid submission)</p> <p>In case a particular currency rate is not published by Reserve Bank of India, then the selling rate of such currency shall be taken from the following internet web site on the Base Date:</p>	<p>In line with the practices followed in many Design and Build Turnkey projects funded by World Bank/ JICA / Other Multilateral funding agencies, we request to permit as follows:</p> <p>a) Each member of the un-incorporated JV will invoice for their respective portions in the quoted currencies under the covering letter of lead member of un –incorporated JV enclosing the invoices mentioning therein respective account nos.</p> <p>b) It is requested to disburse payments directly to each member of the un –incorporated JV for their respective scope as per the designated accounts.</p> <p>c) A clear billing breakup identifying the details of currency wise split up among the various members of by the un – incorporated JV shall be submitted along with second stage financial submission.</p> <p>d) Issuance of TDS certificate in favour</p>	<p>a) Please refer to response to query at Sr. No. 69.</p> <p>b) Please refer to response to query at Sr. No. 69.</p> <p>c) Please refer to response to query at Sr. No. 69.</p> <p>d) TDS certificate shall be issued to individual un-incorporated JV members.</p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	<p>http://www.oanda.com</p> <p>In case the exchange rates are not available on the above website also, then mid-market rate of such currency shall be taken from the alternate web site http://www.xe.com for the same date.</p> <p>c) In respect of procurement of goods and services from off shore sources Indian cost indices shall not apply but wholesale cost index for the relevant input of the respective country shall apply. In case a published index for such goods or services is not available, the wholesale prices index of relevant category of the respective country shall be used.</p> <p>The rates of exchange as mentioned above shall apply for all payments under the Contract so that no exchange risk will be borne by the successful bidder.</p>	<p>of the individual un – incorporated JV Members.</p> <p>Kindly confirm as these are standard practices in Design &amp; Build and Multilateral funded projects and moreover they are in line with RBI, FEMA, FERA and other financial regulations.</p>	
72	<p>Sec IV Bidding Forms Price Schedule 2.2 ---Note 2:  “Payment will be made on Pro-rata completion of Track Km Length (TKM) as per weightage given in this Schedule.”</p>	<p>We understand that the Pro-rata completion referred is for the completion of supply / installation against the respective cost centre and its weightage. Payment on pro-rata completion of track km length for Supply cost centers shall be against supply of materials under Cost centers (2.2.1 to 2.2.10) and against installation shall be Installation /</p>	<p>Please Refer to Addendum No. 04, Sr. No.8.</p>



Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
		Errection Cost centers:2.2.11 to 2.2.17  Kindly confirm our understanding.	
73	Sec IV Bidding Forms Price Schedule 2.0 ---	Please confirm that weightage shown is reference value for each cost center. Bidder shall adapt distribution according to actual cost allocations derived. However, weightage of individual cost centers established by bidder shall not deviate from reference value shown by more than 20% of contract value.	The provisions of the Bidding Document are self-explanatory and shall prevail.
74	Sec IV Bidding Forms ---Price Schedule 2.1 to 2.7 ( sub-cost centre)	Please confirm that weight age shown is reference value for each sub-cost center. Bidder shall adapt distribution according to actual cost allocations derived	The provisions of the Bidding Document are self-explanatory and shall prevail.
75	Volume1 page 14/257 Clause 1.5.7 ---Proof Checking & Design Validation through an Independent agency	Please <b>provide list of preferred agencies</b>  Please define the design documents to be verified	The Provisions of sub-clause 1.5.7 on 144 page of 887 of the Bidding Document are self-explanatory and shall prevail.  Please Refer Addendum No. 04 Sr. No.10 also.
76	Volume1 page 15/257 Clause 1.5.9 --- permission for Works with or without traffic block from the concerned Railway Authority/ interfacing agencies, wherever applicable	Please name expected points of conflict and amount of fees /duties / compensation for disturbed or delayed IR traffic.	Please refer to reply at Sr. No. 24.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
77	Volume1 page 18/257 Clause 2.1 ---(21) "Factory Acceptance Tests" all Type/Routine/ acceptance/special Tests as specified in relevant standards & specifications as needed before dispatch of material and conducted at the premises of Original Equipment Manufacturer.	Please confirm understanding "specified in relevant standards & specifications" shall read as defined in General requirements for tests as per the applicable standard" Please confirm understanding Tests shall be made by the manufacturer or at an approved laboratory	<i>Please refer sub-clause 3.17 on page 175 of 887 regarding FAT at OEM. The Provisions of the Bidding Document shall prevail.</i>  <i>Please Refer Addendum No. 04, Sr. No.11 also.</i>
78	Volume1 page 39/257 Clause 3.7.1 ---(3) Approval of the Engineer / Employer's Personnel and engagement thereof of the Simulating Agency;	Please confirm that Approval of the Engineer is not required in case the "Simulating Agency" is a department of a Contractor	Please refer Table of sub-clause 2.4 page 49 of 887, sub-clause 3.7.1(2) & (3) of page 168 of 887, sub-clause 3.2 of Vol. 2 page 398 of 887.  The provisions of the Bidding Document are self-explanatory and shall prevail.
79	Volume1 page 40/257 Clause 3.7.1 ---(11) The results should not vary beyond +-5% from the actual field data. If Varied, Corrective iteration may be required.	Please explain, "actual field data" will be taken during trial run or revenue operation and will require a dedicated simulation study to prove accuracy of first simulation study results?	Please Refer Addendum No. 04, Sr. No.12.
80	Volume1 page 40/257 Clause 3.7.2 ---The simulation study may involve a number of iterations to optimize the Solution.	Please explain what parameters shall be optimized?	<i>Being a design &amp; build contract General / Functional / Performance requirements have been specified. The detailed design is in the scope of the contractor.</i>  <i>In terms of Sub clause 6.2 at page 431 of 887, The Contractor shall carry out various simulation runs to be undertaken to confirm system</i>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
			<p><i>performance parameters and the equipment sizing, for Engineer's approval.</i></p> <p><i>The provisions of the Bidding Document are self-explanatory and shall prevail.</i></p>
81	Volume1 page 40/257 Clause 3.7.3 ---Simulation study shall suggest a value added optimized solution with reasoning.	Please explain what parameters shall be optimized? Position of TSS SP SSP?	<p><i>Being a design &amp; build contract General / Functional / Performance requirements have been specified. The detailed design is in the scope of the contractor.</i></p> <p><i>In terms of Sub clause <b>6.2 at page 431</b> of 887, The Contractor shall carry out various simulation runs to be undertaken to confirm system performance parameters and the equipment sizing, for Engineer's approval.</i></p> <p><i>The provisions of the Bidding Document are self-explanatory and shall prevail.</i></p>
82	Volume1 page 47/257 Clause 3.17.4 ---Factory Acceptance Tests shall include routine tests and type tests at Original Equipment Manufacturer (OEM) factory.	Type tests as required by international standards shall be carried out at Original Equipment Manufacturer (OEM) factory or certified laboratories	Please refer to reply at Sr. No. 77
83	Volume1 page 95/257 Clause 6.21.5 ---The Engineer shall require the Contractor to submit and install one copy of all the applicable software as used by the Contractor for the Design excluding the train and traction Power Simulation	Please confirm, the "the train and traction Power Simulation Computer Program" is not part of this requirement.	The provisions of the Bidding Document are self-explanatory and shall prevail.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	Computer Program, duly licensed in the name of Employer and the Engineer and in accordance with Employer's Requirements of this specification including in-house software program / worksheets developed by the Contractor, computer input and program logic prior to the acceptance of any computer output. The Contractor shall submit the same to the Engineer without any additional cost.		
84	Volume1 page 101/257 Clause 8.1.4 ---Type Test shall be performed by the Contractor and shall be witnessed by Employer and Employer's Personnel / Engineer.	Please confirm that type test for equipment with comparable rating e.g. circuit breaker or current transformer or auxiliary transformer as required by international standard does not need to be repeated for DFCC project	<i>Please refer sub-clause 4.4.2(7) at page no 414 of 887. The provisions of the Bidding Document are self-explanatory and shall prevail.</i>
85	Volume1 page 101/257 Clause 8.19 ---8.19.1, 8.19.2 , 8.19.3	Please confirm that type tests for equipment with comparable rating e.g. circuit breaker or current transformer or auxiliary transformer as required by international standard does not need to be repeated for DFCC project and content of test shall be in accordance to the relevant standard.	Please refer to reply at Sr. No. 84.
86	Volume 2 page 10/302 Clause 3.1.2 ---The scope shall include provision of any/ all necessary /additional equipment, equipment of higher	Please define quantity of "additional equipment" / or define in % of required equipment	Being a design & build contract General/Functional/ Performance requirement has been specified. The detailed design is in the scope

