

“BALANCE WORKS OF DESIGN, SUPPLY, CONSTRUCTION, TESTING AND COMMISSIONING OF SIGNALLING, TELECOMMUNICATION AND ASSOCIATED WORKS ON DOUBLE TRACK RAILWAY LINES UNDER CONSTRUCTION ON A DESIGN BUILD LUMP SUM BASIS FOR DEEN DAYAL UPADHYAY – NEW BHAUPUR SECTION OF EASTERN DEDICATED FREIGHT CORRIDOR”

SIGNALLING & TELECOMMUNICATION WORKS CONTRACT PACKAGE 203(R)

ISSUED ON 27.08.2020

IFB No.: HQ/S&T/EC/D-B/DDU-BPUN

REPLY TO PRE-BID QUERIES

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
1.	<p>Part-1, Section-I, Instructions to Bidders 4.1 Eligible Bidders Page No. 12 of 638</p> <p>Part-1, Section-I, Instructions to Bidders 46.2 Page No. 36 of 638</p>	<p>A Bidder shall be a private, public or Govt. owned legal entity or any combination of them in the form of joint venture (JV) with a formal intent to enter into an agreement or under an existing agreement in the form of a Joint Venture (JV).</p> <p>46.2 “Bidder” (including the term ‘tenderer’, ‘consultant’ or ‘service provider’ in certain contexts) means any person or firm or company, including any member of consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person,</p>	<p>We request the Employer to also allow the Bidders to form a Consortium. We would like to highlight the following for your kind consideration:</p> <p>a) As per Clause 46.2 of Part-1, Section-I, Instructions to Bidders (Page no. 36 of 638) ‘Provisions regarding GFR 2017’, the ‘Bidder’ can be Member of consortium or joint venture.</p> <p>b) The past DFCC packages funded by JICA/ World Bank have also allowed the bidder to be either a JV or Consortium. Similarly, Indian Railway projects under the flagship of various Railway agencies also allow the bidder to be a Consortium.</p> <p>c) In either case of a bidder being a JV or Consortium, the parties shall be jointly and severally liable to the Employer (DFCCIL) for execution of the project.</p>	<p>Please refer to S.No. 1 & 3 of Addendum No. 2.</p>

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		participating in a procurement process.	<p>d) Restricting two interested companies willing to participate together only in the form of JV shall increase the risk perception and tax liabilities along with the complexities of long processes of statutory & legal compliances for both Indian & Foreign Partners.</p> <p>e) Even in case the selected Bidder is a Consortium, they shall submit the original copy of Consortium Agreement duly registered as per prevailing Law within 45 days of the receipt of the LOA to Authority. Thereby the tedious and long process of incorporation under Companies Act can be avoided.</p> <p>We, therefore, request the Employer to allow Consortiums to bid for this project.</p> <p>Accordingly, for all PQ forms pertaining to JV as defined in the Bid Documents shall be considered for Consortium.</p>	
2.	<p>Part-1, Section-III Evaluation and Qualification Criteria 2.3.1 (a) Specific Experience</p> <p>Page 45-47 of 638</p>	<p>i) The bidder/JV Firm or any member of the JV firm must have substantially completed in the last Ten previous financial years and the current financial year up to the date of invitation of Bid at least one single work for a minimum value of INR 183 Cr. (One Hundred Eighty-Three Crore) and involving all components mentioned below:-</p> <p>a) Signalling works on Railway/ Metro Rail/Suburban Rail transit system.</p> <p>b) Telecommunication works on Railway/</p>	<p>We understand that as per NOTE 3 defined in the referred clause, the composite work must meet minimum values for each component as set out in option 2.3.1 (a) (ii). The Contract Values as defined under this requirement are very difficult to meet for Indian Companies.</p> <p>Indian Railway/Metro Rail/ Suburban Rail Transit System Standalone Signalling tenders are not of this high value (Rs.146 Cr.) and no Indian Company will be able to meet this requirement on its own. This shall mandate the Indian Company to form a JV/ Consortium with Foreign</p>	<p>Request is not agreed.</p> <p>Please refer to S.No. 12 of Addendum No. 2.</p>

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		<p>Metro Rail/ Suburban Rail transit system.</p> <p>c) Civil/Building/Structure works.</p> <p>OR</p> <p>ii) The bidder/JV firm or any member of the JV firm must have substantially completed following works in the last Ten previous financial years and the current financial year up to the date of invitation of bid:-</p> <p>a) At least one contract having value of at least INR 146 Cr. (One Hundred Forty Six Crore) of Signalling works on Railways/ Metro Rail/Suburban Rail transit systems</p> <p>And</p> <p>b) At least one contract having value of at least INR 32 Cr. (Thirty Two Crore) of Telecommunication works on Railways/ Metro Rail/Suburban Rail transit systems.</p> <p>And</p> <p>c) At least one contract having value of at least INR 5 Cr. (Five Crore) of Civil/ building/ Structure works.</p> <p>And</p> <p>d) Aggregate value as a resultant of above (a), (b) and (c) must be at least INR 183 Crore.</p> <p>Note:</p> <p>1. Value of a completed work done by a Member in an earlier JV Firm shall be reckoned only to the extent of the concerned member's share in that JV Firm for the</p>	<p>Company only to comply with the eligibility criteria even though Indian Company could meet composite value contract requirement on its own comprising of all the three components (Signalling, Telecommunication and Civil Works)</p> <p>Further, we have noted that there was no such requirement in the past IR Funded System Works Contract Package - in New Karwandiya (Rly Km. 564) To Durgauti (Rly Km.630) Approx. 66 Kms dated 02.12.2011 and Mughalsarai To New Sonnagar And Chirailapathu Station dated 29.06.2017.</p> <p>Thus we request you to kindly remove NOTE 3 and allow the Bidder to meet the minimum value of INR 183 Cr through a Composite project also comprising of the three components (Signalling, Telecommunication and Civil Works) without insisting for meeting the specified minimum values for each of the three components respectively.</p>	

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		<p>purpose of satisfying his/her compliance of the above mentioned technical eligibility criteria in tender under consideration.</p> <p>2. The contract having components of (ii) a, (ii)b and (ii)c above can be separate contracts for each component or a contract comprising one or more components.</p> <p>3. In case of composite works contract, work must comprise different components for minimum values given in (ii)a, (ii)b and (ii)c above, for satisfying the eligibility criteria (ii) above</p>		
3.	2.3.1 (a) Specific Experience Part-1, Section-III Contract Package: CP-203(R) Evaluation and Qualification Criteria Page 44 of 638	<p>i) The bidder/JV Firm or any member of the JV firm must have substantially completed in the last Ten previous financial years and the current financial year up to the date of invitation of Bid at least one single work for a minimum value of INR 183 Cr. (One Hundred Eighty Three Crore) and involving all components mentioned below:-</p> <p>ii)</p> <p>a) Signalling works on Railway/ Metro Rail/Suburban Rail transit system.</p> <p>b) Telecommunication works on Railway/ Metro Rail/ Suburban Rail transit system.</p> <p>c) Civil/Building/Structure works.</p>	<p>We understand that any System (OHE, Signaling, Telecom etc.) / Composite (Civil, Building, Structure, OHE, Signaling, Telecom, Track etc.) work with Total project value of more than INR 183 Crs. shall qualify the given requirement provided it has all three components mentioned below in the scope of work of the contract:-</p> <p>a) Signalling works on Railway/ Metro Rail/Suburban Rail transit system.</p> <p>b) Telecommunication works on Railway/ Metro Rail/ Suburban Rail transit system.</p> <p>c) Civil/Building/Structure works.</p> <p>Kindly confirm our understanding.</p>	Bidder's understanding is partially correct, provided project is substantially completed and satisfies Note 3 under Clause 2.3.1(a) of Section III, Part-1 of Bid Document (Page 47 of 638)
4.	2.3.1 (a)	2.3.1 (a) Specific Experience	We take reference of the earlier IR Funded projects in New Karwandiya (Rly Km. 564) To	Provisions of Bid Document shall prevail. Specific and

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	Specific Experience Part-1, Section-III Contract Package: CP-203(R) Evaluation and Qualification Criteria Page 44 of 638		Durgauti (Rly Km.630) Approx. 66 Kms dated 02.12.2011 & Mughalsarai To New Sonnagar And Chirailapathu Station dated 29.06.2017. We understand that the description for 2.3.1 (a) "Specific Experience" should be changed to "Similar Construction Experience" . Kindly confirm and modify accordingly.	similar experience shall be considered as having same meaning.
5.	2.3.1 (c) Specific Experience Part-1, Section-III Contract Package: CP-203(R) Evaluation and Qualification Criteria Page 48 of 638	Each JV member must have substantially completed during the last Ten financial years and the current financial year up to the date of invitation of bid:- c) At least one contract having value of at least INR 1.2 Cr. (One Crore Fifty Lacs) of Civil/Building/Structure works.	There is an ambiguity in figures and words in point no. c) referred here, which says "contract having value of at least INR 1.2 Cr. (One Crore Fifty Lacs) ". Kindly confirm which value bidder should consider INR 1.2 Cr. or One Crore Fifty Lacs?	Please refer to S.No. 11 of Addendum No. 2.
6.	Part-1, Section-III Evaluation and Qualification Criteria General Notes: Clause No. (5) Point No. 3 &	<ul style="list-style-type: none"> All documents, either original copy or Photostat should be duly attested by Notary. The Bidder shall submit the work done certificates from the client(s) and/or Photostat of original certificates of client (s). All	Notarisation of non-legal documents is a major issue for Foreign companies. As per the current practice in various tenders only legal documents requires notarization, the other documents (like work experience certificates and payment receipt certificates) are acceptable with self-attestation only.	Provisions of Bid document shall prevail.

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	Clause No. (6) point No. 2 Page 52 of 638	documents, either original copy or photocopy should be duly attested by Notary	The above is widely accepted/followed by all govt. agencies including DFCCIL (in recent packages CP-105, 304 and 305) Hence, we request you to accept the same practice as followed in other DFCCIL packages (CP-105, 304 and 305) and modify the clause accordingly.	
7.	Part-1, Section-III Evaluation and Qualification Criteria General Notes: Clause No. (5) Page 52 of 638	In support of Form BDF-12 (Section IV) against eligibility criteria 2.2 the Bidders must submit: <ul style="list-style-type: none"> Certificate from client showing the details of payment received in a particular financial year, duly attested by Notary. and/or <ul style="list-style-type: none"> TDS certificate/the audited balance sheets and/or Photostat of TDS certificates/the audited balance sheets clearly indicating the contractual amount received. All documents, either original copy or Photostat should be duly attested by Notary. 	In support of the Form BDF-12 (Section IV) against eligibility criteria 2.2, the bidder requests to modify documents requirements as per the following : a) Self-attested copy of payment received in a particular financial year. b) Certificate by a Chartered Accountant verifying the payment received in a particular financial year. c) Audited balance sheets/Annual Reports for all the referred financial years. Kindly confirm.	Request not agreed. Provisions of Bid Document shall prevail.
8.	Part-1, Section-III Evaluation and Qualification Criteria	<ul style="list-style-type: none"> Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organization, work experience certificate 	We understand that the referred criteria is applicable only for Indian firms and not Foreign companies. Such practices are not followed in foreign	Please refer to S.No. 13 of Addendum No. 2.

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	<p>General Notes: Clause No. (6) point No. 3</p> <p>Page 52 of 638</p>	<p>issued by Public listed company having average annual turnover of Rs.500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated / registered at least 5 years prior to the date of opening of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates.</p> <ul style="list-style-type: none"> In case bidder submits work experience certificate issued by public listed company, the bidder shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate. 	<p>countries such as Japan, Europe etc. Therefore, foreign companies from these origins may only be able to submit an apostille copy of the work experience certificates.</p> <p>Therefore, we request to confirm and allow Foreign Bidder to submit the apostille copy of the work experience certificates.</p> <p>This will help bidders to submit the all the required certificate on time.</p>	
9.	<p>ITB 20.1 Part-1, Section-I, Bid Data Sheet</p> <p>Page 40 of 638</p>	<p>(iii) FDR/Banker's Cheque /Demand draft/Net Banking/Payment Gateway for Rs. 30 Lakh and Bank Guarantee on format (BDF-10) from Nationalised/ Indian Scheduled Commercial Bank for the balance amount.</p>	<p>Request you to kindly allow us to submit the bid security in total amount i.e. INR 5.2 crore (Rupees Five Crore Twenty Lakhs) in Bank Guarantee on format (BDF-10) from Nationalised/ Indian Scheduled Commercial Bank.</p>	<p>Please refer to S.No. 7 & 10 of Addendum No. 2.</p>

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10.	BDF-10 (Clause ITB-20; Section-I & II) Page 77 of 638	Form of Bid Security (Bank Guarantee) BANK GUARANTEE	As per the SBI Circular dated 02.04.2016, the Bank needs to add the “notwithstanding clause” in each Bank Guarantee. (Refer Annexure -1 attached herewith) In view of the same, we would request you to kindly allow the Bidders to submit the Bank Guarantee with the Notwithstanding Clause” added in the end of the Bank Guarantee.	Provisions of Bid Document shall prevail.
11.	BDF-17 Part-1, Section-I, Bidding Forms Page 86 of 638	PRE CONTRACT INTEGRITY PACT This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on-----day of the month of----- 20xx, between, on one hand, the DFCCIL acting through Shri ----- Designation of the officer, (hereinafter called the CLIENT, which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/s--- ----- represented by Shri -----Chief Executive Officer (hereinafter called the "BIDDER/SELLER" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second part.	Request you to kindly provide the details of the Name and Designation of the officer from Client side to be filled in the format for the preparation of Pre-Contract Integrity Pact.	Bidder shall submit the filled form with his proposal. Details of the Name and Designation of the officer from Client shall be filled by the Employer after opening of Bid. A copy of the same duly signed by client shall be returned to the bidders.
12.	Part-1 – Section – I – Instruction to Bidders - Page 9 of 638	1.3(b) Period of completion – 730 days from the date of commencement.	The milestones defined by the Employer is not viable because of the fact that in addition to the supply and installation of the balance works, the contractor shall also be mandated to assess the quality and quantity of existing supplies and installation works completed by previous	Please refer to S.No. 61 of Addendum No. 2.

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	<p>&</p> <p>Part-3 – Section – VIII – Particular Conditions of Contract- Page 597 of 638</p>	Sub-Clause 8.2 : Time for Completion	<p>contractor and accordingly modify their work plan as per need basis. These risks/ uncertainties cannot be evaluated during the pre-bid site visit and shall unfold only during execution. Hence the contractor shall need additional time to complete the works.</p> <p>We, therefore, request you to increase the period of completion to a from <u>730 days to a minimum of 1000 days</u>.</p> <p>Further, we also request you to modify the Milestone as per the original CP-203 Contract reproduced as below:</p> <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 Accepted Contract Amount.</p> <p>Note: 10% of the Accepted Contract Amount shall not include advance payment made to the contractor.</p> <p>Milestone-2: 600 (Six Hundred) days from the Commencement Date</p> <p>Prior to the occurrence of Milestone-2, the Contractor shall have completed</p>	

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			<p>(a) 75% of Laying of Outdoor Signalling & Telecom Cable and their Termination & Testing; and</p> <p>(b) Supply of S&T equipment and its progressive installation entitling him a payment of at least 40% of Accepted Contract Amount.</p> <p>Note: 40% of the Accepted Contract Amount shall not include advance payment made to the contractor.</p> <p>Milestone-3: 800 (Eight Hundred) days from the Commencement Date</p> <p>Prior to the occurrence of Milestone-3, the Contractor shall have completed</p> <p>(a) 90% of Laying of Outdoor Signalling & Telecom Cable and their Termination & Testing; and</p> <p>(b) Supply of S&T equipment and its progressive installation entitling him a payment of at least 65% of Accepted Contract Amount.</p> <p>Note: 65% of the Accepted Contract Amount shall not include advance payment made to the contractor.</p> <p>Milestone 4: 1000 days (One Thousand) days from the Commencement Date</p> <p>Prior to the occurrence of Milestone-4, the</p>	

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			Contractor shall have Completing all works as per the contract to enable certification including Integrated Testing & Commissioning and certification by an authority nominated by employer and taking over the entire works.	
13.		General	We understand that Reply to Queries shall also be made part of the Contract document. Kindly confirm.	Reply to Queries shall not be part of the contract agreement.
14.	Part 3, Section VII, Particular Conditions of Contract Appendix to tender Page 614 of 638	The Employer shall pay on written request by the Contractor a Mobilization Advance up to (Ten) 10 per cent of the Contract Price at an interest rate of 10% per annum.	We request to provide Interest Free Mobilisation Advance similar to other DFCC Projects.	Request not accepted. Provisions of Bid Document shall prevail.
15.	Part 3, Section VII, Particular Conditions of Contract Page 588 of 638	1.9 Errors in Employer's Requirements (b) Payment of any such Cost plus reasonable profit, which shall be included in the Contract Price.	We request you to specify the reasonable profit percentage that shall be payable to the contractor as 15% for clarity.	Provisions of bid document shall prevail.
16.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 241 of 638	APPENDIX – 15 : Details of Works Already Executed : Following materials will be given free of cost to the contractor against Indemnity Bond from the nominated depot except Video Wall which is installed at OCC	We request the Employer to inform the make, date of inspection and deliveries of lot wise supplies of the following: 1. Quad Cables. 2. Signalling Cables. 3. Power Cables	Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E). Please also refer to S.No. 28 & 68 of Addendum No. 2

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			4. OFC. 5. MSDAC 6. Video Wall Screen The inspection certificate for each lot shall also be made part of the tender documents.	
17.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 241 of 638	APPENDIX – 15 : Details of Works Already Executed : Following materials will be given free of cost to the contractor against Indemnity Bond from the nominated depot except Video Wall which is installed at OCC	We request the Employer to clarify the following : 1. Is the bidder bound to supply balance MSDAC of the same make (Frauscher) or can choose the any other approved supplier? 2. Is the bidder allowed to use the Frauscher MSDAC (Free issued) along with MSDAC of other any other make? 3. Is the bidder bound to supply Video Wall screens (if required) of the same make or can choose any other approved supplier?	<p>Please refer to S.No. 28 & 68 of Addendum No. 2</p> <p>Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor.</p>
18.	Part 2, Section V(A), Volume 6, General Specification Appendix 15	APPENDIX – 15 : Details of Works Already Executed : Following materials will be given free of cost to the contractor against Indemnity Bond from the nominated depot except Video Wall which is installed at OCC	The current GoI guidelines restrict the supplies from a country which shares a land border with India unless such contractor/vendor is registered with the Competent Authority. We understand that irrespective of these	The materials supplied by DFCCIL can be used for this project without any restriction. However, for balance/new supply of materials provision of bid document regarding GOI

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	Pg. 241 of 638		<p>guidelines, the free issue material of different makes which may be approved / unapproved from RDSO at the time of handover/ execution may continue to be used for this project.</p> <p>Kindly confirm our understanding.</p>	guidelines and provisions of Employer's Requirement shall prevail.
19.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 241 of 638	APPENDIX – 15 : Details of Works Already Executed : Following materials will be given free of cost to the contractor against Indemnity Bond from the nominated depot except Video Wall which is installed at OCC	We request the employer to furnish all the Test reports/ Inspection Certificates of the free issue materials and RFIs of the completed/executed works.	Successful Bidder shall have to interface with Engineer.
20.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 241 of 638	APPENDIX – 15 : Details of Works Already Executed : Following materials will be given free of cost to the contractor against Indemnity Bond from the nominated depot except Video Wall which is installed at OCC	We request the Employer to furnish the warranty period and warranty period obligations of free issue materials as per Appendix-15.	Successful Bidder shall have to interface with Engineer.
21.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 241 of 638	APPENDIX – 15 : Details of Works Already Executed : Following materials will be given free of cost to the contractor against Indemnity Bond from the nominated depot except Video Wall which is installed at OCC	<p>The free issue material has been lying in the stores for months and the contractor cannot know its usability unless the materials are tested. Site visit is not the accurate method to justify the quality of these free issue materials (cables, MSDAC etc). These need to be checked using RDSO approved testing methodologies.</p> <p>As observed during the site visit, most of the cable drums are kept in open and shall remain</p>	Request not accepted. Please refer S.No. 28 & 68 of Addendum No. 2.

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			<p>so till the handover of the free issue material to the contractor which may take up to 6 more months. We request the Employer to clarify the following:</p> <ol style="list-style-type: none"> 1. The modality/methodology for checking/testing the quality and quantity of the material. 2. The modality to be adopted in case of failure of any of the free issue material during checking/testing before handover. 3. Modality to be adopted in case of any surplus material during checking. <p><u>We propose you to incorporate new line items in the existing price schedule giving the list of free issue material in a manner that the bidder is allowed to quote the unit rates of these items which shall be used for compensating the bidder during execution stage in case the free issue material are found to be not usable and are to be supplied by the Contractor.</u></p>	
22.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 241 of 638	APPENDIX – 15 : Details of Works Already Executed : Following materials will be given free of cost to the contractor against Indemnity Bond from the nominated depot except Video Wall which is installed at OCC	Based on the various risks pertaining to existing supplies and uncertainty of the executed works, we propose that the Employer should indemnify the contractor for cost and time for any faulty/unusable supplies, installation, erection, and civil works done by past contractor.	Free issue material shall be dealt as per GCC clause 4.20. For works already executed please refer to S.No. 60 of Addendum No. 2.

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			<p>Clearly, the designated contractor cannot be held responsible for any faults in the system due to the poor workmanship/ deterioration of past supplies/execution.</p> <p>We request the Employer to amend the clause suitably to indemnify CP-203(R) contractor for all past supplies and executed works for CP-203 project.</p>	
23.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 241 of 638	APPENDIX – 15 : Details of Works Already Executed : Following materials will be given free of cost to the contractor against Indemnity Bond from the nominated depot except Video Wall which is installed at OCC	<p>In continuation to Query no. 22 above, we request the Employer to arrange indemnification to the CP-203R contractor from all the vendors and service providers involved in CP-203 contract. This indemnification is requested to safeguard the interests of the CP-203R contractor from any claims/dispute/obligations by vendors and service providers of the terminated contract for CP-203.</p> <p>We request the Employer to amend the clause suitably.</p>	At this stage, no such hindrances are anticipated. The legal implication, if any, arising out of termination of CP 203 contract shall be between DFCCIL and CP-203 Contractor. All other law & order situations at site shall be dealt in accordance with contract provisions.
24.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 241 of 638	APPENDIX – 15 : Details of Works Already Executed : Following materials will be given free of cost to the contractor against Indemnity Bond from the nominated depot except Video Wall which is installed at OCC	<p>We understand that warranty of most of the supplied materials may have expired and any agreement between the past contractor and the respective vendors shall not hold good for the designated contractor of CP-203(R).</p> <p>Any defects in such supplies and systems may kindly be rectified by DFCCIL on their own accord.</p>	<p>Request not accepted. Provisions of Bid Document shall prevail.</p> <p>Free issue material shall be dealt as per GCC clause 4.20.</p> <p>For works already executed please refer to S.No. 60 of Addendum No. 2.</p>

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			We, therefore, request the Employer to remove the DLP obligations for the supplies/ installation by the previous contractor.	
25.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 241 of 638	APPENDIX – 15 : Details of Works Already Executed : Following materials will be given free of cost to the contractor against Indemnity Bond from the nominated depot except Video Wall which is installed at OCC	<p>During the site visit to Warehouses on 10th Sep 2019, it was observed that many of the cable drums had 'X' mark in red colour on them. We understand that those cables are not in working condition and are not included in cable quantities of Appendix-15.</p> <p>We have also observed loose cables during the visit. We understand that those cables are also not in working condition and are not included in cable quantities of Appendix-15.</p>	<p>Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).</p> <p>Free issue material shall be dealt as per GCC clause 4.20.</p>
26.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 241 of 638	APPENDIX – 15 : Details of Works Already Executed : Following materials will be given free of cost to the contractor against Indemnity Bond from the nominated depot except Video Wall which is installed at OCC	<p>During the site visit to Warehouses on 10th Sep 2019, other materials apart from what is mentioned in Appendix-15 were also shown. Those include but not limited to – IPS, SSDAC, Various Relays, Indoor Cables, HDPE Duct, CLS Post, LEDs etc.</p> <p>Kindly confirm the status of those materials. Whether or not they will be free issued to the contractor.</p>	<p>The materials enlisted as free issue materials in the Bid Document in Appendix-15, General Specifications and Part 5, Price Schedule shall only be handed over to the CP-203R contractor after award of contract.</p> <p>Please refer to S.No. 28 & 68 of Addendum No. 2.</p>
27.	Part 2, Section V(A), Volume 6, General Specification	LIST OF EXECUTED S&T WORKS : Signalling Cable Laying- This includes cables of various sorts laid in trench stretch of 45 Km.	During the site visit day-2 on 10 th Sep 2019 to Ekari section, it was observed that the existing trenches does not have any cable route markers. As per further discussions during site visit, it was confirmed by PMC that Cable route	Successful Bidder shall have to interface with Engineer.

SN	Reference to Bid Document	Brief Description of Clause				Query	Reply																					
	Appendix 15 Pg. 242 of 638					markers have not been installed at all locations. In view of the same, bidder requests to provide the approved Cable Route Plan (CRP) in order to understand the route of the existing trenches.																						
28.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 242 of 638	<table><tr><th>Sl.No.</th><th>Description</th><th>Quantity (Approx.)</th><th>Remark</th></tr><tr><td>1</td><td>Signalling Cable Laying</td><td>530 Km</td><td>This includes cables of various sorts laid in trench stretch of 45 Km.</td></tr></table>				Sl.No.	Description	Quantity (Approx.)	Remark	1	Signalling Cable Laying	530 Km	This includes cables of various sorts laid in trench stretch of 45 Km.	From the referred table we understand that 530Kms. of various sorts of cables have been laid in trench stretch of 45 Kms. Bidder requests to provide the approved Cable Core Plan (CCP) and Cable Route Plan (CRP) in order to understand the type and utility of cables laid.		Successful Bidder shall have to interface with Engineer.												
Sl.No.	Description	Quantity (Approx.)	Remark																									
1	Signalling Cable Laying	530 Km	This includes cables of various sorts laid in trench stretch of 45 Km.																									
29.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 242 of 638	LIST OF EXECUTED S&T WORKS : <table><tr><th>Sl.No.</th><th>Description</th><th>Quantity (Approx.)</th><th>Remark</th></tr><tr><td>1</td><td>Signalling Cable Laying</td><td>530 Km</td><td>This includes cables of various sorts laid in trench stretch of 45 Km.</td></tr><tr><td>2</td><td>HDPE Duct laying for OFC</td><td>1200 Km</td><td>Laid in two different trench stretch of 600 Km. Each trench has two HDPE ducts.</td></tr><tr><td>3</td><td>OFC blowing through HDPE Duct</td><td>400 Km</td><td>Laid in two different trench stretch of 200 Km. Each trench has two OFC in HDPE ducts.</td></tr><tr><td>4</td><td>Video wall screens at OCC</td><td>48 Nos</td><td>36 Nos for TMS and 12 Nos for SCADA.</td></tr></table>				Sl.No.	Description	Quantity (Approx.)	Remark	1	Signalling Cable Laying	530 Km	This includes cables of various sorts laid in trench stretch of 45 Km.	2	HDPE Duct laying for OFC	1200 Km	Laid in two different trench stretch of 600 Km. Each trench has two HDPE ducts.	3	OFC blowing through HDPE Duct	400 Km	Laid in two different trench stretch of 200 Km. Each trench has two OFC in HDPE ducts.	4	Video wall screens at OCC	48 Nos	36 Nos for TMS and 12 Nos for SCADA.	a) In case the Contractor find that the cables laying is not in line with the approved CCP/CRP , then the contractor must be compensated with extra cost and time for additional work in excavating and removing the existing cable. We request you to kindly confirm the same. b) <u>We propose you to incorporate new line items in the existing price schedule giving the list of executed S&T works in a manner that the bidder shall quote the unit rates of for additional work in excavating and removing the existing cable which will be used for compensating the bidder during execution stage during execution stage</u>		Request not accepted. Provision of Bid Document shall prevail. Please also refer to S.No. 60 of Addendum No. 2.
Sl.No.	Description	Quantity (Approx.)	Remark																									
1	Signalling Cable Laying	530 Km	This includes cables of various sorts laid in trench stretch of 45 Km.																									
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SN	Reference to Bid Document	Brief Description of Clause	Query	Reply																				
			<p><u>in case the executed S&T works are found not to be in line with the approved CCP/CRP.</u></p> <p>c) In case the Contractor has to perform any additions tests / retests of the free issue supplies and executed works, the same shall be compensated at actuals. Kindly confirm.</p>																					
30.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 242 of 638	<p>LIST OF EXECUTED S&T WORKS :</p> <table><tr><th>Sl.No.</th><th>Description</th><th>Quantity (Approx.)</th><th>Remark</th></tr><tr><td>1</td><td>Signalling Cable Laying</td><td>530 Km</td><td>This includes cables of various sorts laid in trench stretch of 45 Km.</td></tr><tr><td>2</td><td>HDPE Duct laying for OFC</td><td>1200 Km</td><td>Laid in two different trench stretch of 600 Km. Each trench has two HDPE ducts.</td></tr><tr><td>3</td><td>OFC blowing through HDPE Duct</td><td>400 Km</td><td>Laid in two different trench stretch of 200 Km. Each trench has two OFC in HDPE ducts.</td></tr><tr><td>4</td><td>Video wall screens at OCC</td><td>48 Nos</td><td>36 Nos for TMS and 12 Nos for SCADA.</td></tr></table>	Sl.No.	Description	Quantity (Approx.)	Remark	1	Signalling Cable Laying	530 Km	This includes cables of various sorts laid in trench stretch of 45 Km.	2	HDPE Duct laying for OFC	1200 Km	Laid in two different trench stretch of 600 Km. Each trench has two HDPE ducts.	3	OFC blowing through HDPE Duct	400 Km	Laid in two different trench stretch of 200 Km. Each trench has two OFC in HDPE ducts.	4	Video wall screens at OCC	48 Nos	36 Nos for TMS and 12 Nos for SCADA.	<p>The approximate quantity as specified in 3rd column of the illustrated table doesn't matches with the details of the trenching, ducting and OFC Blowing works for various trenches as specified in the subsequent tables.</p> <p>We request to kindly confirm and reconcile the figures.</p>	The quantities given are approximate.
Sl.No.	Description	Quantity (Approx.)	Remark																					
1	Signalling Cable Laying	530 Km	This includes cables of various sorts laid in trench stretch of 45 Km.																					
2	HDPE Duct laying for OFC	1200 Km	Laid in two different trench stretch of 600 Km. Each trench has two HDPE ducts.																					
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31.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 242 of 638	<p>LIST OF EXECUTED S&T WORKS :</p> <table><tr><th>Sl.No.</th><th>Description</th><th>Quantity (Approx.)</th><th>Remark</th></tr><tr><td>1</td><td>Signalling Cable Laying</td><td>530 Km</td><td>This includes cables of various sorts laid in trench stretch of 45 Km.</td></tr><tr><td>2</td><td>HDPE Duct laying for OFC</td><td>1200 Km</td><td>Laid in two different trench stretch of 600 Km. Each trench has two HDPE ducts.</td></tr><tr><td>3</td><td>OFC blowing through HDPE Duct</td><td>400 Km</td><td>Laid in two different trench stretch of 200 Km. Each trench has two OFC in HDPE ducts.</td></tr><tr><td>4</td><td>Video wall screens at OCC</td><td>48 Nos</td><td>36 Nos for TMS and 12 Nos for SCADA.</td></tr></table>	Sl.No.	Description	Quantity (Approx.)	Remark	1	Signalling Cable Laying	530 Km	This includes cables of various sorts laid in trench stretch of 45 Km.	2	HDPE Duct laying for OFC	1200 Km	Laid in two different trench stretch of 600 Km. Each trench has two HDPE ducts.	3	OFC blowing through HDPE Duct	400 Km	Laid in two different trench stretch of 200 Km. Each trench has two OFC in HDPE ducts.	4	Video wall screens at OCC	48 Nos	36 Nos for TMS and 12 Nos for SCADA.	<p>We understand that the free issue material quantity as shown in Appendix-15 does not include the quantity already executed at site. The free issue material is over and above the executed quantities.</p> <p>Kindly confirm.</p>	Bidder's understanding is correct.
Sl.No.	Description	Quantity (Approx.)	Remark																					
1	Signalling Cable Laying	530 Km	This includes cables of various sorts laid in trench stretch of 45 Km.																					
2	HDPE Duct laying for OFC	1200 Km	Laid in two different trench stretch of 600 Km. Each trench has two HDPE ducts.																					
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4	Video wall screens at OCC	48 Nos	36 Nos for TMS and 12 Nos for SCADA.																					
32.	Part 5 Price Schedule Page 10 of 38 &	Price Schedule C2 : SIGNALLING WORKS AT 6 CROSSING STATIONS	As defined in Column 6 (Cost) of the illustrated figure, for One Crossing Station, the Apportioned price is 11% / n, where n is number of Crossing Stations.	Please refer to S.No. 69 of Addendum No. 2.																				

SN	Reference to Bid Document	Brief Description of Clause							Query	Reply								
	Page 12 of 38	<table><tr><td>Cost Centre</td><td>Item of Work</td><td>Sub-Cost Centre</td><td>Stage Payment (Stage to be completed to qualify for payment of Sub-Cost Centre)</td><td>Weightage (%)</td><td>Cost</td><td>Payment Procedure</td></tr><tr><td>(1)</td><td>(2)</td><td>(3)</td><td>(4)</td><td>(5)</td><td>(6)</td><td>(7)</td></tr></table>	Cost Centre	Item of Work	Sub-Cost Centre	Stage Payment (Stage to be completed to qualify for payment of Sub-Cost Centre)	Weightage (%)	Cost	Payment Procedure	(1)	(2)	(3)	(4)	(5)	(6)	(7)	However, as per Price Schedule C : Apportionment of Contract Price for Signalling Works , the cost weightage for Signalling Works at 6 Crossing stations has been mentioned as 10% only. We request the Employer to reconcile the cost weightage and confirm.	
Cost Centre	Item of Work	Sub-Cost Centre	Stage Payment (Stage to be completed to qualify for payment of Sub-Cost Centre)	Weightage (%)	Cost	Payment Procedure												
(1)	(2)	(3)	(4)	(5)	(6)	(7)												
33.	Part 2, Section V(A) Vol 6, General Specifications (Appendices) Pg. No. 248 of 638	Relay Huts (RHs) to be constructed by contractor							We understand that Relay Hut requirement at DDU station is not yet confirmed. We request the Employer to clarify the requirement for estimation purpose.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The Relay Hut requirement at DDU station shall be decided by Contractor with the approval of Engineer.								
34.	Part 2, Section V(A) Vol 2, General Specifications Clause 1.0 (1) Pg. No. 115 of 638	The work under the scope of this bid consists of Balance works of design, supply, construction, installation, of Signaling & Telecommunication and associated works including testing and commissioning for double track electrified railway line on design build lump sum basis from Deen Dayal Upadhyay–New Bhaupur Section of Eastern Dedicated Freight Corridor. The Employer requires that these works are designed and constructed to the highest standard using proven upto date good practices.							We request the Employer to confirm the following : a) Will all the designs which have already been approved by the Employer / PMC for CP-203 project be treated as valid and hold good for this tender/ contract as well? b) If Yes, Can the successful bidder use those approved designs and continue design activities from the last approved stage. This shall be helpful in expediting the project timelines.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The design is in the scope of Contractor.								