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	capacities and higher ratings for the systems and sub-systems necessary for the complete, safe, reliable, operable and maintainable Electric traction power supply system including OHE and SCADA for the Mughal Sarai – New Bhaupur Section of EDFC.	Please explain and quantify requirement for “equipment of higher capacities and higher ratings” in comparison to technically required capacities and ratings.	of the contractor. The Provisions of the Bidding Document shall prevail.
87	Volume 2 page 11/302 Clause 3.1.3 ---The scope of work shall include any other associated Works related to satisfactory completion of the Work as defined above and under this specification.	Please explain “other associated Works” Please provide examples.	Being a design & build contract General/Functional/ Performance requirement has been specified. The detailed design is in the scope of the contractor.  The Provisions of the Bidding Document shall prevail,
88	Volume 2 page 12/302 Clause 3.2.4 ---The simulation study shall include as below but not limited to (9) Rail accessible & Touch Potential within safe limits under Normal & Fault Conditions including configuring earthing and bonding for the entire system (including those on adjacent structure and IR lines running parallel to DFC alignment); determination of sizes / Intervals of interconnection between AEW and BEC as required and their connection to mast/earth-station and rail without any compromise in safety of public/ Railway maintenance personnel even in case of OHE Short Circuit Fault while ongoing discontinuity in rail track system due to hair	Please confirm that fault conditions are not to be considered in adjacent structures and IR lines. Please confirm that fault conditions as mentioned “discontinuity in AEW” OR “discontinuity in rail track system” are to be considered as single faults (n-1) on a healthy system. In case multiple faults are to be considered, please define in detail.  Please define “discontinuity in rail track system”; how many discontinuities are there in one section (from TSS to SP)	Please refer sub-clause 8.20.1 & 8.20.3 of page 474 of 887  The Provisions of the Bidding Document are self-explanatory and shall prevail.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	crack(s) as well as discontinuity in AEW;	with two tracks / 4 running rails.	
89	<p>Volume 2 page 13/302 Clause 3.3.1 (3) ---240V, single phase, A.C. Auxiliary power Supply.</p> <p>i. However, TSS shall be provided with additional 100 kVA Auxiliary Transformers including all terminations and cabling.</p>	<p>Please check if the 100 kVA is "additional". How many Auxiliary Transformers will be in TSS, 2 x 100 kVA + 1 x 10kVA ??</p>	<p><i>Please refer addendum No.04, Sr. No. 24 also.</i></p>
90	<p>Volume 2 page 14/302 Clause 3.3.1 ---(4) Execution of Cables, Cable containment system and feeder network.</p> <p>a. 25 kV AC cable/ overhead connections from TSSs/ SPs/ SSPs as required to OHE. All connections to across the track OHE from TSS/SSP/SP / shall be through Cables laid under the track (duly protected ) <b>obviating the need of the running of Overhead Cross feeders across the tracks and any need of both lines' power block for maintenance.</b></p>	<p>Please confirm all connections from TSS/SSP/SP to running rails or OHE are to be realized by power cables.</p> <p>Please confirm Overhead Cross feeders across the tracks are not to be considered at all.</p> <p>Please confirm that maintenance requirements are not subject to this chapter or confirm that "any needs" shall be read "needs in conjunction with power cables".</p>	<p>The Provisions of the Bidding Document are self-explanatory and shall prevail.</p> <p>Please Refer Addendum No. 04, Sr. No.13.</p>
91	<p>Volume 2 page 14/302 Clause 3.3.1 ---e. All connections for traction Rail bonding;</p>	<p>Please confirm, "traction Rail bonding" or "track bonds between running rails" shall be carried out by power cables</p>	<p>Please refer sub-clause 8.21.3 page no: 475 of 887,</p> <p>The Provisions of the Bidding Document are self-explanatory and shall prevail.</p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
92	Volume 2 page 15/302 Clause 3.3.1 (7) ---The BEC as required shall be capable to handle the Return current as may be witnessed during the broken rail or Rail Maintenance without raising the touch potential and compromise the safety of General public or Rail personnel in proximity/ touch.	Please confirm “during the broken rail or Rail Maintenance” still one out of two running rails of one track is healthy to carry return current. Or in case both rails of one track are affected, the second track with two rails is healthy. Please confirm understanding “without raising the touch potential” shall read “without raising the touch potential above limit as defined in relevant standard”	Please refer Addendum No.04, Sr. No.14.
93	Volume 2 page 15/302 Clause 3.3.1 (7) ---while on going discontinuity in Rails unnoticed like hair cracks etc. and discontinuity of AEW due to failure/theft if any in two independent systems	Please explain details, discontinuity in one or two rails of one or two tracks. Please define AEW fault scenario in detail. Two independent systems is related to two sections or the two tracks.	Please refer sub-clause 8.20.1. The Provisions of the Bidding Document are self-explanatory and shall prevail.
94	3.3.1(9 F) Part-2, Section-VI, Volume-2 ---Construction of road(s) and pavements within power supply installations suitable for movement of heavy equipment	We understand that Construction of road(s) and pavements within power supply installations suitable for movement of heavy equipment are within the boundary of TSS(s), SP(s) and SSP(s) only. Kindly confirm our understanding.	Please refer to reply at Sr. No. 10
95	Volume 2 page 16/302 Clause 3.3.1 (10) ---The	Please explain, how to handle use of the	The Provisions of the Bidding Document are self-

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	spares consumed/ utilised by the Contractor during the Defect Notification Period shall be made good by the contractor.	mentioned equipment „Spares’, special tools, testing and diagnostic equipment and measuring instruments” during the Defect Notification Period by the Contractor.	explanatory and shall prevail.
96	Volume 2 page 17/302 clause 3.3.3 Documentation (1) ---(j) Test Plans and reports. The Test Plans should include but not limited to: (i) Test to be performed furnishing a list of the tests identified in the relevant Standards and Technical Specifications and Tests Proposed to be carried out and witnessed with break up in to FAT, Site tests and Acceptance Tests,	Please confirm understanding of „tests identified in the relevant Standards” means tests as required in relevant standard.	The Provisions of the Bidding Document are self-explanatory and shall prevail.
97	Volume 2 page 18/302 Clause 3.3.3 (1) ---(k) Power Quality Study Report including the possible power correction methods with harmonic suppression.	Please confirm understanding, the Power Quality Study shall provide sufficient evidence to prove that the selected technical solution is suitable to achieve required power quality.	The Provisions of the Bidding Document are self-explanatory and shall prevail.
98	Volume 2 page 18/302 Clause 3.3.3 Documentation (3) (a) Preliminary Design Stage (iii) Preliminary Design ---Earthing and Earth Mat calculation with Step and Touch potential at TSS, SSP & SP as per IEEE80- 2013	In section 6.3 of Vol.2 requires conformity of the earthing system with EN50122-1 and En50522. These standards are not fully compatible with IEEE80, especially with respect to touch and step potential. Since in the TSS the earth mat and the traction	The Provisions of the Bidding Document are self-explanatory and shall prevail.



Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
		return are bonded, the touch voltage limits of EN50122-1 have to be considered in any case also for design of the TSS earth mats. Please confirm that the contractor can design the earthing system in conformity to EN50122-1 and EN50522 and that in case of contradictions to IEEE80 the EN series prevails.	
99	Volume 2 page 18/302 Clause 3.3.3 Documentation (1) Following documents, shall be prepared ---(n) Demonstration results of Fault Simulation and Fault Localisation at locations as desired by the Engineer.	Please confirm that equipment after the test have been carried out is still deemed "new" and suitable for handing over.	The Provisions of the Bidding Document are self-explanatory and shall prevail.
100	Volume 2 page 19/302 Clause 3.3.3 Documentation (3) The documents to be delivered (a) Preliminary Design Stage (iii) Preliminary Design ---i. Clearance study Report;	Please explain expected content in detail	Please refer Addendum No. 04, Sr. No.15.
101	Volume 2 page 20/302 Clause 3.3.3 Documentation (3) The documents to be delivered (c) Construction & Installation Stage ---(iii) Approval of technology	Please confirm understanding, "Approval of technology / Technical specifications with SOGP Matrix" may belong to (b) Detailed Design Stage	Please refer Addendum No. 04, Sr. No.16.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	/ Technical specifications with SOGP Matrix		
102	Volume 2 page 20/302 Clause 3.3.3 Documentation (3) The documents to be delivered (c) Construction & Installation ---(iv) Proposal on product makes with details on Makes, OEM, MTBF, MTTR, Maintenance Support in requisite format and Approval thereof on the Manufacturer/ brand,	Please confirm understanding, "(iv) Proposal on product makes , OEM, MTBF, MTTR, Maintenance Support in requisite format and Approval thereof on the Manufacturer/ brand," may belong to (b) Detailed Design Stage	The provisions of the Bidding Document are self-explanatory and shall prevail.
103	Volume 2 page 21/302 Clause 3.3.3 Documentation (3) The documents to be delivered (d) As built documents ---(iv) RAMS demonstration results;	Please define time frame for RAMS demonstration results.  This document is deemed not part of (d) As built documents	Please refer clause no:2.1(63) as a part of work program of page no:150 of 887  The Provisions of the Bidding Document shall prevail.
104	Volume 2 page 21/302 Clause 3.3.3 Documentation (3) The documents to be delivered (d) As built documents ---(v) Operation and Maintenance (O&M) Manual of the equipment covering Installation, operation and maintenance instructions;	Please confirm that (v) and (e) Operation and Maintenance (O&M) Manuals as specified in Chapter-17 are identical documents.	The referred sub clause is related to the Manual of Equipment. The requirement may be read in conjunction with the "Chapter 17: Operation and Maintenance Documentation" needed for the System.  The Provisions of the Bidding Document are self-explanatory and shall prevail.
105	Volume 2 page 24/302 Clause 4.3.2 ---The Traction Power Supply System shall be monitored & controlled through a Supervisory Control and	Please confirm understanding, equipment used for single phase, 240 V, AC supply for S & T installations along	<i>The provisions of the Bidding Document sub clause 10.3.4 at page 761 &amp; 762 of 887 are self-explanatory and shall prevail</i>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	Data Acquisition (SCADA) System	the route shall be monitored & controlled via S & T system	
106	Volume 2 page 24/302 Clause 4.4.1 ---Conformity with governing specifications and statutory requirements. (3) In addition to the codes, standards and provisions mentioned in these specifications, the codes and standards that may also be applicable are: (a) to (j)	Please confirm understanding: The <b>manufacturer of individual equipment defines</b> the applicable design standard for equipment. The cross reference principle shall be applicable.	The Provisions of the Bidding Document are self-explanatory and shall prevail.
107	Volume 2 page 24/302 Clause 4.4.1 ---(4) The decision of the Engineer shall be final.	Please confirm understanding: <b>The manufacturer of individual equipment defines the applicable design standard</b> for equipment. The cross reference principle shall be applicable.	The Provisions of the Bidding Document are self-explanatory and shall prevail.
108	Volume 2 page 38/302 Clause 5.1.6 ---First failure conditions (N-1) performance requirement The contractor shall identify and describe the conditions of all Single point Failure at TSS, SSP, and SP and assess & quantify the impact with requirement of Power rerouting and the energy requirement in kWh and MVA peak load.	Please confirm that the scenarios addressed in this clause are the cases given in the subsequent point list (1), (2) and (3).	The Provisions of the Bidding Document are self-explanatory and shall prevail.
109	Volume 2 page 41/302 Clause 5.5.2 ---System	Please note that EN50122-1 does not	Please refer Addendum No. 04, Sr. No.17.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	<p>Wide EMI Mitigation/EMC Earthing and Bonding strategy  (3) The Contractor shall simulate the worst condition scenario considering the failure of insulator, Rail fracture, earthing of broken conductors etc. as per EN50122-1.</p>	<p>mention and ask for consideration of such scenarios, but to assess if touch and step voltages will be kept for train operation conditions and fault condition. Please confirm that both the limits and assessment process for the earthing and bonding system shall be carried out in accordance to EN50122-1.</p>	
110	<p>Volume 2 page 46/302 Clause ---6.3 DESIGN OF EARTH SYSTEM  The earthing system shall conform to IEEE80: 2013, EN 50122-1 and EN – 50522, IS 3043 – 1987, and Earthing Manual 311 Issued by CBIP in that order of priority as applicable.</p>	<p>Please note that IEEE80 is not fully compatible with EN50122-1 and EN50522. Since in the TSS the earth mat and the traction return are bonded, the touch voltage limits of EN50122-1 have to be considered in any case also for design of the TSS earth mats. Please confirm that the contractor can design the earthing system in conformity to EN50122-1 and EN50522 and that in case of contradictions to IEEE80 the EN series prevails.</p>	<p>The Provisions of the Bidding Document are self-explanatory and shall prevail.</p>
111	<p>Volume 2 page 47/302 Clause 6.4 ---6.4.2 Each lightning arrester shall incorporate an individual earth, which shall be connected to a ground rod or rods and shall also be connected to the earth system in vicinity.</p>	<p>Please confirm that two or more surge arresters mounted on same structure may share the same conductor / connection to earth system</p>	<p>The Provisions of the Bidding Document are self-explanatory and shall prevail.</p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
112	Volume 2 page 49/302 Caluse 6.7 ---6.7.1 Contractor shall ensure the Power Quality keeping the voltage and current unbalance, reactive power and harmonic contents within the prescribed limit of state utility in normal and extended feed conditions throughout the designed life of the equipment.	Please confirm that these power quality requirements have to be met not only for the conditions defined in 5.1.3 Normal feeding Scenario, but also for the cases in 5.1.4 Emergency Feeding Scenario (N-1), as well as for section 5.1.7 Second failure conditions (N-2). Commonly in case of degraded conditions (N-1 and N-2 situations) utilities accept temporary excess of the limits. Even in case of penalties caused by such sporadic situations huge balancing and correction equipment would mean an economic disadvantage and adverse effect to energy efficiency when not required in regular operation.	The Provisions of the Bidding Document are self-explanatory and shall prevail.
113	Volume 2 page 49/302 Clause 6.7 ---6.7.1 For connectivity to the grid sub-station of power supply authorities, following power quality limits have been laid down at the point of common coupling (PCC), the contractor shall Control the Power quality within the applicable limits by providing the necessary PQ Improvement equipment.	Please confirm that for power quality assessment and decision about power quality control equipment the characteristics of the new rolling stock shall be applied in the train operations plan given in the specification.	Please refer sub-clause 6.7.5 of page no: 437/887 & Note of sub-clause 5.2.2 of page no:426/887  The Provisions of the Bidding Document are self-explanatory and shall prevail.
114	Volume 2 page 49/302 Clause 6.7.2 ---The limit of voltage unbalance permitted according	Lowest short circuit MVA is not given in the specification. The assessment may	Please refer Addendum No. 04, Sr. No.18.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	to Central Electricity Authority (CEA) standards are as follows based on lowest short circuit MVA at the grid sub-station:	lead to immense discrepancies depending on the different technical solutions required for balancing and harmonic filtering. Please advise reasonable lowest fault level for the individual points of common coupling, taking into account the future development of the network.	
115	Volume 2 page 50/302 Clause 6.9 ---6.9.1 All types of faults on overhead equipment covering faults among conductors for 25 kV feeder, OHE, and earth shall be identified, to facilitate isolation and location (within ± 200 m accuracy) and fault locator differential protection for transformer and the distance protection with at least three zones with back up protection shall be provided for feeders.	Please check and confirm. The required accuracy of fault locator shall be ± 450m , compare with 6.2.11 page 46/302	Please refer Addendum No. 04, Sr. No.20.
116	Volume 2 page 51/302 Clause 6.9 ---6.9.8 The protection scheme shall meet to the requirements of EN 60076, EN 50119, IE Rules and ACTM and include the following protections as minimum but not limited to:	Please advise if a fully redundant protection system or only back-up overcurrent protection is required for 132kV / 220kV protection system.	The Provisions of the Bidding Document are self-explanatory and shall prevail.
117	Volume 2 page 51/302 Clause 6.9.8 ---(a) 220/132kV In-coming feeder from grid sub-station to TSS - Line differential protection as required	Please confirm that both functions can be implemented in same relay, please clarify requirement for redundancy (if any) and back-up protection (if any)	Please refer Addendum No. 04, Sr. No.21.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	<ul style="list-style-type: none"> <li>- Under Voltage</li> </ul>	<p>Please clarify who will provide Line differential protection at utility end and FO or pilot wire connection</p>	
118	<p>Volume 2 page 51/302 Clause 6.9.8 ---(b) 220/132kV Bus-coupler in TSS delay compensation for phase difference between primary &amp; secondary line current</p> <ul style="list-style-type: none"> <li>- Bus differential Protection a Special protection for</li> <li>- Over current protection instantaneous and with time</li> </ul>	<p>Please identify set of current transformers for "Over current protection instantaneous and with time delay" in the Schematic Diagram of 220/132/54 kV Traction Sub- Station DRG. NO. GC/DFCC/PS/TSS/SCH/TYP/101</p> <p>Please explain, is this the synchro check ANSI25 or Phase sequence ANSI46 function or please explain "Bus differential Protection a Special protection for compensation for phase difference between rimary &amp; secondary line current "</p>	<p>Being a design &amp; build contract General/Functional/ Performance requirement has been specified. The detailed design is in the scope of the contractor.</p> <p>The Provisions of the Bidding Document shall prevail.</p>
119	<p>Volume 2 page 51/302 Clause 6.9.8 ---(c) 220/132kV Bus protection in TSS</p> <ul style="list-style-type: none"> <li>- Reverse current blocking Scheme only</li> <li>- Backup over current protection both instantaneous and time delayed</li> <li>- Bus differential Protection</li> </ul>	<p>Please define: there is only one protected zone or there are two protected zones with the bus-coupler in the middle. Please note that two sets of CTs are missing in this case, see Schematic Diagram of 220/132/54 kV Traction Sub- Station DRG. NO. GC/DFCC/PS/TSS/SCH/TYP/101</p> <p>Please explain, Reverse current and</p>	<p>Being a design &amp; build contract General/Functional/ Performance requirement has been specified. The detailed design is in the scope of the contractor.</p> <p>The Provisions of the Bidding Document shall prevail.</p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
		backup overcurrent are related to Transformer feeder or incoming feeder	
120	Volume 2 page 51/302 Clause 6.9.8 ---(d) Main Traction Transformer Protection - Over current Instantaneous / IDMT - Restricted Earth fault (REF) - Differential Protection	Please confirm the functions may be implemented in one protection relay  Please confirm "Restricted Earth fault (REF)" may be not applicable depending on transformer vector group or may be part of Differential Protection	The Provisions of the Bidding Document shall prevail.
121	Volume 2 page 52/302 Clause 6.9.8 ---(e) On load tap changer - Biased differential relay	Please confirm the function may be implemented in the "Main Traction Transformer Protection" relay.  Bias shall consider all tap changer positions at same time.	Being a design & build contract General/Functional/ Performance requirement has been specified. The detailed design is in the scope of the contractor.  The Provisions of the Bidding Document shall prevail.
122	Volume 2 page 52/302 Clause 6.9.8 ---(f) 54/ 2x25kV LV side Transformer Protection - Over current Instantaneous / IDMT - Differential Protection	Please confirm LV side Transformer Differential Protection may be implemented in the "Main Traction Transformer Protection" relay.	Being a design & build contract General/Functional/ Performance requirement has been specified. The detailed design is in the scope of the contractor.  The Provisions of the Bidding Document shall prevail.
123	Volume 2 page 60/302 Clause 7.2.3 ---Equipment including all associated metering class CTs and PTs for measuring power consumption shall be	Please confirm integrated CTs and PTs shall be used with dedicated cores or windings for metering and protection. It is	Being a design & build contract General/Functional/ Performance requirement has been specified. The detailed design is in the scope



Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	installed by the contractor on the incoming supply side of 220 or 132 kV.	not required to use dedicated CTs and PTs for different purposes.	of the contractor. The Provisions of the Bidding Document shall prevail.
124	Volume 2 page 63/302 Clause 7.3.2 ---(10) The design of the substation layout shall be such that one transformer can be removed by road without disturbing the operation of the DFCC.	Please confirm, this requirement is understood to "do not trouble traffic on the rail corridor" during lifting and shifting /loading and installation. Energy supply of TSS SP SSP may be interrupted	The Provisions of the Bidding Document are self-explanatory and shall prevail.
125	Volume 2 page 63/302 Clause 7.4 ---7.4.1 table Auto transformer TSS (as required by design) SP, SSP Rating 8MVA ( Minimum) ONAN 8 MVA (Minimum) ONAN Short circuit Capacity 35 times 25 times	Please confirm, only one type of autotransformer shall be provided, minimum rating 8MVA and Short circuit Capacity 35 times rated current.  See Schematic Diagram of 220/132/54 kV Traction Sub-Station DRG. NO. GC/DFCC/PS/TSS/SCH/TYP/101 requires correction of AT rating 15MVA	Please refer sub-clause 3.2 at page 398 of 887, sub-clause 7.4.1 at page 450 of 887. The Provisions of the Bidding Document shall prevail.  Please refer Addendum No. 04, Sr.39 also.
126	Volume 2 page 64/302 Clause 7.6 ---7.6.1 There shall be two Battery Banks and Two battery chargers at each TSS, SP, SSP and ATS (if any) of required capacity and rating.	Please confirm that two identical battery banks will share the load to cater for battery back-up time. Requirement for 10hours will be achieved by both banks.	Please refer Addendum No. 04, Sr. No.22.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
127	Volume 2 page 80/302 Clause 8.9 .---The Contractor shall connect AEW, BEC as required and running rails of both the tracks at regular intervals to keep the rail touch and step potentials under acceptable limits both for normal and fault conditions including Auto Transformer Failure Condition.	We understand that BEC shall ensure continuity of the traction return for different failure cases w.r.t the components of the traction return. Please confirm that BEC has to be implemented in any case.	Being a design & build contract General/Functional/ Performance requirement has been specified. The detailed design is in the scope of the contractor.  Please refer sub-clause 3.2.3, 3.2.4 on page 398 of 887, sub-clause 6.2.2 of page 431 of 887 and sub-clause 8.4 (5) of page 465 of 887.  The Provisions of the Bidding Document are self-explanatory shall prevail.
128	Volume 2 page 80/302 Clause 8.9 .1 ---It shall be the responsibility of the Contractor to determine the sizes of the AEW and BEC as required, distances of their connection to rails/earth so as to ensure a safe system both under normal and fault conditions as per EN-50122-1. For the calculation purpose time duration for clearance of fault may be considered as 300ms.	We understand that BEC shall be sized to withstand fault currents with a maximum clearance time of 300 ms. For the spacing of the AEW and BEC connections the requirements of EN50122-1 with regard to rail potential, touch voltage and step voltage have to be fulfilled. Please confirm.	Being a design & build contract General/Functional/ Performance requirement has been specified. The detailed design is in the scope of the contractor.  The Provisions of the Bidding Document are self-explanatory shall prevail.
129	Volume 2 page 87/302 Clause 8.20.4 ---Work shall be taken up according to the approved Earthing & Bonding Plan prepared by the contractor and shall include as under: (5) Separate and Distinct Earth Station for Lightning Arrestor,	Please note that to minimize EMC effects of lightning impulses the earth path from surge arrester to earth shall be as short as possible and the earthing resistance shall be reasonably small.  Please confirm that preferably the	The Provisions of the Bidding Document are self-explanatory shall prevail.  Please refer to reply at Sr. No. 111 .

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
		existing earth system shall be used and only if not available a Separate and Distinct Earth Station.	
130	Volume 2 page 90/302 Clause 9.2 ---(1) TSS (each) – One 100kVA Auxiliary Transformer connected to 25kV bus bar of UP and DN lines by independent jumpers.	Please confirm, the two Auxiliary Transformers shall be installed within the TSS yard and shall be connected to the bus bar(s). Please confirm auxiliary transformers are single phase and may be connected to positive or negative feeder (and the traction earth) only.	<i>Please refer the response to Query no. 89.</i>
131	Volume 2 page 90/302 Clause 9.2 ---(2) SP, SSP and Auto Transformers stations (if any) – One 10kVA Auxiliary Transformer at each switching station connected to 25kV bus bar <b>of Up and DN lines by independent jumpers</b> . One Auxiliary Transformer of 10kVA connected to 25kV bus bar shall also be provided at TSS.	Please confirm, the two Auxiliary Transformers shall be installed within the SP, SSP yard and shall be connected to the busbar(s).  Please check and confirm, if 3 Auxiliary Transformers shall be provided in TSS yard (2x100kVA +1x10kVA) compare with 3.3.1 (3) page 13/302 Please confirm auxiliary transformers are single phase and may be connected to positive or negative feeder (and the	<i>Please refer the response to Query no. 89.</i>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
		traction earth) only	
132	Volume 2 page 136/302 Clause 11.4 ---11.4.2 The Contract shall provide the approach roads inside the Power supply Control Posts TSS, SSP, SP suited for carrying equipment of highest weight like transformer.	Please clarify if <b>traction transformers</b> only at TSS and / or AT transformers are <b>meant to be designed for road or rail transport</b> .	Please refer sub-clause 17.7 of page no:792 of 887. The Provisions of the Bidding Document are self-explanatory shall prevail.
133	Volume 2 page 140/302 Clause 12.2 ---12.2.1 (5) Section proving This test shall be undertaken in each electrical section, to ensure that each electrical section can be successfully isolated from adjacent electrical sections and that the correct OHE alive indications are shown in the TSS control rooms and the on the SCADA system.	Please define requirement for presentation of data in TSS control room. The OHE alive indications of how many sections shall be presented? Is it required to also present the status of section isolators? Is it required to also control (open close) the section isolators? Is it required to also control (open close) the section isolators at next neutral sections (at SPs)? Is it required to also control (open close) the section isolators at next IR interface?	Being a design & build contract General/Functional/ Performance requirement has been specified. The detailed design is in the scope of the contractor. The Provisions of the Bidding Document are self-explanatory shall prevail. Please also refer Table 10.1.1 of page no 487 of 887.
134	Volume 2 page 140/302 Clause 12.2 ---12.2.2 The Contractor shall not energize the TSS, SP, SSP, ATS or the OHE until all interfacing parties have issued a letter of no objection.	Please provide a list of interface partners at one sample station e.g. TSS and for one section of the OHL Who will bear the consequences in case the letter of no objection hasn't been issued in time or the third party refuses	Please refer Chapter 18, of page no 565 of 887. The Provisions of the Bidding Document are self-explanatory shall prevail.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
		to grant NO	
135	Table 18.4.1, Item No-5 Part-2, Section- VI, Volume-2, ---Provision of approach road to the construction sites from Junction / Crossing stations.	We understand that the approach road to the construction site outside TSS/SPP/SP will be made available and shared by the CST contractor including ROW if any. Kindly confirm our understanding.	Please refer item 5 of Table 18.4.1 and para 17.5.1 of page791 of 887. The Provisions of the Bidding Document are self-explanatory shall prevail.
136	Sec VIII Particular Conditions Sub Clause 14.9 --- "Delete first para of Sub-Clause 14.9 and substitute with the following: "A retention money amounting to 10 (ten) percent of the value of the work done shall be deducted by the Engineer in the first and following Interim Payment Certificates, until the amount so retained reaches a limit of retention money of 5 (five) percent of the Contract Price.	It is requested to modify the clause as under: "A retention money amounting to 5 (five) per cent of the value of the work done shall be deducted by the Engineer in the first and following Interim Payment Certificates, until the amount so retained reaches a limit of retention money of 5 (five) percent of the Contract Price. ...."	Request not accepted. Provisions of the Bidding Document shall prevail.
137	Sub-Clause 1.7, Section VIII, Particular conditions ---Assignment	Kindly retain sub clause 1.7 as given in FIDIC Yellow Book	Request not accepted. Provisions of the Bidding Document shall prevail.
138	Sub-Clause 1.9 and 5.1, Section VIII, Particular condition ---Errors in Employer's requirements- to be understood with reference to "purpose, scope, design and/or other technical criteria for the works"	Please define the "purpose" of the works with reference to the use of the term "purpose, scope, design and/or other technical criteria for the works"	The Clause is self-explanatory.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
139	Sub-Clause 2.1, Section VIII, Particular conditions ---Right to access to site: the cost compensation is deleted in case of delay in getting access to site	Kindly retain Sub-Clause 2.1 as given in FIDIC Yellow book	Request not accepted. Provisions of the Bidding Document shall prevail.
140	Sub-Clause 4.7, Section VIII, Particular conditions ---Setting out	Kindly retain Sub-Clause 4.7 as given in FIDIC Yellow book	Request not accepted. Provisions of the Bidding Document shall prevail.
141	Sub-Clause 4.1, Section VIII, Particular conditions ---Site Data	Kindly retain Sub-Clause 4.10 as given in FIDIC Yellow book	Request not accepted. Provisions of the Bidding Document shall prevail.
142	Sub-Clause 4.12, Section VIII, Particular conditions ---Unforeseeable Physical Conditions: In this Sub-Clause, "physical conditions" means man- made or natural physical conditions including sub- surface and hydrological conditions which the Contractor encounters at site during the execution of the Works. Except as otherwise stated in the Contract: (a) the Contractor accepts total responsibility for having foreseen all difficulties and physical conditions; and (b) the Contract Price shall not be adjusted to take account of any unforeseen physical conditions	Kindly retain Sub-Clause 4.12 as given in FIDIC Yellow book	Request not accepted. Provisions of the Bidding Document shall prevail.
143	Sub-Clause 5.1, Section VIII, Particular conditions ---General Design Obligation	Please define purpose.  We request modification to following	