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
35.	Part 2, Section V(B) , Volume 7, Particular Specification Signalling Works Clause 2.1.4 Pg. 260 of 638	It is anticipated that Centralized Traffic Control (CTC) and Train Protection Warning System (TPWS) may be required in the future, therefore system provided under this contract shall be designed as demonstrable to be "future proofed" for the same.	We understand that the Signalling System to be provided as per requirements defined in the bid document needs to be upgradable to suit CTC and TPWS requirement. However, we assume that the Software and necessary modification to make CTC operational and modification pertaining to TPWS is out of the scope of this project. Kindly confirm our understanding.	Provisions of Bid Document are sufficiently clear.
36.	Part 2, Section V(B) , Volume 7, Particular Specification Signalling Works Clause 2.1.5 Pg. 260 of 638	The System shall be designed in such a manner that the failure of a single item of equipment shall not cause loss of overall system functionality. The use of redundancy, hot standby and cold standby shall be considered in accordance with meeting the system objectives.	We understand that the various Signalling systems shall be provided as per their respective functional & technical requirements. For example: The redundancy of the MSDAC shall be as per 2.2.5 (2) (g) & (h) Pg.268 of 638. Kindly confirm our understanding.	Provisions of Bid Document are sufficiently clear and shall prevail.
37.	Part 2, Section V(B) , Volume 7, Particular Specification Signalling Works Clause 2.2.2 (2)(d)(vi) Pg. 263 of 638	Emergency sockets shall be installed on the Signal posts under PS (Telecommunications) Vol. 8, Section V(B), Part 2 .	We understand that the Emergency sockets shall be installed on the Signal posts (Home signals in stations & Automatic/Semi-automatic Signals in Block Section). Kindly confirm our understanding.	Provisions of Bid Document are sufficiently clear and shall prevail.
38.	Part 2, Section V(B) , Volume 7, Particular Specification Signalling Works	Object controller/EI of distributed Interlocking for station yards shall be provided.	We understand that Distributed EI has to be provided at all stations. Kindly provide the room layout (approved if there) for the RH so that same can be reviewed	Provisions of Bid Document are sufficiently clear and shall prevail. Please refer Typical GAD of RH appended at Part-4,

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Clause 2.2.2 (2)(d)(vi) Pg. 264 of 638		for the room size feasibility and space provisions of the equipment in line with the Bid document.	reference document where indicative sizes of various rooms are specified. Please also refer to S.No. 58 & 59 of Addendum No. 2
39.	Part 2, Section V(B) , Volume 7, Particular Specification Signalling Works Clause 2.2.3 (4)(a) Pg. 265 of 638	The Alignment Plans Yard plans and Signal interlocking plans (SIP) have been provided under Part 4 – Reference documents. These shall be reviewed and revalidated by the contractor from Signalling & Interlocking point of view.	We understand that the SIP provided for 11 stations & 12 Block sections have already been approved by the Competent Authority and there will be no change in the same. Kindly confirm our understanding.	The SIPs provided in Part-4, Reference Documents are indicative. Being a design and build contract the design is in the scope of Contractor. These SIPs shall be reviewed and revalidated by the contractor from Signalling & Interlocking point of view.
40.	Part 2, Section V(B) , Volume 7, Particular Specification Signalling Works Clause 2.2.5 (1)(b) Pg. 267 of 638)	The track vacancy detection technique shall use Digital Axle Counter technology as a primary means of train detection. Where required, a secondary means of track vacancy detection can be used to supplement the primary means with the approval of the Engineer.	a) Kindly clarify the meaning of “secondary means of track detection”. b) We understand that for MSDAC, the redundancy shall be as per 2.2.5 (2) (g) & (h) Pg 268 of 638 and MSDAC is to be provided as per RDSO/SPN/176/2013 with latest amendment. Kindly confirm our understanding.	a) Provisions of Bid Document are sufficiently clear. b) Please refer to S.No. 28 & 68 of Addendum No. 2.
41.	Part 2, Section V(B), Volume 7, Particular	High availability Single Section Digital Axle Counter (HASSDAC) as per RDSO specification no. RDSO/SPN/177/2012 with	We understand that the High availability Single Section Digital Axle Counter (HASSDAC) as per RDSO specification no. RDSO/SPN/177/2012	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Specification Signalling Works Clause 2.2.5 (2)(c) Pg. 268 of 638	latest amendment and shall be procured from RDSO approved Vendor as per Para 4.3 of this Particular specification. SSDAC shall be provided on single lines connecting DFCCIL and IR Junction stations that are provided with Absolute block working.	with latest amendment is required to be provided for absolute/slot working with IR. And SSDAC won't be used for track vacancy detection. Kindly confirm our understanding.	
42.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works Clause 2.2.5 (2) (j) (iv) Pg. 269 of 638	One spare set of card(s) fully programmed with site specific application/configuration data shall be provided at each site. This shall be over and above the contract spares provide under Para 8.2.7.	We understand that by One spare set of card(s) fully programmed with site specific application/configuration data, the Employer refers to the CPU cards. MSDAC DPs provided as per Part 2, Section V(A), Volume 6, General Specification (Appendices)-Appendix 15 (a) -8 (pg. 241 of 638) includes the provision of the card as per this clause. Kindly clarify on the above requirement.	Provisions of Bid Document are sufficiently clear. Please refer to S.No. 28 & 68 of Addendum No. 2.
43.	Part 2, Section V(B) , Volume 7, Particular Specification Signalling Works Clause 2.2.6 (1)(i) Pg. 271 of 638	The gateman shall be provided with audio visual 'Train Approach Warning' indication from a distance of at least 6 Kms on DFCCIL lines. In case of Emergency Gateman will put the road traffic signal to "RED" aspect by turning road signal switch to reverse position provided on CCIP.	Kindly confirm whether the approach warning is 6 Km.	Provisions of Bid Document are sufficiently clear.
44.	Part 2, Section V(B) , Volume 7,	A common indication panel shall be provided in the new gate hut, where in indication for the	We understand that by the phrase "occupation / clearance of the controlling track circuits up to	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Particular Specification Signalling Works Clause 2.2.6 (1)(k) Pg. 271 of 638	'ON' and 'OFF' aspects of gates signals (wherever provided) for both the systems (IR and DFCCIL) as also the occupation / clearance of the controlling track circuits up to the point of approach warning shall be displayed..... At all stages necessary coordination shall be done by Contractor	the point of approach warning", the Employer refers to all the track section within 6 Km from the gate. Kindly confirm.	Please also refer Clause 2.2.3(1) of PS Signalling Works (Page 263 of 638).
45.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works Clause 2.2.10 (1) (i) (ix) Pg. 279 of 638	(ix) Colour light LED Signal: <ul style="list-style-type: none"> Current drawn beyond range. Signal lamp lit due to faulty voltage. 	We understand that by Colour Light LED signal, the Employer is referring to only Main Aspect (R/Y/G/YY) of the Signal. Kindly confirm.	Provisions of Bid Document are sufficiently clear.
46.	Part 2, Section V(B) , Volume 7, Particular Specification Signalling Works Clause 5.3.1 (8) Pg. 339 of 638	The DWC-HDPE pipe/duct used for protection of Signalling cables below the track or any other place shall be supplied to RDSO specification RDSO/SPN/204/2011.	Bidder's understanding is that DWC/HDPE pipe shall be used in case of Track/Road crossing only. Kindly clarify.	Provisions of Bid Document are sufficiently clear and works need to be executed accordingly.
47.	Part 2, Section V(B) , Volume 7, Particular Specification Signalling Works Clause 5.2.2 (3)	The Signalling Equipment rooms and Signalling Power supply equipment rooms for housing the Central Interlocking Unit at Stations are being built under CP 201 & 202 as part of Station building.	Kindly provide the Room layout depicting size of various rooms for ALH/RH for assessing whether the space provided is sufficient or not.	Please refer Typical GAD of ALH & RH appended at Part-4, reference document where indicative sizes of various rooms are specified.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Pg. 336 of 638	The additional building if any, required for housing object controller/EI of distributed interlocking at the Station shall be built by the Contractor.		
48.	Part 2, Section V(B) , Volume 7, Particular Specification Signalling Works Clause 5.3.7 (1) Pg. 342 of 638	The cables may be laid underground, either in the trench, in ducts, in cement troughs, in pipes or in any other approved manner.	Bidder understands that Signalling Cable/Quad/power Cables are to be laid in Trenches in Station & Block Sections. We understand that Cables are not required to be laid in RCC ducts. Kindly confirm.	Provisions of Bid Document are sufficiently clear.
49.	Part 2, Section V(B) , Volume 7, Particular Specification Signalling Works Clause 5.3.7 (12) Pg. 342 of 638	The cables used for providing redundancy/ring circuit in signalling circuits shall be laid in different trenches/ducts, separated by DFCCIL/IR track(s).....Wherever 4 meters separation is not available/ achievable, the cable laying shall be done as proposed by the Contractor and approved by the Engineer.	a) We understand that a common trench can be made for signalling (redundant) cables as observed during site visit on 10th Sep 2020. The previous contractor has laid all signalling cables in one trench. Kindly confirm. b) We also understand that there is no requirement of HDD along the route. Kindly clarify.	Provisions of Bid Document are sufficiently clear.
50.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works Clause 5.4.5 (4) (C) (ii) Pg. 355 of 638	ii) These devices shall preferably have an indication function to indicate the prospective life and failure mode to facilitate the replacement of failed SPDs.This protection shall be in compliance to IEC 61643-21 & VDE 0845 Pt. 3 with the following characteristics:	a) Kindly provide the specification for 110 V SPD to be provided at the Signal lighting/point inputs if it is required. b) In absence of the above, the bidder shall assume that 110 V SPD is not required. Kindly confirm our understanding.	Provisions of Bid Document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause					Query	Reply																														
		<table><tr><td>Nominal Voltage (U₀)</td><td>5 V</td><td>12 V</td><td>24 V</td><td>48 V</td></tr><tr><td>Arrestor Rated voltage (U_c)</td><td>6 V</td><td>13 V</td><td>28 V</td><td>50 V</td></tr><tr><td>Rated Load current (I_L)</td><td>≥250 mA</td><td>≥250 mA</td><td>≥250 mA</td><td>≥250 mA</td></tr><tr><td>Total discharge current 8/20 μs (I_n)</td><td>≥20 kA</td><td>≥20 kA</td><td>≥20 kA</td><td>≥20 kA</td></tr><tr><td>Lightning test current 10/350 μs</td><td>≥2.5 kA</td><td>≥2.5 kA</td><td>≥2.5 kA</td><td>≥2.5 kA</td></tr><tr><td>Voltage protection level (U_p)</td><td>≤ 10 V</td><td>≤ 18 V</td><td>≤ 30 V</td><td>≤ 70 V</td></tr></table>					Nominal Voltage (U ₀)	5 V	12 V	24 V	48 V	Arrestor Rated voltage (U _c)	6 V	13 V	28 V	50 V	Rated Load current (I _L)	≥250 mA	≥250 mA	≥250 mA	≥250 mA	Total discharge current 8/20 μs (I _n)	≥20 kA	≥20 kA	≥20 kA	≥20 kA	Lightning test current 10/350 μs	≥2.5 kA	≥2.5 kA	≥2.5 kA	≥2.5 kA	Voltage protection level (U _p)	≤ 10 V	≤ 18 V	≤ 30 V	≤ 70 V		
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51.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 (a) Pg. 241 of 638	MSDAC Equipment (Frauscher Make)-DP's 280					a) We understand that if required other MSDAC OEM equipments can be installed along with the Frauscher make. b) Kindly provide the details of the associated equipment of MSDAC (along with Cards) supplied so far by the previous contractor.	Please refer to S.No. 28 & 68 of Addendum No. 2.																														
52.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 241 of 638	S&T Material					The Bidder has observed during site visit that some other items has been also supplied in addition to the List provided in Appendix 15 of the Bid Documents. Kindly confirm the following : a) Will these items be also free issue material? If So, kindly provide the details of these materials. b) Additionally, kindly also provide the warranty details of each such items given by the earlier vendors.	a) The materials enlisted as free issue materials in the Bid Document in Appendix-15, General Specifications and Part 5, Price Schedule shall only be handed over to the CP-203R contractor after award of contract. b) Successful Bidder shall have to interface with Engineer.																														

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
53.	Part 2, Section V(A), Volume 6, General Specification Appendix 15 Pg. 241 of 638	Supply of S&T Material	<p>a) Kindly confirm that at the time of handover of the S&T Materials (cables included) the inspection will be arranged by the Employer in presence of contractor and reports of the same shall be shared.</p> <p>b) Additionally, kindly also confirm that in case any free issued material is found to be faulty during inspection / handover, then the contractor shall be financially compensated against submitted bills for procurement of new material in place of defective material and additional timelines shall be considered for design approval and procurement of such materials.</p>	<p>Provisions of Bid Document is sufficiently clear.</p> <p>Free issue material shall be dealt as per GCC clause 4.20.</p>
54.	Part 2 Section VI, Volume 8 PS Telecom Clause 4.1.6 Pg. 450 of 638	During the Preliminary Design, the Contractor shall prepare System Requirement Specifications (SRSs) for each Sub-system and submit to the Engineer for review, which includes, as a minimum, operational, functional, performance and design requirements. System Requirement Specification shall serve as Contractor's top level design document & shall state all the requirements completely and unambiguously and how each requirement can be verified and validated.	<p>a) Kindly confirm whether all design starting from preliminary design will have to be done afresh or otherwise.</p> <p>b) In case, existing design will be followed, request to share all the approved Designs / Drawings / Documents(Preliminary, Detailed, Installation, Management Plans).</p> <p>c) In case, existing design will be followed, we request you to share all the approved OEM details for Telecom Sub- System.</p>	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The design is in the scope of Contractor.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
55.	General		We request the Employer to share the approved building layouts, Equipment layouts, Conduiting Plans for all Station buildings, ALH locations, Relay Huts, LC gates, GSM-R Location & Co-located location of GSM-R with ALH at detour, IR Locations, IMD, IMSD.	Typical GAD of Junction Station, Crossing Station, IMD, IMSD, ALH & RH have been included in Part-4 of Bid Document for reference which are indicative. Equipment layout and other building layout is to be designed by contractor. In case some addition/modification/new is required in existing building the same shall be done by contractor at no extra cost.
56.	Part 2 Section V(A), Volume 6 GS Appendix 15 Pg. 241 of 638	GS - Appendix-15 - Details of Works already executed a) Free issue materials	We request the Employer to confirm that 24F supplied as mentioned is total supply other than executed or Mentioned quantity inclusive of executed supply.	The materials enlisted as free issue materials in the Bid Document in Appendix-15, General Specifications and Part 5, Price Schedule are exclusive of executed quantities.
57.	Part 2 Section V(A), Volume 6 GS Appendix 15 Pg. 241 of 638	GS - Appendix-15 - Details of Works already executed a) Free issue materials	We request the Employer to share the Warranty period/RDSO inspection/ Delivery Challan for already supplied 24F OFC.	Successful Bidder shall have to interface with Engineer.
58.	Part 2 Section V(A), Volume 6 GS Appendix 15	GS - Appendix-15 - Details of Works already executed a) Free issue materials	We request the Employer to confirm our understanding that HDPE DUCT for OFC not available at Site/Store for Handover.	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Pg. 241 of 638			
59.	Part 2 Section V(A), Volume 6 PS Telecom Appendix 15 Pg. 242, 243, 244 of 638	GS - Appendix-15 - Details of Works already executed	a) We request the Employer to confirm our understanding that OFC has been blown in sections in patches. b) Kindly confirm that prior to handover of laid OFC Cable mentioned in Appendix-15 of GS, OTDR Test shall be performed by the Employer in front of Contractor & reports of same will be shared.	a) Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E). b) Please refer to S.No. 60 of Addendum No. 2.
60.	Part 2 Section V(A), Volume 6 PS Telecom Appendix 15 Pg. 242, 243, 244 of 638	GS - Appendix-15 - Details of Works already executed	a) We request the Employer to confirm our understanding that HDPE Duct for OFC laid in the form of Patches. b) Kindly confirm that prior to handover of laid HDPE pipe mentioned Appendix-15 of GS, Duct Integrity Test (DIT) shall be performed by the Employer in front of contractor & reports of same will be shared.	a) Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E). b) Please refer to S.No. 60 of Addendum No. 2.
61.	Part 2 Section V(A), Volume 6 PS Telecom Appendix 15 Pg. 242, 243, 244 of 638	GS - Appendix-15 - Details of Works already executed	We request the Employer to share the following: a) Approved Cable Route Plan. b) Trenchless Details along with chainage & Track Crossing chainage for OFC. c) Details of loop Chambers, Splice Chambers.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor.
62.	General		We request the Employer to confirm our	Provisions of Bid Document

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			<p>understanding that no Telecom Equipment has been supplied so far.</p> <p>However, If supplied, We request the Employer to confirm the subsystem with OEM and Make, warranty, Delivery Challan, Component details, Card wise details etc.</p>	are sufficiently clear.
63.	Part 2 Section V(A), Volume 6 PS Telecom Appendix 15 Pg. 242, 243, 244 of 638	GS - Appendix-15 - Details of Works already executed	We request the Employer to clarify the OFC network provisioned for LC Gates, IR locations/Staff quarters (Spur Link from nearest Station or in main Secondary Network).	Provisions of Bid Document are sufficiently clear. Please also refer to S.No. 47 of Addendum No. 2.
64.	Part 2 Section V(A), Volume 6 PS Telecom Appendix 15 Pg. 242, 243, 244 of 638	GS - Appendix-15 - Details of Works already executed	We request the Employer to share the termination details of already laid OFC in station building, ALH, Relay Huts, LC Gates, IMD/IMSD, SP/SSP/TSS locations.	Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).
65.	Part 2 Section V(A), Volume 6 PS Telecom Appendix 15 Pg. 241 of 638	GS - Appendix-15 - Details of Works already executed	<p>We request the Employer to confirm our understanding that no PIJF Cable has been supplied so far.</p> <p>However, If supplied, we request to confirm the size of cable, OEM, warranty, Delivery Challan, RDSO IC etc.</p>	No PIJF cable has been included in the Free Issue Materials List of Appendix 15, General Specifications and Part-5, Price Schedule.
66.	Part 2 Section V(A), Volume 6 PS Telecom	GS - Appendix-15 - Details of Works already executed	We request the Employer to confirm our understanding that only one Outdoor Trench for Signalling cables would suffice. This signalling	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Appendix 15 Pg. 245 of 638		cable trench may be done manually & there would be no insistence from Employer to go for HDD.	
67.	Part 2 Section V(A), Volume 6 PS Telecom Appendix 15 Pg. 245 of 638	GS - Appendix-15 - Details of Works already executed	<p>a) We request the Employer to confirm our understanding that no 6 Quad Cable has been laid so far in the project.</p> <p>b) If laid, we request you to confirm the chainages in block section as well as in yard where such works has been undertaken.</p> <p>c) If laid, We also request you to confirm the jointing/termination details of already laid 6 Quad cables.</p>	<p>Bidders shall verify themselves for works executed at site. Any assistance required will be provided by CGM/ALD(E).</p> <p>Please refer to S.No. 60 of Addendum No. 2.</p>
68.	Part 2 Section V(A), Volume 6 PS Telecom Appendix 15 Pg. 245 of 638	GS - Appendix-15 - Details of Works already executed	We request the Employer to confirm our understanding that prior to Handover of already laid 6 Quad Cable, meggering Test will be arranged by Employer in front of contractor & reports of same will be shared.	Please refer to S.No. 60 of Addendum No. 2.
69.	General		We request the Employer to clarify that, in case some modifications /repairs/ fault rectification are required to be done in already executed work such as Trenching, Ducting , OFC Blowing, cables already laid, the contractor will be financially compensated through variation.	Please refer to S.No. 60 of Addendum No. 2.
70.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 4.6	Telecommunication Equipment Room (TER) at Auto Location Huts, LC gates, Interfacing IR Stations, GSM-R Locations, TSSs, SPs, SSPs, IMDs, IMSDs, Staff Residential	a) We request the Employer to confirm the locations where TER was already proposed by previous contractor.	Please refer to Clause 1.2.2 & 1.4.6 of PS Building & Civil Structure Works at Page 575 of 638 and Page 576 of 638.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Pg. 453 of 638	Colonies etc. shall be provided with air-conditioning.	b) We request you to share the approved TER layouts and GSMR location layouts (Detour Section).	Please refer to Typical GAD of Building Plans appended at Part-4, Reference Documents which are indicative.
71.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 6.1.8 Pg. 467 of 638	At Junction Stations & Crossing Stations, Wi-Fi Facility, compliant with IEEE 802.11g Standards shall be provided for WAN Connectivity to users (which also include drivers of passing trains) via Wireless Enabled Devices and Equipment. A minimum of 10 simultaneous users may use the Wi-Fi Connectivity at Stations. This Wi-Fi Facility shall as a minimum cover Station Buildings and EDFC Tracks up to 500 meters in both directions.	We request the Employer to confirm our understanding that Redundancy in Wi-Fi end equipment will not be required.	Being design and build contract, the Bidder/Contractor has to propose his own design and equipment based on the reliability and availability requirements specified in the Bid Document.
72.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 6.3.4 Pg. 468 of 638	Layer-2 Switch shall be deployed as per Site Requirements. Network Topology and Connectivity Plan shall be submitted as part of Design to the Engineer for approval.	We request the Employer to confirm our understanding that Redundancy in L2 switch (Distribution/Access) will not be required.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor.
73.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 5.3.5.6 Pg. 457 of 638	Flexible Access Multiplexer or Primary Order Multiplexer shall have minimum 50% spares for all types of Channel Circuits (Minimum 1 for all types of Channel Circuits).	We request the Employer to clarify that 2MBMUX (primary order multiplexer) will be required as this will be sufficient to drop requisite number of channels.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
74.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 6.3.9 Pg. 468 of 638	Ethernet Services such as EPL, EVPL & E-LAN shall be extended to Auto Location Huts, GSM-R Locations, LC Gates, SPs & SSPs using EoS (Ethernet over SDH) of OFC System.	We request the Employer to confirm our understanding that the Telecom services to SP/SSP/ TSS/LC Gates can be extended from nearest SDH at ALH i.e there is no need of providing separate SDH at SP/SSP/TSS/LC Gates.	Bidder's understanding is not correct, however, SDH is not required at LC Gates. Please also refer to S.No. 48 of Addendum No. 2.
75.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 7.3.8.8 Pg 482 of 638 & Clause No.7.5.1.4 Pg. 485 of 638	If integration is done by upgrading PBX, Telephony Servers, Telephone NMS and associated equipments provided at OCC under Contract Package CP-104: (1) Spare PRI available at PBX provided under CP-104 shall not be utilized for meeting the requirements under this Contract. (2) The Contractor shall be responsible and liable for upgraded PBX, Telephony Server, Media Gateway, Telephone NMS and other associated equipment during Defect Notification Period and during Service Life.	We request the Employer to share the available free slots/configuration for PBX already provided by CP-104 at OCC for upgradation.	Provisions of Bid Document are sufficiently clear.
76.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 7.3.8.9 Pg. 481 of 638	The PBXs provided at New Ekdil, New Tundla and New Khurja under Contract Package CP-104 shall be upgraded/augmented and reconfigured for providing above PRI over E1 Link. Spare PRI available at PBXs provided at New Ekdil, New Tundla and New Khurja under Contract Package CP-104 shall not be utilized for meeting this requirement.	We request the Employer to share the available free slots/Configuration for PBX already provided by CP-104 at New Ekdil, New Tundla, New Khurja for upgradation .	Provisions of Bid Document are sufficiently clear.
77.	Part 2 Section VI, Volume 8 PS	Emergency Control Communication shall have Emergency Sockets as per IR Standards	We request the Employer to confirm the locations in the block Sections of link line where	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Telecom Clause No. 7.3.12.1 Pg. 483 of 638	for RE Areas at all the Automatic Signals and Block sections in link Line to which this omnibus communication channel is terminated.	emergency sockets need be provided.	
78.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 8.1.1 Pg. 490 of 638	The Contractor shall provide Mobile Train Radio Communication (MTRC) System based on GSM-R for wireless voice and data communication to support the operational and maintenance requirements of EDFC Phase-2.	a) Kindly confirm the existing OEM of GSM-R. b) Kindly confirm whether the successful bidder can propose different OEM for GSM-R from the one approved in CP-203 project.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor.
79.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 8.1.1 Pg. 490 of 638	The Contractor shall provide Mobile Train Radio Communication (MTRC) System based on GSM-R for wireless voice and data communication to support the operational and maintenance requirements of EDFC Phase-2.	We request the Employer to share the Approved Design with inclusions of RF Survey Report, RF Tower GTI Report, Layouts, RF Tower Design etc.in case existing approved vendor (CP-203) of GSM-R system is a pre-requisite for this project also.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor.
80.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 8.2.8.1 Pg. 490 of 638	The Contractor shall liaise with WPC for issues of import licence and shall also coordinate in conjunction with DFCCIL with all concerned authorities including WPC, SACFA, Civil Aviation authorities..... All License fees shall be paid by DFCCIL.	a) We request the Employer to confirm the status of clearances with WPC, SACFA, Civil Aviation. b) Kindly confirm whether the project requirement has already been submitted to DFCCIL by existing contractor or fresh requirement needs to be generated by the new contractor?	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design including submission of application for clearance with WPC, SCAFA, Civil Aviation authorities and other local authorities is in the scope of Contractor.
81.	Part 2 Section VI, Volume 8 PS	MTRC System is being provided by Indian Railways in Deen Dayal Upadhyay-Ghaziabad	We request the Employer to confirm the existing Make, Configuration details of BTS provided in	Successful Bidder shall have to interface with Indian

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Telecom Clause No. 8.2.2 Pg. 490 of 638	section of Indian Railways (IR). As such in sections, where track alignment of Deen Dayal Upadhyay-New Bhaupur Section of EDFC is running parallel to the existing Deen Dayal Upadhyay-Ghaziabad Section of IRR, Base Station Sub-systems (BSSs) of IR will be shared by DFCCIL. However, in sections, where track alignment of Deen Dayal Upadhyay- New Bhaupur Section of EDFC is taking a detour (including Link Lines) and cannot be served by Base Station Sub-system (BSS) of IR, BSSs of DFCCIL shall be provided by the Contractor	Indian Railways.	Railways.
82.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 8.2.3 Pg. 490 of 638	It is envisaged that Network Sub-system (NSS) of MTRC System of Indian Railway used for Deen Dayal Upadhyay-Ghaziabad Section shall also be used for MTRC System of EDFC Phase-2. Details of NSS of MTRC System of IR are given in Appendix-II. This NSS shall be upgraded, if required, by the Contractor to meet the requirements of EDFC Phase-2.	a) Request to confirm the existing make of GSM-R BSC available at Indian Railway. b) Request to confirm the available configuration of existing BSC.	The details of MTRC system of Indian Railways is provided at Appendix-II of PS Telecommunication Works (Page no. 572 of 638).
83.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 8.2.3 Pg. 490 of 638	It is envisaged that Network Sub-system (NSS) of MTRC System of Indian Railway used for Deen Dayal Upadhyay-Ghaziabad Section shall also be used for MTRC System of EDFC Phase-2. Details of NSS of MTRC System of IR are given in Appendix-II. This NSS shall be upgraded, if required, by the Contractor to meet the requirements of EDFC Phase-2.	a) We request to confirm the existing make of GSM-R NSS available at Indian Railway. b) We request to confirm the available configuration of existing NSS.	The details of MTRC system of Indian Railways is provided at Appendix-II of PS Telecommunication Works (Page no. 572 of 638).

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
84.	General		We request the Employer to confirm that fixed Radio terminal will not be required at Station location.	Query not clear.
85.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 10.1.1.3 Pg. 517 of 638	25 Watt VHF Transceivers shall be installed in Station Control Room and any other specified place as decided by the Engineer. Omni-Directional Antenna for 25 Watt VHF Transceivers shall be mounted on a suitable Pole/Mast at a height of 15 meters from the ground level. Omni-Directional Antenna and Pole/Mast shall be supplied by the Contractor. Provision of Voice Recording of conversation taking place on 25 Watt VHF Transceivers	<p>The referred clause states that VHF system is to be provided at station control room and any other specified place.</p> <p>We request the Employer to kindly confirm the other locations where VHF is to be provided.</p>	<p>25 Watt VHF Transceivers shall be installed in Station Control Room.</p> <p>Please refer S.No.51 of Addendum No. 2.</p>
86.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 11.1.3 Pg. 523 of 638	The Battery Backup System shall include Line Protecting Devices, Battery Chargers, Battery Banks and Load Distribution Arrangement.	We request the Employer to elaborate and explain the term “Line protecting Devices” and confirm its RDSO Specification.	There is no specification defined in bid document for “Line Protection Devices”, to achieve functionality successful bidder/contractor has to propose his design.
87.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 5.3.3.3 Pg. 455 of 638	The Second Network shall be formed by two optical fibre cables, preferably one laid along the up-track and the other laid along the down-track ensuring route diversity, from Deen Dayal Upadhyay to New Bhaupur and terminated on ODFs in TERs at Stations, New Bhaupur Station, Auto Location Huts, Interfacing IR Stations, IR Control Centre, GSM-R Locations, TSSs, SPs, SSPs, IMDs, IMSDs, LC Gates, Staff Quarters and any	Kindly clarify if Telecom services can be extended to other locations i.e IR locations, SP, SSP, TSS, LC Gates etc. from the nearest telecom locations (Stations, ALHs, TER etc.) by way of laying OFC Cable & providing L2 Switch at such locations(SP/SSP/TSS/LC Gates/IR Locations).	Please refer to S.No. 47 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		other location as required.		
88.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works Appendix-15 Page No. 241 of 638	24 Fibre OFC - 1000 Kms.	Kindly confirm that at the time of handover of the OFC cable, RDSO IC, delivery challan and other relevant documents shall be handed over to the contractor.	Bidder's understanding is correct. Successful Bidder shall have to interface with Engineer.
89.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works Appendix-15 Page No. 241 of 638	Details of Works already executed List of Executed Works - OFC	<p>We understand that OFC drums to be handed over as free issue material are of 3 Kms each. However, as per the data given for OFC cable laid shows blowing of:</p> <ul style="list-style-type: none"> - 1.314 Kms at New Rasulabad Station (T1), - 1.466 Kms. at New Malwan Station (T1), - 2.318 Kms at New Kanpur(T1), - 1.239 kms at New Unchdih Station(T3), - 0.246 kms at New Rasulabad Station (T3), - 2.128 Kms. at New Kanpur (T3), - 2.083 kms. in Link Line from New Kanpur to Rooma (T1). <p>We understand that these are part quantities of full drum and the balance cable is lying at the store which shall be issued free of cost to the contractor.</p>	The materials enlisted as free issue materials in the Bid Document in Appendix-15, General Specifications and Part 5, Price Schedule shall only be handed over to the CP-203R contractor after award of contract.
90.	Part 2, Section V(B), Volume 7, Particular	Details of Works already executed List of Executed Works - OFC	a) We understand that OFC blown in sections are in patches of ~3Km each. Kindly confirm.	a) Bidders shall verify themselves. Any assistance required will be provided by

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Specification Signalling Works Appendix-15 Page No. 241 of 638		b) Kindly confirm that OTDR Testing will be done by the Employer in front of Contractor & reports of same will be shared before handing over the material.	CGM/ALD(E). b) Please refer to S.No. 60 of Addendum No. 2.
91.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works: Appendix-15 Page No. 241 of 638	Details of Works already executed List of Executed Works - OFC	a) Kindly confirm the quantity of quad cable already laid in T2 as indicated in S.No.1 of list of executed S&T Works. b) We also request you to indicate the MSDAC quad cable quantity laid separately (if any)	a) Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E). b) Please refer to S.No. 28, 60 & 68 of Addendum No. 2.
92.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 1.1.6 Pg. 433 of 638	In EDFC Phase-2, residential complexes have been planned for its staff. A total no. Of 263 Residential Quarter/Houses shall be constructed in Deen Dayal Upadhyay -New Bhaupur Section. In addition, one Guest House and one Club/Institute have also been planned at Allahabad	a) We understand that residential quarter being referred here is same as staff quarter. Kindly confirm our understanding. b) We request you to share the locations of residential/staff quarters specifying the distance of the same from respective station building.	a) Bidder's understanding is correct. b) Successful Bidder shall have to interface with Engineer.
93.	Part 2 Section VI, Volume 8 PS Telecom Clause No. 5.3.3.2 Pg. 455 of 638	First Network shall be taken to OCC by laying two additional optical fibre cables with route diversity from New Manauri Station to Subedarganj Station of IR and splicing through with two optical fibre cables, being laid from Subedarganj (IR) to OCC and terminated on ODFs in TERs at OCC under Contract Package CP 104.	We request the Employer to share the survey report for provision of OFC laying between New Manauri to Subedarganj IR.	Survey, if any required, shall be done by the successful Bidder.
94.	Part 2 Section VI, Volume 8 PS	At OCC, Station, Depot & Office, a Sub Master Clock unit shall receive the time	We request the Employer to confirm our understanding that redundancy in Submaster	Bidder's understanding is

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Telecom Clause No. 9.3.4 Pg. 512 of 638	information from the Central Master Clock and shall convert it into synchronization pulses for the slave Clock units at those locations.	Clock will not be required for the present scope of works.	correct.
95.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works PS Clause 8.2.7 (2) (11) Page No. 367 of 638	Train Management system including networking equipment (except Server) and Video Walls at OCC, TMS terminals, FIU along with interconnecting cables and connectors and all other associated accessories."	<p>The Contract Spares list mentions FIU, however as per our understanding, the EI interface Protocol converter shall be used to get signalling field gear data.</p> <p>We request the Employer to clarify on the requirement of FIU and if the same is not required the clause may be suitably modified.</p>	Provisions of Bid Document shall prevail.
96.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works Appendix-15 Page No. 241 of 638	Video Wall screens for display of TMS and SCADA (Delta Make) - 48 Nos	<p>a) We request the Employer to clarify on the methodology adopted to arrive at 48 Nos of Video wall Cube.</p> <p>b) Kindly inform the detail technical specification and BOM of the supplied/installed material.</p> <p>c) We assume that the DLP/Warranty Obligation of these Video Wall screens supplied under CP203 Contract shall be under the scope of DFCCIL and the Contractor of CP-203R project shall only be required to take the Commissioning support from the existing vendor (Delta). Kindly confirm.</p>	<p>Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor.</p> <p>Please refer to S.No. 28, 60 & 68 of Addendum No. 2.</p>

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
97.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works PS Clause 2.3.4 (2)(b)(i) Page No.293 of 638	Remote monitoring of status of Signalling equipment at stations and in Block Sections, shall be provided on these terminals. This shall include logging in of events in central system, generating alarms, alerts etc.	<p>The Bid documents specifies the requirement of S&D system to monitor the proper operation of the signalling equipment.</p> <p>We request the Employer to confirm whether the TMS is also required to monitor the status of signalling equipments or to monitor signalling field gear failure status.</p> <p>If the requirement is being met by TMS, a separate S&D system is redundant. Therefore, we request you to delete the requirement of S&D system.</p>	Provisions of Bid Document are sufficiently clear that both TMS and S&D System are required.
98.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works Appendix-15 Page No. 241 of 638	MSDAC Equipment (Frauscher Make)	<p>We request the Employer to clarify the following:</p> <p>a) The methodology used to arrive 280 Nos of DP to ascertain if additional quantities are required for the subject locations.</p> <p>b) Station Yard/ Auto block Section for which 280 Nos. of DP were procured. This information is required to calculate the balance quantities.</p> <p>c) Kindly provide the details of the associated equipment of MSDAC (along with Cards) supplied so far by the previous contractor.</p> <p>d) Is it mandatory to use these materials or the</p>	Please refer to S.No. 28 & 68 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			<p>contractor can propose an MSDAC solution from another OEM ?</p> <p>e) If it is mandatory, we assume, the DLP/Warranty obligation as per CP203 tender requirements of the equipment shall be under the scope of DFCCIL. The Contractor will contact the same vendor only for Commissioning support.</p>	
99.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works General Drawing - ESP	In Mughalsarai (Deen Dayal Upadhyay) ESP,	<p>We understand through Mughalsarai (Deen Dayal Upadhyay) ESP, the yard is connected to New Ghanj Khawaja directly.</p> <p>However, in MGS-Sonagram project, we understand that there is an intermediate station (New ERC at DDU) between Mughalsarai (DDU) and New Ganj Khawaja.</p> <p>We request the Employer to clarify the connectivity between Deen Dayal Upadhyay and New Ganj Khawaja.</p>	DDU Yard is having double line connectivity with East Receiving Cabin (ERC)/DDU. ECR/DDU cabin each at IR km 670.21 and DFCCIL Chainage No. 119.260. Detailed connectivity with ERC-DDU is to be decided by interface between Engineers and CP-203R contractor and System Contractor of DDU-Sonnagar (System-2). The work of connectivity with ERC at DDU end will be in the scope of present contract CP-203R.
100.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works General Drawing – ESP	In Mughalsarai (Deen Dayal Upadhyay) ESP,	In continuation to the above query, we understand that If the existence of the intermediate station (New ERC at DDU) is confirmed, We request the Employer to confirm the scope of this block section (type of block working between DDU & New ERC at UUD, changes envisaged in New ERC at DDU, etc)	System of block working between DDU Yard and New ERC/DDU will be jointly decided by the CP-203R Contractor and System Contractor of DDU-Sonnagar (System-2). CP-203R

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			and whether the same shall be part of CP-203R project.	Contractor shall interface with System Contractor of DDU-Sonnagar (System-2) for integration of Signalling and Telecom System as per requirements stipulated in PS Signalling Works and PS Telecommunication Works of CP-203R.
101.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works PS Clause 2.2.3 (3)(a) Page no 264 of 638	Interlocking – Technical Requirements The Electronic Interlocking (EI) shall be as per RDSO specification RDSO/SPN/192/2019 with latest amendment or RDSO/SPN/203/2019 with latest amendment and shall be procured from RDSO approved Vendor as per Para 4.3 of this Particular specification.	We request the Employer to modify the referred clause as: Shall be read as "The Electronic Interlocking (EI) shall be as per RDSO specification RDSO/SPN/192/2019 with latest amendment or and RDSO/SPN/203/ 2019 2011 with latest amendment and shall be procured from RDSO approved Vendor as per Para 4.3 of this Particular specification." We understand that this project contains two Big yards, hence both the specification is applicable. Kindly confirm.	Please refer to S.No. 36 of Addendum No. 2.
102.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works	The Control terminal shall have a latest industrial grade embedded fan less PC with no external drive and colour VDU monitor with minimum size of 32"	a) Kindly specify the upper limit of VDU size. b) We understand that we can maximum go upto 25% above 32" size rounded up to nearby suitable size	The minimum size of VDU is stipulated in the bid document. However, the exact size of VDU/monitor and quantities thereof shall be decided by the Successful Bidder with the