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
		<p>clause:  - Para 2, 2nd sentence : " The Contractor undertakes that the designers shall be available to attend discussions with the Engineer at all reasonable times, until the expiry date of the relevant Defects Notification Period."- Siemens design personnel will be available for the meetings but not necessarily the same personnel</p> <p>We request to delete the following requirements / clauses :  - Para 4, 2nd sentence : "If and to the extent that (taking account of cost and time) an experienced contractor exercising due care would have discovered the error, fault or other defect when examining the Site and the Employer's Requirements before submitting the Tender, the Time for Completion shall not be extended and the Contract Price shall not be adjusted.</p>	<p>Request not accepted. Provisions of the Bidding Document shall prevail.</p> <p>Request not accepted. Provisions of the Bidding Document shall prevail.</p>
144	Sub-Clause 8.2, Section VIII, Particular conditions ---Time for Completion: Whole of the Works shall be completed within 1000 (One Thousand) days from the Commencement Date.	We understand that the contractor will be considered as being entitled to payment for the purpose of GC 8.2 on the Date of submission of Statement as per GC 14.3 to the Engineer. Kindly confirm our	The provisions in Sub-Clause 8.2 of Particular Conditions and Sub- Sub-clause 14.3 of General Conditions, read with 14.3 of Particular Conditions, are sufficiently clear. Provisions of Bidding

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	<p>Milestone-1: 360 (Three Hundred Sixty) days from the Commencement Date Prior to the occurrence of Milestone-1, the Contractor shall have commenced the activities of the Permanent Works entitling him a payment of at least 10% of the Accepted Contract Amount. Note: 10% of the accepted contract amount shall not include advance payment made to the contractor as per Clause 14.2 of GC.</p> <p>Milestone-2: 700 (Seven Hundred) days from the Commencement Date Prior to the occurrence of Milestone-2, the Contractor shall have achieved the following: (a) Completed the foundations of 70% of all OHE masts and portals (put together) required in the Contract; (b) Completed the erection of 60% of all OHE masts and portals (put together) required in the Contract; (c) Completed the erection of 50% of all cantilevers (bracket insulators, bracket tube, stay tube, register arm and steady arm) for OHE masts and portals (put together) required in the Contract; and (d) Completed the Permanent Works entitling him to a payment of at least 40% of Accepted Contract Amount.</p>	<p>understanding.</p> <p>Milestone-2: Individual completion of activities from a) to c) are independent in nature and directly measurable. Since a) to c) covers the major activities and progress and will also be a part of d) it is requested to delete d) towards this milestone.</p> <p>Milestone-3: Individual completion of activities from a) to d) are independent in nature and directly measurable. Since a) to d) covers the major activities and progress and will also be a part of e) it is requested to delete e) towards this milestone.</p>	<p>Document shall prevail.</p> <p>Request not accepted. Provisions of the Bidding Document shall prevail.</p> <p>Request not accepted. Provisions of the Bidding Document shall prevail.</p>



Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	<p>Note: 40% of the accepted contract amount shall not include advance payment made to the contractor as per Clause 14.2 of GC.</p> <p>Milestone-3: 800 (Eight Hundred) days from the Commencement Date  Prior to the occurrence of Milestone-3, the Contractor shall have achieved the following:</p> <p>(a) The transportation of all traction power transformers for the traction substations and all the Auto Feed Transformers (ATF) required in the Contract, to the Site;</p> <p>(b) Completed the foundations of 90% of all OHE masts and portals (put together) required in the Contract;</p> <p>(c) Completed the erection of 85% of all OHE masts and portals (put together) required in the Contract;</p> <p>(d) Completed the erection of 70% of all cantilevers (bracket insulators, bracket tube, stay tube, register arm and steady arm) for OHE masts and portals (put together) required in the Contract; and</p> <p>(e) The Permanent Works entitling him to a payment of at least 70% of Accepted Contract Amount.</p> <p>Note: 70% of the accepted contract amount shall not include advance payment made to the contractor as per Clause 14.2 of GC.</p>		

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	<p>Milestone-4: 900 (Nine Hundred) days from the Commencement Date Prior to the occurrence of Project Milestone-4, the Contractor shall have completed the Tests on Completion pursuant to Clause 9 of the Conditions of Contract including integrated Testing required, complete in all respects as per Employer's Requirement mentioned in the Contract.</p> <p>Milestone-5: 1000 days (One Thousand) days from the Commencement Date Prior to the occurrence of Milestone-5, the Contractor shall have completed all Works required as per the Contract including certification of installation by an authority(ies) nominated by the Employer and taking over the entire Works pursuant to Clause 10 of the Conditions of Contract.</p>		
145	Sub-Clause 8.8, Section VIII, Particular conditions ---Suspension of works	Please delete the last paragraph of PC 8.8	Request not accepted. Provisions of the Bidding Document shall prevail.
146	Sub-Clause 10.2, Section VIII, Particular conditions ---Taking over of parts of the works	Kindly retain Sub-Clause 10.2 as given in FIDIC Yellow book	Provisions of the Bidding Document shall prevail.
147	Sub-Clause 13.3, Section VIII, Particular conditions ---Variation Procedure: No price adjustment for	Please allow price adjustment on Variations to the extent allowed in	Request not accepted. Provisions of the Bidding Document shall prevail.

<b>Sr. No.</b>	<b>Reference to Bidding Document</b>	<b>Clarification Sought by the Bidders</b>	<b>DFCC's Response</b>
<b>(1)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>
	Variations	respective Price Schedules	
148	4.4.2 (b), Part 2 section VI, volume 2 ---If imported, the cross acceptance criteria as given below shall apply.	It is requested to modify the cross acceptance criteria suitably for the products locally sourced from non RDSO/Core approved sources	Request not accepted. Provisions of the Bidding Document shall prevail.
149	Sub-Clause 16.2, Section VIII, Particular conditions ---Termination by the contractor	Kindly retain Sub-Clause 16.2 as given in FIDIC Yellow book	Request not accepted. Provisions of the Bidding Document shall prevail.
150	Sub-Clause 17.3 and 18.2, Section VIII, Particular conditions -- -Employer's risks/Insurance of works and Contractor's equipment	Kindly retain Sub Clause 17.3(h), 18.2 sub- para 4(d) as given in FIDIC Yellow Book	Request not accepted. Provisions of the Bidding Document shall prevail.
151	Clause 1.10, G.C.C. - FIDIC Yellow Book 1999 --- Employer's Use of Contractor's Documents	We request to delete sub-paragraph (b) and substitute: b) entitle the Employer's Personnel in proper possession of the relevant part of the Works to copy, use the Contractor's Documents for the purposes of completing, operating, maintaining the Works	Request not accepted. Provisions of the Bidding Document shall prevail.
152	Clause 1.12, G.C.C. - FIDIC Yellow Book 1999 --- Confidential details The Contractor shall disclose all such confidential and other information as the Engineer may	Please confirm the nature of the confidential information that may be required.	The Clause is sufficiently clear. Provisions of the Bidding Document shall prevail.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	reasonably require in order to verify the Contractor's compliance with the Contract		
153	<p>Clause 1.13, G.C.C. - FIDIC Yellow Book 1999 --- Compliance with Law :</p> <p>(b) the Contractor shall give all notices, pay all taxes, duties and fees, and obtain all permits, licences and approvals, as required by the Laws in relation to the design, execution and completion of the Works and the remedying of any defects; and the Contractor shall indemnify and hold the Employer harmless against and from the consequences of any failure to do so.</p>	<p>We request to Insert at the end of Sub-Clause 1.13:</p> <p>However, the Contractor shall submit, in good time, the details of Goods to the Employer, who shall then promptly obtain all import permits or licences required for these Goods</p>	Request not accepted. Provisions of the Bidding Document shall prevail.
154	<p>Clause 2.2, G.C.C. - FIDIC Yellow Book 1999 --- Permits, Licences or Approvals</p>	<p>The Contractor shall be responsible to get only those Permits, Approvals or License which are required in the Contractor's name for the performance of this Contract. Please confirm.</p> <p>Further, we request DFCCIL to issue the necessary Road Permit/Octroi Exemption Certificate, if applicable for transporting the project related material / equipments in the respective states</p>	<p>The Clause is sufficiently clear .</p> <p>Request not accepted. Provisions of the Bidding Document shall prevail.</p>
155	<p>Clause 2.5, G.C.C. - FIDIC Yellow Book 1999 ---</p>	<p>We request you to Insert in paragraph 2, behind the words "as soon as</p>	Request not accepted. Provisions of the Bidding Document shall prevail.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	Employers' claim Para (2) The notice shall be given as soon as practicable after the Employer became aware of the event or circumstances giving rise to the claim. A notice relating to any extension of the Defects Notification Period shall be given before the expiry of such period.	practicable": ,and not later than 28 days	Document shall prevail.
156	Clause 4.1, G.C.C. - FIDIC Yellow Book 1999 --- Contractor's General Obligations: The Contractor shall design, execute and complete the Works in accordance with the Contract, and shall remedy any defects in the Works. When completed, the Works shall be fit for the purposes for which the Works are intended as defined in the Contract.	We request to Delete paragraph 1, 2nd sentence.	Request not accepted. Provisions of the Bidding Document shall prevail.
157	Clause 4.1, G.C.C. - FIDIC Yellow Book 1999 --- Contractor's General Obligations	We request to delete the following words in paragraph 3 of Sub-Clause 4.1.  ...(although not mentioned in the Contract).	Request not accepted. Provisions of the Bidding Document shall prevail.
158	Clause 4.3, G.C.C. - FIDIC Yellow Book 1999 --- Contractor's Representative	We request to delete following two paragraphs : Unless the Contractor's Representative is named in the Contract, the Contractor shall, prior to the Commencement Date,	Request not accepted. Provisions of the Bidding Document shall prevail.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
		<p>submit to the Engineer for consent the name and particulars of the person the Contractor proposes to appoint as Contractor's Representative. If consent is withheld or subsequently revoked, or if the appointed person fails to act as Contractor's Representative, the Contractor shall similarly submit the name and particulars of another suitable person for such appointment.</p> <p>The Contractor shall not, without the prior consent of the Engineer, revoke the appointment of the Contractor's Representative or appoint a replacement.</p>	
159	Clause 4.5, G.C.C. - FIDIC Yellow Book 1999 --- Nominated Subcontractors	We request to delete Sub-Clause 4.5.	Request not accepted. Provisions of the Bidding Document shall prevail.
160	Clause 4.6, G.C.C. - FIDIC Yellow Book 1999 ---Co-operation	<p>We request to delete Sub-Clause 4.6 and substitute:</p> <p>The Contractor shall, in accordance with the Engineer's instructions, afford to other contractors engaged by the Employer to work on the Site and persons lawfully upon the Site all</p>	Request not accepted. Provisions of the Bidding Document shall prevail.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
		<p>reasonable opportunities for carrying out their work provided that the same shall not obstruct or disturb the progress of the Works and, when leaving his area of work, clean-up such part of the Site. The Contractor shall also afford such opportunities to the employees of the Employer.</p> <p>If the Contractor, on the written request of the Engineer, makes available any Contractor's Equipment or provides any other service, the Employer shall pay the Contractor accordingly. The amount to be paid shall be certified by the Engineer and added to the Contract Price.</p>	
161	Clause 4.13, G.C.C. - FIDIC Yellow Book 1999 --- Rights of way and facilities	Kindly delete this clause.	Request not accepted. Provisions of the Bidding Document shall prevail.
162	Clause 4.15, G.C.C. - FIDIC Yellow Book 1999 ---Access Route	<p>Delete paragraph 1, 1st sentence.</p> <p>Delete paragraph 2, including sub-paragraphs (a) to (e), and substitute: However, if the Contractor encounters non- suitability or non-availability, for the use required by the Contractor, of access routes, gives a notice to the Engineer as</p>	Request not accepted. Provisions of the Bidding Document shall prevail.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
		<p>soon as practicable describing the relevant circumstances, and suffers delay and/or incurs Cost due to these circumstances, the Contractor shall be entitled subject to Sub- Clause 20.1 [Contractor's Claims] to:</p> <p>(a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and</p> <p>(b) payment of any such Cost, which shall be included in the Contract Price.</p>	
163	<p>Clause 4.19, G.C.C. - FIDIC Yellow Book 1999 --- Electricity, Water and Gas</p>	<p>We request to delete paragraphs 1 and 2 and substitute: The Employer shall be responsible for the provision of all power, water and other ser- vices the Contractor may reasonably require. The Contractor shall be entitled to use for the purposes of the Works and for the accommodation of the Contractor's and his Subcontractor's Personnel such supplies of electricity, water, gas and other services, the details and prices of which are given in the Employer's Requirements.</p>	<p>Request not accepted. Provisions of the Bidding Document shall prevail.</p>
164	<p>Clause 4.22, G.C.C. - FIDIC Yellow Book 1999 ---</p>	<p>We request you in sub-paragraph (a), delete the word "Contractor" and</p>	<p>Request not accepted. Provisions of the Bidding</p>



Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	Security of the Site (a) the Contractor shall be responsible for keeping unauthorised persons off the Site, and	substitute with "Employer"	Document shall prevail.
165	Clause 11 1.1.3.7, G.C.C. - FIDIC Yellow Book 1999 ---Defects Liability	We understand that the the Defects Liability period and the Defects Notification period as mentioned in cl. 1.1.3.7 (pg. 4 of FIDIC Yellow Book) are the same. Please confirm.	The Clause is sufficiently clear. Provisions of the Bidding Document shall prevail.
166	Clause 15.2, G.C.C. - FIDIC Yellow Book 1999 --- Termination by employer	<p>We request,at the end of paragraph 2 ("... may by notice terminate the Contract immediately."), add: In any case, and notwithstanding the above, Employer's right to terminate the Con-tract hereunder shall be subject to the express proviso that the Employer cannot rea- sonably be expected to remain bound by the Contract.</p> <p>Delete paragraph 3 ("... shall not prejudice any other rights ...") and substitute:</p> <p>The Employer's election to terminate the Contract shall be in lieu of and to the exclu- sion of any rights of the Employer, under the Contract or otherwise, other than pro-vided in Sub-Clause 15.4</p>	Request not accepted. Provisions of the Bidding Document shall prevail.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
		[Payment after Termination].	
167	Clause 15.5, G.C.C. - FIDIC Yellow Book 1999 --- Employer's Entitlement to Termination	Insert at the end of Sub-Clause 15.5:  The Employer shall also pay to the Contractor the amount of any loss of profit or other loss or damage resulting from this termination.	Request not accepted. Provisions of the Bidding Document shall prevail.
168	Clause 17.6, G.C.C. - FIDIC Yellow Book 1999 --- Limitation of Liability	The clause provides for liability being capped to "Accepted" contract value. Does this mean total contract value, please clarify	The Clause is sufficiently clear. Provisions of the Bidding Document shall prevail.
169	Part 2, Volume 2, Page 94/302 Clause 10.1.3 ---An indicative conceptual system configuration for the SCADA system Mughal Sarai – New Bhaupur section is attached in Drawing no DFC/EC/MGS- NBP/SCADA/1 and included in Part 4 of the bid documents.	The mentioned drawing could not be found within the bid documents. Within the bid documents there is a drawing "General Arrangement Block Diagram For Traction SCADA Control" (GC/DFCC/TR/SCADA/701). Kindly advice that this is the relevant drawing.	Please refer Addendum No. 04, Sr. No.25.
170	Part 2, Volume 2, Page 95/302 Clause 10.2.1 (d) - --The SCADA system at OCC shall meet the environmental conditions as below. Minimum Temperature - 5 °C Ambient Temperature - 29°C Maximum Temperature - 35°C	The "-" sign in front of the temperature values is confusing. Please confirm that positive temperatures (5°C, 29°C and 35°C) shall be considered.	The Provisions of the Bidding Document are self-explanatory shall prevail.  The figures should be read as 5, 29 and 35 respectively.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
171	Part 2, Volume 2, Page 99/302 Clause 10.4.2 --- (According to indicative designs, the location of the principal sites to be controlled and Monitored is shown in drawing no. DFC/EC/MGS-NBP/TR-01 included in part-4 of the bid document).	The mentioned drawing could not be found within the bid documents. Please kindly provide the relevant drawing number.	Please refer Addendum No. 04, Sr. No.26.
172	Part 2, Volume 2, Page 101/302 Clause 10.5.7 --- Traction Power Controller (TPC at OCC control room) shall be provided with one additional Client PC workstation with 21 Inch full HD LED backlit colour monitor for viewing, monitoring and management of Video Surveillance Data.	Please kindly confirm that the workstation and monitor shall be provided and the related works (design, engineering, software, etc.) for the Video Surveillance System are to be provided by other Contractor as stated in article <b>10.5.6</b> of this PS.	Please refer Addendum No. 04, Sr. No.27.
173	Part 2, Volume 2, Page 101/302 Clause 10.6.4 --- The SCADA system shall be able to initiate a change of state at the output of an RTU within <1 second of initiation by the control room operator.	Please kindly confirm that the total command time is influenced by the communication network provided by other Contractor. Please confirm that the proposed communication network will provide <b>high speed</b> communication channels between RTUs and SCADA Main Servers to ensure the required response time.	Please refer Table 18.4.2 (10) & (11). It is confirmed that the communication network shall be provided by the other Contractor CP 203. The Contractor shall interface with the other contractor and shall design accordingly meeting the performance/ functional requirements as specified in Bidding Document. The Provisions of the Bidding Document shall prevail.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
174	Part 2, Volume 2, Page 102/302 Clause 10.6.5 --- The SCADA system shall indicate the change of state or change in alarm status within <1 second of receiving the signal at the input to an RTU.	Please kindly confirm that the total time is influenced by the communication network provided by other Contractor. Please confirm that the proposed communication network will provide high speed communication channels between RTUs and SCADA Main Servers to ensure the required response time.	Please refer Table 18.4.2 (10) & (11). The Provisions of the Bidding Document shall prevail.
175	Part 2, Volume 2, Page 102/302 Clause 10.6.6 ---The Total time of any commanded operation including all propagation delays shall not be >1 second i.e. from Initiation to receipt of Confirmation at work station.	Please kindly confirm that the total time is influenced by the controlled and monitored equipment (e.g. runtime of a switch) and may exceed 1 second. Please kindly review the maximum total time of 1 second since this requirement is contradictorily with articles 10.6.4 and 10.6.5.	Please refer Table 18.4.2 (10) & (11). The Provisions of the Bidding Document shall prevail.
176	Part 2, Volume 2, Page 102/302 Clause 10.6.9 ---The SCADA system shall be capable of time stamping with less than 0.1ms resolution.	According to IEC 60870-5-104 communication protocol the minimum resolution of a time stamp is 1ms.  Accordingly a resolution below 1ms is not applicable.  Additionally the real resolution of time stamps depends on the cycle time of	Please refer Addendum No. 04, Sr. No. 28.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
		<p>PLCs where the time stamps are created. Please confirm that the minimum time stamp resolution of 1ms is sufficient.</p>	
177	<p>Part 2, Volume 2, Page 102/302 Clause 10.6.10( f) ---Shall Support Application Layer - 0870-5-104, 60870- 5-105, DNP3( Distributed Network Protocol Ethernet), Telnet, FTP Modbus RTU;</p>	<p>As per article 10.6.10 IEC 60870-5-104 communication protocol between SCADA at OCC and RTU/IED shall be considered. Does the present clause (f) shall refer to alternative/additional protocols which shall be supported?</p> <p>The mentioned application layers (DNP3, Telnet, FTP Modbus RTU" are not compatible with IEC 60870-5-104.</p> <p>Please kindly note that the protocol "6087-5- 105" does not exists. Please kindly review the syntax of "0870-5-104" which obviously shall be "IEC 60870-5-104".</p>	<p>The Provisions of the Bidding Document are self-explanatory shall prevail.</p> <p>The TCP/IP protocol as per IEC 60870-5-104 shall be used as per the requirement.</p> <p>Please refer Addendum No. 04, Sr. No.29.</p>
178	<p>Part 2, Volume 2, Page 105/302 Clause 10.8.1 (4) ---As a minimum, the central servers shall have dual redundancy with one set of servers located at the OCC equipment room interconnected with multiple redundant and spatially diverse data</p>	<p>Please kindly confirm that the phrase "dual redundancy" refers to a 2 (two) server system e.g. in a hot-standby configuration.</p>	<p>The Provisions of the Bidding Document are self-explanatory shall prevail.</p>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	communication links.		
179	Part 2, Volume 2, Page 106/302 Clause 10.9.1 (7) ---Typical Requirement of I/O list.	Please kindly specify the requirements of the I/O list.	Please refer Addendum No. 04, Sr. No.30.
180	Part 2, Volume 2, Page 107/302 Clause 10.9.3 (3) ---TSS shall include Protection, Control, Monitoring and transmission to the Local Interface Unit (LIU) and Control Center. LIU can control the TSS after OCC permission.	Please specify whether Protection, Control and, Monitoring (central local operation) shall be considered for SP, SSP and ATS stations? If yes, please specify how Protection, Control and, Monitoring shall be considered.	<i>The Provisions of the Bidding Document is self-explanatory and shall prevail.</i>
181	Part 2, Volume 2, Page 107/302 Clause 10.9.3 (5) (b) ---The workstation in TSS shall serve as Local Interface Unit (LIU) for use of local operator.	Please confirm if for the local control at TSS a separate IEC 60870-5-104 interface between LUI and Gateway/RTU shall be considered. Or shall the LIU be integrated into the SCADA System as local operator workstation?	The Provisions of the Bidding Document are self-explanatory shall prevail.
182	Part 2, Volume 2, Page 107/302 Clause 10.9.3 (6) ---Conceptual SCADA system configuration for Mughal Sarai – New Bhaupur section is as follows attached in Drawing no DFC/EC/MGS-NBP/SCADA/1 and included in Part 4 of the bid documents	The mentioned drawing could not be found within the bid documents. Within the bid documents there is a drawing "General Arrangement Block Diagram For Traction Scada Control" (GC/DFCC/TR/SCADA/701). Kindly advice that this is the relevant drawing.	Please refer Addendum No. 04, Sr. No.31.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
183	Part 2, Volume 2, Page 108/302 Clause 10.9.4 (1) ---Such control shall be only possible after taking "Permission for Local Operation" from the Traction Power Operator. This shall be also logged in event list by SCADA system.	Please advice whether the "Permission for Local Operation" shall be of technical or organizational nature. Please note that a technical solution for granting permission for local operation is only possible when communication to the SCADA system at OCC is available. This requires a backup procedure/solution when communication to the OCC is not possible.	Please refer sub-clause 10.9.4 (1)(b) & 10.9.4.(2) on page 496 of 887..  The Provisions of the Bidding Document are self-explanatory shall prevail.
184	Part 2, Volume 2, Page 108/302 Clause 10.9.3(1) ---The SCADA system comprises of RTU's at TSS, Switching Posts (SP, SSPs) and Energy Meters at Aux. Transformer Locations for necessary field data collection and data transfer to Control Center.	No of location of aux transformer (at S&T Hut) is not defined. Please clarify.	Please refer to reply at Sr. No. 60.
185	Part 2, Volume 2, Page 109/302 Clause 10.9.3(8) {2} [d] ---Portable configuration devices	As per our understanding, portable configuration devices are required for RTU configuration. We shall provide laptop along with required software.  Please clarify no of portable devices required.	Please refer Addendum No. 04, Sr. No.32.
186	Part 2, Volume 2, Page 111/302 Clause 10.10.2 (3) (b) ---The Tele-commands shall receive the highest priority. The normal communication	Please confirm that the "interruption" of normal communication is not mandatory. The Tele-commands (IEC 60870-5-104	<i>Please refer Addendum No. 04. Sr. No. 43.</i>

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	between RTU & OCC shall get interrupted for sending the Tele-command.	telegrams) will be spontaneously transmitted from the OCC to the RTU without any disturbance of the normal communication.	
187	Part 2, Volume 2, Page 112/302 Clause 10.10.2 (7) (a) ---...The only periodic poll from the master shall be the general interrogation, <b>at intervals not exceeding 10 minutes.</b>	Typically a general interrogation (GI) is only send when the connection between master and RTU has been established. A periodical (GI) will increase the network load disproportionately without any benefit. Please confirm that periodical GI is not mandatory.	The Provisions of the Bidding Document shall prevail.
188	Part 2, Volume 2, Page 113/302 Clause 10.10.2 (9) (g) ---...Defining and controlling user access to the system shall be provided through independent domain server. The domain server shall be in redundant configurations. A user management application shall be deployed to manage and to help achieve seamless access to all applications after identity authentication of the users.	Kindly advice if the mentioned domain servers have to be provided or probably existing domain servers shall be used.	The Provisions of the Bidding Document are self-explanatory and shall prevail.
189	Part 2, Volume 2, Page 113/302 Clause 10.10.2 (13) ---Facility shall be provided to block / de-block a control point (circuit breaker, interrupter and other controllable equipment or a set of controlled equipment at the controlled station). The block or unblock command shall	Please confirm that block/de-block command shall be only considered from OCC. Or shall the block/de-block command also be considered for any other local equipment ( <b>e.g. LIU</b> )? Please specify for which equipments and	<i>Being a design &amp; build contract General/Functional/ Performance requirements have been specified. The detailed design is in the scope of the contractor.</i> <i>The block / de-block command as required shall be possible from OCC. Functionality of LIU shall</i>



Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	disable/enable control operations from the OCC. The blocked condition of any equipment or a set of equipment shall be suitably indicated on the monitor.	locations (SP, SSP and TSS) block/de-block command shall be considered.	<i>conform the requirement of sub clause 10.9.3 at page 494 of 887 or specified elsewhere in bidding document.</i> <i>The Provisions of the Bidding Document shall prevail.</i>
190	Part 2, Volume 2, Page 123/302 Clause 10.10.2(38) (ix) ---The internal clock shall be completely independent of the synchronization source so that the RTU shall continue to properly handle its time related application in case of source and communication failure.	Please confirm that the internal clock cannot be "complete independent" from its synchronization source. Nevertheless the RTU internal clock shall continue when the synchronizations source is not reachable.	Being a design & build contract General/Functional/ Performance requirement has been specified. The detailed design is in the scope of the contractor.  The Provisions of the Bidding Document are self-explanatory and shall prevail.
191	Part 2, Volume 2, Page 123/302 Clause 10.10.2 (38) (xiii) ---Ability to communicate with the local user interface (LUI) for control & Monitoring / maintenance purposes in case of communication link failure with OCC;	Please advice if communication between LUI and RTU shall be <u>only</u> possible in case of communication link failures with OCC? Please advice if an additional IEC 60870-5- 104 communication channel between LUI and RTU shall be considered.	Please refer sub-clause 10.10.2 (47)(b) on page 514 of 887.  The Provisions of the Bidding Document shall prevail.
192	Part 2, Volume 2, Page 132/302 Clause 10.11.2 (vii) (c) ---Functional testing on all communication devices including media converters, LAN equipment etc. shall be carried out to verify their operational parameters;	Kindly confirm that only communication devices which are in scope of supply shall be tested. The interface and components of the communication network provided by others are not required to be tested during FAT.	The Contractor shall carry out all the tests as specified in Bidding Document.  Please refer sub-clause 8.15.5 of page 238 of 887 also.  The Provisions of the Bidding Document are self-explanatory and shall prevail.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
193	Part 4 Power Supply Schemes & SCADA Layouts Drg. (GC/DFCC/TR/ SCADA/701) ---Shown interfaces to APL-1 and APL-3 Traction SCADA	Please confirm that there will be no direct redundant LAN connection between the SCADA systems of APL-1, 2 and 3. To avoid interferences a separation of the networks (e.g. through Router/Firewall shall be considered.	Please refer sub-clause 3.3.1(2) page 400 of 887. The Provisions of the Bidding Document are self-explanatory and shall prevail.
194	Part 4 Power Supply Schemes & SCADA Layouts Drg. (GC/DFCC/TR/ SCADA/701) ---Shown "W/S" at IMDs	Considering the shown "W/S" refers to "Workstation" kindly advice if Traction SCADA workstations shall be considered at these locations. According the Particular Specification (Volume 2) no further reference of any SCADA equipment at IMDs could be found.	Your understanding to read W/S as Work station is correct.  Please refer sub-clause 10.2(3) on page 759 of 887.  The Provisions of the Bidding Document are self-explanatory and shall prevail.
195	Part 4 Power Supply Schemes & SCADA Layouts Drg. (GC/DFCC/TR/ SCADA/701) ---Shown "Web Server" within separate network	Considering the shown "Web Server" is the relevant Traction SCADA web server as per the Particular Specification (Volume 2) article 10.1.2 (10) (o) kindly confirm that this must be also connected to the "Traction SCADA network" (e.g. by router/firewall).	Being a design & build contract General/Functional/ Performance requirements have been specified. The detailed design is in the scope of the contractor.  Please refer sub-clause 10.1.2(10) {o} on page 480 of 887 and sub-clause 10.2.1(n) on page 484 of 887.  The Provisions of the Bidding Document are self-explanatory and shall prevail.
196	Part 4 Power Supply Schemes & SCADA Layouts Drg. (GC/DFCC/TR/ SCADA/701) ---Shown "Training	As per the Particular Specification (Volume 2) article 10.1.2 (10) (h) and article 10.7.2 (c) a redundant server	The provisions of the Bidding Document are self-explanatory and shall prevail.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	Simulator System" within separate network	system with 2 terminals shall be considered to achieve the required availability. Please confirm that the shown "Training Simulator System" does not show the complete arrangement of the Traction SCADA Training Simulator System. Kindly advice whether the Training Simulator System can be also connected to the "Traction SCADA network" (e.g. by router/firewall).	
197	Part 4 Power Supply Schemes & SCADA Layouts Drg. (GC/DFCC/TR/ SCADA/701) ---Shown "Surveillance Workstation" and cameras at TSS	As per the Particular Specification (Volume 2) article 10.5.6 the Surveillance Workstation will be provide by other contractor. Only a "Client PC" will be provided as per article 10.5.7. According to the shown network configuration the only connection between this Surveillance Workstation and the cameras at TSS is through the Traction SCADA Servers. Kindly confirm that the Surveillance Workstation is connected through separated network to the Surveillance system and the related cameras.	The Surveillance system shall be provided by Contractor (CP-204). Please refer to reply at Sr. No. 172 also.
198	Part 2, Section VI, Volume 3, Page 23 of 149 Clause 4.2.9 (3) ---Where the Energy meters are provided for Residential	Please clarify if interfacing of these meters with auxiliary SCADA is required. If yes then this interfacing is only	The Provisions of the Bidding Document are self-explanatory and shall prevail.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	Quarters, these shall have digital energy meter which can exchange data from remote metering RF/GSM, of Class I accuracy and as per IS: 13779/99 (Latest Version) and IEC – 62056 DLM COSEM.	possible for 3 phase meter not for single phase meter.	
199	Part 4 Power Supply Schemes & SCADA Layouts Drg. (GC/DFCC/TR/ SCADA/701) -- Interface to VISULA Display Unit by CP-403	Contractor CP-403 is not clear. Please clarify.	Please refer Addendum No. 04, Sr. No.40.
200	ITB 21.1 of Bid Data Sheet ---The deadline for submission of First Stage Technical Proposals is: Date: 05.06.2015 Time: 15:00 Hrs	You will appreciate that the tender involves voluminous work with respect to the scope, specific route survey and site surveys. This also being a design and build contract, which involves detail studies and co- ordination between various agencies to derive a suitable solution towards submitting a technically complete offer. In view of the above, we request for an extension in bid submission by 15 weeks from 05.06.2015.	Please refer to response to query at Sr. No. 19.
201	Form CU We further undertake that the aforesaid tender drawings and documents prepared by Dedicated Freight <b>Container</b> Corporation Limited	We request you to modify as: We further undertake that the aforesaid tender drawings and documents prepared by Dedicated Freight <b>Corridor</b> Corporation Limited	Please Refer to Addendum No.04, Sr. No.6.

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	shall not be used in whole, in part or in any altered form on any other project, scheme, design or proposal that the bidder/ Joint Venture /Party to Joint Venture, Sub Contractors of the bidder or Joint Venture /parent company of Party to Joint Venture or the Bidder will be involved with either in India or in any other country.	shall not be used in whole, in part or in any altered form on any other project, scheme, design or proposal that the bidder/ Joint Venture /Party to Joint Venture, Sub Contractors of the bidder or Joint Venture /parent company of Party to Joint Venture or the Bidder will be involved with either in India or in any other country.	
202	Bidding Forms IFB Number and Date	Can we use the following details as IFB No. and Date? <b>HQ/EL/EC/D-B/Mughalsarai - New Bhaupur dt. 08.04.2015</b>	Yes
203	Form –UND, Form-LOB-FS, Form PER-2, Form-POA 1, Form-LOP Subject: Technical Proposal for Design, Supply, Construction, Installation, Testing and Commissioning of 2x25kV , AC Traction electrification, E&M and Associated Works of Double Track Railway Lines Under Construction, an a Design Build Lump Sum Basis for Mughalsarai - New Bhaupur Section of Eastern Dedicated Freight Corridor	We request you to modify as: Subject: Technical Proposal for Design, Supply, Construction, Installation, Testing and Commissioning of 2x25kV , AC Traction electrification, E&M and Associated Works of Double Track Railway Lines Under Construction, on a Design Build Lump Sum Basis for Mughalsarai - New Bhaupur Section of Eastern Dedicated Freight Corridor	Please Refer to Addendum No. 04, Sr. No.3.
204	27.1 (d) 27.1 The Second Stage Bid submitted by the	Since, this requirement is met through Clause 11.1(c) as a part of First Stage	Request not accepted The provisions of the Bidding Document shall

Sr. No.	Reference to Bidding Document	Clarification Sought by the Bidders	DFCC's Response
(1)	(3)	(4)	(5)
	Bidder shall comprise the following: (d) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 33.2;	Technical Submission proposal, we request you to delete this requirement from the Second Stage Bid Submittals.	prevail.