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply																																									
	PS Clause 2.2.4 (2)(b) Page no 267 of 638		c) We also request to specify the size of Monitor and Quantities required for big yards under this project.	approval of Engineer after award of contract.																																									
103.	Part 5 Price Schedule C- Signalling Works Page No. 10 of 38	<p align="center">SIGNALLING WORKS (Sub-clause 14.4. GC)</p> <table border="1"> <thead> <tr> <th>Price Schedule</th><th>No.</th><th>Cost Centre</th><th>Weightage (%)</th><th>Cost</th></tr> <tr> <th>(1)</th><th>(2)</th><th>(3)</th><th>(4)</th><th>(5)</th></tr> </thead> <tbody> <tr> <td rowspan="8">C [Signalling Works]</td><td>C1</td><td>Design and Documentation</td><td>2%</td><td rowspan="8">% as in Schedule C (Signalling Works) of Apportionment of Contract Price</td></tr> <tr> <td>C2</td><td>Signalling Works at 6 Crossing stations</td><td>10%</td></tr> <tr> <td>C3</td><td>Signalling Works at 6 Junction Stations</td><td>24%</td></tr> <tr> <td>C4</td><td>Signalling Works in Automatic Block Sections</td><td>41%</td></tr> <tr> <td>C5</td><td>Train Management System (TMS) and Service & Diagnostic System (S&D)</td><td>10%</td></tr> <tr> <td>C6</td><td>Supply of Contract Spares and Special Tools & Test Equipment</td><td>10%</td></tr> <tr> <td>C7</td><td>Integrated Testing & Commissioning and Final Taking-Over</td><td>2%</td></tr> <tr> <td>C8</td><td>Training</td><td>1%</td></tr> <tr> <td></td><td></td><td>Total</td><td>100.00</td><td></td></tr> </tbody> </table>	Price Schedule	No.	Cost Centre	Weightage (%)	Cost	(1)	(2)	(3)	(4)	(5)	C [Signalling Works]	C1	Design and Documentation	2%	% as in Schedule C (Signalling Works) of Apportionment of Contract Price	C2	Signalling Works at 6 Crossing stations	10%	C3	Signalling Works at 6 Junction Stations	24%	C4	Signalling Works in Automatic Block Sections	41%	C5	Train Management System (TMS) and Service & Diagnostic System (S&D)	10%	C6	Supply of Contract Spares and Special Tools & Test Equipment	10%	C7	Integrated Testing & Commissioning and Final Taking-Over	2%	C8	Training	1%			Total	100.00		<p>After going through the Bid Requirements and site visit inputs, we believe that the apportionment of the price schedule for the signalling works is imbalanced.</p> <p>Based on our experience, we have redistributed the price schedule and the same has been reproduced below for your kind consideration.</p> <p>C1 – Design and Documentation – 2%</p> <p>C2- Signalling works in 6 Crossing stations - 10%</p> <p>C3- Signalling works in 6 Junction stations - 35%</p> <p>C4- Signalling works in Automatic Block Sections - 25%</p> <p>C5-Train Management System (TMS) and Service & Diagnostic System (S&D)-18%</p> <p>C6- Supply of Contract Spares and Special Tools & Test Equipment- 8%</p> <p>C7- Integrated Testing & Commissioning and Final Taking-Over - 1%</p> <p>C8- Training – 1%</p> <p>Alternatively, we request the Employer not to do not give any percentage bifurcation,</p>	Provisions of Bid Document shall prevail.
Price Schedule	No.	Cost Centre	Weightage (%)	Cost																																									
(1)	(2)	(3)	(4)	(5)																																									
C [Signalling Works]	C1	Design and Documentation	2%	% as in Schedule C (Signalling Works) of Apportionment of Contract Price																																									
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	C7	Integrated Testing & Commissioning and Final Taking-Over	2%																																										
	C8	Training	1%																																										
		Total	100.00																																										

SN	Reference to Bid Document	Brief Description of Clause		Query	Reply														
				recommended to be as per tender choice based on actual cost proposal.															
104.	Part 5 Price Schedule - Schedule B - Page No. 7 of 38	<table><tr><th>SN</th><th>Cost Centre of Works</th><th>Contract price as proportion of total lump sum cost quoted in Schedule A, expressed as percent</th></tr><tr><td>1.</td><td>Signalling Works (Schedule C)</td><td>75% - 85%</td></tr><tr><td>2.</td><td>Telecommunication Works (Schedule D)</td><td>15% - 25%</td></tr><tr><td>3.</td><td>Building & Structure works (Schedule E)</td><td>2% - 4%</td></tr><tr><td colspan="2">Total</td><td>100%</td></tr></table>	SN	Cost Centre of Works	Contract price as proportion of total lump sum cost quoted in Schedule A, expressed as percent	1.	Signalling Works (Schedule C)	75% - 85%	2.	Telecommunication Works (Schedule D)	15% - 25%	3.	Building & Structure works (Schedule E)	2% - 4%	Total		100%	<p>In continuation to the above query at Sl.no. 103, we propose the Employer not to restrict price range for the purpose of the apportionment of contract price for Signal & Telecommunication and Building & Structure works and allow the bidder to quote as per their proposal.</p> <p>This shall provide more flexibility to the bidder in ensuring that the milestone payments are inline with cost structure.</p>	Provisions of Bid Document shall prevail.
SN	Cost Centre of Works	Contract price as proportion of total lump sum cost quoted in Schedule A, expressed as percent																	
1.	Signalling Works (Schedule C)	75% - 85%																	
2.	Telecommunication Works (Schedule D)	15% - 25%																	
3.	Building & Structure works (Schedule E)	2% - 4%																	
Total		100%																	
105.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 4.6.3, Page 453 of 638	Telecommunication Equipment Room (TER) at OCC and Stations shall be provided with Air-Conditioning. Provision of Air-Conditioning in TERs at OCC is covered under Contract Package CP-104, while provision of Air-Conditioning in TERs at Stations is covered under Contract Package CP-204. TER at OCC is classified as 'Class-A' and TERs at Stations are classified as 'Class-B1' under Clause 2.5.5 of General Specifications.		The referred clause 2.5.5 of General Specification is missing. We request you to kindly amend suitably or define the requirements of Clause 2.5.5.	Please refer to S.No. 44 of Addendum No. 2.														
106.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works	Telecommunication Equipment Room (TER) at Auto Location Huts, LC gates, Interfacing IR Stations, GSM-R Locations, TSSs, SPs, SSPs, IMDs, IMSDs, Staff Residential Colonies etc. shall be provided with air-conditioning. Air-Conditioning in TERs at above locations shall be provided by the Contractor under this Contract. TERs at		The referred clause 2.5.5 of General Specification is missing. We request you to kindly amend suitably or define the requirements of Clause 2.5.5.	Please refer to S.No. 45 of Addendum No. 2.														

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	PS Clause 4.6.4, Page 453 of 638	above locations are classified as 'Class-B1' under Clause 2.5.5 of General Specifications.		
107.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 4.6.5, Page 453 of 638	Telecom Power Supply Equipment Rooms at Stations, Auto Location Huts, LC gates, Interfacing IR Stations, GSM-R Locations, TSSs, SPs, SSPs, IMDs, IMSDs, Staff Residential Colonies etc. shall be provided with suitable means to regulate temperature and maintain air-circulation with 1+1 standby, within limits so as to facilitate proper working of Power Supply Equipment and VRLA battery as during summer time the temperature inside the equipment room is likely to reach very high. These provisions of to regulate temperature and maintain air-circulation shall be provided by Contractor under this Contract. Telecom Power Supply Equipment Rooms at these locations are classified as 'Class-B2' under Clause 2.5.5 of General Specifications.	The referred clause 2.5.5 of General Specification is missing. We request you to kindly amend suitably or define the requirements of Clause 2.5.5.	Please refer to S.No. 46 of Addendum No. 2.
108.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 1.3.3.1, Page 434 of 638	The scope of services to be performed by the Contractor shall include -- Design, Manufacturing, Delivery, System Assurance, Storage, Installation, Testing and Commissioning of the Telecommunication System. The scope of services to be performed by the Contractor shall include but not be limited to the following- *Presentations, reviews and audit support as specified in the Specification. *Project Management of the implementation of the System;	Kindly elaborate the scope of "Decommissioning, removal and disposal of Temporary Works".	Please refer Clause 4.3 of Part-2, Section V(A), Vol. 1, General Specification (Page 112 of 638).

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		<p>*Quality and Safety Management.</p> <p>*Overall site supervision and management;</p> <p>*Decommissioning, removal and disposal of Temporary Works;.....</p> <p>.....</p> <p>* Prototypes, mock-ups, emulation and simulation as required</p>		
109.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS clause 6.4.3.3, Page 470 of 638	To improve the availability of Data Networking System various measure such as Resilient Ethernet Protocol, Pseudo wire Redundancy, Link Aggregation (IEEE 802.3ad) on Network/Access Ports, Rapid Spanning Tree Protocol (IEEE 802.1w), Multiple Spanning Tree Protocol (IEEE 802.1s), MPLS-TE Fast Reroute etc. as required shall be implemented.	As per our understanding, Resilient Ethernet Protocol is an OEM proprietary protocol, However, as per PS Clause 6.1.6 "System shall comply with internationally recognised Industry Standards & Open System Protocols". We request you to kindly modify the clause to incorporate Open System Protocols.	Provisions of Bid Document shall prevail.
110.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 6.3.1, Page 468 of 638	WAN shall be created using Layer-3 Switches equipped with minimum 4 Nos. 10GigE Fibre Ports for backbone interconnections. WAN shall connect OCC, Stations, New Bhaupur Station, IMDs and IMSDs, in Ring Topology using Optic Fibre Cable Cable laid along Up and Down Track of DFCCIL. Further WAN shall connect TSSs, SP,SSP,LC gate with nearest stations/Auto Location Huts in Redundant Linear Topology using Optic Fibre Cable. Locations of Layer-3 Switches can be clubbed based upon design of other Systems / Subsystems under this Contract as well as under Contract Package CP-204 while	Kindly clarify whether connectivity to WAN of TSS, SP,SSP, LC gates is to be provided as per design or it is mandatory requirement.	<p>Provisions of Bid Document are sufficiently clear and shall prevail.</p> <p>Please refer to S.No. 48 of Addendum No. 2.</p>

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		meeting overall Packet Data Communication Requirements		
111.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 6.5.1.1, Page 470 & 471 of 638	Layer-3 Switches of WAN shall have 20 Nos. 10/100/1000 Base-T Auto Sensing Ports with RJ 45 Connectors, 4 Nos. 100/1000 Base-X ports for SFP complying with IEEE 802.3, IEEE 802.3u and 802.3ab standard, and 4 No's of 10G BaseX ports supporting Half Duplex, Full duplex and Auto-Negotiation on each port to optimize bandwidth. 30 % spare ports of each type on layer-3 Switch shall be kept for future use.	We understand that 30 % spare ports of layer-3 Switch shall be used for down-link Access ports only. Kindly confirm our understanding.	Bidder's understanding is not correct. 30 % spare ports of each type on layer-3 Switch shall be kept for future use.
112.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 6.5.2.3, Page 471 of 638	30% spare ports of each type on layer-3 Switch at OCC shall be kept spare for future use.	We understand that 30 % spare ports of layer-3 Switch shall be used for down-link Access ports only. Kindly confirm our understanding.	Bidder's understanding is not correct. 30 % spare ports of each type on layer-3 Switch shall be kept for future use.
113.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause	Layer-2 Switches of WAN shall have 24 Nos. 10/100 Base-T Auto Sensing Ports with RJ 45 Connectors, complying with IEEE 802.3, IEEE 802.3u and 802.3ab standard, supporting half duplex, full duplex and Auto-Negotiation on each port to optimize bandwidth.	We are of the understanding that IEEE 802.3ab is standard for 1000 Base-T. However as per clause 6.5.3.1 L2 switch port require 10/100 Base-T only. We request the Employer to modify the clause accordingly.	Only applicable standards shall be used while designing the Telecom System.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	6.5.3.1, Page 471 of 638			
114.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 6.3.8, Page 468 of 638	Ethernet Services such as Ethernet Private Line (EPL) Services, Ethernet Virtual Private Line (EVPL) Services, Ethernet Local Area Network (E-LAN) Services, Layer2 Protocol Tunnelling (L2PT), Virtual Private Wire Service(VPWS) & Ethernet over MPLS (EoMPLS) shall be available on WAN.	As per our understanding, Ethernet Private Line (EPL) Services, Ethernet Virtual Private Line (EVPL) Services, Ethernet Local Area Network (E-LAN) Services, Layer2 Protocol Tunnelling (L2PT), Virtual Private Wire Service(VPWS) and Ethernet over MPLS (EoMPLS) can be emulated using internationally recognised Industry Standards & Open System Protocols. We request the Employer to kindly confirm our understanding.	Provisions of Bid Document are sufficiently clear and shall prevail.
115.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 7.3.8.2, Page 480 of 638	After integration, Administrative Telephone Networks shall provide following feature transparency across all the PBXs provided under this Contract as well as under Contract Package CP-104:	We understand that some features mentioned in the list are not interoperable between different OEMs. We suggest interoperability based on QSIG International Standard as it is followed by all major Telephone OEMs. Kindly confirm.	Provisions of Bid Document are sufficiently clear and shall prevail.
116.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works	New system shall be provided for the integration of this section. If required, Contractor shall upgrade/augment/reconfigure Control Communication System provided under Contract Package CP-104 to meet the requirements of this Particular Specifications.	The Contractor should be allowed to upgrade/augment the NMS installed at OCC under CP-104 and other contract packages for similar OEM, without compromising the available provision for redundancy in existing equipment for seamless integration.	Provisions of Bid Document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	PS Clause 7.3.11.4, Page 482 of 638		Kindly confirm.	
117.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 7.3.7.8, Page 480 of 638	Direct Line Telephone shall be provided in the other locations such as IR Sectional Control Centre, Interfacing Station Master Room of IR, LC Gates, Crew Control Rooms, Depot Control Rooms, Switching/Feeding Posts, TPC Maintenance Staff Rooms, Important Civil Engineering Maintenance & Work related Locations and Important S&T Maintenance & Work related Locations etc., to meet communication requirement as mentioned in Clause 7.3.7.1 above.	As per our understanding RDSO approved communication system (with selective calling facility) is required at LC gate as mentioned in PS clause 4.5.1 (6) of Volume 8 Particular Specifications, Telecommunication Works. We therefore request the Employer to kindly remove DLT phone requirement at LC gates.	Please refer to S.No. 43 of Addendum No. 2.
118.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 7.4.2.1, Page 483 of 638	The inability to perform any required function, the occurrence of unexpected action or the degradation of performance below the specifications shall be considered as a failure. The Contractor shall furnish for the following sub-systems/equipment, the reliability figures, MTBF Hours from the OEMs. Switching Module of the PBXs; Processor Module of the PBXs; Memory Module of the PBXs; Line and Trunk Interface Module of PBXs; Power Supply Module of PBXs; Telephony Server ; Media Gateway; Direct Line Consoles; Direct Line Telephones; Control Communication Equipment; and Emergency Control Communication	As per our understanding, the Control Communication Equipment and Emergency Control Communication Equipment are RDSO approved products. Reliability Targets are not mentioned in the respective RDSO standards. We therefore request you to remove above Equipment from the list. Workstations are standard COTS IT Products and should be excluded from this list.	Provisions of Bid Document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		Equipment. Telephone NMS Workstation;		
119.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 7.5.4.11, Page 488 of 638	The VRS shall comply with the following specifications: (1) wow and flutter : < 0.8% peak ; (2) frequency response: 300 to 3400 Hz within +3 dB; (3) Signal to noise ratio : > 42 dB; (4) Cross talk immunity : > 60 dB at 1 KHz; (5) Distortion : < 3% ; (6) Automatic gain control level : +3 dB in recording level for all input	The "wow and flutter: < 0.8% peak" feature is for Analog VRS system. However as per PS Clause 7.5.4.1 Digital VRS system is required. We therefore request you to kindly remove this feature.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. Details shall be worked out by Contractor with the approval of Engineer.
120.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 7.5.6.3, Page 488 of 638	Multi-core cables shall be provided and connected from the distribution frames inside TER to the distribution frames at the MDF for connection between the PBX and the trunk circuits of PSTN. The interface between the Telephone system and the PSTN circuits shall be at the MDF.	The Bidder's understanding is that PSTN connectivity will be provided by Employer at EDFC station. The contractor shall be responsible for its integration. Kindly confirm our understanding.	Provisions of Bid Document are sufficiently clear and shall prevail. PSTN connectivity will be provided at MDF of OCC by DFCCIL.
121.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works	The Second Network shall carry all Voice (including Emergency Communication) and Data (including Traction Power SCADA, Auxiliary SCADA) Communication between Stations and Auto Location Huts, LC Gates, Interfacing IR Stations, GSM-R Locations, TSSs, SPs, SSPs, IMDs, IMSDs, Staff	We request the Employer to specify "any other location, if Required" as it leaves the scope open for speculation.	Successful Bidder will identify any other location, if required, with the approval of Engineer after award of contract. Please also refer to S.No. 47 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	PS Clause 5.3.4.3, Page 456 of 638	Quarters and any other location, if required.		
122.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 9.1.5, Page 512 of 638	Whenever existing equipment of Master Clock System being provided under contract Package-104 is upgraded/augmented/reconfigured to meet the requirement of this Particular Specifications, the available provision for redundancy in existing equipment shall not be compromised and subsequent to upgradation/ augmentation / reconfiguration they shall meet the Technical Requirement and Performance Requirement as stipulated in this Particular Specifications.	We assume that the Contractor shall be allowed to upgrade/augment the NMS installed at OCC under CP-104 and other contract packages for similar OEM, without compromising the available provision for redundancy in existing equipment for seamless integration. Kindly confirm our understanding.	Provisions of bid document are sufficiently clear.
123.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 9.2, Page 512 of 638	The scope of supply shall include, but not be limited to, the following: 1. A Master Clock System. 2. GPS Receiver and Antenna. 3. Master Clock control and distribution equipment. 4. Sub-Master Clocks. 5. Slave Clocks (Analogue and Digital Clock Display Units) 6. Clock Management System. 7. Data & Power Supply Cables including Terminations 8. Earthing and Lightning Protection	a) We request the Employer to kindly clarify Sl. No. 3 of the referred clause read as "Master Clock control and distribution equipment" b) We understand that by Master clock control employer is referring to master clock system and by distribution equipment DTS system is referred. Kindly confirm our understanding.	Please refer to S.No. 49 & 50 of Addendum No.2

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		<p>Devices.</p> <p>9. Installation, Testing and Commissioning Materials and</p> <p>10. Any other item required to complete the scope of the works</p>		
124.	<p>Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works</p> <p>PS Clause 9.5.1.11, Page 515 of 638</p>	Outages of power supply of normal duration to the system shall have no significant impact on the accuracy of the system time.	We request the Employer to kindly specify the normal duration of power supply outage.	Being design and build contract the bidder shall have to carry out survey of his own to identify outage of power supply.
125.	<p>Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works</p> <p>PS Clause 9.5.3.9, Page 516 of 638</p>	The Master Clock System shall be capable of working from 230 Volts +/- 10% AC 50 Hz Power Supply.	We request the Employer to allow MCS system to work on either AC or DC.	Provisions of bid document shall prevail.
126.	Part-2, Section VI, Volume 8 Particular Specifications,	The OFC System shall be capable to transport all of the user communication requirements. The OFC System shall provide sufficient bandwidth to cater for the	We request the Employer to give details of communication requirement of Contract Package CP-204.	As per Clause 6 of Part-2, Section V(A), General Specifications (Appendices), the Successful Bidder will be

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Telecommunication Works PS Clause 5.1.3, Page 455 of 638	communication requirements of various systems under this Contract as well as under Contract Package CP-204 and shall provide an additional spare bandwidth of at least 50% of the total used bandwidth for future system expansion.		required to interface with CP-204 Contractor for requirement of fibers, channels, bandwidth with details of locations where it is required.
127.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 5.3.3.2, Page 455 of 638	Further, this First Network shall be taken to OCC by laying two additional optical fibre cables with route diversity from New Manauri Station to Subedarganj Station of IR and splicing through with two optical fibre cables, being laid from Subedarganj (IR) to OCC and terminated on ODFs in TERs at OCC under Contract Package CP-104.	According to the referred clause, we understand that OFC from New Manauri Station to Subedarganj Station of IR is to be laid under CP-104 contract. However, as it is a communication related cable it should be laid under telecom works of CP-203R. Kindly confirm our understanding.	Bidder's understanding is not correct. The laying of OFC with route diversity from New Manauri station to Subedarganj Station of IR is in the scope of CP-203R contractor.
128.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 5.3.5.3, Page 457 of 638	Protection switching mechanisms shall be provided for the tributaries of the SDH Node. 2 Mbps tributaries shall be provided with 1:3 (Minimum) Protection and all the other tributaries shall be provided with 1+1 Protection.	In accordance to the referred clause, 2 Mbps tributaries shall be provided with 1:3 (Minimum). We understand that for 3 E1, one protection E1 will be provided. Kindly confirm our understanding.	Provisions of bid document are sufficiently clear.
129.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication	Whenever existing equipment provided under Contract Package CP-104 are upgraded / augmented / reconfigured to meet the requirement of this Particular Specifications, the available provision for redundancy in	We request the Employer to allow the Contractor to upgrade/augment the NMS installed at OCC under CP-104 and other contract packages for similar OEM, without compromising the available provision for redundancy in existing equipment	Provisions of bid document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	on Works PS Clause 5.1.4, Page 454 of 638	existing equipment shall not be compromised and subsequent to upgradation / augmentation/reconfiguration they shall meet the Technical Requirement and Performance Requirement as stipulated in this Particular Specifications.	for seamless integration. Kindly confirm.	
130.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 10.3.1 Page 521 of 638	Unless otherwise specified, all telecommunication equipment shall be designed for operation continuously in temperatures of -5°C to +55 °C.	As per our information, Communication devices such as Layer-3 and Layer-2 switches from world renowned OEMs work within the temperature range of 0°C to +45°C. Hence TER at all location should be consider as Class-A category. Kindly confirm.	Provisions of bid document are sufficiently clear. Please refer to Clause 4.6.3 & 4.6.4 of PS Telecommunication Works (Page no. 453 of 638).
131.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 6.1.8, Page 467 of 638	At Junction Stations & Crossing Stations, Wi-Fi Facility, compliant with IEEE 802.11g Standards shall be provided for WAN Connectivity to users (which also include drivers of passing trains) via Wireless Enabled Devices and Equipment. A minimum of 10 simultaneous users may use the Wi-Fi Connectivity at Stations. This Wi-Fi Facility shall as a minimum cover Station Buildings and EDFC Tracks up to 500 meters in both directions	a) We request the Employer to kindly provide the central point on which coverage of 500 meters is required. b) Kindly provide the total distance for Wi-Fi coverage on platform, and both sides of platform also.	a) From centre of station building. b) Provisions of bid document are sufficiently clear.
132.	Part-2, Section VI, Volume 8 Particular Specifications,	Wherever, existing equipment provided under Contract Packages CP-104, are upgraded /augmented to meet the requirements of this Particular Specifications, the available	We request the Employer to allow the Contractor to upgrade/augment the NMS installed at OCC under CP-104 and other contract packages for similar OEM, without compromising the available	Provisions of bid document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Telecommunication Works PS clause 6.1.11, Page 467 of 638	provision for redundancy in existing equipment shall not be compromised and subsequent to upgradation/ augmentation they shall meet the Technical Requirement and Performance Requirement as stipulated in this PS	provision for redundancy in existing equipment for seamless integration.	
133.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 4.5.1(5), Page 452 of 638	All active equipment shall have LED indications indicating: (1) Normal operating conditions. (2) Normal power supply. (3) Alarm conditions.	We request you to modify the relevant clause as "Major equipment" in place of "active equipment" as it is more relevant.	Provisions of bid document shall prevail.
134.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 8.5.6.4 (15) Page 507 of 638	Driver Man-Machine interface shall be installed in the leading cab and also the trailing cab (if available) of each rolling stock.	We understand that twin MMI needs to be provided with each Cab Radio. Kindly confirm.	Provisions of bid document are sufficiently clear.
135.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication	In sections, where track alignment of EDFC Phase-2 is running parallel to the existing Ghaziabad-Mughalsarai Section of Indian Railway, Base Transceivers Stations (BTSS) of Indian Railway will be shared by DFCCIL.	We understand that where-ever existing railway track coverage and parallel track coverage is overlapped, a smooth handover shall be bidder's responsibility.	Provisions of bid document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	on Works PS Clause 8.5.1.1 Page 502 of 638	Any up-gradation or strengthening required at BTSS of Indian Railway, for smooth handover between BSSs of Indian Railways and DFCCIL, shall be done by the Contractor.	Kindly confirm.	
136.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 8.3.2.2 Page 492 of 638 & PS Clause 8.5.3.5 Page 506 of 638	<p>The adequate coverage level for an operational radio & general-purpose radio at 1.5 meter above ground, for at least 95% of the time over 95% of the following designated areas along the detours shall be available to meet system service requirements.</p> <p>The coverage level for a radio is defined as minimum field strength of downlink available at 4 metre above ground for atleast 95% of the time over 95% of the area. The Ghaziabad-Mugalsarai Section of Indian coverage level of –95 dbm above Railway Track. Railways is being provided with minimum coverage level of –95 dbm above Railway Track.</p>	<p>We understand that the Bidder needs to consider MS height of 4m above the ground/track for all Link Budget calculations in detour.</p> <p>Kindly confirm.</p>	Provisions of bid document are sufficiently clear.
137.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 8.5.3.6	The coverage level shall be designed to provide satisfactory indoor and outdoor coverage in detour section for an operational radio and general purpose radio for all areas as specified,including indoor areas for which an extra margin shall be considered. Accordingly, minimum coverage level of -78 dbm in outdoor terrain shall be available.	We request the Employer to kindly provide the Latitude-Longitudinal details for detour sections, route and stations planned for carrying out Radio planning.	Request not accepted. Please refer Clause 8.5.3.11 of PS Telecommunication (Page 506 of 638).

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Page 506 of 638			
138.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 8.5.3.12 Page 506 of 638	RF signal strength/coverage shall be measured for outdoor as well as indoor areas for down link and results submitted to the Engineer for review as part of System Acceptance Test. To improve the indoor coverage additional measures shall be taken by the Contractor if so required.	We understand that, the radio coverage levels of Indian Railway network and DFCC detours are at different levels. Hence, for parallel sections, whatever coverage, signal level is being provided by Indian Railway network shall only be made available for this project as well. Kindly confirm our understanding.	Provisions of bid document shall prevail.
139.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 8.4.6.3 Page 502 of 638	Interoperability requirements: BSS being provided under this Contract shall be inter operable with Network Sub System (NSS) being provided for WDFC under Contract Package STP-5 and should be supported with conclusive IOT documentation.	EDFC radio networks are to be shared with Indian Railways' already operational, working GSMR network from DDU to Ghaziabad and also under support from OEM. Additionally, Indian Railways has 3 more MSC/Core working in their network and interconnected. Hence for operation of EDFC, technically there will not be any requirement to connect this radio to NSS/Core of STP-5, which will lead to inter MSC call routing, multiple hand overs, dependency on media. However, BSS provided under this contract shall be interoperable with NSS being provided under STP-5. Since, EU funded Interoperability tests are discontinued and not been conducted after year 2015 and for proposing latest versions, longer support availability, it is suggested that IoT are	Provisions of bid document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			to be requested, carried out as part of project with no additional cost to DFCC. We suggest modifying the clause accordingly for level fielding participation.	
140.	Part-2, Section VI, Volume 8 Particular Specifications, Telecommunication Works PS Clause 8.5.9 Page 509 of 638	Antenna Towers at Radio Base stations	We request the Employer to confirm whether the bidder can propose Monopole towers as they are cost effective and takes lesser space. Accordingly, the requested 40 years life of tower may be suitably amended. Kindly confirm	Provisions of bid document shall prevail.
141.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works PS Clause 2.2.5(2)(j)(iv) Page no 269 of 638	One spare set of card(s) fully programmed with site specific application/ configuration data shall be provided at each site. This shall be over and above the contract spares provide under Para 8.2.7.	Kindly confirm if one spare set of CPU cards per site can be considered even if multiple Evaluators required at site. We will be considering programme plugs with site specific application/ configuration data for each evaluator as spare. Kindly clarify whether our understanding is correct.	Provisions of bid document are sufficiently clear. Bidder's understanding is not correct.
142.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works	The transmission between Central Evaluator and Field units of UP and DN systems shall be in separate cables, preferably of different kinds, say OFC and quad.	Kindly confirm if contractor can use two separate quad cables for transmission between Central Evaluator and Field units of UP and DN systems.	Provisions of bid document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	PS Clause 2.2.5(2)(k)(ii) Page no 269 of 638			
143.	Part 2, Section V(B), Volume 7, Particular Specification Signalling Works PS Clause 2.2.5(2)(k)(ii) Page no 269 of 638	The transmission between Central Evaluator and Field units of Main and Supervisory systems shall be in separate cables, preferably of different kinds, say OFC and quad.	Kindly confirm if contractor can we use two separate quad cables for transmission between Central Evaluator and Field units of Main and Supervisory systems.	Provisions of bid document shall prevail.
144.	General	Typical Earthing Bonding and surge protection arrangement	Kindly confirm whether OEM of MSDAC can implement Earthing and Surge protection arrangement based on their system architecture and as per the best practice followed by them for safety of system.	The Annexure-I & II of Appendix-6 given in the Bid Document are indicative. Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor.
145.	Part 2 Section V(A), Volume 6 GS Appendix 15 Pg. 241 of 638	280 DP's of MSDAC Equipment (Frauscher make)	Kindly confirm whether for inspection-design-installation-commissioning (PAT, SAT & ITC), Training and even in DNP (Defect Notification Period) of these 280 DP's of Frauscher make, DFCCIL will guarantee the full support & knowledge sharing by the OEM i.e. Frauscher,	Please refer to S.No. 28 & 68 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			<p>to the successful bidder.</p> <p>Additionally, kindly provide the details of already installed Frauscher make MSDAC equipment (if any) along with the approved interface drawings so that we can estimate the requirement of remaining work.</p>	
146.	<p>Part-1, Section-III, Evaluation and Qualification Criteria, Clause 2.5 Personnel</p> <p>Page No. 53-55 of 638</p>	<p>*Minimum 2 (two) years outside India experience in at least one Project</p> <p>**Minimum 5 (five) years outside India experience in at least two Projects</p>	<p>In the tender document it is mentioned that foreign experience is required for certain key positions namely,</p> <ul style="list-style-type: none"> a) Project Director** (Signalling & Telecommunication) b) Sr. Design Engineer * (Telecommunication) c) System Integrator* d) Project Manager * (Telecommunication) <p>It may be noted that the expertise required to execute such projects is available in India and can be exhibited clearly through experience in Indian projects. Apart from the technical expertise of their domain of the key personnel, the experience of project environment in India shall also be very important for the project's success.</p> <p>As per Government of India policy of "Atmanirbhar Bharat", or "self-reliant and self-</p>	<p>Please refer to S.No. 14 of Addendum No. 2.</p>

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply													
			<p>sufficient India”, we believe that the Employer should promote Indian Products and Services wherever possible.</p> <p>Requirement of foreign experience shall force Bidders to consider Expats which will increase the project cost.</p> <p>Therefore, we feel that the requirement of outside India experience for the above key personnel should not be made mandatory and accordingly request you to also consider the experience of the specified key personnel in such works for Indian Projects as per specified years in the tender documents.</p>														
147.	<p>Part-1, Section-III, Evaluation and Qualification Criteria, Clause 2.5 Personnel</p> <p>Page No. 53-55 of 638</p>	<table border="1"> <thead> <tr> <th rowspan="2">SN</th><th rowspan="2">Key Position</th><th colspan="3">Minimum Qualifying Requirement</th></tr> <tr> <th>Total Work Experience (years)</th><th>Experience in Similar Works (years)</th><th>Minimum Education Qualification</th></tr> </thead> <tbody> <tr> <td>4.</td><td>System Integrator*</td><td>15</td><td>5**</td><td>B.E. (Electrical / Electronics)</td></tr> </tbody> </table>	SN	Key Position	Minimum Qualifying Requirement			Total Work Experience (years)	Experience in Similar Works (years)	Minimum Education Qualification	4.	System Integrator*	15	5**	B.E. (Electrical / Electronics)	<p>In continuation to Q. No. 145, we have noted that at Key Personnel at Sl. No. 4 for System Integrator, outside India experience requirement has been mentioned as 2 years under column 2 (* marked under Key Position) and 5 years under column 4 (** marked under Experience in Similar Works).</p> <p>We request you to kindly modify and accept experience in similar projects executed in India as per our request made at Q.No.145.</p>	<p>Please refer to S.No. 14 of Addendum No. 2.</p>
SN	Key Position	Minimum Qualifying Requirement															
		Total Work Experience (years)	Experience in Similar Works (years)	Minimum Education Qualification													
4.	System Integrator*	15	5**	B.E. (Electrical / Electronics)													
148.	Part-1, Section-	The Bidder shall give an undertaking to	We understand that as a part of Technical	Bidder's understanding is													

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	III, Evaluation and Qualification Criteria, Clause 2.5 Personnel Page No. 53 of 638	arrange the following minimum key personnel of requisite experience and qualification (minimum graduate in relevant field) during the execution of the work in addition to semi-skilled and skilled staff.	Submission the Bidder only needs to furnish an undertaking (in their own format) for arranging the key personnel, semi-skilled and skilled staff during the execution stage and no CVs are required to be submitted at this stage. Kindly confirm our understanding.	correct.
149.	Part-1, Section-IV, Bidding Forms, BDF-10 Form of Bid Security (Bank Guarantee) Page No. 77 of 638	We have been informed that name of the Bidder. (herein after called "the Bidder") has submitted to you its bid dated (herein after called "the bid") for the execution of name of work. under Invitation for Bid No. ("the IFB").	The referred format of Bank Guarantee for Bid Security requires the bidder to furnish bid submission date (refer red highlighted text). It may be noted that the BG is processed much before the bid submission. Any extensions in Bid submission date due to amendments may not get captured in the BG and hence the original submission date may not remain valid at the time of actual submission. We have faced this situation in the past tenders wherein due to this clause, we were required to amend the BG which is a tedious task. We, therefore, request you to replace this requirement from BG format with " <i>has submitted to you its bid for the execution of.....</i> "	Please refer to S.No. 10 of Addendum No. 2.
150.	Part-1, Section-IV, Bidding Forms, BDF-17 Pre-Contract Integrity Pact	This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on----- -----day of the month of----- 20xx, between, on one hand, the DFCCIL acting through Shri ----	The referred BDF form requires the bidder to furnish their Chief Executive Officer's name. We understand that this pre-bid pre-contract Agreement should be made between DFCCIL and the Attorney / Authorised Signatory of the	Please refer to S.No. 17 & 18 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Page No. 86-89 of 638	Designation of the officer, (hereinafter called the CLIENT, which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/s----- represented by Shri -----Chief Executive Officer (hereinafter called the "BIDDER/SELLER" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second part.	<p>Bidder (Sole Bidder / Consortium/ JV) as Chief Executive Officer may not necessarily be the authorised signatory for this project. Any person representing the bidder in the capacity of the Attorney/ Authorised signatory through a valid power of attorney should be accepted by the Employer to sign this agreement.</p> <p>We therefore request you to remove the designation of Chief Executive Officer from this format and replace it with the Attorney / Authorised Signatory supported by a copy of Power of Attorney.</p>	
151.	Part-3, Section-VII, Particular Conditions of Contract, Sub Clause – 8.3 Page No. 598 of 638	Each programme shall take into account the progress of the Works under execution of Civil Works Contracts [Package 201 & 202] as well as that of Electrical Works Contract (Package 204) of the same section under the same Project [Eastern Dedicated Freight Corridor Project-2].	We request you to furnish the current status and progress of Civil Works Contracts [Package 201 & 202] to plan for the work program as the same couldn't be ascertained through site visit.	Please refer Sub-clause 2.1 under Appendix to Tender (Page 612 of 638) of bid Document.
152.	Part-3, Section-VII, Particular Conditions of Contract, Sub Clause – 8.4 Page No. 598 of 638	<p>Extension of Time for Completion:</p> <p>Delete “(d)” and substitute as under:-</p> <p>Unforeseeable shortages in the availability of Goods caused due to changes in laws in accordance with the provisions of Sub-Clause 13.7</p>	<p>In view of the present Covid-19 situation and uncertainty in availability of skilled labour, goods and services, we request you to retain the original FIDIC clause read as “Unforeseeable shortages in the availability of personnel or Goods caused by epidemic or governmental actions”.</p> <p>Kindly confirm.</p>	Request not accepted. Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
153.	Part-3, Section-VII, Particular Conditions of Contract, Sub Clause – 8.7 Page No. 598 of 638	Delay Damages: In the event that the Contractor fails to achieve any Milestone on the date set forth for such Milestone in the Time for Completion, unless such failure has occurred due to Force Majeure or for reasons solely attributable to the Employer, the Contractor shall pay Delay Damages to the Employer.....	We understand that any pandemic (like Covid-19), endemic shall also be identified under the ambit of Force Majeure condition. Kindly confirm.	Provisions of Bid Document shall prevail.
154.	Part-3, Section-VII, Particular Conditions of Contract, Sub Clause – 17.3 Page No. 609 of 638	Employer`s Risks: Sub-paragraph (h) - Delete	In view of the present Covid-19 situation which was and continues to be an unforeseeable force of nature, we request you to retain original FIDIC clause read as “ (h) 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.”	Request not accepted. Provisions of Bid Document shall prevail.
155.	Part 2, Section V(A) Vol 5, General Specifications, Clause 14.2 Temporary Works Page No. 152 of 638	(3) Construction Depot: b) In case spare land is available with the Employer the same can be handed over to the Contractor free of cost for the purpose of establishing temporary construction depot(s). However, whenever Employer requires this portion of land back, the same shall be handed over to the Employer with a month's notice at no extra cost/compensation to the Contractor.	a) We understand that Employer shall provide the existing stores built by past contractor of CP-203 to the designated contractor of CP-203 (R). Kindly confirm. b) We request the employer to furnish the locations of existing stores to plan for the deployment of P&M and accordingly build the mobilisation cost as per respective locations.	a) The existing store built by past contractor of CP-203 shall not be provided to successful bidder/contractor. b) Successful bidder shall interface with Engineer. c) Free Land for store shall be provided as per bid document d) Successful bidder shall

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			<p>c) We understand that in case the existing stores are not to be used by the CP-203 Contractor, the Employer shall provide land free of cost for construction for stores where materials and equipment etc. could be stored for the construction purposes. Kindly confirm.</p> <p>d) Kindly provide approximate area of land that might be made available for constructing a new store in case the existing store/(s) cannot be used by the designated CP -203 (R) contractor.</p>	interface with Engineer.
156.	<p>Part-2, Section-V(A), Vol.1, General Specifications, Clause 2.2.6</p> <p>Page No. 111 of 638</p>	The work under scope of Contract Package CP-204 shall also include electrification of all Residential and Service Buildings of EDFC Phase-2 (including S&T Service Buildings to be built under Contract Package CP-203R).	We understand that electrification works of all S&T service buildings is under the scope of CP-204. This includes all LC gates, Auto Location huts (ALH) in sections, and Relay huts (RHs) used for Distributed Architecture at Stations.	Bidder's understanding is correct.
157.	<p>Part-2, Section-V(A), Vol.1, General Specifications, Clause 2.2.7</p> <p>Page No. 111 of</p>	The provision of Mains Power Supply(from Local Supply, Up & Dn AT Supply & DG Sets) for Signalling & Telecommunication Systems at Stations, Level Crossing Gates, Auto Location Huts, GSM-R Locations, IMDs/IMSDs and Residential Complexes is covered Contract Package CP-204.	The referred clause does not mention about the Power supply provision at Relay Huts used for Distributed Architecture at stations. Kindly clarify the same.	Relay huts being part of station, the power supply as stipulated in Clause 2.2.7 of Part-2, Section-V(A), Vol.1, General Specifications shall be covered under Contract Package CP-204.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	638			
158.	Part-2, Section-V(A), Vol.1, General Specifications, Clause 4.3 Page No. 111 of 638	The Contractor shall execute all Temporary Works required to facilitate construction/installation and the cost thereof shall be included in the overall bid price. All temporary arrangements and works shall be designed and necessary drawings developed to ensure safety during construction/installation. As a rule, Temporary Works shall be subsequently dismantled and removed by the Contractor after construction/installation, at his own cost. The Engineer, however, may permit/instruct retention of some of the Temporary Works with mutual consent between the Contractor and the Engineer.	We understand that in case the successful bidder is not utilizing the executed works from previous contractor, they shall not be liable for dismantling and removal of such works from site as this will lead to extra cost implication to the bidder. Kindly confirm.	Please refer to Note at Page 189 of 638. Any alteration/addition shall be done by S&T Contractor.
159.	Part-2, Section-V(A), Vol.1, General Specifications, Clause 4.4 (viii) Page No. 113 of 638	The Contractor shall be responsible for obtaining relevant certificates or clearances from local/civil authorities/Commissioner of Railway Safety viz. completion certificate, fire clearance or any other mandatory clearances which may be specified by these authorities from time to time.	We request the client to provide a copy of certificates/ clearances obtained by previous contractor from local/ civil authorities/ commissioner of Railway safety viz. completion certificate, fire clearance or any other mandatory clearances specified by these authorities. It shall be helpful in saving time for obtaining further clearances.	Request not accepted. Provisions of Bid Document shall prevail.
160.	Part-2, Section-V(A), Vol.1, General Specifications, Clause 16.0 (4)	No claim by the Contractor on the grounds of lack of foresight or knowledge of the site conditions or any unknown parameters shall be considered.	Based on the various risks pertaining to existing supplies and uncertainty of the executed works, we propose that the Employer should indemnify the contractor for cost and time for any faulty/unusable supplies, installation, erection, and civil works done by past contractor.	Please refer to S.No. 60 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Page No. 122 of 638		<p>Clearly, the designated contractor cannot be held responsible for any faults in the system due to the poor workmanship/ deterioration of past supplies/execution.</p> <p>We request the Employer to amend the clause suitably to indemnify CP-203(R) contractor for all past supplies and executed works for CP-203 project.</p>	
161.	Part-2, Section-V(A), Vol.1, General Specifications, Clause 2.0 (1) Page No. 139 of 638	CONTRACTOR'S TEMPORARY WORKS DESIGN The Contractor shall, prior to commencing the construction of the Temporary Works, submit a certificate to the Engineer signed by him certifying that the Temporary Works have been properly and safely designed and checked and that the Contractor has checked the effect of the Temporary Works on the Permanent Works and has found this to be satisfactory.	a) In case the Contractor find that the cables laying is not in line with the approved CCP/CRP, then the contractor must be compensated with extra cost and time for additional work in excavating and removing the existing cable. We request you to kindly confirm the same. b) In case the Contractor has to perform any additions tests / retests of the free issue supplies and executed works, the same shall be compensated at actuals. Kindly confirm.	a) Please refer to S.No. 60 of Addendum No. 2. b) No additional payment/ compensation will be made for any additional tests/retests. Please also refer sub-clause 4.20 of General Conditions of Contract.
162.	Part-2, Section-V(A), Vol.1, General Specifications,	The materials delivered/supplied by the contractor to the site and offered for inspection shall be manufactured normally not earlier than one (1) year and their guarantee	We understand that this clause shall not be applicable to the free issue materials to be handed over to the winning contractor.	Please refer to S.No. 28 & 68 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Clause 15.0 (7) Page No. 153 of 638	period shall cover the Defects Notification Period. However, the specified period of Manufacturer's Warranty shall commence from the date of commissioning of the work and all the manufacturer's Warranties shall be in the name of Employer.	There may be a situation where Warranty for some of the materials may be expired at the time of handover. The designated contractor shall not be held responsible for any faults arising due to fault in those materials. Kindly confirm.	
163.	General	S&T Drawings	We understand that Autocad versions of the approved S&T drawings (SIPs etc.) shall also be handed over to the successful bidder.	The SIPs appended at Part-4, Reference Documents are indicative and only pdf version of the same shall be provided. These SIPs shall be reviewed and revalidated by the contractor from Signalling & Interlocking point of view.
164.	Part-2, Section-V(B), Vol.7, Particular Specifications, Signalling Works Clause 1.5.1 & 1.5.2 Page No. 257 of 638	1.5 Contractor's Responsibility for Discrepancy: 1.5.1 - All designs and drawings submitted by the contractor shall be based on a thorough study and shall be such that the contractor is satisfied about their suitability. The Engineer's approval will be based on these considerations, notwithstanding the approval communicated by the Engineer, during the progress of the contract for designs and drawings, prototype samples of components, materials and equipment after inspection of materials, after erection and adjustments to installations. The ultimate responsibility for correct design and execution of work shall	The referred clause should not be applicable to the designs (SIPs etc.) and materials to be handed over to the successful bidder as those are already approved by DFCCIL as per the inputs from previous contractor. SIP forms the basis of all the Signalling designs. In case of any alteration of works arising from any discrepancies, errors or omissions in the design and drawings already approved by DFCCIL and handed over to the contractor, the contractor shall not be held responsible and shall not bear the costs for any alteration works.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor. As per clause 2.2.3(4)(a) of PS Signalling Works, The Alignment Plans Yard plans and Signal Interlocking plans (SIP) have been provided under Part 4 – Reference documents. These shall be

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		rest with the contractor. 1.5.2 - The contractor shall be responsible for and shall bear and pay the costs for any alteration of works arising from any discrepancies, errors or omissions in the design and drawings supplied by him, whether such designs and drawings have been approved by the Engineer or not.	In view of the above, we had proposed vide our Query No. 29 (Set-1) for incorporating new line items in the existing price schedule giving the list of executed S&T works in a manner that the bidder shall quote the unit rates for any additional work which will be used for compensating the bidder during execution stage in case the executed S&T works are found not to be in line with the approved designs.	reviewed and revalidated by the contractor from Signalling & Interlocking point of view. Please also refer to S.No. 60 of Addendum No. 2.
165.	Part-2, Section-V(B), Vol.7, Particular Specifications, Signalling Works Clause 5.2.2 (9) Page No. 337 of 638	Some of the buildings (SER/TER) will be made available to the contractor. The detailed status of these buildings (build/partially build/completed) has been provided under Appendix-15, Part-2, Section V(A). Any alteration/addition shall be done by the S&T Contractor.	In case of any inferior quality of work done by the previous contractor or in case of any deterioration, the designated contractor cannot be held responsible for such faults. It is impossible for bidders to inspect the quality (or the lack of it) of already executed building works. We request the Employer to amend the clause suitably to indemnify CP-203(R) contractor for all such executed works for CP-203 project and compensate the contractor for any rework that is necessary on the partially executed works by CP-203 contractor.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor. Please refer to S.No. 60 of Addendum No. 2.
166.	Part-2, Section-V(B), Vol.7,	A labelling scheme shall be applied for all cables installed. Each cable shall be uniquely	We understand that the same labelling scheme has been adopted by the previous contractor. It	The successful bidder shall have to interface with the

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Particular Specifications, Signalling Works Clause 5.3.1 (7) Page No. 339 of 638	identified. Labels shall be tied at both ends, at entry and exit points of cable trays, ducts and trenches and at appropriate locations where necessary. Labels shall be provided at about 100 m spacing on complete length of all sizes of cables. Type of labels to be used shall be got approved from the Engineer.	shall help the successful bidder in identifying the cables already laid in section for termination and other purposes. Kindly confirm.	Engineer for labelling scheme.
167.	Part-2, Section-V(B), Vol.7, Particular Specifications, Signalling Works Clause 5.3.2 (3) Page No. 339 of 638	Adequate spare conductors to a minimum of 20% of the total conductors used shall be provided for in each main cable. All branch/tail cables shall have at least 10% spare cores or 2 cores, whichever is more. The spare conductors shall be provided in the outermost layer. All spare cores shall be made through up to the end points and terminated. Two nos. of 12 core dedicated spare cable may be provided in the station area from Home signal to Home signal and terminated in all locations for instant transfer of these dedicated conductors during cable failure and cable testing.	We request you to confirm that adequate quantity of spare conductors as per the referred clause is maintained for the cables already laid by the previous contractor. This shall help us in accurate estimation of the cable quantities. Kindly confirm.	Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E). Please refer to S.No. 60 of Addendum No. 2.
168.	Part-2, Section-V(B), Vol.7, Particular Specifications, Signalling Works Clause 5.3.7 (12) Page No. 342 of 638	The cables used for providing redundancy/ring circuit in signalling circuits shall be laid in different trenches/ducts, separated by DFCCIL/IR track(s). In case, if site conditions necessitate that the trenches/ducts are to be made on the same side of DFCCIL/IR track(s)), then it should be done with the prior approval of the Engineer with two trenches made with separation of at least	As per our observation during the site visit to Ekari section on 10 th Sep 2020, with reference to the trenching and cable laying works already executed, two trenches were present at DFCCIL side. In case the contractor is needed to lay another trench at the same location and ROW is not available for the same, kindly confirm the	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The methodology to be adopted with the approval of Engineer shall be in the scope of Contractor.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		4 metres, and trench/duct farther from the DFCCIL track having depth of 1.7metres. Wherever 4 meters separation is not available/ achievable, the cable laying shall be done as proposed by the Contractor and approved by the Engineer.	methodology for carrying out trenching and cable laying in such areas.	
169.	Part-2, Section-V(B), Vol.7, Particular Specifications, Signalling Works Clause 5.3.7 (13) Page No. 343 of 638	At each end of the main cable an extra loop length of 6 to 8 metre shall be kept.	We request you to confirm that extra loop length of 6 to 8 metres have been kept by the previous contractor at places where cables have already been laid. This will help us in accurate estimation of cables. Kindly confirm.	Bidders need to verify these details themselves. Any assistance in this regard shall be provided by CGM/ALD(E). Please refer to S.No. 60 of Addendum No. 2.
170.	General	Ground improvement	There is no mention of ground improvement requirement mentioned in tender. Hence, we infer that no ground improvement is required in ALH and RH locations. Kindly confirm. Kindly confirm that any scope of ground improvement for partially completed works is not included in the scope of this contract.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. Successful Bidder shall be responsible to complete construction of S&T Service Buildings as stipulated in the Employer's Requirements.
171.	Part-2, Section-V(B), Vol.9, Particular Specifications,	The foundations of buildings shall be designed for at least one story more than the requirement.	From the referred clause, we understand that only the foundations of the building will be designed for one storey more than the requirement and not the entire structure.	Only the foundations of the buildings shall be designed for at least one storey more than the requirement.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Building & Civil Structure Works Clause 1.4.6 (7) Page No. 577 of 638		Kindly confirm our understanding.	
172.	General	Foundation	We understand that foundation for any structure, building can rest on compacted earth fill. Kindly confirm our understanding.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. Successful Bidder shall be responsible to complete construction of S&T Service Buildings as stipulated in the scope of work.
173.	General	Scope of work	We understand that Auto location huts (ALHs) and Relay Huts (RHs) as per the list mentioned in part 5 of tender document (Page 152-153 of 154) are the only part of scope of building and structure works. Kindly confirm.	Please refer to Clause 1.2.1 of PS Building & Civil Structure works (Page 575 of 638).
174.	General	Structural Drawings	As the ALHs and RHs have already been partly executed, we request the employer to provide the complete set of approved structural drawings of all ALHs and RHs in the project scope for bidder's reference and consideration.	Please refer Typical GAD of ALH & RH appended at Part-4, Reference Documents. The detailed drawings will be provided to the successful bidder.
175.	General	Earth Fill	We request the employer to provide the location-wise status of earth fill level where building	Bidders need to verify these details themselves. Any

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			<p>construction (ALH or RH) had not commenced for Bidder's consideration. Alternatively, employer may provide L-section drawings for ALH and RH locations for our reference.</p> <p>Further, we understand that earth fill shall be required in the locations where only excavation has been carried out and no earth fill shall be required in all other locations. Kindly confirm our understanding.</p>	<p>assistance in this regard shall be provided by CGM/ALD(E).</p> <p>Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. Successful Bidder shall be responsible to complete construction of S&T Service Buildings as stipulated in the Employer's Requirements.</p>
176.	<p>Part-2, Section-V(B), Vol.9, Particular Specifications, Building & Civil Structure Works</p> <p>Page No. 580 of 638</p>	Signal and Telecom Equipment room Layout	<p>We have observed that there is mismatch in floor layout plan of Signal and Telecom Equipment room in the Auto Location Hut given in tender document and the GAD of Auto Location Hut shared by the client (under drawings folder).</p> <p>We request the employer to indicate the correct GAD to be followed by bidder.</p>	Please refer to S.No. 58 & 59 of Addendum No. 2.
177.	General	Soil Report	The Employer is requested to share the location-wise Geotechnical investigation data to ascertain SBC values, Ground water table, HFL, soil profile, etc. for all the ALH & RH locations where building construction has not commenced for bidder's consideration.	Bidders need to verify these details themselves. Any assistance in this regard shall be provided by CGM/ALD(E).

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
178.	General	Retaining Wall	We request the employer to provide the ROW availability at all ALH and RH locations. This is necessary to ascertain the requirement of retaining wall in these locations.	Bidders need to verify these details themselves. Any assistance in this regard shall be provided by CGM/ALD(E).
179.	Part-2, Section-V(B), Vol.9, Particular Specifications, Building & Civil Structure Works Clause 1.4.6 (3) Page No. 576 of 638	The plinth level of Signalling Equipment Rooms, Telecommunication Equipment Rooms and Signalling & Telecommunication Power Supply Equipment Rooms in ALH/RH/LC Gates shall be at least 300mm above the Rail Level for embankment height upto 2 mtrs and 600mm above HFL/900mm above ground level whichever is higher for embankment height of more than 2 mtrs.	We request the employer to share location-wise details of rail height from existing ground level to ascertain the building plinth level for non-constructed ALH/ RH locations for our reference.	Formation alignment and level are given in Part-4, Reference Documents. Bidders need to verify these details themselves. Any assistance in this regard shall be provided by CGM/ALD(E).
180.	Part-2, Section-V(B), Vol.9, Particular Specifications, Building & Civil Structure Works Clause 1.4.6 (5) Page No. 577 of 638	Chain Link Fencing	Bidder understands that fencing works for all the ALH/ RH locations as listed in Page 152-153 of 154 are under the scope of this project. Accordingly, the Employer is requested to share the reference approved drawing of chain link fencing required for ALH/ RH for bidder's consideration.	Please refer to S.No. 67 of Addendum No. 2.
181.	Part-2, Section-V(B), Vol.9, Particular Specifications, Building & Civil	The enclosed area between Chain Link Fencing and the building shall then be filled with the earth up to Rail Level as well as compacted by a suitable method as decided by Engineer.	Bidder understands that the earth filling for the area enclosed between Chain Link Fencing and the building (ALH/RH) shall be done till the level of Rail level plus 300 mm in case of track embankment height up to 2 mtrs.	Please refer to Clause 1.4.6(8) of PS Building & Civil Structure works (Page 577 of 638).

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Structure Works Clause 1.4.6 (5) Page No. 577 of 638		For locations with embankment height more than 2 mtrs, this filling shall be done as per the plinth level based on maximum of HFL + 600mm/ Ground level + 900mm criteria. Kindly confirm our understanding.	
182.	General	ALH & RH Building GADs and location plans	We request the employer to provide the approved GA drawings and location plan for ALH and RH for Bidder's reference.	Please refer Typical GAD of ALH & RH appended at Part-4, Reference Documents.
183.	Part-1, Section-I: Instructions to Bidders Cl. 4.1 (b) Page no. 11 of 93	4.1 A Bidder shall be a private, public or Govt. owned legal entity or any combination of them in the form of joint venture (JV) with a formal intent to enter into an agreement or under an existing agreement in the form of a Joint Venture (JV). 4.1 b. In case of Joint Venture: i) Separate identity/name shall be given to the Joint Venture	Kindly confirm that the Un-incorporated Joint Venture (i.e. Consortium) is allowed to participate in the Tender, where Unincorporated Joint Venture or Consortium members are jointly and severally liable and a Lead Member shall be appointed by the Consortium / Unincorporated JV who shall have the authority to conduct business for and on behalf of other parties of the Consortium / Unincorporated JV.	Please refer Sr. No.1 & 3 of Addendum No. 2
184.	Part-1, Section-I: Instructions to Bidders Cl. 4.1 (xviii); Page no. 11 of 93	v) One of the members of the JV shall be its lead member who shall have majority (at least 51%) share of interest in the JV. The other members shall have a share of not less than 20% each in case of JV with up to 3 members and not less than 10% each in case of JV having more than three members.	We would request you to waive off this minimum participation requirement in case the consortium members are group/sister companies (associates). As a result of this clause, international participants who form a consortium with their Indian subsidiaries would be required to have at least 20% participation if they bring in the technical/financial credentials. This would prevent them from localising their operations and making a competitive offer. This also goes	Please refer Sr. No.1 & 3 of Addendum No. 2

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			<p>against the spirit of the "Make in India" initiative that invites foreign players to setup local operations in India. Any concerns on the performance of the Indian subsidiary would be alleviated as the members of the consortium are anyway jointly and severally liable.</p>	
185.	Part-1, Section-I: Instructions to Bidders Cl. 4.1 (xviii); Page no. 11 of 93	xviii)On issue of LOA (Letter Of Acceptance), the MOU/JV agreement among the members of the JV to whom the work has been awarded, with the same shareholding pattern as was declared in the MOU/JV Agreement submitted along with the Bid, shall be got registered before the Registrar of the Companies under 'The Companies Act-2013' (in case of Company) or before the Registrar/Sub-Registrar under 'The Indian Partnership Act, 1932 (in case of Partnership Firm) or under 'The LLP Act 2008' (in case of LLP). A separate PAN shall be obtained for this entity. The documents pertaining to this entity including its PAN shall be furnished to the DFCCIL before signing the contract agreement for the work.	We request DFCCIL to allow Bidder to participate as Un-incorporated Joint Venture (i.e. Consortium) where Lead Member shall be appointed by the Consortium / Unincorporated JV who shall have the authority to conduct business for and on behalf of other parties of the Consortium / Unincorporated JV. We would also like to highlight that Un-incorporated Joint Venture (i.e. Consortium) are already allowed by various Railway / Metro entity for submission of Bid.	Please refer Sr. No.1 & 3 of Addendum No. 2.
186.	Part-1, Section-I: Instructions to Bidders Cl. 7; Page no. 17 of 93	A prospective Bidder requiring any clarification of the Bidding Documents shall contact the Employer in writing at the Employer's address specified in the BDS or raise its enquiries during the pre-bid meeting in accordance with ITB 7.4. The Employer will respond in writing to any request for	Request DFCCIL to extend the timeline for submission of request for clarification by Bidder by minimum of 4 weeks from current 18 th Sept 2020.	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		clarification provided that such request is received 3 working days after pre-bid meeting. Should the Employer deem it necessary to amend the Bidding Document as a result of a request for clarification, it shall do so following the procedure under ITB 8 and ITB 23.2.		
187.	Part-1, Section-I: Instructions to Bidders Cl. 18; Page no. 22 of 93	18.1 The bidder shall quote a lump sum cost in Indian Rupees. Payments shall be made as per billing process laid down in Financial Bid Part-5 – Price Schedules of Bidding Document.	<p>1. We request DFCCIL to allow the bidders to submit the offer in INR and 2 fully convertible foreign currencies.</p> <p>2. Subsequently payments shall be made to the successful bidders in respective currencies as submitted during tender phase.</p> <p>OR</p> <p>Request DFCCIL to allow bidder to quote the lump sum amount for the tender in INR and 2 fully convertible foreign currencies, and payment by DFCCIL to contactor shall be done only in INR, by converting the Foreign currencies to INR as per the exchange rate applicable on date of payment.</p> <p>Kindly confirm.</p>	Request not accepted. Provisions of Bid Document shall prevail.
188.	Part-1, Section-I: Instructions to Bidders Cl. 18; Page no. 22 of 93	18.1 The bidder shall quote a lump sum cost in Indian Rupees. Payments shall be made as per billing process laid down in Financial Bid Part-5 – Price Schedules of Bidding Document.	We understand that each member of JV/consortium (local or foreign entity) can raise separate invoice and receive separate payment for their respective scope of works as defined in JV/Consortium agreement.	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
189.	Part-1, Section-I: Instructions to Bidders Cl. 22; Page no. 24 of 93	22.1 The Bidder shall enclose the original of the Technical Proposal, the original of the Financial Proposal, and two copies of the Technical Proposal, in separate sealed envelopes, duly marking the envelopes as "ORIGINAL – TECHNICAL PROPOSAL", "ORIGINAL - FINANCIAL PROPOSAL" and "COPY NO... - TECHNICAL PROPOSAL", as appropriate.	Considering the various restrictions imposed by state and central government due to ongoing pandemic, we request DFCCIL to allow Bidder to submit the Bid online (i.e. uploading the signed and scanned copy of bid).	Request not accepted. Provisions of Bid Document shall prevail.
190.	Part-1, Section-II: Bid Data Sheet: ITB 20.1; Page no. 39 of 93	The bidder should submit along with the bid, a bid security of INR 5.2 crore (Rupees Five Crore Twenty Lakhs) in favour of "Dedicated Freight Corridor Corporation of India Ltd., New Delhi" in any of the following forms: (iii) FDR/Banker's Cheque /Demand draft/Net Banking/Payment Gateway for Rs. 30 Lakh and Bank Guarantee on format (BDF-10) from Nationalised/ Indian Scheduled Commercial Bank for the balance amount.	We request DFCCIL to delete the requirement of FDR/Banker's Cheque /Demand draft/Net Banking/Payment Gateway as part of Bid security, instead kindly consider complete amount of bid security in form of Bank Guarantee.	Please refer to S.No. 7 & 10 of Addendum No. 2.
191.	Part-1, Section-II: Bid Data Sheet: ITB 26.1; Page no. 4- of 93	Tender Box for submission of Bid shall remain open: From 10:00 Hrs to 17:00 Hrs on all working days from 29.08.2020 to 13.10.2020 and on 14.10.2020 upto 1500 Hrs	Request client to extend the Bid submission date by minimum of 8 weeks, from current date of 14/09/2020	Please refer to S.No. 8 & 9 of Addendum No. 2.
192.	Part-1, Section-III: Evaluation and Qualification Criteria; Page no. 42 of	Section III Evaluation and Qualification Criteria 2. Qualification	We request DFCCIL to allow bidder to use the credentials of Associate company for meeting qualification criteria, without considering the associate company in JV/consortium. Definition of Associate with respect to the	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	93		<p>applicant is one who directly/indirectly controls, or are controlled by, or are under common control. As used in this definition, the expression “control” means, with respect to a person which is a company or corporation, the ownership, directly or indirectly, of more than 70% (Seventy per cent) of the voting shares of such person, and with respect to a person which is not a company or corporation, the power to direct the management and policies of such person by operation of law.</p> <p>We would like to highlight that most of Indian Railway tenders, funded by IR and issued by various IR subsidiaries such as CORE or Railway Board, etc. does consist of this provision. As an example, we have reproduced abstract of similar clause in IR tenders issued by:</p> <ul style="list-style-type: none"> • Railway Board 	

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			<p>2.2.9 In computing the Technical Capacity and Net Worth of the Applicant/ Consortium Members under Clauses 2.2.2, 2.2.4 and 3.2, the Technical Capacity and the Net Worth of their respective Associates would also be eligible hereunder.</p> <p>For purposes of this RFQ, Associate means, in relation to the Applicant/ Consortium Member, a person who controls, is controlled by, or is under the common control with such Applicant/ Consortium Member (the "Associate"). As used in this definition, the expression "control" means, with respect to a person which is a company or corporation, the ownership, directly or indirectly, of more than 50% (fifty per cent) of the voting shares of such person, and with respect to a person which is not a company or corporation, the power to direct the management and policies of such person by operation of law.</p> <p>1.10.2015 RFQ for RCF/ Kanchrapara Project</p> <p>• CORE</p> <p>2.2.9 In computing the Technical Capacity and Net Worth of the Applicant/ Consortium Members under Clauses 2.2.2, 2.2.4 and 3.2, the Technical Capacity and Net Worth of their respective Associates would also be eligible hereunder.</p> <p>For purposes of this RFQ, Associate means, in relation to the Applicant/ Consortium Members, a person who controls, is controlled by, or is under the common control with such Applicant or Consortium Members, as the case may be (the "Associate"). As used in this definition, the expression "control" means, with respect to a person which is a company or corporation, the ownership, directly or indirectly, of more than 50% (fifty per cent) of the voting shares of such person, and with respect to a person which is not a company or corporation, the power to direct the management and policies of such person by operation of law.</p> <p>• RailTel</p> <p>Essential Criteria</p> <p>In case of single entity participation, the bidder shall be ETCS Level 2 OEM who is UNISIG Full member and participation shall be direct by OEM or through subsidiary/associate firm only.</p> <p>Similarly in case of JV, the lead partner shall be ETCS Level 2 OEM who is UNISIG full member and participation shall be direct by OEM or through Subsidiary/associated firm incorporated in India as per Indian laws only.</p>	

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
193.	Part-1, Section-III: Evaluation and Qualification Criteria; Page no. 51 of 93	<p>2.3.1 (a) Specific Experience</p> <p>(i) The bidder/JV Firm or any member of the JV firm must have substantially completed in the last Ten previous financial years and the current financial year up to the date of invitation of Bid at least one single work for a minimum value of INR 183 Cr. (One Hundred Eighty Three Crore) and involving all components mentioned below:-</p> <p>a) Signalling works on Railway/ Metro Rail/ Suburban Rail transit system.</p> <p>b) Telecommunication works on Railway/ Metro Rail/ Suburban Rail transit system.</p> <p>c) Civil/Building/Structure works.</p> <p>.....</p> <p>3. In case of composite works contract, work must comprise different components for minimum values given in (ii)a, (ii)b and (ii)c above, for satisfying the eligibility criteria (ii) above</p>	<p>Considering the major scope of works for current tender comprise of Signalling and Telecommunication works, we request DFCCIL to delete the mandatory requirement of Civil/Building/Structure works as part of qualification criteria.</p>	<p>Provisions of Bid Document shall prevail.</p> <p>Please also refer Sr. No. 11 of Addendum No. 2.</p>
194.	Part-1, Section-III: Evaluation and Qualification Criteria; Page no. 44 of	<p>(5) In support of Form BDF-12 (Section IV) against eligibility criteria 2.2 the Bidders must submit:</p> <p><input type="checkbox"/> Certificate from client showing the details of payment received in a particular financial</p>	<p>We would like to highlight that, many Bidders must have many ongoing projects, for which it's not possible for bidder to collect the Certificate from client showing the details of each payment received. Thus, we request DFCCIL to delete</p>	<p>Request not accepted. Provisions of Bid Document shall prevail.</p>

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	93	<p>year, duly attested by Notary. and/or</p> <p><input type="checkbox"/> TDS certificate/the audited balance sheets and/or Photostat of TDS certificates/the audited balance sheets clearly indicating the contractual amount received.</p> <p><input type="checkbox"/> All documents, either original copy or Photostat should be duly attested by Notary.</p>	this requirement and instead allow Chartered Auditor signed for Financial forms	
195.	Part-3, Section-VII: Particular Conditions of Contract – SC 13.4	“The contract provides for payment of contract price in Indian Rupees only.”	In case if bidder constitute of consortium of foreign entity and Indian entity, we request client to allow bidder to quote the bid price in any other freely Convertible Currencies such as USD or Euro in addition to INR in separate accounts of consortium partners in compliance with FEMA guidelines	Request not accepted. Provisions of Bid Document shall prevail.
196.	Part-3, Section-VII: Particular Conditions of Contract – SC 14.2	The Employer shall make an advance payment, as an interest bearing loan for mobilisation and design, when the contractor submits a guarantee in accordance with this Sub-clause.	Request DFCCIL to provide contractor an interest free advance payment, which would help in improving the contractor cash flow thus submitting competitive offer	Request not accepted. Provisions of Bid Document shall prevail.
197.	Part-3, Section-VII: Particular Conditions of Contract – SC 14.9	A Retention amounting to 10 (ten) 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 DFCCIL to delete the requirement of retention amount.	Request not accepted. Provisions of Bid Document shall prevail.
198.	Part-3, Section-VII: Particular Conditions of	The Contract Price includes all duties, taxes, royalties,	<p>We understand that</p> <p>1. In case offshore supplies by foreign</p>	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Contract – SC 14.1	premiums for various insurances, licenses and fees that may be levied in accordance with the laws and regulations in force as on the Base Date	consortium member IEC of employer will be used and import will be in the name of Employer. 2. Bidder will be responsible for all customs clearance & payment of customs duties. Please confirm our understanding.	
199.	Part-3, Section-VII: Particular Conditions of Contract – SC 14.1	The Contract Price includes all duties, taxes, royalties, premiums for various insurances, licenses and fees that may be levied in accordance with the laws and regulations in force as on the Base Date	We understand that, in case of offshore supplies, the ownership of goods will be transferred to employer on CIF basis. Please confirm the same	Provisions of Bid Document are sufficiently clear.
200.	Part-3, Section-VII: Particular Conditions of Contract – SC 14.1	The Contract Price includes all duties, taxes, royalties, premiums for various insurances, licenses and fees that may be levied in accordance with the laws and regulations in force as on the Base Date	We request DFCCIL to confirm whether BOCW cess of 1% to be considered only on services/installation portion or on full contract value	Provisions of Bid Document are sufficiently clear.
201.	Part-3, Section-VII: Particular Conditions of Contract – SC 13.7	Adjustments for Changes in Legislation: The Contract Price shall be adjusted to take account of any increase or decrease in Cost after the Base Date resulting from:	EOT and Cost due to shortage of material caused by the authority / Government Resolution / Judicial Judgements should be allowed under change in the law / delay caused by authority.	Provisions of Bid Document shall prevail.
202.	Part 3 General Conditions / Sub Clause 10.2 Particular	10.2 Taking Over of Parts of the Works The Engineer may, at the sole discretion of the Employer, issue a Taking-Over Certificate for any part of the Permanent Works.	As progress of CP 203R will depend on many external factors like land access, Civil /Track access, Local authorities, Govt. institutions responses time we request you to have a provision to take over the permanent works in	Provisions of Bid Document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Conditions Sub-Clause 10.2 Taking Over of Parts of the Works	Delete the Sub-Clause 10.2 in its entirety	parts. Bidder request customer (PMC/DFCCIL) to issue Taking over certificate for the part/section of works after completion by CP 203R contractor.	
203.	Part 3 General Conditions / 16.2 Termination by Contractor (d) Sub-Clause 16.2 Particular Conditions	The Contractor shall be entitled to terminate the Contract if: (d) the Employer substantially fails to perform his obligations under the Contract, Delete the Sub-Clause 16.2 (d) Delete the following words from 16.2 (e) “ or Sub-clause 1.7 [Assignment]”	We request DFCCIL to allow contractor to have right to terminate the contract in case Employer fails to perform his obligation for CP 203R project. We request you to amend the Sub-Clause 16.2 Particular Conditions accordingly	Provisions of Bid Document shall prevail.
204.	Part 3 Particular Conditions / Sub-clause 4.12 Unforeseeable Physical Conditions	Sub-clause 4.12 Unforeseeable Physical Conditions (b) the Contract Price shall not be adjusted to take account of any unforeseen physical conditions.”	Bidder request DFCCIL to consider the compensation towards the delay arising out of the unforeseen physical condition for which contractor is not responsible. Contractor should be entitled for additional time and cost for the same.	Provisions of Bid Document shall prevail.
205.		General	Kindly confirm if the NoC from World Bank has been received for termination or previous contractor (i.e. CP 203 project.)	Irrelevant query.
206.		General	We understand that CP 203 project was terminated, and the section is being retendered,	The legal implication, if any, arising out of termination of CP

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			kindly confirm that the contractor for CP 203R will be indemnified from any legal implication or consequences of termination of CP 203 contractor.	203 contract shall be between DFCCIL and CP-203 Contractor.
207.	112	4.3 Temporary Work The Contractor shall execute all Temporary Works required to facilitate construction/installation and the cost thereof shall be included in the overall bid price. All temporary arrangements and works shall be designed and necessary drawings developed to ensure safety during construction/installation. As a rule, Temporary Works shall be subsequently dismantled and removed by the Contractor after construction/installation, at his own cost. The Engineer, however, may permit/instruct retention of some of the Temporary Works with mutual consent between the Contractor and the Engineer	We understand that these temporary works are related to below section 14.2 Temporary Works (3) Construction Depot a) The Contractor will be required to establish at least one temporary construction depot at the site of works where materials and equipment's etc. could be stored for the construction purposes. The location of temporary construction depot shall be got approved by the Engineer Please confirm our understanding	Provisions of Bid Document are sufficiently clear.
208.	121	12.0 SURVEY AND SITE INVESTIGATIONS The Contractor shall carry out survey and all further site investigations as necessary for the design of the S&T related Works and to enable the determination of the methods of construction and the nature, extent and design of the Temporary Works.		Provisions of Bid Document are sufficiently clear.
209.	130	7.3.10 Temporary works design report The report shall provide sufficient information on the design of the Temporary Works to		Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		allow the Employer's Representative to assess their effects on the Permanent Works and to enable these to be taken into account in the review of the Definitive Design.		
210.	127	3.0 REQUIREMENT FOR ALIGNMENT AND LAND The contractor is to develop the definite design within the function completed and the land acquired or proposed to be acquired by the employer for the project as applicable.	It is made to understand that 18 KMS of land dispute is yet to be resolved, kindly share the status of the land acquisition related to this area and also provide the estimated timelines for the resolution of the referred dispute.	Please refer sub-clause 2.1 and Sr. No. 65 of Addendum No. 2.
211.	264	(3) Technical requirements (a) The Electronic Interlocking (EI) shall be as per RDSO specification RDSO/SPN/192/2019 with latest amendment or RDSO/SPN/203/2019 with latest amendment and shall be procured from RDSO approved Vendor as per Para 4.3 of this Particular specification.	Kindly confirm that the Electronic Interlocking (EI) compliant to RDSO specification and approved in other section of DFCCIL may be allowed for this project also in lieu of RDSO approval requirement	Provisions of Bid Document are sufficiently clear and shall prevail.
212.	163	19.4.4 Partial Acceptance Tests (PAT) (1) Partial Acceptance Tests are defined as the performance of functional tests of sections, areas, or stages of a system. The Partial Acceptance Tests are part of the Tests and Inspection to be performed by the Contract or under the Contract in order to achieve the Employers Taking Over of the Works.	Kindly confirm, if the partial acceptance test (PAT) is similar to FAT, performed in simulated environment. Also, If the PAT is to be performed at field then kindly elaborate the requirement to assess the work involved for the demonstration of this activity. Also please confirm, if the PAT is performed for any parts/section of works, Taking over certificate for that section will be issued by DFCCIL	Provisions of Bid Document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply						
213.	241	APPENDIX - 15 DETAILS OF WORKS ALREADY EXECUTED a) Following materials will be given free of cost to the contractor against Indemnity Bond from the nominated depot except Video Wall which is installed at OCC:	Request clarification on the requirement of protection of already supplied materials, kind of indemnity to cover the risks associated with the transfer of guarantee/warranty requirements	Provisions of Bid Document are sufficiently clear and shall prevail.						
214.	242	LIST OF EXECUTED S&T WORKS List of works already executed in the section is given below, however the quantities are tentative. Exact quantity has to be assessed by the contractor jointly with the Engineer. <table><tr><th>Sl. No.</th><th>Description</th><th>Quantity (Approx.)</th></tr><tr><td>1</td><td>Signalling Cable Laying</td><td>530 Km</td></tr></table> This includes cables of various sorts laid in trench stretch of 45 Km.	Sl. No.	Description	Quantity (Approx.)	1	Signalling Cable Laying	530 Km	<ol style="list-style-type: none">1. Please confirm allocation of cable cores for signalling equipment as per standard design practices2. Please clarify that in case of low insulation values, cable/s will be replaced at cost basis?3. Similarly, for the other completed works, in case of replacement required what is the costing model. Please clarify Kindly confirm how the dispute shall be addressed in case of any difference emerged related to completed scope by previous contractor against the execution by the new bidder	The Successful Bidder shall interface with the Engineer after award of contract. Free issue material shall be dealt as per GCC clause 4.20. For works already executed please refer to S.No. 60 of Addendum No. 2.
Sl. No.	Description	Quantity (Approx.)								
1	Signalling Cable Laying	530 Km								
215.	261	All Main line signals shall be 04 aspect Colour light automatic/semi-automatic line side signals. The signals on the loop lines shall be 2/3 aspect signals.	From our previous experience, we understand that loop line Intermediate Starter and Loop line Starter signals shall be two aspect signals. Please review and confirm op lines signal aspect requirement to 2 Aspect signals	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of						

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
				Contractor.
216.	387	2. WORKING METHODOLOGY OF LC GATES OF IR FALLING IN PARALLEL ALIGNMENT WITH EDFC-2 AFTER BEING INTERLOCKED WITH AUTOMATIC BLOCK SIGNALLING SECTION OF IR AND EDFC-2.	Separate Data logger are to be provided for these LC gates	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor.
217.	261	2.2.2 Signals (1) System Requirements (a) All Signals and Subsidiary signals should be designed and implemented in accordance with DFC General Rules and Signal Engineering Manual and other requirements of this specification.	Please confirm if separate transformers are required for UP/DN signals	Provisions of Bid Document are sufficiently clear.
218.	Part-1, Section-I Instructions to Bidders 4b. Eligible Bidders 12/638	In case of Joint Venture.....	<i>Can we interpret Joint Venture as an Unincorporated Consortium of companies made specifically for the execution of this contract? Forming a JV that needs to be separately registered as per The Company Act-2013 will make the bid unviable for multinational companies as establishing and managing a separate company needs board approval and approval from shareholders. It's a very complicated and time consuming approval process. You are therefore requested to allow bidders to quote as a temporary group of companies as "Unincorporated Consortium"</i>	Please refer to Sr. No.1 & 3 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
219.	Part-1, Section-I Instructions to Bidders xvii) 14/638	On award of contract to a JV, a single Performance Guarantee shall be submitted by the JV as per Bid conditions. All the Guarantees like Performance Guarantee, Bank Guarantee for Mobilization Advance, Machinery Advance, etc. shall be accepted only in the name of the JV and no splitting of guarantees amongst the members of the JV shall be permitted.	In the event, the consortium issues BGs in the name of consortium, you are requested to allow splitting of the bank guarantees in the proportion of % participation of each consortium member.	Provisions of Bid Document shall prevail.
220.	Part-1, Section-I Instructions to Bidders xviii)	shall be got registered before the Registrar of the Companies under 'The Companies Act-2013' (in case of Company) or before the Registrar/Sub-Registrar under 'The Indian Partnership Act, 1932 (in case of Partnership Firm) or under 'The LLP Act 2008' (in case of LLP). A separate PAN shall be obtained for this entity.	<i>Forming a JV that needs to be separately registered as per The Company Act-2013 will make the bid unviable for multinational companies as establishing and managing a separate company needs board approval and approval from shareholders. It's a very complicated and time consuming approval process. You are therefore requested to allow bidders to quote as a temporary group of companies as "Unincorporated Consortium"</i>	Please refer to Sr. No.1 & 3 of Addendum No. 2.
221.	Part-1, Section-I Instructions to Bidders 2.3.1 (a) Specific Experience 5/638	(i) The bidder/JV Firm or any member of the JV firm must have substantially completed in the last Ten previous financial years and the current financial year up to the date of invitation of Bid at least one single work for a minimum value of INR 183 Cr. (One Hundred Eighty Three Crore)	1. In all the previous tenders of DFCCIL, for similar packages like Bhaupur Khurja (APL1), CP203, CP304, CP305 etc the cut off date was upto the date of application submission deadline. However in this tender, the cut off date is upto the date of invitation of the bid. You are requested to kindly change the cut off date to align with previously floated DFCCIL tenders upto the application submission deadline 2. In order to promote Make in India, you are	1) Provision of bid document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			requested to allow Indian Entities that are 100% wholly owned subsidiaries to use credentials of their parent entity for qualifications.	2) Please refer Note 1 under Clause 2.3.1 (a), Specific Experience (Page 46 of 638)
222.	Part-1, Section-I ITB EQC 47/638	Note 3. In case of composite works contract, work must comprise different components for minimum values given in (ii)a, (ii)b and (ii)c above, for satisfying the eligibility criteria (ii) above	<i>Kindly confirm that this clause is applicable for eligibility criteria (ii) only and not applicable for composite contract mentioned at 2.3.1a) (i)</i>	Please refer to Sr. No. 12 of Addendum No. 2.
223.	Part-1, Section-I ITB EQC 50/638	Note : Substantially completed works are those work which have been completed 80% or more of the latest contract value	<i>Kindly rephrase as "Substantially completed works are those work which have been completed 70% or more of the latest contract value"</i>	Provisions of Bid Document shall prevail.
224.	Part-1, Section-I General Notes 51/638	Value of one work – Exchange rate prevailing on the date of the contract.	<i>For completed works, value of work done shall be allowed to be updated last day of the month previous to the month of tender submission price level assuming 5% inflation for Indian Rupees every year and 2% for foreign currency portions per year. The exchange rate of foreign currency shall be applicable 28 days before the submission date of tender. This is prevailing practice tenders floated by various metro corporations including DMRC, MMRDA, NMRC, UPMRL etc. Kindly change the condition</i>	Provisions of Bid Document shall prevail.
225.	Part 3. Section VII General Conditions of the	Force Majeure may include, but is not limited to, exceptional events or circumstances of the kind listed below, so long as conditions (a) to (d) above are satisfied:	We request you to kindly consider the incorporate the addition to clause 19.2 as highlighted below: Force Majeure may include, but is not limited to,	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Contract 19.2 57	<p>(i) war, hostilities (whether war be declared or not), invasion, act of foreign enemies,</p> <p>(ii) rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war,</p> <p>(iii) riot, commotion, disorder, strike or lockout by persons other than the Contractor's Personnel and other employees of the Contractor and Subcontractors,</p> <p>(iv) munitions of war, explosive materials, ionising radiation or contamination by radio-activity, except as may be attributable to the Contractor's use of such munitions, explosives, radiation or radio-activity, and</p> <p>(v) natural catastrophes such as earthquake, hurricane, typhoon or volcanic activity.</p>	<p>exceptional events or circumstances of the kind listed below, so long as conditions (a) to (d) above are satisfied:</p> <p>(i) war, hostilities (whether war be declared or not), invasion, act of foreign enemies,</p> <p>(ii) rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war,</p> <p>(iii) riot, commotion, disorder, strike or lockout by persons other than the Contractor's Personnel and other employees of the Contractor and Subcontractors,</p> <p>(iv) munitions of war, explosive materials, ionising radiation or contamination by radio-activity, except as may be attributable to the Contractor's use of such munitions, explosives, radiation or radio-activity, and</p> <p>(v) natural catastrophes such as earthquake, hurricane, typhoon or volcanic activity.</p> <p>(vi) pandemic and/ or epidemic</p>	
226.	Part 3. Section VII Particular Conditions of the Contract 4.2 593/638	<p>Add the following at the end of para 4.2(d) – in which event the Employer shall forfeit the amount of the Performance Security as indicated in Sub-clause 15.4.</p> <p>Delete paragraph 5 of Sub-clause 4.2 “The Employer ... claim.” and substitute by the following:</p>	<p>In compliance with FIDIC conditions we request you to kindly retain the paragraph 5 of clause 4.2 highlighted below:</p> <p><i>“The Employer shall indemnify and hold the Contractor harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from a claim under the Performance Security to the extent to which the Employer was not</i></p>	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		In case the Employer makes a claim on the Performance Security, which it was not entitled to make, the Employer shall forthwith refund such amount of claim to the contractor	<i>entitled to make the claim."</i>	
227.	Part 3. Section VII Particular Conditions of the Contract 4.7 594/638	<p>Delete paragraph 2,3 & 4 of Sub-clause 4.7 and substitute by the following:</p> <p>Accuracy of these specified items of reference shall be deemed to have been verified by the Contractor. Accordingly, the Contractor shall have no right to claim towards time or cost caused due to errors in these specified items of reference.</p>	<p>In compliance with FIDIC conditions, we request you to kindly retain following paragraphs 2, 3 and 4 of clause 4.7 highlighted below:</p> <p><i>"The Employer shall be responsible for any errors in these specified or notified items of reference, but the Contractor shall use reasonable efforts to verify their accuracy before they are used.</i></p> <p><i>If the Contractor suffers delay and/or incurs Cost from executing work which was necessitated by an error in these items of reference, and an experienced contractor could not reasonably have discovered such error and avoided this delay and/or Cost, the Contractor shall give notice to the Engineer and shall be entitled to:</i></p> <p><i>(a) an extension of time for any such delay, if completion is or will be delayed, and</i></p> <p><i>(b) payment of any such Cost plus reasonable profit, which shall be included in the Contract Price.</i></p> <p><i>After receiving this notice, the Engineer shall proceed to agree or determine (i) whether</i></p>	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			<i>and (if so) to what extent the error could not reasonably have been discovered, and (ii) the matters described above."</i>	
228.	Part 3. Section VII Particular Conditions of the Contract 4.12 594/638	<p>Delete the Sub-Clause and Substitute by the following:</p> <p>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.</p> <p>Except as otherwise stated in the Contract:</p> <p>(a) the Contractor accepts total responsibility for having foreseen all difficulties and physical conditions; and</p> <p>(b) the Contract Price shall not be adjusted to take account of any unforeseen physical conditions</p>	<p>In compliance with FIDIC conditions, we request you to kindly modify clause 4.12 by incorporating the following modifications suggested below:</p> <p>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.</p> <p>Except as otherwise stated in the Contract:</p> <p>(a) the Contractor accepts total responsibility for having foreseen all difficulties and physical conditions; and</p> <p>(b) the Contract Price shall not be adjusted to take account of any unforeseen physical conditions</p> <p><i>"If the Contractor suffers delay and/or incurs Cost from executing work which was necessitated by an error in these items of reference, and an experienced contractor could not reasonably have discovered such error and avoided this delay and/or Cost, the Contractor shall give notice to the Engineer and shall be entitled to:</i></p> <p><i>(a) an extension of time for any such delay, if completion is or will be delayed, and</i></p>	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			<i>(b) payment of any such Cost plus reasonable profit, which shall be included in the Contract Price."</i>	
229.	C 8.3 598/638	<p>Insert the following after 1st sentence in paragraph 1:</p> <p>"Each programme shall take into account the progress of the Works under execution of Civil Works Contracts [Package 201 & 202] as well as that of Electrical Works Contract (Package 204) of the same section under the same Project [Eastern Dedicated Freight Corridor Project-2]."</p> <p>Delete para 3 of Sub- Clause 8.3</p> <p>"The Contractor shall [Variation Procedure]."</p>	<p>In compliance with FIDIC conditions, we request you to kindly retain following paragraph 3 under clause 8.3 as highlighted below:</p> <p><i>"The Contractor shall promptly give notice to the Engineer of specific probable future events or circumstances which may adversely affect the work, increase the Contract Price or delay the execution of the Works. The Engineer may require the Contractor to submit an estimate of the anticipated effect of the future event or circumstances, and/or a proposal for Variation."</i></p>	Provisions of Bid Document shall prevail.
230.	Part 3. Section VII Particular Conditions of the Contract 8.8 600/638	<p>Delete Sub-Clause 8.8,</p> <p>Substitute deletion by the following:</p> <p>In the event of the failure of the Contractor to duly and effectively perform any of its obligations or to perform proper execution of the Works in accordance with the provisions of this Contract, the Engineer may by notice require the Contractor to suspend forthwith the performance of any obligations under the</p>	<p>In compliance with FIDIC conditions, we request you to kindly incorporate following modifications to clause 8.8 as highlighted below:</p> <p>In the event of the failure of the Contractor to duly and effectively perform any of its obligations or to perform proper execution of the Works in accordance with the provisions of this Contract, the Engineer may by notice require the Contractor to suspend forthwith the performance of any obligations under the Contract or the</p>	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		<p>Contract or the whole or any part of the Works.</p> <p>The Contractor shall, pursuant to the notice under this Sub- Clause, suspend the Works or any part thereof for such time and in such manner as may be specified by the Engineer and there upon carry out remedial measures to rectify the defects and secure the safety of the suspended works. The Contractor may by notice require the Engineer to inspect such remedial measures forthwith, with a request that the suspension hereunder may be revoked. The Engineer shall either revoke such suspension or instruct the Contractor to carry out such other and further remedial measures as may be necessary and the procedure set forth in this Sub-Clause shall be repeated until the suspension hereunder is revoked.</p> <p>All reasonable costs incurred for maintaining and protecting the Works and remedying the defects during the period of suspension shall be borne by the Contractor.</p> <p>During the period of Suspension, the Employer may at its own discretion, on behalf of the Contractor, undertake to fulfill any of the Contractor's obligations for remedying and rectifying the cause of Suspension. Provided</p>	<p>whole or any part of the Works.</p> <p>The Contractor shall, pursuant to the notice under this Sub- Clause, suspend the Works or any part thereof for such time and in such manner as may be specified by the Engineer and there upon carry out remedial measures to rectify the defects and secure the safety of the suspended works. The Contractor may by notice require the Engineer to inspect such remedial measures forthwith, with a request that the suspension hereunder may be revoked. The Engineer shall either revoke such suspension or instruct the Contractor to carry out such other and further remedial measures as may be necessary and the procedure set forth in this Sub-Clause shall be repeated until the suspension hereunder is revoked.</p> <p>All reasonable costs incurred for maintaining and protecting the Works and remedying the defects during the period of suspension shall be borne by the Contractor.</p> <p>During the period of Suspension, the Employer may at its own discretion, on behalf of the Contractor, undertake to fulfill any of the Contractor's obligations for remedying and rectifying the cause of Suspension. Provided that any cost incurred by the Employer in fulfilling the obligations of the Contractor for the</p>	

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		<p>that any cost incurred by the Employer in fulfilling the obligations of the Contractor for the remedying or rectifying the cause of Suspension shall be borne</p> <p>by the Contractor. The Employer shall have the right to deduct any such expense incurred and another twenty percent thereof as Damages from any payment due or to be due to the Contractor under the provisions of this Contract.</p> <p>If and to the extent the cause for the suspension is the responsibility of the Contractor, the following Sub-Clauses 8.9, 8.10, and 8.11 shall not apply.</p> <p>The Contractor shall not be entitled to extra cost (if any), incurred by him, during the period of suspension of Work, if such suspension is:</p> <p>(a) provided for in the Contract; or</p> <p>(b) necessary for proper execution of Woks or by reasons of weather condition or by some default on the part of the Contractor; or</p> <p>(c) necessary for the safety of Works or any part thereof; or</p> <p>(d) necessary for the safety of adjoining public or other property or safety of the public or workmen or those who have to be at the site; or</p> <p>(e) to ensure safety and to avoid disruption of traffic and utilities, as also to permit fast repairs and restoration of any damaged</p>	<p>remedying or rectifying the cause of Suspension shall be borne by the Contractor. The Employer shall have the right to deduct any such expense incurred and another twenty percent thereof as Damages from any payment due or to be due to the Contractor under the provisions of this Contract.</p> <p>If and to the extent the cause for the suspension is the responsibility of the Contractor, the following Sub-Clauses 8.9, 8.10, and 8.11 shall not apply.</p> <p>The Contractor shall not be entitled to extra cost (if any), incurred by him, during the period of suspension of Work, if such suspension is:</p> <p>(a) provided for in the Contract; or</p> <p>(b) necessary for proper execution of Woks or by reasons of weather condition or by some default on the part of the Contractor; or</p> <p>(c) necessary for the safety of Works or any part thereof; or</p> <p>(d) necessary for the safety of adjoining public or other property or safety of the public or workmen or those who have to be at the site; or</p> <p>(e) to ensure safety and to avoid disruption of traffic and utilities, as also to permit fast repairs and restoration of any damaged utilities.</p> <p><i>However, if the suspension instructed by Engineer is not attributable to the Contractor, the following provisions shall be</i></p>	

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		utilities.	<p><i>applicable to Parties:</i></p> <p><i>If the Contractor suffers delay and/or incurs Cost from complying with the Engineer's instructions and/or from resuming the work, the Contractor shall give notice to the Engineer and shall be entitled to:</i></p> <p><i>(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</i></p> <p><i>(b) payment of any such Cost, which shall be included in the Contract Price.</i></p> <p><i>The Contractor shall be entitled to payment of the value (as at the date of suspension) of Plant and/or Materials which have not been delivered to Site, if:</i></p> <p><i>(a) the work on Plant or delivery of Plant and/or Materials has been suspended for more than 28 days, and</i></p> <p><i>(b) the Contractor has marked the Plant and/or Materials as the Employer's property in accordance with the Engineer's instructions.</i></p> <p><i>If the suspension has continued for more than 84 days, the Contractor may request the Engineer's permission to proceed. If the Engineer does not give permission within 28 days after being requested to do so, the</i></p>	

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			<i>Contractor may, by giving notice to the Engineer, treat the suspension as an omission under Variations and Adjustments of the affected part of the Works. If the suspension affects the whole of the Works, the Contractor may give notice of termination.</i>	
231.	Part 3. Section VII Particular Conditions of the Contract 10.2 601/638	Delete the Sub-Clause 10.2 in its entirety	In compliance with FIDIC conditions, we request you to kindly retain clause 10.2 in its entirety and allow issuance of taking over certificate for partial completion of works or for taking over of part of the Work.	Provisions of Bid Document shall prevail.
232.	Part 3. Section VII Particular Conditions of the Contract 13.3 601/638	Add the following below the last paragraph: For varied works of items due to variation as per Sub-Clause 1.1.6.9 determination of adjustment to the Contract Price shall be based on the following: (a) Inputs of man-days, machine hours and quantities of materials; (b) (i) Prevailing market rates for Materials, hiring of equipment; (ii) Rates being paid by the Contractor for unskilled, semiskilled and skilled worker as per the records maintained by the Contractor in accordance with the Laws;	In compliance with FIDIC conditions, we request you to kindly incorporate following deletions to clause 13.3 as highlighted below: Add the following below the last paragraph: For varied works of items due to variation as per Sub-Clause 1.1.6.9 determination of adjustment to the Contract Price shall be based on the following: (a) Inputs of man-days, machine hours and quantities of materials; (b) (i) Prevailing market rates for Materials, hiring of equipment; (ii) Rates being paid by the Contractor for unskilled, semiskilled and skilled worker as per	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		<p>(c) Contractor's overheads and profit at the rate of 15 (fifteen) per cent of the cost arrived at on the basis of (a) and (b) above and;</p> <p>(d) Applicable taxes.</p> <p>No price adjustment shall apply.</p> <p>The approval for Variation shall state the period of extension of time, if any, allowed for the Variation. If no extension of time is allowed, the same shall be stated.</p>	<p>the records maintained by the Contractor in accordance with the Laws;</p> <p>(c) Contractor's overheads and profit at the rate of 15 (fifteen) per cent of the cost arrived at on the basis of (a) and (b) above and;</p> <p>(d) Applicable taxes.</p> <p>No price adjustment shall apply.</p> <p>The approval for Variation shall state the period of extension of time, if any, allowed for the Variation. If no extension of time is allowed, the same shall be stated.</p>	
233.	Part 3. Section VII Particular Conditions of the Contract 14.2 (a) 605/638	<p>Delete Paragraph 14.2(a) and substitute by the following:</p> <p>Deductions shall commence in the Payment Certificate in which the total of all certified interim payments (excluding the advance payment and deductions and repayments of retention) exceeds twenty five per cent (25%) of the Accepted Contract amount less provisional sums; and</p>	<p>In compliance with FIDIC conditions, we request you to kindly incorporate following modification in clause 14.2(a) as highlighted below:</p> <p>Deductions shall commence in the Payment Certificate in which the total of all certified interim payments (excluding the advance payment and deductions and repayments of retention) exceeds ten percent (10%) twenty five per cent (25%) of the Accepted Contract amount less provisional sums; and</p>	Provisions of Bid Document shall prevail.
234.	Part 3. Section VII Particular Conditions of the Contract 16.2	<p>Delete the sub-clause 16.2 (d)</p> <p>Delete the following words from 16.2 (e)</p> <p>“ of Sub-clause 1.7 [Assignment]”</p>	<p>In compliance with FIDIC conditions, contractor should be entitled to terminate the contract if the Employer substantially fails to perform its obligations under the contract or in the event the contract is assigned to any third party without prior intimation to the contractor.</p>	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	609/638		<p>We request you to kindly retain clauses 16.2 (d) and (e) as it is.</p> <p>Further, kindly confirm if corporate policies of the company (in which Employer will also be covered as a co-insured) would be acceptable.</p>	
235.	Part 3. Section VII Particular Conditions of the Contract 18.2 609/638	Sub-paragraph 4 (d) Delete the words “(c), (g) and (h)”, and substitute by the words “(c) and (g)”.	<p>As per the insurance requirements specified under clause 18.2 of PCC, we believe that a Comprehensive All Risk Policy for insuring works and contractor’s equipment should suffice such requirement.</p> <p>Kindly confirm our understanding.</p>	Provisions of Bid Document are sufficiently clear and shall prevail.
236.	Section VII Particular Conditions of the Contract 18.3 609/638	<p>Add the following at the end of this Sub-Clause:</p> <p>The insurance policy shall include a cross liability clause such that the insurance shall apply to the Employer, the Contractor and Subcontractors (wherever applicable) as separately insured.</p> <p>The Employer shall not be liable for or in respect of any damages or compensation payable to any workman or other person in the employment of the Contractor or any Sub-Contractor (wherever applicable), other than death or injury resulting from any act or default of the Employer, his agents or employees. The Contractor shall indemnify and keep indemnified the Employer against all</p>	<p>As per the insurance requirements specified under clause 18.3 of PCC, we believe that a Comprehensive General Liability policy all damages and compensation should suffice such requirement.</p> <p>Kindly confirm our understanding.</p> <p>Further, kindly confirm if corporate policies of the company (in which Employer will also be covered as a co-insured) would be acceptable.</p>	Provisions of Bid Document are sufficiently clear and shall prevail.


SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		such damages and compensation, other than those for which the Employer is liable as aforesaid, and against all claims, proceedings, damages, costs, charges, and expenses whatsoever in respect thereof or in relation thereto.		
237.	Section VII Particular Conditions of the Contract 18.5 610/638	<p>Add new sub-clause</p> <p>“The Contractor shall obtain the professional indemnity insurance, to cover the risk of professional negligence in the design of the Works carried by him, for the amount(s) stated in the Appendix to Tender and the insurance shall be maintained in full force and effect from the Commencement Date of the Works until 03 (three) years after the expiry of the Defects Notification /Extended Defects Notification Period. The insurance policy is required to indemnify the Employer as joint insured and the cover shall apply separately to each insured as though a separate policy had been issued for each of the joint insured.</p> <p>The Engineer will not certify any Payment Certificate until the Contractor has provided evidence of this insurance and its period of effectiveness.”</p>	Kindly confirm if corporate policies of the company (in which Employer will also be covered as a co-insured) would be acceptable.	Provisions of Bid Document are sufficiently clear and shall prevail.
238.	Section VII Particular	Delete Sub-paragraph 1 (a, b & c) and replace as under –	We request you to kindly incorporate following modifications to clause 20.6 as highlighted	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Conditions of the Contract 20.6 610/638	<p>Unless settled amicably, any dispute in respect of which the DAB's decision (if any) has not become final and binding shall be finally decided by reference to arbitration by a Board of Arbitrators appointed in accordance with sub-clause (i) below.</p> <p>Such arbitration shall be held in accordance with The Arbitration and Conciliation (Amendment) Act, 2015. The seat of such arbitration shall be New Delhi, and the language of arbitration proceedings shall be English.</p> <p>i) The employer shall provide a panel of five (5) arbitrators to the contractor. The employer at the time of offering the panel of Arbitrator(s) to be appointed as Arbitrator shall also supply the information with regard to the qualification of the said Arbitrators nominated in the panel along with their professional experience, phone no. and address to the contractor. The contractor shall have to choose one Arbitrator from the panel of five.</p> <p>The employer shall also choose one Arbitrator from this panel of five.</p> <p>The third arbitrator shall be appointed by the two arbitrators from the panel of five so selected and shall act as presiding arbitrator. In case of failure of the two Arbitrators,</p>	<p>below:</p> <p>Delete Sub-paragraph 1 (a, b & c) and replace as under –</p> <p>Unless settled amicably, any dispute in respect of which the DAB's decision (if any) has not become final and binding shall be finally decided by reference to arbitration by a Board of Arbitrators appointed in accordance with sub-clause (i) below</p> <p>Such arbitration shall be held in accordance with The Arbitration and Conciliation (Amendment) Act, 2015. The seat of such arbitration shall be New Delhi, and the language of arbitration proceedings shall be English.</p> <p>i) The employer shall appoint one arbitrator and the contractor shall appoint one arbitrator provide a panel of five (5) arbitrators to the contractor. The employer at the time of offering the panel of Arbitrator(s) to be appointed as Arbitrator shall also supply the information with regard to the qualification of the said Arbitrators nominated in the panel along with their professional experience, phone no. and address to the contractor. The contractor shall have to choose one Arbitrator from the panel of five. The employer shall also choose one Arbitrator from this panel of five.</p>	

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		<p>appointed by the parties, to reach upon a consensus within a period of 28 days from their appointment as Arbitrators, the Presiding Arbitrator shall then be appointed by MD/DFCCIL.</p> <p>Arbitrator's Fee and other admissible expenses shall be as per extant DFCCIL instructions.</p>	<p>The third arbitrator shall be appointed by the two arbitrators <i>appointed by respective Parties who from the panel of five so selected and</i> shall act as presiding arbitrator. In case of failure of the two Arbitrators, appointed by the parties, to reach upon a consensus within a period of 28 days from their appointment as Arbitrators, the Presiding Arbitrator shall then be appointed <i>as per Arbitration and Conciliation Act, 1996 (including any amendments made thereto) by MD/DFCCIL.</i></p> <p>Arbitrator's Fee and other admissible expenses shall be <i>mutually agreed between the Employer and Contractor as per extant DFCCIL instructions.</i></p> <p><i>Where the arbitral award is for the payment of money, interest shall be payable on whole or any part of the money for any period, till the date on which the award is made.</i></p>	
239.	Section VIII Contract Forms CF-9	<p>(C) Automobile liability Insurance</p> <p>Covering use of all vehicle used by the contractors or its sub-contractors (whether or not owned by them) in connection with the design, construction testing and commissioning of the facilities under the contract in accordance with statutory requirements.</p>	<p>We do not anticipate usage of any automobiles in relation to technical SOW of the tender. Hence, we request to kindly remove Automobile Liability Insurance from clause 18 of GCC.</p>	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply																																																																		
240.	Part 2, Section V(A), Vol 6, General specifications (Appendices) Appendix 15 241/638	<p>a) Following materials will be given free of cost to the contractor against Indemnity Bond from the nominated depot except Video Wall which is installed at OCC:</p> <table><tr><th>Sl. No.</th><th>S&T Material</th><th>Unit</th><th>Approximate Quantity</th></tr><tr><td>1</td><td>4 Quad x 0.9 mm Cable</td><td>Kms</td><td>73</td></tr><tr><td>2</td><td>6 Quad x 0.9 mm cable</td><td>Kms</td><td>498</td></tr><tr><td>3</td><td>6 Core x 1.5 sqmm cable</td><td>Kms</td><td>519</td></tr><tr><td>4</td><td>12 Core x 1.5 sqmm Cable</td><td>Kms</td><td>748</td></tr><tr><td>5</td><td>30 Core x 1.5 sqmm Cable</td><td>Kms</td><td>9</td></tr><tr><td>6</td><td>2 Core x 25 sqmm AL Power cable</td><td>Kms</td><td>34</td></tr><tr><td>7</td><td>24 Fibre Armoured Optic Fibre Cable</td><td>Kms</td><td>1000</td></tr><tr><td>8</td><td>MSDAC Equipment (Frauscher make)</td><td>DPs</td><td>280</td></tr><tr><td>9</td><td>Video Wall screens for display of TMS and SCADA (Delta Make)</td><td>Nos.</td><td>48</td></tr></table>	Sl. No.	S&T Material	Unit	Approximate Quantity	1	4 Quad x 0.9 mm Cable	Kms	73	2	6 Quad x 0.9 mm cable	Kms	498	3	6 Core x 1.5 sqmm cable	Kms	519	4	12 Core x 1.5 sqmm Cable	Kms	748	5	30 Core x 1.5 sqmm Cable	Kms	9	6	2 Core x 25 sqmm AL Power cable	Kms	34	7	24 Fibre Armoured Optic Fibre Cable	Kms	1000	8	MSDAC Equipment (Frauscher make)	DPs	280	9	Video Wall screens for display of TMS and SCADA (Delta Make)	Nos.	48	<i>Please specify Frauscher Axle counter model (FADC or ACS 2000)</i>	Please refer to S.No. 28 & 68 of Addendum No. 2.																										
Sl. No.	S&T Material	Unit	Approximate Quantity																																																																			
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241.	Part 2, Section V(A), Vol 6, General specifications (Appendices) Appendix 15 248/638	<p><u>Status of Relay Huts (RHs) to be constructed by contractor</u></p> <table><tr><th>S.No.</th><th>Station Name</th><th>Chainage</th><th>RH No.</th><th>Tentative Status</th></tr><tr><td rowspan="2">1</td><td rowspan="2">New BZM</td><td>484.440</td><td>RH-01</td><td>NIL</td></tr><tr><td>486.940</td><td>RH-02</td><td>NIL</td></tr><tr><td rowspan="2">2</td><td rowspan="2">New MRE</td><td>294.980</td><td>RH-01</td><td>NIL</td></tr><tr><td>332.300</td><td>RH-02</td><td>Column below Plinth beam</td></tr><tr><td rowspan="2">3</td><td rowspan="2">New KCN</td><td>267.480</td><td>RH-01</td><td>NIL</td></tr><tr><td>269.740</td><td>RH-02</td><td>NIL</td></tr><tr><td rowspan="2">4</td><td rowspan="2">New UND</td><td>233.720</td><td>RH-01</td><td>Column below Plinth beam</td></tr><tr><td>235.840</td><td>RH-02</td><td>Layout & Marking</td></tr><tr><td rowspan="2">5</td><td rowspan="2">New MZP</td><td>191.700</td><td>RH-01</td><td>Layout & Marking</td></tr><tr><td>193.680</td><td>RH-02</td><td>NIL</td></tr><tr><td rowspan="2">6</td><td rowspan="2">New DAP</td><td>161.500</td><td>RH-01</td><td>Column below Plinth beam</td></tr><tr><td>163.440</td><td>RH-02</td><td>Slab</td></tr><tr><td rowspan="2">7</td><td rowspan="2">New ARW</td><td>138.200</td><td>RH-01</td><td>NIL</td></tr><tr><td>140.480</td><td>RH-02</td><td>NIL</td></tr><tr><td>8</td><td>DDU</td><td>To be decided</td><td>To be decided</td><td>NIL</td></tr></table>	S.No.	Station Name	Chainage	RH No.	Tentative Status	1	New BZM	484.440	RH-01	NIL	486.940	RH-02	NIL	2	New MRE	294.980	RH-01	NIL	332.300	RH-02	Column below Plinth beam	3	New KCN	267.480	RH-01	NIL	269.740	RH-02	NIL	4	New UND	233.720	RH-01	Column below Plinth beam	235.840	RH-02	Layout & Marking	5	New MZP	191.700	RH-01	Layout & Marking	193.680	RH-02	NIL	6	New DAP	161.500	RH-01	Column below Plinth beam	163.440	RH-02	Slab	7	New ARW	138.200	RH-01	NIL	140.480	RH-02	NIL	8	DDU	To be decided	To be decided	NIL	<i>What Equipments are desired to be placed in "RH"? Please elaborate the use of "RH" in station area.</i>	Relay Hut as S&T service building in the jurisdiction of Station shall house indoor S&T equipment as per CP-203R Contractor's design approved by the Engineer.
S.No.	Station Name	Chainage	RH No.	Tentative Status																																																																		
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8	DDU	To be decided	To be decided	NIL																																																																		
242.	Part 2, Section V(B) , Volume 7, Particular Specifications,	Separate power supply system (UPS/IPS) for IR shall be installed at LC gate huts by S&T contractor for operation and interlocking purpose of LC	<i>Can power supply from nearby SER/RH/ALH be extended to LC gate for LX operation?</i>	Bidder's understanding is not correct. Provision of bid document shall prevail.																																																																		

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Signalling Works 2.2.6,(1) (e), 271/638	gates.		
243.	Part 2, Section V(B) , Volume 7, Particular Specifications, Signalling Works 2.2.7,(2) (a), 273/638	Non trailable Electric Point machines shall be as per specification IRS S 24-2002 and procured as per Para 4.3 of this specification. The Point machines shall be provided with external Clamp locking arrangement.	<i>Please specify Point machine make to enable us to calculate point machine i/o</i>	The Bidder shall provide the Point Machine as per IRS/RDSO Specification and procurement requirements mentioned under Clause 2.2.7(2) and 4.3 of PS Signalling Works.
244.	Part 2, Section V(B) , Volume 7, Particular Specifications, Signalling Works 1.4.1,(4) (a) 257/638	Design and Implementation of the Interlocking of 15 LC gates on proposed main line and link lines between DFCC Junction stations and IR stations. This shall include design and implementation of gateman's emergency control system and appropriate display system and power supply system. List of LC gates is placed at Para 2.1.5 of General Specification Vol. 1 part 2 section V (A).	<i>Please specify LC gate make to enable us to calculate I/O. Please specify the display system (VDU or CCIP)</i>	The Bidder shall provide the LC Gate as per IRS/RDSO Specification and procurement requirements mentioned under Clause 2.2.6(2) and 4.3 of PS Signalling Works.
245.	Part 2, Section V(B) , Volume 7, Signalling Works, Signalling Works 2.2.3 (2)(b) 264/638	Object controller/EI of distributed Interlocking for station yards shall be provided	<i>Please specify whether distributed interlocking is to be provided as per Railway Board letter no. 2003/SIG/G/5 dated 28.04.2016. It will be distributed architecture with centralized interlocking or distributed architecture with distributed interlocking.</i>	Please refer to Clause 2.1.3 of PS Signalling Works (Page 260 of 638).

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			 Policy of Interlocking dtd. 28	
246.	Part 2, Section V(B) , Volume 7, Particular Specifications, Signalling Works 2.2.3,(4) (f) 265/638	The System shall have provision for accommodating additional 25% of the I/O Card used as minimum spare provision, including corresponding Processor capacity for future use.	<i>Does 25% is inclusive of spare bits or spare bits has to be provided separately?</i>	Provisions of Bid Document shall prevail.
247.	Part 2, Section V(B) , Volume 7, Particular Specifications, Signalling Works 2.2.4,(2)(d) 267/638	The Control terminal shall be connected to EI on duplicate cables, preferably OFC laid through diverse routes.	<i>Please specify what is meant by "duplicate cables"</i>	Provisions of Bid Document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply																									
248.	Part 2, Section V(A), Vol 6, specifications (Appendices) Appendix 3 192/638	<p>DESIGN AND BUILD CONTRACT FOR SIGNALLING & TRACTION ELECTRIFICATION WORKS</p> <table border="1"> <thead> <tr> <th>Item No.</th><th>Item Description</th><th>Signalling & Telecom Contractor (CP-203R)</th><th>Traction Electrification, E&M and associated Works Contractor (CP - 204)</th><th>Reference Document if any</th></tr> </thead> <tbody> <tr> <td></td><td></td><td>with the Electrical Bonding and Earthing Plan.</td><td>Earthing and Bonding Plan of S&T</td><td></td></tr> <tr> <td>5</td><td>OHE mast locations</td><td>1. Shall prepare the Signalling Plan in coordination with OHE Layout Plan.</td><td>Shall prepare Layout Plans of OHE in coordination with Signalling plan showing mast locations, wire staggers etc., including extra mast implantation needed if any for the Signal.</td><td>Signal Interlocking Plan OHE Layout Plan</td></tr> <tr> <td>6</td><td>LT Power Supply, E&M and associated work including Fire Detection & Alarm System for S&T installations at Stations, IMDs and IMSDs.</td><td>1. Shall provide information of S&T Equipment load requirement at Stations, IMDs and IMSDs. 2. Shall advise the requirement of Electrical fittings including Lights, Fans, Sockets, Air-Conditioner etc. in S&T Structures at Stations, IMDs and IMSDs.</td><td>1. Shall design and provide LT power supply to S&T system at Stations, IMD and IMSD as per S&T load requirement. 2. Shall provide Electrical fittings including Tube lights, Fans, Sockets and Air-Conditioner as per S&T requirement in S&T Structures at Stations, IMDs and IMSDs. 3. Shall provide Fire Detection & Alarm System in SER, TER and S&T Power supply equipment rooms</td><td></td></tr> <tr> <td>7</td><td>LT Power supply, E&M and associated work</td><td>1. Shall advise space for positioning the ACO.</td><td>1. Shall provide the ACO in coordination with S&T.</td><td></td></tr> </tbody> </table> <p>Page 97 of 154</p>	Item No.	Item Description	Signalling & Telecom Contractor (CP-203R)	Traction Electrification, E&M and associated Works Contractor (CP - 204)	Reference Document if any			with the Electrical Bonding and Earthing Plan.	Earthing and Bonding Plan of S&T		5	OHE mast locations	1. Shall prepare the Signalling Plan in coordination with OHE Layout Plan.	Shall prepare Layout Plans of OHE in coordination with Signalling plan showing mast locations, wire staggers etc., including extra mast implantation needed if any for the Signal.	Signal Interlocking Plan OHE Layout Plan	6	LT Power Supply, E&M and associated work including Fire Detection & Alarm System for S&T installations at Stations, IMDs and IMSDs.	1. Shall provide information of S&T Equipment load requirement at Stations, IMDs and IMSDs. 2. Shall advise the requirement of Electrical fittings including Lights, Fans, Sockets, Air-Conditioner etc. in S&T Structures at Stations, IMDs and IMSDs.	1. Shall design and provide LT power supply to S&T system at Stations, IMD and IMSD as per S&T load requirement. 2. Shall provide Electrical fittings including Tube lights, Fans, Sockets and Air-Conditioner as per S&T requirement in S&T Structures at Stations, IMDs and IMSDs. 3. Shall provide Fire Detection & Alarm System in SER, TER and S&T Power supply equipment rooms		7	LT Power supply, E&M and associated work	1. Shall advise space for positioning the ACO.	1. Shall provide the ACO in coordination with S&T.		<p><i>Shall LT power supply be provided for ALH & RH?</i></p>	Please refer SN 6 & 7 of Table under Clause 6 of General Specifications (Page 192 & 193 of 638).
Item No.	Item Description	Signalling & Telecom Contractor (CP-203R)	Traction Electrification, E&M and associated Works Contractor (CP - 204)	Reference Document if any																									
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249.	Part 2, Section VI, Volume 8 (Particular Specifications) & Appendix- 15 PS 5.3.3.5 26 of 143	5.3.3.5 All the optical fibre cables shall have a minimum fibre count of 24 fibres At least 25% of fibres within each cable shall be reserved as spares for future use. & Appendix- 15 work Executed	In ref with appendix- 15, it is noted that 24 Fibre Armoured Optic Fibre Cable has been procured for both first & second network. AS per TLC clause 5.3.3.5 minimum requirement is 24 F count including 25% spares for future use, which may increase no of counts as function of design consideration from other various TLC systems & including signalling.	Please refer Sr. No. 60 of Addendum No. 2.																									

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			We understand there should not be any design limitation on this clause if the required fibers counts could not meet sufficient spares at the time of design & execution of project.	
250.	Part 2, Section VI, Volume 8, (Particular Specifications) PS 7.3.12.3 54 of 143	Wherever feasible, Telecom Quad Cable provided for Signalling System under Particular Specification-Signalling Works, shall be utilized for emergency Control Communication. However, in such cases separate Quad shall be utilized for Emergency Control Communication.	<p>a) Please confirm the procured quad cables (0.9mm) are as per RDSO Specification No IRS:TC 30-05 with latest amendments.</p> <p>b) Kindly confirm the if there exists additional scope of laying additional quad cable in trenches for the TLC system emergency Control system in future as per design and availability consideration from S&T.</p>	<p>a) Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).</p> <p>b) Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.</p>
251.	Part 2, Section VI, Volume 8, (Particular Specifications) PS 4.6.4 24 of 143	Telecommunication Equipment Room (TER) at Auto Location Huts, LC gates, Interfacing IR Stations, GSM-R Locations, TSSs, SPs, SSPs, IMDs, IMSDs, Staff Residential Colonies etc. shall be provided with air-conditioning. Air-Conditioning in TERs at above locations shall be provided by the Contractor under this Contract. TERs at above locations are classified as 'Class-B1'	<p>Kindly provide the layouts for TER & TPSE (Telecom Power Supply Equipment Room) for the locations- Auto Location Huts & Relay Huts , LC gates, Interfacing IR Stations, GSM-R Locations, TSSs, SPs, SSPs, IMDs, IMSDs, Staff Residential Colonies for the provision of Air conditioning.</p> <p>Moreover, Clause 2.5.5 of General Specifications is not relevant to classification of</p>	<p>Please refer to Building Plans appended in Part-4, Reference Document where indicative layouts of various rooms are specified.</p> <p>Please refer Sr. No. 44, 45 &</p>

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		under Clause 2.5.5 of General Specifications.	locations. It is clause 18.0 (5).	46 of Addendum No. 2.
252.	Part 2, Section V(A) Vol 2, (General Specifications) GS 18.5 28 of 154	Requirements for Class B: Temperature Min - 2.5°C to Max 45°C / Relative Humidity Nominal 70%, Maximum 100% (Non-condensing)	Class B1 is defined as Air-conditioned Telecom Equipment Room. Hence / Humidity in the equipment room is well controlled. In addition / none of the Telecom and Switching equipment meant for deployment in Indoor Telecom Equipment Room support 100% Humidity (meant for Outdoor or Buried environment – Class-C and Class-D respectively). Hence / we kindly request you to reduce the Maximum Humidity requirement to 90% Non-Condensing for Air-conditioned rooms.	Request not accepted. Provisions of Bid Document shall prevail.
253.	Part 2, Section VI, Volume 8, (Particular Specifications) PS 5.3.5.6 28 of 143	Flexible Access Multiplexer or Primary Order Multiplexer shall have minimum 50% spares for all types of Channel Circuits (Minimum 1 for all types of Channel Circuits).	We understand that the Bidder / Contractor is required to provide 50% spare channels between Nodes. Kindly confirm.	Provisions of Bid Document are sufficiently clear and shall prevail.
254.	Part 2, Section VI, Volume 8, (Particular Specifications) PS 5.5.3.3 (6) 36 of 143	Adequate numbers of Primary Multiplexers shall be provided so that there is no loss of Communication at any point of time.	Kindly clarify how “Adequate number of Primary Multiplexers” shall be computed to prevent loss of communication	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
255.	Part 2, Section VI, Volume 8, (Particular Specifications) PS 11.3.7 94 of 143	The following data shall apply to 48 V DC Battery Backup System: (1) Input Voltage Range (Single phase): 230 V AC (+10 %, - 20%) (2) Input frequency: 50 Hz +/- 5% (3) Output Current: As required for each location	As per Clause no 11.3.4 of PS Telecommunication Compliance to specification RDSO/SPN/TL-23/99 VER 4.0 is required. We understand the RDSO standards specifications shall prevail here for the AC voltage range specified in this specification is 165V – 260VAC, frequency 50 Hz+ /-2Hz (means from 48 Hz – 52 Hz). Kindly Confirm.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
256.	Part 2, Section VI, Volume 8, (Particular Specifications) PS 11.2.2 94 of 143	Provision of suitable Earth Leakage Detector and Alarms shall be made individually at each location (OCC, Stations, GSM-R Locations, LC Gate Locations, etc.).	Please note that an Earth Leakage detector is connected at the (-48 VDC) output of the SMPS battery charger. For taking -48VDC the positive polarity of the battery charger is earthed with the telecom load. That means an Earth leakage detector will always give false alarm. Even if some of the feeders are not earthed then also it will give this alarm. You are requested to remove this requirement that leads to false alarms generation.	Provisions of Bid Document shall prevail.
257.	Part 2, Section VI, Volume 8, (Particular Specifications) PS 5.3.9.12 (2)-g 32 of 143	The NMS shall allow the user to configure all existing and new circuits with the following functions: (h) the OFC links from junction stations to the adjacent station of IR	SDH NMS cannot monitor the OFC links from junction stations to the adjacent station of IR unless there is an SDH connectivity established. Kindly clarify the type of monitoring required.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
258.	--	UPS for TMS system at OCC	Is there a UPS already available and installed for TMS devices in OCC? If yes please provide	Please refer to Clause 2.2.9(3) of PS Signalling Works (Page

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			the details.	275 of 638).
259.	Part 2 , section V(A), Volume 3, GS	The Contractor shall co-ordinate with all Interfacing Contractors and Parties to produce a detailed programme of access dates, equipment delivery routes and occupation periods for each equipment room and area inside the Railway envelope.	The Access dates and Key Dates for civil works, Track works etc carried out by other contractors are not given in the tender document. Kindly provide the same.	Please refer to Sub-clause 2.1, 'Right of Access to the Site' of Appendix to tender (Page 612 of 638)
260.	8.2.7 (2) In Table Item no 11	Train Management system including networking equipment (except Server) and Video Walls at OCC, TMS terminals, FIU along with interconnecting cables and connectors and all other associated accessories.	In Contract Spares it is mentioned about FIU but for EI interface Protocol converter will be used to get signalling field gear data. What is the need of FIU?	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor. The provision of Bid Document shall prevail.
261.	Appendix-15	Video Wall screens for display of TMS and SCADA (Delta Make) - 48 Nos	Need to know which method used to arrive 48 Nos of Video wall Cube. Needs to know the detail technical specification and materials list. We assume. The DLP/Warranty Obligation as per CP203 tender requirements of the equipments under the scope of DFCCIL .We will contact with the same vendor only for Commissioning support.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor. Please refer to S.No. 28 & 68 of Addendum No. 2.
262.	2.3.4 (2)(b)(i)	Remote monitoring of status of Signalling equipment at stations and in Block Sections, shall be provided on these terminals. This shall include logging in of events in central system, generating alarms, alerts etc.	Is TMS need to monitor signalling equipment status or signalling field gear failure status? Since S&D system is there to monitor equipment status.	Provisions of Bid Document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
263.	Appendix-15	MSDAC Equipment (Fraucher Make)	<p>(i) Need to know which method used to arrive 280 Nos of DP. Materials are For Which station Yard / Auto block Section. Please provide the entire list of Materials for the same. Is it MANDATORY TO use those materials? Or we can proposed alternatives.</p> <p>(ii) If it Mandatory, We assume ,The DLP/Warranty Obligation as per CP203 tender requirements of the equipments under the scope of DFCCIL. We will contact with the same vendor only for Commissioning support.</p>	Please refer to S.No. 28 & 68 of Addendum No. 2.
264.	ESP	In Mugalsarai (Deen Dayal Upadhyay) ESP,	In Mugalsarai (Deen Dayal Upadhyay) ESP, it has been mentioned that the yard is connected to New Ganjkhawaja directly. Whereas there is an intermediate station (New ERC at DDU) between Mugalsarai(DDU) and New Ganjkhawaja(As per MGS-Sonnagar project). The connectivity between Deen Dayal Upadhyay and New Ganjkhawaja need to be clarified.	DDU Yard is having double line connectivity with East Receiving Cabin (ERC)/DDU. ERR/DDU cabin each at IR km 670.21 and DFCCIL Chainage No. 119.260. Detailed connectivity with ERC-DDU is to be decided by interface between Engineers and CP-203R contractor and System Contractor of DDU-Sonnagar (System-2). The work of connectivity with ERC at DDU end will be in the scope of present contract CP-203R.
265.	ESP	In Mugalsarai (Deen Dayal Upadhyay) ESP,	If the existence of the intermediate station (New ERC at DDU) is confirmed, the scope of the	System of block working between DDU Yard and New

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			block (type of block working between DDU & New ERC at UUD, changes required in New ERC at DDU, etc) has to be confirmed. Whether these changes will be covered under CP203. 3. SIP of the Mugalsarai (Deen Dayal Upadhyay) is not provided with the tender document.	ERC/DDU will be jointly decided by the CP-203R Contractor and System Contractor of DDU-Sonnagar (System-2). CP-203R Contractor shall interface with System Contractor of DDU-Sonnagar (System-2) for integration of Signalling and Telecom System as per requirements stipulated in PS Signalling Works and PS Telecommunication Works of CP-203R.
266.	General	In Mugalsarai (Deen Dayal Upadhyay) SIP	SIP of the Mugalsarai (Deen Dayal Upadhyay) is not provided with the tender document.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor.
267.	2.1.4 Page no 260/638 , System Requirement	It is anticipated that Centralized Traffic Control (CTC) and Train Protection Warning System (TPWS) may be required in the future, therefore system provided under this contract shall be designed as demonstrable to be "future proofed" for the same	Our understanding is CTC & TPWS shall be under part of separate contract. Since CTC software is entirely different, hence TMS software only can be demonstrated as a connectivity between OCC & Stations. Later on under separate contract when CTC Software will load we can control and execute as per CTC specification.	Provisions of Bid Document are sufficiently clear.
268.	2.2.3 (a) Page no	The Electronic Interlocking (EI) shall be as per	Shall be read as "The Electronic Interlocking (EI)	Please refer to S.No. 36 of

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	264/638 , Interlocking Technical Requirement.	RDSO specification RDSO/SPN/192/2019 with latest amendment or RDSO/SPN/203/ 2019 with latest amendment and shall be procured from RDSO approved Vendor as per Para 4.3 of this Particular specification.	shall be as per RDSO specification RDSO/SPN/192/2019 with latest amendment or and RDSO/SPN/203/ 2019 2011 with latest amendment and shall be procured from RDSO approved Vendor as per Para 4.3 of this Particular specification."This project content Two Big yard, hence both the specification is applicable.	Addendum No. 2.
269.	2.2.4 / 2 Page no 264/638 , Interlocking Control system /Technical Requirement.	The Control terminal shall have a latest industrial grade embedded fan less PC with no external drive and colour VDU monitor with minimum size of 32"	Please specify the upper limit of VDU size. Our Understanding we can Maximum go upto 25% above 32" to rounded up to near by suitable size. Also request you to specify the size of Monitor and quantity for big yards under this projects.	The minimum size of VDU is stipulated in the bid document. However, the exact size of VDU/monitor and quantities thereof shall be decided by the Successful Bidder at design stage with the approval of Engineer after award of contract.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply																																							
270.	Part 5 Price Schedule Signalling Works	<p align="center">SIGNALLING WORKS (Sub-clause 14.4, GC)</p> <table border="1"> <thead> <tr> <th>Price Schedule</th><th>No.</th><th>Cost Centre</th><th>Weightage (%)</th><th>Cost</th></tr> <tr> <th>(1)</th><th>(2)</th><th>(3)</th><th>(4)</th><th>(5)</th></tr> </thead> <tbody> <tr> <td rowspan="9">C [Signalling Works]</td><td>C1</td><td>Design and Documentation</td><td>2%</td><td rowspan="9">% as in Schedule C (Signalling Works) of Apportionment of Contract Price</td></tr> <tr> <td>C2</td><td>Signalling Works at 6 Crossing stations</td><td>10%</td></tr> <tr> <td>C3</td><td>Signalling Works at 6 Junction Stations</td><td>24%</td></tr> <tr> <td>C4</td><td>Signalling Works in Automatic Block Sections</td><td>41%</td></tr> <tr> <td>C5</td><td>Train Management System (TMS) and Service & Diagnostic System (S&D)</td><td>10%</td></tr> <tr> <td>C6</td><td>Supply of Contract Spares and Special Tools & Test Equipment</td><td>10%</td></tr> <tr> <td>C7</td><td>Integrated Testing & Commissioning and Final Taking-Over</td><td>2%</td></tr> <tr> <td>C8</td><td>Training</td><td>1%</td></tr> <tr> <td></td><td align="right">Total</td><td>100.00</td></tr> </tbody> </table>	Price Schedule	No.	Cost Centre	Weightage (%)	Cost	(1)	(2)	(3)	(4)	(5)	C [Signalling Works]	C1	Design and Documentation	2%	% as in Schedule C (Signalling Works) of Apportionment of Contract Price	C2	Signalling Works at 6 Crossing stations	10%	C3	Signalling Works at 6 Junction Stations	24%	C4	Signalling Works in Automatic Block Sections	41%	C5	Train Management System (TMS) and Service & Diagnostic System (S&D)	10%	C6	Supply of Contract Spares and Special Tools & Test Equipment	10%	C7	Integrated Testing & Commissioning and Final Taking-Over	2%	C8	Training	1%		Total	100.00	<p>Recommended Changes :-</p> <p>No C3 Shall be 35%</p> <p>No C4 Shall be 25%</p> <p>No C5 Shall be 18%</p> <p>No C6 Shall be 8%</p> <p>No C7 Shall be 1%</p> <p>Similarly Other Price schedule shall be change in each schedule. OR Please do not give any percentage bifurcation , Recommended to be as per tendere Choice based on actual cost proposal</p>	Provisions of Bid Document shall prevail.
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		Total	100.00																																								
271.	2.2.1 Financial Eligibility Criteria, BDF-12	In support of the BDF-12, Certificate from client showing the details of payment received in a particular financial year, duly attested by Notary to be produce.	It is Practically Not possible to collect such certificate against each transaction /Payment receipt. Hence requested you to delete the same requirements. However we are Submitting Audited Balance sheet as a documentary proof for the same.	Provisions of Bid Document shall prevail.																																							
272.	2.2.5.2.j.iv at page 19 of 178	One spare set of card(s) fully programmed with site specific application/ configuration data shall be provided at each site. This shall be over and above the contract spares provide under Para 8.2.7.	Can we consider One spare set of CPU cards per site even if multiple Evaluators required at site? We will be considering programme plugs with site specific application/configuration data for each evaluator as spare. Please clarify whether our understanding is correct.	Provisions of bid document are sufficiently clear.																																							
273.	2.2.5.2.j.iv at page 19 of 178	The transmission between Central Evaluator and Field units of UP	Can we use two separate quad cables for transmission between Central Evaluator and	Provisions of bid document are sufficiently clear.																																							

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		and DN systems shall be in separate cables, preferably of different kinds, say OFC and quad.	Field units of UP and DN systems?	
274.	2.2.5.2.j.iv at page 19 of 178	The transmission between Central Evaluator and Field units of Main and Supervisory systems shall be in separate cables, preferably of different kinds, say OFC and quad.	Can we use two separate quad cables for transmission between Central Evaluator and Field units of Main and Supervisory systems?	Provisions of bid document are sufficiently clear.
275.	5.2.4.2 at page 88 of 178	The Equipment Cabinets/Enclosures shall have sufficient EMI/EMC shielding as required by signalling equipment inside to remain EMI/EMC complaint. The cabinets/Enclosures housing processor based signalling equipment shall be EMI complaint as per IEC 61587-3	Is this clause mentioning the compliance of outer glass door cabinet where the evaluator subrack to be housed or evaluator subrack itself where all the daughter cards remain inserted?	Provisions of bid document are sufficiently clear.
276.	Annexure-II of appendix 6 at page 177 of 178	Typical Earthing Bonding and surge protection arrangement	Please confirm whether OEM of MSDAC can implement Earthing and surge protection arrangement based on their system architecture and best practice followed by them for safety of system.	The Annexure-I & II of Appendix-6 given in the Bid Document are indicative. Being a design and build contract General/Functional/Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
277.	Part-1 Section-II	Tender Box for submission of Bid shall remain	This being Balance work, complete design and	Please refer S.No. 8 & 9 of

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	BDS ITB - clause 23.1 page no. 41 of 638	open: From 10:00 Hrs to 17:00 Hrs on all working days from 29.08.2020 to 13.10.2020 and on 14.10.2020 upto 1500 Hrs	build contract for signaling and telecom work. Given timeline for submission of Single stage two packet bid is not sufficient as we have to work on complete scope as well as we have to assess already executed work in the same contract by previous contractor which will be time consuming. Hence, we request you to extend bid submission date at least by 4-6 weeks so that we can get sufficient time for accurate working and bid submission.	Addendum No. 2.
278.	Part-1 Section-II BDS ITB - clause 23.1 page no. 41 of 638	Tender Box for submission of Bid shall remain open: From 10:00 Hrs to 17:00 Hrs on all working days from 29.08.2020 to 13.10.2020 and on 14.10.2020 upto 1500 Hrs at the address given below: Office of Group General Manager/S&T-I/EC, Dedicated Freight Corridor Corporation of India Limited Room No. 402B, 4th Floor, Supreme Court Metro Station Building Complex, New Delhi - 110001, India	As we are in experiencing COVID 19 pandemic, it will be difficult for us to submit hard copy of bids. Request you to provide an option for online submission of the bid. This will allow us to submit the bid without any hassle	Provisions of Bid Document shall prevail.
279.	Part-II Section V(A) Volume-6 General specifications (Appendices) Appendix 15 Page No.241 of	Details of works already executed - Supply	We request you to provide the details of the already supplied materials i. When these materials were supplied and who will take responsibility of warranty of these materials? how warranty should be considered during this contract? how DLP support will be provided? ii. What if these materials are found non-usable	Free issue material shall be dealt as per GCC clause 4.20.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	638		/ faulty at the time of actual execution? iii. Are quantities provided accurate?	
280.	Si No. 8 of Part-II Section V(A) Volume-6 General specifications (Appendices) Appendix 15 Page No.241 of 638	MSDAC Equipment (Frauscher make)	i. Is there any plan to use these MSDAC equipments on particular station? If yes, please provide DP plan and current status of installation if any. ii. Does this also include complete installation material required for indoor as well as outdoor installation? iii. how DLP support will be provided	Please refer S.No. 28 & 68 of Addendum No. 2.
281.	Si No. 9 of Part-II Section V(A) Volume-6 General specifications (Appendices) Appendix 15 Page No.241 of 638	Video Wall screens for display of TMS and SCADA (Delta Make) - 48 Nos.	i. Please provide Technical specifications & data sheets of these Video walls along with date of supply & warranty ii. During our Site survey we observed VDU wall was installed at Prayagraj OCC centre. Request you to clarify whether the installed OCC was tested by the Video wall OEM Request you to kindly provide the details of the date of supply & warranty details of the Video wall iii. how DLP support will be provided	Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E). Please also refer S.No. 28, 60 & 68 of Addendum No. 2.
282.	Part-I section-I ITB Clause 4.1.a Page 12 of 638 Eligible Bidder	Submit Power of Attorney authorizing the signatory of the bid to commit the bidder	We request you to accept authorisation letter issued by the company instead of Power of Attorney. Reason: Please note that as per the laws regulating the Power of Attorneys in India, PoAs are valid only with physical signatures and not by affixing physical signatures. Considering the current COVID situation and imposed restrictions, it is very difficult to have a physically	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			signed Power of Attorney from all the members as well as Company Directors. Therefore, we request you to accept an authorisation letter which is equally binding on the company and empowers the concerned colleagues to represent the company.	
283.	Si No. 9 of Part-II Section V(A) Volume-6 General specifications (Appendices) Appendix 15 Page No.241 of 638		During our site survey, we noticed few other signaling items are available in Prayagraj stores other than the materials mentioned in the tender document in the Appendix15. Request you to clarify whether we can use these materials for this project. If yes please provide the quantities of the all available materials in stores	The materials enlisted as free issue materials in the Bid Document in Appendix-15, General Specifications and Part 5, Price Schedule shall only be handed over to the CP-203R contractor after award of contract. Please refer to S.No. 28 & 68 of Addendum No. 2.
284.	General		Our Organization follows the Financial year from 1st September to 31st October the next year, can our certificates can be considered?	Practice of following Financial year of the country shall be considered.
285.	General		We could not find SIP for New Deen Dayal Upadhyay station in the SIP's provided with tender documents. Request you to provide SIP for New Deen Dayal Upadhyay station	SIPs appended in Part-4 Reference Document are indicative. Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor.
286.	Part 2, Section V(B) , Volume 7	It is an objective to install all equipment in the minimum time available commensurate with	Does this mean that Partial commissioning/takeover will be done &	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Particular Specifications Page No. 255	the project aims.To achieve this, the Signalling system is to be designed on a modular basis such that a generic design exists at all stations as far as possible, with variations to meet the local requirements. The contractor is encouraged to design the Signalling system in such a way that it can be pre-fabricated and tested at a central place away from the site and then delivered to site and installed. Commissioning and bringing into service of the Signalling may be achieved in sections in the most effective operational manner as agreed with Engineer	Commercial operation can be started. PI clarify whether part PAC will be issued?	
287.	Part 1, Section -I ITB , Clause No. 7.6 Page No. 19	Minutes of the pre-bid meeting, including the text of the questions/queries asked by Bidders, without identifying the source, and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Bidders who have acquired the Bidding Documents directly from the Employer. Any modification to the Bidding Documents that may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum/Corrigendum pursuant to ITB 8 and not through the minutes of the pre-bid meeting.	Request you to upload Minutes of the pre-bid meeting, including the text of the questions/queries asked by Bidders & responses on DFCCIL website	Response of queries will be uploaded on DFCCIL website.
288.	Part-1, Section-III Evaluation and Qualification Criteria Clause No. 2.2.1	The contractual payments received by the bidder / JV firm or the arithmetic sum of contractual payments received by all the members of the JV firm in the previous three financial year and the current financial year up	Our Organization follows the Financial year from 1st April to 31st March the next year, can our certificates can be considered?	Practice of following Financial year of the country shall be considered.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Financial eligibility criteria Page No. 44	to the date of invitation of bid shall be at least INR 782 Crores (Rupees Seven Hundred Eighty Two Crores).		
289.	Part-1, Section-III Evaluation and Qualification Criteria Clause No. 2.4 Design experience criteria Page No. 49	Design of Signalling System for Stations and Automatic Signalling in Block Sections with Electronic Interlocking, Track vacancy Detection, Signals and Point Machines for at least 04 (four) Stations and 04 (four) Block Sections on any Railway/Metro Railway/Suburban Rail Transit System	Request you to clarify whether completion date is the date of completion of design or the date of completion of the project?	Provisions of Bid Document are sufficiently clear.
290.	Part-1, Section-III Evaluation and Qualification Criteria Clause No. 2.6 Equipmet Page No. 55	The Bidder shall demonstrate that it will have access to essential equipment/plants during the execution of Works. Capacity and number of machines shall be commensurate with the Works program submitted by the Bidder to enable him to finish the work in stipulated time. The Bidder shall provide ownership/renting/leasing/ arrangement details of proposed items of equipment using Form BDF-9 in Part-1, Section IV of Bidding Document.	Request you to accept the details of equipment as per form BDF-9 after the award of the contract before start of the work	Provisions of Bid Document shall prevail.
291.	Part-2, Section-V (a)Volume-III General specifications Clause No. 1.4 (Introduction) Page No. 126	The Contractor shall establish an office for his core design team at a suitable location near Engineer's office. All meetings and discussions relating to design shall be held inthat office or the office of Engineer/Office of Employer (either in Field or in HQ).	Please note that this project involves multiple system & sub system that needs to be designed & engineered at OEM's place.Hence it is not faesble to establish design office at site location. Request you to amend this clause suitably. We will assure that the designer will be availble for discussions with engineer/employer at all reasonable times during the entire contract period	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
292.	Part-2, Section-V (a)Volume-6 General specifications (Appendices) S.No. 1 (Introduction) Page No. 187	Design and Construction of Signalling Equipment Room(SER), Telecom Equipment Room(TER) and S&T Power Supply Equipment Room(s) as part of Station Building at Stations Signalling& Telecom Contractor (CP-203R 1. Shall provide the requirement of ventilation and flooring. 2. Shall provide the requirement of cable ducts in the floor & cable-entry locations in the rooms. 3. Shall advise the size and location of cable pits being constructed at cable inlet points. CST Contractor Shall design and construct the rooms	Request you to clarify whether CST contractor can construct Signalling Equipment Room(SER), Telecom Equipment Room(TER) and S&T Power Supply Equipment Room(s) in goomtie location also in case of distributed Electronic Interlocking at station location	Provisions of Bid Document are sufficiently clear.
293.	ITB clause 2.1 / Page no. 9 of 638 Source of Funds	The required funds will be arranged by the employer.	It is requested to share the funding details of the Project.	The funds will be provided by Indian Railway/Government of India.
294.	ITB Clause 4.1 /Page 12 of 638 Eligible Bidder	A Bidder shall be a private, public or Govt. owned legal entity or any combination of them in the form of joint venture (JV) with a formal intent to enter into an agreement or under an existing agreement in the form of a Joint Venture (JV).	We understand that the term 'Joint Venture means also an Unincorporated Joint Venture or a Consortium	Please refer to S.No. 1 & 3 of Addendum No. 2.
295.	ITB Clause 4.1 (b) (v) & (vi)/Page 12 of 638	One of the members of the JV shall be its lead member who shall have majority (at least 51%) share of interest in the JV. The other members shall have a share of not less than	We understand that this clause shall not be applicable in case the bidder is a consortium. Please confirm	Please refer to S.No. 1 & 3 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Eligible Bidder & PCC Sub- clause 1.14 (i)/ Page 588 of 638 Joint and several liability	20% each in case of JV with up to 3 members and not less than 10% each in case of JV having more than three members. In case of JV with foreign member(s), the lead member has to be an Indian firm with a minimum share of 51%.		
296.	ITB Clause 4.1 (b) (viii)/Page 12 of 638- Eligible Bidder & PCC Sub- clause 1.14 (ii)/ Page 588 of 638 Joint and several liability	Joint And Several Liability - Members of the JV to which the contract is awarded, shall be jointly and severally liable to the Employer (DFCCIL) for execution of the project in accordance with General and Particular Conditions of Contract. The JV members shall also be liable jointly and severally for the loss, damages caused to the DFCCIL during the course of execution of the contract or due to non-execution of the contract or part thereof.	We request for the deletion of this clause.	Provisions of Bid Document shall prevail.
297.	ITB Clause 18.1/ Page 23 of 638 Currencies of Bid and Payment	The bidder shall quote a lump sum cost in Indian Rupees. Payments shall be made as per billing process laid down in Financial Bid Part-5 – Price Schedules of Bidding Document.	It is requested to permit us to quote the prices in three currencies including INR & two foreign currency and the payments shall be made in respective Bank Accounts.	Provisions of Bid Document shall prevail.
298.	BDS ITB 21.2/ Page no. 41 of 638 Format and Signing of Bid	The written confirmation of authorization to sign on behalf of the Bidder shall consist of: In case of Companies Power of Attorney authorizing the signatory of the bid to commit the bidder In case of Joint Venture Power of Attorney for Authorized Signatory of Joint Venture. In case of Partnership Firm	We request you to accept authorisation letter issued by the company instead of Power of Attorney. Reason: Please note that as per the laws regulating the Power of Attorneys in India, PoAs are valid only with physical signatures and not by affixing physical signatures. Considering the current COVID situation and imposed	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		Power of Attorney for Authorized Signatory of Partnership Firm.	restrictions, it is very difficult to have a physically signed Power of Attorney from all the members as well as Company Directors. Therefore, we request you to accept an authorisation letter which is equally binding on the company and empowers the concerned colleagues to represent the company.	
299.	Bidding form BDF-17 clause no. 7.1/ Page 89 of 638 PRE CONTRACT INTEGRITY PACT	The [A] undertakes that it has not supplied/is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found at any stage that similar product/system or sub systems way supplied by [A] to any other Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the [A] to the CLIENT, if the [B] has already been concluded.	Please replace the word similar with identical . Please confirm if the pre contract integrity pact can be signed by any authorized signatory of the company.	Provisions of Bid Document shall prevail. Please refer to S.No. 17 & 18 of Addendum No. 2.
300.	GCC Clause no. 4.13/ Page no. 16 Right of Way and Facilities	The contractor shall bear all costs and charges for special and temporary rights- of-way which he may require , including those for access to the site. The contractor shall obtain at his risk and cost, any additional facilities outside the site which he may require for the purposes of the works.	We request for the deletion of this clause.	Provisions of Bid Document shall prevail.
301.	PCC Appendix to Tender sub-	The Employer shall pay on written request by the Contractor a Mobilization Advance up to	We request you to provide interest free mobilization advance.	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	clause 14.2/ Page no. 614 of 638 Advance Payment	(Ten) 10 per cent of the Contract Price at an interest rate of 10% per annum.		
302.	PCC Sub clause 14.1/ Page no. 605 of 638 Contract price	The Contract Price includes all duties, taxes, royalties, premiums for various insurances, licenses and fees that may be levied in accordance with the laws and regulations in force as on the Base Date on the Contractor's Equipment, Plant, Materials and supplies acquired for the purpose of the Contract and on the services performed under the Contract.	We understand BOCW cess will be applicable @ 1% of the Services scope of Contract Price. Kindly confirm.	Provisions of Bid Document are sufficiently clear.
303.	PCC Sub clause 14.1/ Page no. 605 of 638 Contract price	The Contract Price includes all duties, taxes, royalties, premiums for various insurances, licenses and fees that may be levied in accordance with the laws and regulations in force as on the Base Date on the Contractor's Equipment, Plant, Materials and supplies acquired for the purpose of the Contract and on the services performed under the Contract.	Please confirm if the Project qualifies under Project Import Benefit as per Chapter 98.01 of Customs Tariff Act to avail benefit of concessional rate of custom duty. Please confirm if the recommendation letter endorsed by Secretary of State Govt. under Project import regulations.	This is Government of India funded project. The concession(s), if any, specified in the Bid Document/as per law of land shall only be applicable for this project.
304.	PCC Sub clause 14.9/ Page no. 607 & 608 of 638 Retention money	A Retention amounting to 10 (ten) 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.	Considering that the payment against the said project is based on milestones, we request to delete the requirement of Retention money from each interim payment. This is in line with all Signalling projects.	Provisions of Bid Document shall prevail.
305.	PCC Sub-clause 4.7 /Page no. 594 of 638	Accuracy of these specified items of reference shall be deemed to have been verified by the Contractor. Accordingly, the Contractor shall have no right to claim towards time or cost	We hereby request that in case of delays in executing the works due to errors in case of original points, lines and levels of reference contractor shall be eligible to time extension and	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Setting Out	caused due to errors in these specified items of reference.	equitable cost compensation. Please confirm.	
306.	PCC Sub clause 4.12/ Page no 594 of 638 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	We hereby request that in case of any unforeseeable physical conditions contractor shall be eligible for equitable time and cost compensation.	Provisions of Bid Document shall prevail.
307.	GCC Clause no. 5.6/ Page no. 22 As - Built Drawings	Prior to the issue of any Taking Over Certificate, the Contractor shall supply to the Engineer the specified number and types of copies of the relevant as- built drawings, in accordance with employer's requirement.	We understand that these as- built drawings shall not be shared to any third party by the employer even after taking over of the project and shall be used only by the employer itself.	Provisions of Bid Document shall prevail.
308.	GCC Clause no. 8.1/ Page no. 27 Commencement of works	The Commencement Date shall be within 42 days after the Contractor receives the Letter of Acceptance	We understand that commencement date shall be 42 days after signing of the contract agreement. Please confirm.	Provisions of Bid Document shall prevail.
309.	GCC Clause 17.6/ Limitation of Liability	Neither Party shall be liable to the other Party for loss of use of any Works, loss of profit, loss of any contract or for any indirect or consequential loss or damage which may be suffered by the other Party in connection with the Contract, other than under	Please add: loss of data or information, loss of contracts or business opportunities or any punitive damages.	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		Sub-Clause 16.4 [Payment on Termination] and Sub-Clause 17.1 [Indemnities].		
310.	GCC 19.1/ Force Majeure	<p>.....Force Majeure may include, but is not limited to, exceptional events or circumstances of the kind listed below, so long as conditions (a) to (d) above are satisfied:</p> <p>(i) war, hostilities (whether war be declared or not), invasion, act of foreign enemies,</p> <p>(ii) rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war,</p> <p>(iii) riot, commotion, disorder, strike or lockout by persons other than the Contractor's Personnel and other employees of the Contractor and Subcontractors,</p> <p>(iv) munitions of war, explosive materials, ionising radiation or contamination by radio-activity, except as may be attributable to the Contractor's use of such munitions, explosives, radiation or radio-activity, and</p> <p>(v) natural catastrophes such as earthquake, hurricane, typhoon or volcanic activity.</p>	<p>Please Add: Pandemic and Epidemic</p> <p>Include the Following Clause: 'The parties acknowledge the worldwide outbreak of the coronavirus disease, which is likely to affect the execution of the contract. The parties agree, that the Contractor shall be entitled to reasonable adjustments of the time schedule/milestones/delivery dates as well as to the reimbursement of costs to the extent the delay and the costs are caused directly or indirectly by the outbreak of the Coronavirus disease (COVID-19).'</p>	Provisions of Bid Document shall prevail.
311.	Clause - 2.5 Part-1, Section-III Evaluation and Qualification	<p>Foot Note -</p> <p>*Minimum 2 (two) years outside India experience in at least one Project</p> <p>**Minimum 5 (five) years outside India</p>	We request DFCC to remove/reconsider the experience of outside India mentioned	Please refer to S.No. 14 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Criteria Personnel Page No.55 of 638	experience in at least two Projects		
312.	Clause 2.2.10 Part 2, Section V(A), Vol. 1 :General Specifications	Civil, Structure and Track (CST) Contract Packages (CP-201 and CP-202) are planned to commence about 3 months ahead of Signalling& Telecommunication Contract Package (CP-203) and Electric Traction System Works under Contract Package (CP-204).	We understand that, CP-201 and CP-202 already started, please confirm	Please refer S.No. 23 of Addendum No. 2. Works in CP-201 & CP-202 have already started.
313.	Clause - 1.0 sub point (4) Part 2, Section V(A) Vol 3, : General Specifications Page No. 126 of 638	The Contractor shall establish an office for his core design team at a suitable location near Engineer's office. All meetings and discussions relating to design shall be held in that office or the office of Engineer/Office of Employer (either in Field or in HQ).	Please note that, this Project involves multiple system and sub-systems that needs to be designed and engineered. Please note that "Design Office" of Bidding will be suitable location at Bidding Office and can't be near to DFCC Office. Request you to amend this Clause suitably	Provisions of Bid Document shall prevail.
314.	Part 2, Section V(A), Vol 6, General specifications (Appendices) APPENDIX - 9 PROJECT CALENDAR Page No.224 of 638	(1) The Project Weeks shall be commenced on a Monday. (2) A day shall be deemed to commence at 00:01 hour on the morning of the day in question. (3) Where reference is made to the completion of an activity or Milestone by a particular week, this shall mean by midnight on the Sunday of that week. (4) Requirements for the computation of Key Dates are given in Paragraph 3, Part 2 "Employer's Requirement, Section V(A) , Volume 6,Appendix 2 – Work Areas and Stages".	As we understand, this is 24 X 7 work calendar. We request you to amend these requirements suitably to include Sunday as a weekly holiday and 8.5 hrs. as working time in a working day	Provisions of Bid Document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		(5) A 7 day week calendar shall be adopted for various (Work) programme schedules for scheduling purposes, which shall also display the rest day and holidays. (6) For Project purposes, the presentation shall be in "Week" units.		
315.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS clause 6.4.3.3, Page 41 of 143	To improve the availability of Data Networking System various measure such as Resilient Ethernet Protocol, Pseudo wire Redundancy, Link Aggregation (IEEE 802.3ad) on Network/Access Ports, Rapid Spanning Tree Protocol (IEEE 802.1w), Multiple Spanning Tree Protocol (IEEE 802.1s), MPLS-TE Fast Reroute etc. as required shall be implemented.	Resilient Ethernet Protocol is proprietary, However as per PS Clause 6.1.6 "System shall comply with internationally recognised Industry Standards & Open System Protocols". Please specify	Provisions of Bid Document are sufficiently clear and shall prevail.
316.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 6.3.1, Page 39 of 143	WAN shall be created using Layer-3 Switches equipped with minimum 4 Nos. 10GigE Fibre Ports for backbone interconnections. WAN shall connect OCC, Stations, New Bhaupur Station, IMDs and IMSDs, in Ring Topology using Optic Fibre Cable Cable laid along Up and Down Track of DFCCIL. Further WAN shall connect TSSs, SP,SSP,LC gate with nearest stations/Auto Location Huts in Redundant Linear Topology using Optic Fibre Cable. Locations of Layer-3 Switches can be clubbed based upon design of other Systems/Subsystems under this Contract as well as under Contract Package CP-204 while meeting overall Packet Data Communication	Connectivity to WAN of TSS, SP,SSP,LC gates is to be provided as per design or it is mandatory.	Provisions of Bid Document are sufficiently clear and shall prevail. Please refer to S.No. 48 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		Requirements		
317.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 6.5.1.1, Page 41 & 42 of 143	Layer-3 Switches of WAN shall have 20 Nos. 10/100/1000 Base-T Auto Sensing Ports with RJ 45 Connectors, 4 Nos. 100/1000 Base-X ports for SFP complying with IEEE 802.3, IEEE 802.3u and 802.3ab standard, and 4 No's of 10G BaseX ports supporting Half Duplex, Full duplex and Auto-Negotiation on each port to optimize bandwidth.30 % spare ports of each type on layer-3 Switch shall be kept for future use.	We understand that 30 % spare ports of layer-3 Switch is for down-link Access ports only.Please confirm	Provisions of Bid Document are sufficiently clear and shall prevail.
318.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 6.5.2.3, Page 42 of 143	30% spare ports of each type on layer-3 Switch at OCC shall be kept spare for future use.	We understand that 30 % spare ports of layer-3 Switch is for down-link Access ports only.Please confirm	Provisions of Bid Document are sufficiently clear and shall prevail.
319.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 6.5.3.1, Page 42 of 143	Layer-2 Switches of WAN shall have 24 Nos. 10/100 Base-T Auto Sensing Ports with RJ 45 Connectors, complying with IEEE 802.3, IEEE 802.3u and 802.3ab standard, supporting half duplex, full duplex and Auto-Negotiation on each port to optimize bandwidth.	IEEE802.3ab is standard for 1000 Base-T. However as per clause 6.5.3.1 L2 switch port require 10/100 Base-T only. Kindly modify the clause accordingly.	Provisions of Bid Document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
320.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 6.3.8, Page 39 of 143	Ethernet Services such as Ethernet Private Line (EPL) Services, Ethernet Virtual Private Line (EVPL) Services, Ethernet Local Area Network (E-LAN) Services, Layer2 Protocol Tunnelling (L2PT), Virtual Private Wire Service(VPWS) & Ethernet over MPLS (EoMPLS) shall be available on WAN.	Ethernet Private Line (EPL) Services, Ethernet Virtual Private Line (EVPL) Services, Ethernet Local Area Network (E-LAN) Services, Layer2 Protocol Tunnelling (L2PT), Virtual Private Wire Service(VPWS) and Ethernet over MPLS (EoMPLS) can be emulated using internationally recognised Industry Standards & Open System Protocols. Please confirm	Provisions of Bid Document are sufficiently clear and shall prevail.
321.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 7.3.8.2, Page 51 of 143	After integration, Administrative Telephone Networks shall provide following feature transparency across all the PBXs provided under this Contract as well as under Contract Package CP-104:	We understand that some features mentioned in the list are not interoperable between different OEMs. We suggest interoperability based on QSIG International Standard as it is followed by all major Telephone OEMs. Please confirm.	Provisions of Bid Document are sufficiently clear and shall prevail.
322.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 7.3.11.4, Page 53 of 143	New system shall be provided for the integration of this section. If required, Contractor shall upgrade/augment/reconfigure Control Communication System provided under Contract Package CP-104 to meet the requirements of this Particular Specifications.	The Contractor should be allowed to upgrade/augment the NMS installed at OCC under CP-104 and other contract packages for similar OEM, without compromising the available provision for redundancy in existing equipment for seamless integration.	Provisions of Bid Document are sufficiently clear and shall prevail.
323.	Part-2, Section V(B), Volume 8	Direct Line Telephone shall be provided in the other locations such as IR Sectional Control	As per our understanding, RDSO approved communication system (with selective calling	Please refer to S.No. 43 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Particular Specifications, Telecommunication Works PS Clause 7.3.7.8, Page 51 of 143	Centre, Interfacing Station Master Room of IR, LC Gates, Crew Control Rooms, Depot Control Rooms, Switching/Feeding Posts, TPC Maintenance Staff Rooms, Important Civil Engineering Maintenance & Work related Locations and Important S&T Maintenance & Work related Locations etc., to meet communication requirement as mentioned in Clause 7.3.7.1 above.	facility) required at LC gate as mentioned in PS clause 4.5.1. Therefore kindly remove DLT phone requirement at LC gates.	
324.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 7.4.2.1, Page 54 of 143	The inability to perform any required function, the occurrence of unexpected action or the degradation of performance below the specifications shall be considered as a failure. The Contractor shall furnish for the following sub-systems/equipment, the reliability figures, MTBF Hours from the OEMs. Switching Module of the PBXs; Processor Module of the PBXs; Memory Module of the PBXs; Line and Trunk Interface Module of PBXs; Power Supply Module of PBXs; Telephony Server ; Media Gateway; Direct Line Consoles; Direct Line Telephones; Control Communication Equipment; and Emergency Control Communication Equipment. Telephone NMS Workstation;	Control Communication Equipment and Emergency Control Communication Equipment are RDSO approved products. Reliability Targets are not mentioned in the respective RDSO standards. Request you to remove above Equipments from the list. Workstations are standard COTS IT Products and should be excluded from this list.	Provisions of Bid Document are sufficiently clear and shall prevail.
325.	Part-2, Section V(B), Volume 8 Particular	The VRS shall comply with the following specifications:	"wow and flutter : < 0.8% peak" this feature is for Analog VRS system and as per PS Clause 7.5.4.1 Digital VRS system is required.	Being a design and build contract General/ Functional/ Performance requirement have

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Specifications, Telecommunication Works PS Clause 7.5.4.11, Page 59 of 143	(1) wow and flutter : < 0.8% peak ; (2) frequency response : 300 to 3400 Hz within + 3 dB; (3) Signal to noise ratio : > 42 dB; (4) Cross talk immunity : > 60 dB at 1 KHz; (5) Distortion : < 3% ; (6) Automatic gain control level : +3 dB in recording level for all input	Therefore Kindly remove this feature.	been specified in the Bid Document. Details shall be worked out by Contractor with the approval of Engineer.
326.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 7.5.6.3, Page 59 of 143	Multi-core cables shall be provided and connected from the distribution frames inside TER to the distribution frames at the MDF for connection between the PBX and the trunk circuits of PSTN. The interface between the Telephone system and the PSTN circuits shall be at the MDF.	Our understanding is PSTN connectivity will be provided by employer at EDFC station. The contractor will responsible for integration.	Provisions of Bid Document are sufficiently clear and shall prevail. PSTN connectivity will be provided at MDF of OCC by DFCCIL.
327.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 5.3.4.3, Page 27 of 143	The Second Network shall carry all Voice (including Emergency Communication) and Data (including Traction Power SCADA, Auxiliary SCADA) Communication between Stations and Auto Location Huts, LC Gates, Interfacing IR Stations, GSM-R Locations, TSSs, SPs, SSPs, IMDs, IMSDs, Staff Quarters and any other location, if required. The Second Network shall also carry all Signal Control Information, Track Vacancy Detection Information and other Vital & Safety Related Information between Stations New Bhaupur Station, Auto Location Huts, LC	Please specify "any other location, if Required".	The locations of Telecom equipment of second network are indicated in the clause, however, any other location as decided by the Engineer during design stage shall also be in the scope of CP-203R contractor. Please refer to S.No. 47 Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		Gates and Interfacing IR Stations. All Vital & Safety Related System using OFC System shall be implemented as per EN-50159.		
328.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 9.1.5, Page 83 of 143	Whenever existing equipment of Master Clock System being provided under contract Package-104 is upgraded/augmented/reconfigured to meet the requirement of this Particular Specifications, the available provision for redundancy in existing equipment shall not be compromised and subsequent to upgradation/augmentation/reconfiguration they shall meet the Technical Requirement and Performance Requirement as stipulated in this Particular Specifications.	The Contractor should be allowed to upgrade/augment the NMS installed at OCC under CP-104 and other contract packages for similar OEM, without compromising the available provision for redundancy in existing equipment for seamless integration.	Provisions of Bid Document are sufficiently clear and shall prevail.
329.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 9.2, Page 83 of 143	Scope of Supply for Clock System The scope of supply shall include, but not be limited to, the following: (1) A Master Clock System; (2) GPS Receiver and Antenna; (3) Master Clock control and distribution equipment; (4) Sub-Master Clocks; (5) Slave Clocks (Analogue and Digital Clock Display Units); (6) Clock Management System; (7) Data & Power Supply Cables including Terminations; (8) Earthing and Lightning Protection Devices; (9) Installation, Testing and Commissioning Materials; (10) Any other item required to complete the	Please clarify "Master Clock control and distribution equipment". We understand by Master clock control, employer is referring to master clock system and by distribution equipment DTS system is referred. Is our understanding correct?	Provisions of Bid Document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		scope of the works		
330.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 9.5.1.11, Page 86 of 143	Outages of power supply of normal duration to the system shall have no significant impact on the accuracy of the system time.	Kindly specify the normal duration of power supply outage.	Being design and build contract the bidder shall have to carry out survey of his own to identify outage of power supply.
331.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 9.5.3.9, Page 87 of 143	The Master Clock System shall be capable of working from 230 Volts +/- 10% AC 50 Hz Power Supply.	Please allow MCS system to work on either AC or DC.	Provisions of Bid Document are sufficiently clear and shall prevail.
332.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 5.1.3, Page 25 of 143	The OFC System shall be capable to transport all of the user communication requirements. The OFC System shall provide sufficient bandwidth to cater for the communication requirements of various systems under this Contract as well as under Contract Package CP-204 and shall provide an additional spare bandwidth of at least 50% of the total used bandwidth for future system expansion.	Please give details of communication requirement of Contract Package CP-204.	As per Clause 6 of Part-2, Section V(A), General Specifications (Appendices), the CP-203R Contractor will be required to interface with CP-204 Contractor for requirement of fibers, channels, bandwidth with details of locations where it is required.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
333.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 5.3.3.2, Page 26 of 143	Further, this First Network shall be taken to OCC by laying two additional optical fibre cables with route diversity from New Manauri Station to Subedarganj Station of IR and splicing through with two optical fibre cables, being laid from Subedarganj (IR) to OCC and terminated on ODFs in TERs at OCC under Contract Package CP-104.	According to this para it seems that OFC from New Manauri Station to Subedarganj Station of IR is to be laid under CP-104. But as it is a communication related cable it should be laid under telecom works of CP-203. Please clarify.	Bidder's understanding is not correct. The laying of OFC with route diversity from New Manauri station to Subedarganj Station of IR is in the scope of CP-203R contractor.
334.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 5.3.5.3, Page 28 of 143	Protection switching mechanisms shall be provided for the tributaries of the SDH Node. 2 Mbps tributaries shall be provided with 1:3 (Minimum) Protection and all the other tributaries shall be provided with 1+1 Protection.	2 Mbps tributaries shall be provided with 1:3 (Minimum). We understand that for 3 E1, one protection E1 will be provided. Please confirm.	Provisions of Bid Document are sufficiently clear and shall prevail.
335.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 5.1.4, Page 25 of 143	Whenever existing equipment provided under Contract Package CP-104 are upgraded/augmented/reconfigured to meet the requirement of this Particular Specifications, the available provision for redundancy in existing equipment shall not be compromised and subsequent to upgradation/augmentation/reconfiguration they shall meet the Technical Requirement and Performance Requirement as stipulated in this Particular Specifications.	The Contractor should be allowed to upgrade/augment the NMS installed at OCC under CP-104 and other contract packages for similar OEM, without compromising the available provision for redundancy in existing equipment for seamless integration.	Provisions of Bid Document are sufficiently clear and shall prevail.
336.	Part-2, Section	Unless otherwise specified, all	Communication devices such as Layer-3 and	Provisions of bid document are

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	V(B), Volume 8 Particular Specifications, Telecommunication Works	telecommunication equipment shall be designed for operation continuously in temperatures of -5 o C to +55 o C.	Layer-2 switches from world renowned OEMs work within the temperature range of 0oC to +45oC.hence TER at all location should be consider as Class-A category	sufficiently clear. Please refer to Clause 4.6.3 & 4.6.4 of PS Telecommunication Works (Page no. 453 of 638).
337.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS Clause 6.1.8, Page 38 of 143	At Junction Stations & Crossing Stations, Wi-Fi Facility, compliant with IEEE 802.11g Standards shall be provided for WAN Connectivity to users (which also include drivers of passing trains) via Wireless Enabled Devices and Equipment. A minimum of 10 simultaneous users may use the Wi-Fi Connectivity at Stations. This Wi-Fi Facility shall as a minimum cover Station Buildings and EDFC Tracks up to 500 meters in both directions	Kindly provide the central point on which coverage of 500 meters is required. Please provide the total distance for wifi coverage on platform, and both sides of platform also.	From centre of station building. Provisions of bid document are sufficiently clear.
338.	Part-2, Section V(B), Volume 8 Particular Specifications, Telecommunication Works PS clause 6.1.11, Page 38 of 143	Wherever, existing equipment provided under Contract Packages CP-104, are upgraded/augmented to meet the requirements of this Particular Specifications, the available provision for redundancy in existing equipment shall not be compromised and subsequent to upgradation/augmentation they shall meet the Technical Requirement and Performance Requirement as stipulated in this PS	The Contractor should be allowed to upgrade/augment the NMS installed at OCC under CP-104 and other contract packages for similar OEM, without compromising the available provision for redundancy in existing equipment for seamless integration.	Provisions of Bid Document are sufficiently clear and shall prevail.
339.	Part-2, Section V(B), Volume 8 Particular	All active equipment shall have LED indications indicating: (1) Normal operating conditions.	Major equipment in place of active equipment	Provisions of Bid Document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Specifications, Telecommunication Works PS Clause 4.5.1(5), Page 23 of 143	(2) Normal power supply. (3) Alarm conditions.		
340.	Part 2, Section V(A), Vol 6, General specifications (Appendices), Page No-146 of 154- Appendix-15	Details of S&T Work already Executed.	a) Quality Assurance/Check Report required for details of work already executed as per Appendix-15 b) Details of Trenching, ducting & OCF blowing work for complete section required. c) Detailed details and approved drawing (CRP, RFI etc.) is required. d) Service Assurance and warranty certificates required for details of work already executed as per Appendix-15	Please refer to S.No. 60 of Addendum No. 2.
341.	Part 2, Section V(A), Vol 6, General specifications (Appendices), Page No-146 of 154- Appendix-15	General Additional Query for the details of work Already Executed	a) Soil starta Plan Required b) Details of Splice Chambers & Loop Chambers Required c) OFC Cable continuity (Fresh OTDR Report Required) d) LSPM (Laser Source Power Meter) report required for Block Section. E) Duct Integrity Test Report Required. F) OFC Termination Details required as per approved Design Drawings g) Approved Cable Core Plan Required. h) Link Testing Report Required. i) Cable Loop details Required j) OFC Cable Earthing details required. k) OFC & Duct along Spares detail &	Successful Bidder shall have to interface with Engineer. Please also refer to S.No. 60 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			accessories OEM approval documents required.	
342.	Part 2, Section V(B) , Volume 7, Particular Specifications Clause 3.8.10 Page No.-315	Maintainability :- For Service life support Clause No.3.8.10 Point No.-04 The Contractor must ensure the following, but not limited to : (V) Supply additional equipment required for replacement or expansion of the network in future.	Details & No. of Quantity required for the supply of additional equipment required for replacement or expansion of the network in future.	Being a design and build contract General/Functional/Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
343.		Commercial Additional General Query	<p>a) Request for the clarification regarding the Import custom Duty Exemption for Telecom Equipments.</p> <p>B) Request for the consideration of the Foreign Exchange variation for the Import of Telecom equipments.</p>	<p>a) This is Government of India funded project. The concession(s), if any, specified in the Bid Document/as per law of land shall only be applicable for this project.</p> <p>b) Provisions of Bid Document shall prevail.</p>
344.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No. 2.3.1 (6) Page 280/638	The system shall have all the capability built into it to be configured at a later stage for remote control of Signalling System for use as Centralized Traffic Control (CTC) System from OCC with minimum configuration changes and no hardware add-on. Alternatively it shall be possible to control the TMS provided in this contract from CTC in OCC provided by other contractor. The Contractor shall seek clarifications in this regard from the Engineer in the early stages	<p>Additional Hardware may be required to achieve CTC option.</p> <p>CTC option for present zone from other vendors CTC shall be defined.</p>	Provisions of Bid Document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		of the project. The decision of the Engineer in this regard shall be final.		
345.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No. 2.3.2 (1) (e) Page 280/638	The Video Wall Display system for Signalling system shall display schematic of track layout, important indications of Station Control terminal, Signal aspects, Points, Track sections, LC gates, Els, other infrastructure details like stations/bridges etc. (The Engineer shall select which of the indications are to be treated as important).	Railways to provide Schematic representation of Els, Bridges / Stations	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
346.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No. 2.3.2 (1) (i) Page 281/638	The Contractor shall analyze Signalling indications displayed on various displays provided in TMS of other sections of EDFC and shall ensure similarity to the extent possible.	Railways to provide access and details of indications of TMS of other sections	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
347.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No.2.3.2 (1) (j) Page 281/638	It shall be possible for the TMS to send/receive the Signalling indications of its section to/from TMS of other sections of EDFC, as per interface agreement at Para 2.3.10 (4) of this specification.	Details of interface need to be defined.	Provisions of Bid Document are sufficiently clear and shall prevail.
348.	Part-2, Section V (B), Volume-7 Particular	The Train Describer System shall associate a train with a unique alphanumeric ID called a Train ID consisting of up to 8 alphanumeric	Details of Train ID numbering scheme need to be obtained from TMS Phase 1.	Provisions of Bid Document are sufficiently clear and shall

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	specifications Signaling works Clause No. 2.3.2 (2) (b) Page 281/638	characters displayed in a text box. This Train Descriptor System shall enable identification of all trains with Train ID as they move, and display real time information of their position and movements in sections monitored by TMS on Video Wall Display Panel and TMS Terminals. The Train ID together with Colour/image of text box containing it shall enable identification of trains as per their loads like Container, Petroleum products, food grains etc. The Contractor shall use the same Train ID numbering scheme as used in the TMS of EDFC Phase 1.		prevail.
349.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No. 2.3.2 (2) (l) Page 283/638	The TMS shall exchange the Train ID and associated information with TMS provided in other sections of EDFC as per details given under Para 2.3.10(4).	Details of interface need to be defined.	Provisions of Bid Document are sufficiently clear and shall prevail.
350.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No. 2.3.2 (3) (b) Page 283/638,	The Timetable Management functionality shall normally be operative from the TMS provided in EDFC Phase 1 by having TMS under this contract sharing all relevant databases of TMS of EDFC Phase 1. However the TMS shall also have provision of its own Timetable Management functionality provided for the section covered in this contract required for use as per operational requirements.	Details of interface need to be defined.	Provisions of Bid Document are sufficiently clear and shall prevail.
351.	Part-2, Section V	The TMS shall have capability to receive/send	Details of interface need to be defined.	Provisions of Bid Document

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	(B), Volume-7 Particular specifications Signaling works Clause No. 2.3.2 (3) © Page 283/638	necessary Timetable data from/to TMS provided in EDFC Phase 1. The related database shall be shared by this TMS with TMS of EDFC Phase 1. The contractors shall interface and jointly agree on the format and protocols for data exchange as per Para 2.3.10 (4) of this specification.		are sufficiently clear and shall prevail.
352.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No. 2.3.2 (5) (t) Page 287/638,	The TMS shall be able to respond to any query for alarm logs from TMS of other sections of EDFC, whenever required. The TMS shall be able to exchange the data with Central servers of other TMS for the same.	Details of interface need to be defined.	Provisions of Bid Document are sufficiently clear and shall prevail.
353.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No. 2.3.2 (6) (a) Page 287/638	The Crew Management functionality shall normally be operative from the TMS provided in EDFC Phase 1 by having TMS provided under this contract sharing all relevant databases with TMS of EDFC Phase 1 or from Crew Management system of IR through FOIS interface. However the TMS shall also have provision of its own Crew Management functionality provided for the section covered in this contract.	Details of interface need to be defined. FOIS integration procedure to be discussed with CRIS and DFCL shall coordinate	Provisions of Bid Document are sufficiently clear and shall prevail.
354.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No.2.3.2	The TMS shall be required to send/receive the details of the Crew management information with the Central servers of TMS of EDFC Phase 1 or server of Crew Management system of IR through FOIS interface. The format of the exchange shall be jointly agreed	Details of interface need to be defined. FOIS integration procedure to be discussed with CRIS and DFCL shall coordinate	Provisions of Bid Document are sufficiently clear and shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	(6) (m) Page 288/638	between the Contractors.		
355.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No.2.3.2 (7) (h) Page 289/638	The TMS shall be required to send/receive the details of the Management information system reports with Central server(s) of TMS of other sections of EDFC as per Para 2.3.10 of this specification. The format of the exchange shall be jointly agreed between the Contractors.	Details of interface need to be defined.	Provisions of Bid Document are sufficiently clear and shall prevail.
356.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No.2.3.3 (7) Page 291/638	The TMS System shall have inbuilt redundancy in the software and hardware at OCC as well as at the wayside locations including all servers, communication network equipment and links/channels such that a failure of single component of the TMS system does not lead to loss of overall TMS functionality.	Redundancy at OCC is planned where as Stations only Network elements and channels are redundant. Redundancy of TMS terminals at stations are not planned. However the availability of system is not effected by single component failure.	Provisions of Bid Document are sufficiently clear and shall prevail.
357.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No.2.3.4 (1) (m) Page 292/638	The Contractor shall to the extent possible design the user interface of the TMS terminals, similar to the user interface of TMS terminals provided in EDFC Phase 1.	User interfaces (MMI) can not be modified to suit to Phase 1 as these are defined and accepted.	Provisions of Bid Document are sufficiently clear and shall prevail.
358.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works	Central server shall have following minimum hardware configuration: (i) Type: High end server. (ii) Processor – Minimum 64 Bit, Multi Core	Clarification required on number of cores and number of processors of system. Vendors can assume 2 or more as “Multi”	Being a design and build contract General/Functional/Performance requirement have been specified in the Bid Document.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Clause No.2.3.6 (2) (f) Page 300/638	Multi processor.		The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
359.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No. 2.3.6 (4) (a) Page 301/638	All TMS terminals shall have similar hardware configuration. Following Hardware Configuration shall be proposed : (i) Type: Industrial Workstation. (ii) Processor: 64 Bit Multi Core Multi Processor.	Clarification required on number of cores and number of processors of system. Vendors can assume 2 or more as "Multi"	Being a design and build contract General/Functional/Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
360.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No.2.3.7 (3) Page 306/638	Display Controller	As Videowall is supplied and installed, expecting Display Controllers to be made available	Provisions of Bid Document are sufficiently clear and shall prevail. Please also refer S.No. 60 of Addendum No. 2.
361.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No.2.3.7 (4) Page 307/638	Wall Management Software	As Videowall is supplied and installed, expecting Wall Management Software with specs matching are loaded in Display Controllers and are made available	Provisions of Bid Document are sufficiently clear. Please also refer S.No. 60 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
362.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No.2.3.8 (1) Page 308/638	Wayside Communication equipment at Electronic Interlocking shall be provided with redundancy for meeting communication requirements between Wayside electronic Interlocking and Servers at OCC. It shall provide interface with the Potential Free Contacts of relays used in Signal Equipment Room.	<p>We need to plan for FIUs to read Potential Free contacts of relays.</p> <p>As per our previous plan, we planned to read the status of Relays using Interface Module (IFM) of EIS.</p> <p>Need to seek clarification from railways on this.</p>	Provisions of Bid Document are sufficiently clear.
363.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No.2.3.8 (2) Page 309/638	These units shall be installed in Signal Equipment room. 20% of the slots used for fixing I/O and peripheral cards shall be kept spare for future expansion.	Need clarification on reading logical inputs from EI	Provisions of Bid Document are sufficiently clear.
364.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No.2.3.10 (3) (a) Page 309/638	The integration of TMS with FOIS network of IR shall ensure seamless data flow between the systems, so as to operate train services across DFCCIL and IR without or with minimal manual intervention during exchange, change in route, train composition, destination, origination, Expected Arrival Time (ETA)/Expected Departure Time (ETD) etc.	FOIS integration procedure to be discussed with CRIS and DFCL shall coordinate	Provisions of Bid Document are sufficiently clear and shall prevail.
365.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No.2.3.10 (4) (a)	The TMS provided under this contract shall be designed to interface with TMS provided for other sections of EDFC.	Details of interface need to be defined.	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Page 309/638			
366.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No.2.3.10 (4) (d) Page 309/638	The contractor shall prepare Interface specification jointly with the contractors of other sections of EDFC detailing the information required to be shared between TMS provided by him and the TMS of other sections of EDFC. The contractor shall share all the required information of his TMS, including the data formats, protocols, physical/logical connectivity and limitations related to the interface, with the Employer/other contractors, to enable them design their interface. Similarly, the contractor shall obtain all the required information from TMS providers of other sections of EDFC and design its interface accordingly.	Details of interface need to be defined.	Provisions of Bid Document are sufficiently clear.
367.	Part-2, Section V (B), Volume-7 Particular specifications Signaling works Clause No.2.3.10 (4) (f) Page 309/638	The TMS of this contract shall normally use the Timetable and Crew Management system provided in EDFC Phase 1. To aid implementation, the contractor shall supply the necessary sectional data of EDFC Phase 2 to the contractor of EDFC Phase 1. Not only that the TMS provided under the contract be designed to receive the Timetable and Crew Management information from the Central server of TMS of EDFC Phase 1 but also it shall have facility to carry out any updates in the Timetable and Crew Management information provided in Central Server of EDFC Phase 1.	Details of interface need to be defined.	Provisions of Bid Document are sufficiently clear.
368.	Part 2, Section	Centralized Operational Control Centre (OCC)	What is the scope of work? How does	The provisions in Bid

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	V(A), Vol. 1 General Specifications Page 108 of 638 2.1.8 Operation Control Center Facilities	for the entire Eastern Dedicated Freight Corridor, i.e. including EDFC Phase-2, has been constructed at Allahabad under a separate Contract Package CP-104.	interoperability will be achieved?	Document is self-explanatory.
369.	Part 2, Section V(B) , Volume 7 Particular Specifications Signalling Works clause 1.1.4 page no. 254 of 638	To provide integrated maintenance facilities for all functions – Civil, Electrical, S&T at a centralized location, Integrated Maintenance depots (IMD) – 3 Nos. and Integrated Maintenance Sub Depots (IMSD) – 5 Nos. have been planned to be constructed. The details of maintenance depots are covered in Para 2.1.6 of General specification Vol.1 Part 2 Section V(A).	What is the scope of work? How does interoperability will be achieved?	The provisions in Bid Document is self-explanatory.
370.	Part 2, Section V(B) , Volume 7 Particular Specifications Signalling work, clause no. 1.4 (5) page 257 of 638	Modification of Video Wall for OCC and TMS	Shall we get the original source codes and the details of the software used	Provisions of Bid Document are sufficiently clear. Please also refer S.No. 60 of Addendum No. 2.
371.	General	All the materilas procured so far	Material acceptance certficate will be requested from DFCCIL	Provisions of Bid Document are sufficiently clear.
372.	Part 2, Section V(B) , Volume 7 Particular Specifications Signalling work, clause 1.5.2 ,	The contractor shall be responsible for and shall bear and pay the costs for any alteration of works arising from any discrepancies, errors or omissions in the design and drawings supplied by him, whether such designs and drawings have been approved by	This clause should be valid for the designs created by the new works. For old works, executed by the previous contractor this particular clause should not be mad applicable	Free issue material shall be dealt as per GCC clause 4.20. For works already executed please refer to S.No. 60 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Page no. 257 of 638	the Engineer or not.		
373.	Part 2, Section V(B) , Volume 7 Particular Specifications Signalling work, clause 1.9.2, page no. 258 of 638	Supply of equipments as per the latest RDSO or similar standards	This clause should be not be applicable for already supplied materials. We request you to modify the this clause accordingly.	Provisions of Bid Document are sufficiently clear and shall prevail.
374.	Part 2, Section V(B) , Volume 7 Particular Specifications Signalling work, clause 2.2.3 (2.e), Page no. 264 of 638	The interlocking shall be provided with a data recording system allowing all interlocking states to be time stamped and recorded. The data recording system shall record and retain interlocking state data for a minimum period of 7 days on a rolling 7 day basis. Interlocking data shall be available to the user for interrogation through a suitable PC interface	It depends purely on the number of events to be recorded. Diagnostic system will record these values for the 7 days...	Provisions of Bid Document are sufficiently clear and shall prevail.
375.	Part 2, Section V(B) , Volume 7 Particular Specifications Signalling work, clause 2.2.3 (4.f), Page 265 of 638	The System shall have provision for accommodating additional 25% of the I/O Card used as minimum spare provision, including corresponding Processor capacity for future use.	As per RDSO SPN/192/2019 spare slot is 15% to be reconsidered. We request you to modify this clause accordingly.	Provisions of Bid Document are sufficiently clear.
376.	Part 2, Section V(B) , Volume 7 Particular Specifications Signalling work, clause 2.2.1(3),	Absolute block working on single line connections between DFCCIL and IR stations shall be provided using Solid State Block proving by Axle Counter as per RDSO spec. RDSO/SPN/175/2005 with latest amendment or Block proving by	For single line sections block working who will have to provide equipments and materials for IR alteration.	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Page 261 of 638	Axle Counter using UFSBI as per RDSO spec. IRS: S105/2012 with latest amendment. Wherever provision of Absolute Block working as described above is not feasible provision of Slot working with all necessary safety features and counters be considered.		
377.	Part 2, Section V(B) , Volume 7 Particular Specifications Signalling work, clause 2.2.5(2)(l)(iii), Page 269 of 638	The first DP of a track section in Automatic Block Section shall be located at least at 3 metre from the foot of the signal controlled by the track section. The other DP of this track section shall be at not less than the overlap distance from the next signal in the direction of train movement.	At what distance Axle counter DP can be installed ahead of Starter signals	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
378.	Part 2, Section V(B) , Volume 7 Particular Specifications Signalling work, Clause 2.2.6 (1)(e)/2.2.6(2)(d), Page 272 of 638	Power Supply for LC gates	As per para 2.2.6 (1)(e) there shall be separate IPS shall be installed at LC gate Huts But in 2.2.6(2)(d) poer supply can be extended from the nearest Signaling Power system at ALH/Station. Can we utilise Power supply available near the gate for its operation and if Power supply is not available seperate power supply (IPS/UPS) for gate operation	Bidder's understanding is not correct. Provision of bid document shall prevail.
379.	Part 2, Section V(B) , Volume 7 Particular Specifications Signalling work, Clause 2.2.6 (2) (g) Page 272 of	The Common Indication Panel for IR and DFCC lines shall be a Domino Type Control cum Indication Panel (CCIP), provided as per RDSO specification RDSO/SPN/186/2004 with latest amendment and shall be procured from RDSO approved Vendor as per Para 4.3 of this Particular specification.	Is CCIP required for the gates situated in Station Sections	Being a design and build contract General/Functional/Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	638			shall be approved by the Engineer after award of contract.
380.	Part 2, Section V(B) , Volume 7 Particular Specifications Signalling work, Clause 2.2.2(1) (C) Page 261 of 638	All Main line signals shall be 04 aspect Colour light automatic/semi-automatic line side signals. The signals on the loop lines shall be 2/3 aspect signals.	All main line signals shall be 04 Aspects color light automatic /Semiautomatic line side signals.Signals in the looplines shall be 2/3 aspect signals-Please mention the when loop line starter can exhibit double yellow	Being a design and build contract General/Functional/Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
381.	Appendix 15, Part 2, Section V(A), Vol 6 Page No.241 of 638	Status of Auto Location Hut (ALH) to be constructed by Contractor	<ul style="list-style-type: none"> •Please provide the Structural drawings (Good for Construction) already approved and which are followed for execution of already constructed work. • Please provide the pictures of the work executed at site for more clarification to estimate the work status. •Please share the soil investigation report of these site locations and soil parameters considered in design. •Please share the level of plinth level above ground level considered for these site locations as per the site conditions. •Please note that since work status is not green field and successful contractor has to follow the already approved design for these buildings therefore approved design and drawings of buildings at each site location will help in better 	<p>The indicative Building Plans of S&T service buildings are appended at Part-4, Reference Documents.</p> <p>Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).</p> <p>For all other details successful bidder of CP-203R Contractor shall have to interface with Engineer.</p>

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			understanding of work and quantum of scope	
382.	Si No. 9 of Part-II Section V(A) Volume-6 General specifications (Appendices) Appendix 15 Page No.241 of 638	Signal cable laying	Request you to share the Cable core plan/ cable route plan for the section which the cable laying is completed.	Successful Bidder shall have to interface with Engineer.
383.	General	Cable Core plan	Request you to share the Cable core plan/ cable route plan for the station location	Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).
384.	Si No. 9 of Part-II Section V(A) Volume-6 General specifications (Appendices) Appendix 15 Page No.241 of 638	Laid in two different trench stretch of 200 Km. Each trench has two OFC in HDPE ducts	Request you to share the location of the executed work	Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).
385.	General	Status of buildings at station location	Request you to share the	Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).
386.	Appendix 15, Part 2, Section V(A), Vol 6	Status of Relay Hut (RH) to be constructed by Contractor	•Please provide the Structural drawings (Good for Construction) already approved and which are followed for execution of already constructed	The indicative Building Plans of S&T service buildings are appended at Part-4, Reference

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Page No.241 of 638		<p>work.</p> <ul style="list-style-type: none"> • Please provide the pictures of the work executed at site for more clarification to estimate the work status. •Please share the soil investigation report of these site locations and soil parameters considered in design. •Please share the level of plinth level above ground level considered for these site locations as per the site conditions. •Please note that since work status is not green field and successful contractor has to follow the already approved design for these buildings therefore approved design and drawings of buildings at each site location will help in better understanding of work and quantum of scope 	<p>Documents.</p> <p>Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).</p> <p>For all other details successful bidder of CP-203R Contractor shall have to interface with Engineer.</p>
387.	CI 1.3, Architecture, Part 2, Section V(B), Vol 9 Page No. 576 of 638	The Architecture design shall include not limited site plans, floor plans, elevations, sections including detail design and drawing. Structure includes signature architecture in terms of elevations and other structure elements including efficient use of green building concepts and other sustainable building materials	<ul style="list-style-type: none"> •Please clarify if any architectural design of buildings is in the scope of successful contractor. In our understanding the architectural design of the buildings is already approved. •Please share the approved architectural design of the buildings. •Please clarify if any scope related to Green Building certification is in the contractor scope. 	<p>Provisions of Bid Document are sufficiently clear.</p> <p>Being a design and build contract General/Functional/Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.</p>
388.	CI 1.4.6 (2), Operational	Although the exact size of the SERs, TERs and S&T Power Supply Equipment Rooms will	<ul style="list-style-type: none"> • In appendix 1, only indicative drawing is provided. Since work has already been 	<p>Bidders shall verify themselves. Any assistance</p>

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	requirements, Part 2, Section V(B), Vol 9 Page No. 576 of 638	be determined at the design stage, the minimum carpet area shall be as per drawing in Annexure-1	executed at site with some approved Good for construction drawings, please share the same for better understanding of work scope	required will be provided by CGM/ALD(E). Please refer to S.No. 58 & 59 of Addendum No. 2.
389.	CI 1.4.6 (3), Operational requirements, Part 2, Section V(B), Vol 9 Page No. 576 of 638	The plinth level of Signalling Equipment Rooms, Telecommunication Equipment Rooms and Signalling & Telecommunication Power Supply Equipment Rooms in ALH/RH/LC Gates shall be at least 300mm above the Rail Level for embankment height upto 2 mtrs and 600mm above HFL/900mm above ground level whichever is higher for embankment height of more than 2 mtrs. The ceiling height of these rooms shall be approximately 3600mm above floor level.	<ul style="list-style-type: none"> • Please provide the following site parameters of sites • High Flood Level (HFL) of site. • Reduced level of Existing ground level of site. • Reduced level of rail top in the neighborhood of site. 	Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).
390.	CI 1.4.6 (5), Operational requirements, Part 2, Section V(B), Vol 9 Page No. 577 of 638	The distance of chain link fencing from the walls of SER, TER and S&T power supply equipment room shall generally be 1.5 mtrs or as decided and approved by the Engineers during design stage	• Please share the typical Chain link fencing drawing details to be followed	Please refer to S.No. 67 of Addendum No. 2.
391.	CI 1.4.6 (6), Operational requirements, Part 2, Section V(B), Vol 9 Page No. 577 of 638	The foundations of buildings shall be designed for at least one story more than the requirement	• Please share the drawings or site pictures to understand how this is ensured win constructed buildings for future modifications	Please refer Typical GAD of ALH & RH appended at Part-4, Reference Documents. Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
392.	CI 1.4.6 (8), Operational requirements, Part 2, Section V(B), Vol 9 Page No. 577 of 638	The site of the work shall be cleared off the shrubs, rank vegetation, grass, bushes and other materials upto adequate depth as required as per site condition and rubbish removed outside the periphery of the area being cleared. The enclosed area between Chain Link Fencing and the building shall then be filled with the earth up to Rail Level as well as compacted by a suitable method as decided by Engineer	•Please clarify if Break bund wall will be enough to retain the filled up soil of RCC retaining or stone pitching will be required	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
393.	Technical specifications for civil design	The Geotechnical investigation of sites is not provided in the Bid document	<ul style="list-style-type: none"> • Please provide the following site parameters for sub-structure design • Allowable bearing pressure of site. • Depth of foundation for sub-structure design • water table at the site. • Seismic Zone of the site 	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
394.	Technical specifications for civil design	The construction material specification details are not specified in the bid document.	<ul style="list-style-type: none"> • Please provide the grade of Construction material to be considered for civil works • Grade of Concrete for Lean/PCC works in buildings • Grade of Concrete for CC works in buildings • Grade of Concrete for RCC works in building • Grade of Concrete for Switchyard foundations • Grade of Reinforcement steel • Grade of Cement 	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
395.	Standard	The details drawings for Relay Hut (RH) &	• Please provide the detail layout drawings for	Please refer to S.No. 58 & 59

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	RDSO/DFCCIL Approved drawings for the proposed structures, buildings & layouts	Auto Location Hut (ALH) are not provided in the bid document	<p>the following</p> <ul style="list-style-type: none"> Architectural Design of RH & ALH (Site plans, Floor Plans, Elevations, Sections & Services Details) Structural Design of RH & ALH (Layout at foundation, plinth & Roof level, column R/F, Plinth Beam R/F & Roof beam & Slab R/F details.) 	of Addendum No. 2.
396.	Part-1, Section-I, Instructions to Bidders	On award of contract to a JV, a single Performance Guarantee shall be submitted by the JV as per Bid conditions. All the Guarantees like Performance Guarantee, Bank Guarantee for Mobilization Advance, Machinery Advance, etc. shall be accepted only in the name of the JV and no splitting of guarantees amongst the members of the JV shall be permitted.	We request to kindly permit the submission of multiple Performance Guarantee, Bank Guarantee for Mobilization Advance, Machinery Advance, etc. in the name of JV. Hence allowing the splitting of guarantees amongst the members of JV.	Provisions of Bid Document shall prevail.
397.	Part-1, Section-III, Evaluation and Qualification Criteria, 2.3.1(a) Specific Experience	<p>(i) The bidder/JV Firm or any member of the JV firm must have substantially completed in the last Ten previous financial years and the current financial year up to the date of invitation of Bid at least one single work for a minimum value of INR 183 Cr. (One Hundred Eighty Three Crore) and involving all components mentioned below:-</p> <p>a) Signalling works on Railway/ Metro Rail/Suburban Rail transit system.</p> <p>b) Telecommunication works on Railway/ Metro Rail/ Suburban Rail transit system.</p>	<p>We would like to state that the qualification criteria set forth in the primary tender was way different –copy enclosed.</p> <p>We would therefore request you to kindly amend the qualification criteria enabling the earlier participants to participate, as the new criteria is not favouring the Indian Companies, In the past very few signalling works had been executed in Indian subcontinent whose value is more than 50 Crs.</p>	<p>Provisions of Bid Document shall prevail.</p> <p>Please also refer to Sr. No. 12 of Addendum No. 2.</p>

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		c) Civil/Building/Structure works.		
398.	Part-3, Section II, Particular Condition of Contract, Sub-clause 5.1, General Design Obligation	The Contractor shall carry out, and be responsible for, the design of the Works. Design shall be prepared by qualified designers who are engineers or other professionals who comply with the criteria (if any) stated in the Employer's Requirements with reference to purpose, scope, design and/or other technical criteria for the works. Unless otherwise stated in the Contract, the Contractor shall submit to the Engineer for consent the name and particulars of each proposed designer and design Subcontractor.	Since the subject tender is taken over of partially completed work, the employer is requested to furnish all the pre-approved (existing) designs which are to be used in the execution of proposed contract	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
399.	Part 1 2.3.1(a)		<p>The financial bench mark for signalling, telecom & Civil works of 183 Cr, 32 CR & 5 Cr respectively for qualification is unlikely to be met by "Indian Company", since very few tenders of this size have been issued in the last ten years.</p> <p>We request for an addition/modification of clause/conditions to be incorporated for "Indian Company" to qualify</p> <p>The bidder/JV or any member of the JV firm must have completed in the last ten previous financial year and the current financial year up to date of invitation of Bid :</p> <p>a) At least three contract, with minimum single contract value of 25 Cr (Twenty Five Crore) and sum total value of at least INR 142 Cr</p>	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			<p>(One Hundred Forty two Crore) of Signalling works on Railways/Metro/Suburban Rail Transit Systems</p> <p>b) At least three contract with minimum single contract value of 9 Cr (Nine Crore) and sum total value of at least INR 32 Cr (Thirty Two Crore) of Telecommunication works on Railways/Metro/Suburban Rail Transit Systems</p> <p>c) One contract having value of at least INR 5 Cr (Five Crore) Civil/Building/Structure works on Railways/Metro/Suburban Rail Transit Systems.</p> <p>AND</p> <p>d) Aggregate values as a resultant of above (a), (b) &(c) must be at least 183 Cr</p> <p>This is similar to Clause 4.2(a) of previous CP-203 tender Qualification Criteria.</p>	
400.	Part 2 PS-2.2.3(4) & PS-1.3.3		<p>Since Shared SIP is based on previous contractor design including EI the same may undergo changes, kindly confirm whether the design changes of SIP, cable corage plan etc is permissible. The relevant approved planed as mentioned in the clause along with AUTOCAD files may kindly be provided.</p>	<p>The SIPs appended at Part-4, Reference Documents are indicative and only pdf version of the same shall be provided. These SIPs shall be reviewed and revalidated by the contractor from Signalling & Interlocking point of view.</p>

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
401.	Part 2 PS-5.3.6 (9)		Whether HDD is Allowed at places other than mentioned in clause and where there is space constraint, kindly clarify.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The design is in the scope of Contractor. HDD will be allowed as per design.
402.	Part 2 PS-1.4.6 (3)		Whether Scope of backfilling for ALH/RH/TH to bring it up to the rail level is in scope of Civil Contractor or S&T Contractor. Kindly Clarify	It is in the scope of present tender (CP-203R).
403.	Part 2 GS - 6.0-Point 13 of Interface Table		Approved Track Crossing Plan/Drawing to be shared, wherever it is required. Since lot of work has been done by Civil Contract, hence kindly confirm, whether it is part of civil contractor or S&T Contractor's work.	Provisions of Bid Document are sufficiently clear. Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).
404.	Part 5 Price Schedule	a)	Under this a list of material and list of executed work is mentioned "as it is where it is basis" and since the material is in packed condition and cable are buried under the ground, in view of the same, kindly clarify the following: a) Material to be given to contractor will be handed over in good health along with necessary. Request you to also provide supporting RFIs, Store Register etc. and guarantee, warranty documents in addition to warranty & DNP guarantee from respective OEMs/Vendors. In case during execution stage and while	The materials enlisted as free issue materials in the Bid Document in Appendix-15, General Specifications and Part 5, Price Schedule shall only be handed over to the CP-203R contractor after award of contract. Please refer to S.No. 28 & 68 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			<p>testing the material, if they are found defective, in that case kindly confirm the method by which the Contractor's Claim will be entertained.</p> <p>b) Kindly provide the RFIs of laid Cables for verification of quantities mentioned in the bid document. Kindly clarify if during execution, defects are found than re-work needs to be done. In that case kindly confirm the method by which the Contractor's Claims will be entertained.</p> <p>c) During site visit lot of used cable drums of different cable types were seen in the store, kindly confirm these used cable drums are not part of List of Material to be handed over to Contractor.</p> <p>d) ALH/RH are under different stages of construction, kindly provide the relevant RFI and clarify who is responsible for quality of contrition work executed by previous contractor.</p> <p>We suggest to incorporate a quantity based bill of material for material/executed work in the bid, based on which a claim could be raised as and when it's detected in material and work supplied and executed by previous contractor and which are being handed over to new Contractor.</p>	
405.	Part 2 PS-1.6.2		Kindly share details of approved PDD and DD	Being a design and build contract General/ Functional/ Performance requirement have

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
				been specified in the Bid Document. The design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
406.	Part 2 GS-2.2.3		Kindly provide us the drawings of level crossing gates Lodges, building, IMD etc. as mention in the clause and being built by civil contractors. Kindly confirm whether it has provisioned rooms to install all S&T equipment's required at Level Crossing gate, Building, IMD, IMSD etc.	The indicative Building Plans of are appended at Part-4, Reference Documents. Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).
407.	Part 2 PS-Chapter 8		If any tentative GSM-R Design is available than kindly share.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
408.	Part 2 GS-2.1.8		Kindly clarify under whose scope Cable & Wiring works at OCC for connecting telecom and signalling equipment falls.	Provisions of Bid Document are sufficiently clear.
409.	Part 2 PS-2.2.7		Kindly share the details and make of point machine, which has been proposed to be used in the Works.	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
410.	Part 2 PS-5.3.3.2		Since the route diversity is defined as one along the up track and another along the down track the same can be achieved by laying the OFC cable along the signalling cable in the same trench. thus, reducing the number of trenches. Kindly confirm if this is acceptable.	Provisions of Bid Document are sufficiently clear and shall prevail.
411.			Since the previous tender was awarded few years back, we request you to add Escalation Clause in the tender. This clause was there in previously awarded tender.	Request not accepted. Provisions of Bid Document shall prevail.
412.	Part 2 GS- 14.2 (I)		We request DFCCIL to provide land free of cost to set up the temporary structures on DFCCIL/IR land, wherever it is possible	Provisions of Bid Document are sufficiently clear and shall prevail.
413.	4 of ITB, Page 11	Eligible Bidder	<p>We understand that Consortium is allowed between Onshore companies or between onshore and offshore company as was allowed in previous tenders of DFFCIL. (Ref IFB HQ/SYS/EC/D-B/Khurja – Pilkhani – CP 305; clause no. 4, page no. 9 of 1271)</p> <p><i>Note – Similar mode of participation is permitted in various other Railway Authorities; and in recently published EPC Tenders from CORE for Railway Overhead Electrification of mainline. (Ref ELCORE-OHE-EPC-15A; clause 1.2.1, page no. 9 of 66)</i></p> <p><i>Refer Annexure 1</i></p>	Please refer to S.No. 1 & 3 Addendum No. 2
414.	4.1. b. xviii),	On issue of LOA (Letter Of Acceptance),	Registration of the MoU/JV agreement can be	Please refer to Sr. No.1 & 3 of

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Page 14	the MOU/JV agreement among the members of the JV to whom the work has been awarded, with the same shareholding pattern as was declared in the MOU/JV Agreement submitted along with the Bid, shall be got registered before the Registrar of the Companies under 'The Companies Act- 2013' (in case of Company) or before the Registrar/Sub-Registrar under 'The Indian Partnership Act, 1932 (in case of Partnership Firm) or under 'The LLP Act 2008' (in case of LLP). A separate PAN shall be obtained for this entity. The documents pertaining to this entity including its PAN shall be furnished to the DFCCIL before signing the contract agreement for the work. In case the Bidder fails to observe/comply with this stipulation within 60 days of issue of LOA, contract is liable to be terminated. In case contract is terminated the DFCCIL shall be entitled to forfeit the full amount of BID SECURITY and other dues payable to the Contractor under this contract.	done under the Registration Act, 1908 and not mandatorily under the Companies Act-2013/Indian Partership Act, 1932/ LLP act, 2008. Kindly confirm?	Addendum No. 2.
415.	Part 2, Section V(A), Vol 6, Page 147 of 154	LIST OF EXECUTED S&T WORKS	We understand that a lot of underground cables are laid in the section. Please confirm that the same are in good condition and can be used as a part of balance works at site.	Please refer to S.No. 60 Addendum No. 2.
416.	Part 2, Section	Appendix 15	We understand from the tender documents	Provisions of bid document

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	V(A), Vol 6,, Page 146 of 154		that some material will be given to contractor free of cost. Please confirm that this material is in good condition and can be used for the balance works. Also, please confirm the quantities that needs to be supplied by the contractor.	are sufficiently clear. Free issue material shall be dealt as per GCC clause 4.20.
417.		Site visit	During site visit, we have found a lot of material lying in warehouses. Please confirm the items and their exact quantities if same can be used for balance works of this tender.	The materials enlisted as free issue materials in the Bid Document in Appendix-15, General Specifications and Part 5, Price Schedule shall only be handed over to the CP-203R contractor after award of contract.
418.	Part 2, Section V(A), Vol 6, Page 147 of 154	LIST OF EXECUTED S&T WORKS	We understand that a lot of work is executed in the section as per the list provided which is mentioned in Km. We request you to kindly share the following: <ol style="list-style-type: none"> 1. Details of route / stations/ sections at which these works are done. 2. Drawings followed for laying these cables. Signaling gears for which these cables are laid.	The successful Bidder shall interface with the Engineer after award of contract.
419.	Part 2, Section V(A), Vol 6, Page 152 of 154	Status of Auto Location Huts (ALHs) to be constructed by contractor	This list shows the tentative status of ALHs that needs to be constructed by contractor. Please confirm the exact status of these ALHs.	Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
420.	Part 2, Section V(A), Vol 6,, Page 153 of 154	Status of Relay Huts (RHs) to be constructed by contractor	This list shows the tentative status of RHs that needs to be constructed by contractor. Please confirm the exact status of these RHs.	Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).
421.	Part 2, Section V(B), Volume 7 /2.2.7, Page 23 of 178		Please confirm whether the point machines shall operate in succession or in parallel.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
422.	Part 2, Section V(B), Volume 7 /2.2.7, Page 23 of 178		Please confirm whether 220mm or 143mm throw point machines to be used.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
423.	Part-1, Section-III / Evaluation and Qualification Criteria / 2.3.1(a) Note 3	In case of composite works contract, work must comprise different components for minimum values given in (ii)a, (ii)b and (ii)c above, for satisfying the eligibility criteria (ii) above.	We request you to allow 183 Cr single work value without any cap on individual value for sub systems like signalling, telecom and civil.	Provisions of Bid Document shall prevail. Please also refer to Sr. No. 12 of Addendum No. 2.
424.	Part-1, Section-III / Evaluation and	Existing JV - Must meet requirement	In case of JV / Consortium arithmetic sum to be allowed in case of specific experience as	Provisions of Bid Document

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Qualification Criteria / 2.3.1(a)	Or any member of proposed JV - Must Meet Requirement.	allowed for financial experience, as It is difficult to find signalling companies who has completed single work of 146 Cr + 32 Cr of Telecom work. This will result in total dependency on foreign bidder who might be reluctant to form JV & Indian company will totally depend on partner for work. In addition he might not be interested as product to be sourced from RDSO approved vendors only. Request you to please soften the terms.	shall prevail.
425.	4 of ITB	Eligible Bidder	<p>We understand that Consortium is allowed between Onshore companies or between onshore and offshore company as was allowed in previous tenders of DFFCIL. (Ref IFB HQ/SYS/EC/D-B/Khurja – Pilkhani – CP 305; clause no. 4, page no. 9 of 1271)</p> <p>Note – Similar mode of participation is permitted in various other Railway Authorities; and in recently published EPC Tenders from CORE for Railway Overhead Electrification of mainline. (Ref ELCORE-OHE-EPC-15A; clause 1.2.1, page no. 9 of 66) Refer Annexure 1</p>	Please refer to S.No. 1 & 3 Addendum No. 2.
426.	4.1. b. (xviii)	On issue of LOA (Letter Of Acceptance), the MOU/JV agreement among the members of the JV to whom the work has been awarded, with the same shareholding pattern as was declared in the MOU/JV Agreement submitted along with the Bid, shall be got registered before the Registrar of the Companies under 'The Companies Act-2013' (in case of	<p>Registration of the MoU/JV agreement can be done under the Registration Act,1908 and not mandatorily under the Companies Act-2013/Indian Partership Act,1932/ LLP act,2008.</p> <p>Kindly confirm?</p>	Please refer to Sr. No.1 & 3 of Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		<p>Company) or before the Registrar/Sub-Registrar under 'The Indian Partnership Act, 1932 (in case of Partnership Firm) or under 'The LLP Act 2008' (in case of LLP). A separate PAN shall be obtained for this entity. The documents pertaining to this entity including its PAN shall be furnished to the DFCCIL before signing the contract agreement for the work. In case the Bidder fails to observe/comply with this stipulation within 60 days of issue of LOA, contract is liable to be terminated. In case contract is terminated the DFCCIL shall be entitled to forfeit the full amount of BID SECURITY and other dues payable to the Contractor under this contract.</p>		
427.	Part-2 / Section V(B) / Volume 7 / 1.1.6	The Civil Structures Track and Electrification works in Deen Dayal Upadhyay-New Bhaupur section are have started.	Please confirm the status of works completed till date under CP-201, CP-202 & CP-204.	Please refer S.No. 23 of Addendum No. 2. Works in CP-201 & CP-202 have already started.
428.	Part-2 / Section V(B) / Volume 7 / 1.3.3	The Signals, Points, LC gates, Track-vacancy detection systems and other Signalling equipment at the stations and in the block sections will be controlled/monitored by Electronic Interlocking (EI) located at Stations and at Auto Location Huts along the route.	We understand that EI will also be provided at every Auto Location Hut and it will be acting as a I/O gatherer and final interlocking will take place at the respective controlling station of that ALH. Please confirm.	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
429.	Part-2 / Section V(B) / Volume 7 / 1.3.12	The number, size and location of ALH shall be determined by the contractor's design.	Since the location of ALHs are shown in SIPs and some civil work has already been done by the previous contractor for the same, we assume that there will be no change in the position of ALHs. Please confirm.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
430.	Part-2 / Section V(B) / Volume 7 / 1.4.1	The necessary alteration in Signalling at New Bhaupur station provided under EDFC Phase I, required to implement the system shall be carried out by the Contractor.	Please provide detailed drawings / circuits of New Bhaupur to carry out the changes as per the present tender.	The successful Bidder shall interface with the Engineer after award of contract.
431.	Part-2 / Section V(B) / Volume 7 / 2.2.3	The Alignment Plans Yard plans and Signal Interlocking plans (SIP) have been provided under Part 4 – Reference documents.	SIP for DDU is not available along with other inputs. Please provide the same. Also, Since these SIPs are not approved by Engineer / Employer, we request you to please provide the approved SIPs and confirm whether we can consider them as sacrosanct inputs for further designs / works.	SIPs appended in Part-4 Reference Document are indicative. Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor.
432.	Part-2 / Section V(B) / Volume 7 / 2.2.4	The display on the Control terminal shall however, include not only the current state of railway under control of the Station Master, but shall also include further display for the complete block sections up to the adjacent stations on both sides.	We request you to limit the further display to ALH / block section under the jurisdiction of the respective station instead of displaying the complete block section to avoid duplicating the information at all stations.	Provisions of Bid Document are sufficiently clear and shall prevail
433.	Part-2 / Section V(B) / Volume 7 /	High availability Single Section Digital Axle Counter (HASSDAC) as per RDSO	Please confirm whether SSDAC or HASSDAC shall be provided on single lines connecting	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	2.2.5	specification no. RDSO/SPN/177/2012 with latest amendment and shall be procured from RDSO approved Vendor as per Para 4.3 of this Particular specification. SSDAC shall be provided on single lines connecting DFCCIL and IR Junction stations that are provided with Absolute block working.	DFFCIL and IR junction stations.	
434.	Part-2 / Section V(B) / Volume 7 / 2.2.5	The Supervisory system, where used, shall have a separate Evaluator from the Main system.	We understand that supervisory system for both UP & DN lines can have a common / single evaluator.	Provisions of Bid Document are sufficiently clear.
435.	Part-2 / Section V(B) / Volume 7 / 2.2.6	For the 15 LC gates to be interlocked, Gate Huts are being constructed under Contract Packages 201 & 202.	We understand that the gate lodges will be made ready under contract packages 201 & 202 by the time 203(R) work will be started. Please confirm.	Provisions of Bid Document are sufficiently clear.
436.	Part-2 / Section V(B) / Volume 7 / 2.2.6	For the 15 LC gates to be interlocked, Gate Huts are being constructed under Contract Packages 201 & 202.	We understand that these gate huts will be self-sufficient in terms of spacing requirements for signalling equipments required for gate interlocking. Please confirm.	Provisions of standard equipment installation is available.
437.	Part-2 / Section V(B) / Volume 7 / 2.2.6	The lifting barrier shall work on 110V AC 50Hz single phase supply. The 110V power supply shall be extended from the nearest Signalling Power supply system at the ALH/Station.	In case two level crossings are close to each other and controlled by same ALH, please confirm if the supply can be extended from ALH to one gate and then to other gate i.e extending the supply to both the gates directly from ALH can be avoided.	Provisions of Bid Document are sufficiently clear.
438.	Part 2 / Section V(B) / Volume 7 / 2.2.7	-	Please confirm whether the point machines shall operate in succession or in parallel.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
				Contractor which shall be approved by the Engineer after award of contract.
439.	Part 2 / Section V(B) / Volume 7 /2.2.7	-	Please confirm whether 220mm or 143mm throw point machines to be used.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
440.	Part 2 / Section V(B) / Volume 7 /2.2.7	The number of crank handles shall be minimized by suitable grouping such that the impact on operations is minimal when the key is taken out.	Please confirm whether the crank handle needs to be provided in SM room or separate locations to be provided.	Being a design and build contract General/ Functional/ Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
441.	Part 2 / Section V(B) / Volume 7 /2.3.2	Terminals of Crew Management System shall be provided at Crew Control Lobbies/Crew Booking points.	Please confirm the location of crew control lobbies / crew booking points.	The successful Bidder shall interface with the Engineer after award of contract.
442.	Part 2 / Section V(B) / Volume 7 /2.3.2	It shall be possible to configure Trainer's terminal to work as active Traffic Controller's TMS Terminal in case of any of the Traffic Controller's TMS terminal becomes defective/out of service.	Please confirm the no. of training terminals that needs to be provided.	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
443.	Part 2 / Section V(B) / Volume 7 /3.13.3	The contractor shall provide in the above rooms, suitable ventilation system with redundancy (1+1) to regulate temperature and maintain air circulation within limits.	Please elaborate the ventilation system.	Provisions of Bid Document are sufficiently clear.
444.	Part 2 / Section V(B) / Volume 7 /5.3.2	A separate cable shall be used for operation and detection function of each point/crossover.	We assume that the supply required for points detection can be taken in signalling cable itself used for detection and no separate power cable shall be laid. Please confirm.	Provisions of Bid Document are sufficiently clear and shall prevail.
445.	Part 2 / Section V(B) / Volume 7 /2.2.5	Wherever feasible, the Supervisory system of UP line can be provided on cable for Main system of DN line and Supervisory system of DN line can be provided on cable for Main system of UP line.	This is in contradiction with clause 5.3.2 (7) which says that "Cables for Main and Supervisory Track vacancy detection systems shall be separate". Please confirm if we can combine Supervisory of UP line and Main of DN line and vice-versa.	Provisions of Bid Document are sufficiently clear and shall prevail.
446.	Part 2 / Section V(B) / Volume 7 /5.3.2	The Quad cable laid shall have one quad reserved for Emergency communication.	Our understanding is that we shall be using quad cables for DAC. Please confirm if we need to reserve 1 Quad in every quad cable for emergency communication.	Provisions of Bid Document are sufficiently clear.
447.	Part 2 / Section V(B) / Volume 7 / 5.3.22	Where too many location boxes (say more than 10) are in close proximity between Starter and Home signal, location huts may be provided instead of location boxes.	Please elaborate close proximity in terms of distance and the provision to provide location huts.	Provisions of Bid Document are sufficiently clear.
448.	Part 2 / Section V(A) / Vol 6 / Appendix-15	LIST OF EXECUTED S&T WORKS	We understand that a lot of underground cables are laid in the section. Please confirm that the same are in good condition and can be used as a part of balance works at site.	Please refer to S.No. 60 of Addendum No. 2.
449.	Part 2 / Section	Following materials will be given free of cost	We understand from the tender documents that	Bidders shall verify

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	V(A) / Vol 6 / Appendix-15	to the contractor.	some material will be given to contractor free of cost. Please confirm that this material is in good condition and can be used for the balance works.	themselves. Any assistance required will be provided by CGM/ALD(E). Free issue material shall be dealt as per GCC clause 4.20.
450.	Part 2 / Section V(A) / Vol 6 / Appendix-15	LIST OF EXECUTED S&T WORKS	<p>We understand that a lot of work is executed in the section as per the list provided which is mentioned in Km. We request you to kindly share the following:</p> <ol style="list-style-type: none"> 1. Details of route / stations/ sections at which these works are done. 2. Drawings followed for laying these cables. <p>Signalling gears for which these cables are laid.</p>	The successful Bidder shall interface with the Engineer after award of contract.
451.	Part 2 / Section V(A) / Vol 6 / Appendix-15	LIST OF EXECUTED S&T WORKS	We understand that cables of various sorts are laid in trench stretch of 45Km. Please confirm the type / sorts of cables laid and their lengths (station / section / trench wise).	The successful Bidder shall interface with the Engineer after award of contract.
452.	Part 2 / Section V(A) / Vol 6 / Appendix-15	LIST OF EXECUTED S&T WORKS: Exact quantity has to be assessed by the contractor jointly with the Engineer.	Since the assessment with Engineer is not possible at this stage, we request you to kindly confirm the exact quantities in order to offer you the best quote.	Provisions of Bid Document are sufficiently clear.
453.	Site Visit	-	During site visit, we have found a lot of material lying in warehouses. Please confirm the items and their exact quantities if same can be used for balance works of this tender.	The materials enlisted as free issue materials in the Bid Document in Appendix-15, General Specifications and Part 5, Price Schedule shall only be handed over to the CP-203R contractor after

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
				award of contract. Please refer to S.No. 28 & 68 of Addendum No. 2.
454.	Part 2 / Section V(A) / Vol 6, Page 152 of 154	Status of Auto Location Huts (ALHs) to be constructed by contractor	This list shows the tentative status of ALHs that needs to be constructed by contractor. Please confirm the exact status of these ALHs.	Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).
455.	Part 2 / Section V(A) / Vol 6, Page 153 of 154	Status of Relay Huts (RHs) to be constructed by contractor.	This list shows the tentative status of RHs that needs to be constructed by contractor. Please confirm the exact status of these RHs.	Bidders shall verify themselves. Any assistance required will be provided by CGM/ALD(E).
456.	Part 2 / Section V(A) / Vol 6 / Appendix-15	Following materials will be given free of cost to the contractor.	This list shows MSDAC – Frauscher make (280 No.s DPs) will be given free of cost to contractor. Please confirm if the contractor is now bound to supply MSDAC of the same make (Frauscher) for the entire section or free to procure MSDAC from any vendor.	Please refer to S.No. 28 & 68 of Addendum No. 2
457.	Part 2 / Section V(A) / Vol 6 / Appendix-15	Following materials will be given free of cost to the contractor.	Please confirm about the warranties and insurances (if any) of this material. Our understanding is that the new contractor will not be liable for any issues in their working condition during the warranty period and thereafter.	Provisions of Bid Document are sufficiently clear. Free issue material shall be dealt as per GCC clause 4.20.
458.	Part 2 / Section V(A) / Vol. 1 / 4.1	Structures (The Service Buildings for Signalling and Telecommunication work in the Block Sections).	Please confirm the size of these buildings. Also, we assume that the same building will be used as equipment room to place EI.	Please refer Building Plans appended at Part-4, reference document where indicative layouts of various rooms are specified. Also, please refer to S.No. 58

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
				& 59 of Addendum No. 2.
459.	PART-2/ SECTION-VI/ VOLUME – 8/ 3.1.6	Wherever the equipment being provided under Contract Package CP-104 for EDFC Phase- 1 is being upgraded/augmented/reconfigured, the service life of these upgraded/augmented/reconfigured equipment shall be minimum 15 years from date of commissioning of this upgradation/augmentation/reconfiguration.	We understand that clause related to service life is applicable only for upgraded/augment Hardware part or Software only and not applicable for whole equipment. Please confirm.	Provisions of Bid Document are sufficiently clear.
460.	PART-2/ SECTION-VI/ VOLUME – 8/ 4.6.2	Unless otherwise specified, all indoor Telecommunication Equipment installations shall be designed for operation continuously in environmental temperatures range of -5°C to +55°C.	Typically Telecom servers and PCs are installed in air-conditioned environment and supports temperature range from 0C to +40°C. IT equipment (Servers etc.) operates at +35°C. We kindly request you to modify the temperatures range to 0oC to +40°C for Indoor equipment.	Provisions of Bid Document are sufficiently clear and shall prevail.
461.	PART-2/ SECTION-VI/ VOLUME – 8/ 5.3.3.5	At least 25% of fibres within each cable shall be reserved as spares for future use.	We understand that fibres except the spare portion (i.e. 25%) can be used for intra-Telecom usage. Please confirm.	Provisions of Bid Document are sufficiently clear and shall prevail.
462.	PART-2/ SECTION-VI/ VOLUME – 8/5.3.5.9	Ethernet Connections for each application need to be implemented through Ethernet Virtual Private Line Service.	Please confirm if the same can be done through EVPL/EPL/ELAN.	Provisions of Bid Document are sufficiently clear and shall prevail.
463.	PART-2/ SECTION-VI/ VOLUME – 8/ 5.3.5.6	Flexible Access Multiplexer or Primary Order Multiplexer shall have minimum 50% spares for all types of Channel Circuits (Minimum 1 for all types of Channel Circuits).	Kindly clarify the meaning of 50% spares for all types of channels – whether the contractor is required to provide 50% spare channels between nodes at the backhaul link.	Provisions of Bid Document are sufficiently clear and shall prevail
464.	PART-2/ SECTION-VI/	"the details of the synchronisation network design and a synchronisation plan which	Request you to please provide the indicative network diagram with provision of First network	Being a design and build contract General/ Functional/

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	VOLUME – 8/ 5.5.1.1	describes the fall back arrangement, failure and restore criteria used to determine the switchover of synchronisation sources, the associated timings under each failure and restoration event and the method used in preventing repeated switchovers of	and second Network.	Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
465.	PART-2/ SECTION-VI/ VOLUME – 8/ 5.3.5.9	Ethernet Connections for each application need to be implemented through Ethernet Virtual Private Line Service.	Please confirm if the same can be done through EVPL/EPL/ELAN.	Provisions of Bid Document are sufficiently clear and shall prevail.
466.	PART-2/ SECTION-VI/ VOLUME – 8/ 5.5.3.3(1)	Flexible Access Multiplex Equipment shall conform to ITU-T Rec. G.703, G.704, G.706, G.707, G.708, G.709, G.711, G.732 and G.823.	Kindly note that ITU-T G.707, ITU-T G.708 and ITU-T G.709 are applicable to SDH equipment. Hence, they may please be removed as requirement from Flexible Access Multiplex Equipment.	Only applicable standards shall be used for Flexible Access multiplexer while designing the Telecom System.
467.	PART-2/ SECTION-VI/ VOLUME – 8/ 5.5.3.3(7)	Flexible access multiplexer equipment shall be provided with 1+1 protection for all channel levels (VF, Data, etc.) with automatic switch over in case of fault.	Kindly confirm that “1+1 protection for all channel level (VF, Data, etc.) with Automatic Switchover” corresponds to SNCP equivalent functionality at the E1 backhaul link; as ITU-T Rec G.704 defines ‘channel’ as ‘64kbps time slot of E1’.	Provisions of Bid Document are sufficiently clear and shall prevail.
468.	PART-2/ SECTION-VI/ VOLUME – 8/ 6.5.3.1	Layer-3 Switches of WAN shall have 20 Nos. 10/100/1000 Base-T Auto Sensing Ports with RJ 45 Connectors, 4 Nos. 100/1000 Base-X ports for SFP complying with IEEE 802.3, IEEE 803.3u and 802.3ab standard, and 4 No’s of 10G BaseX ports supporting Half Duplex, Full duplex and Auto-Negotiation on each port to optimize bandwidth.	We understand that the clause refers to: 10Base-T with standard IEEE 802.3, 1000Base-T with standard IEEE 802.3ab, and 100Base-T with standard IEEE 803.3u. In that case, IEEE 803.3u should be replaced with IEEE 802.3u. Please confirm	Only applicable standards shall be used while designing the Telecom System.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
469.	PART-2/ SECTION-VI/ VOLUME – 8/ 6.1.8	At Junction Stations & Crossing Stations, Wi-Fi Facility, compliant with IEEE 802.11g Standards shall be provided for WAN Connectivity to users (which also include drivers of passing trains) via Wireless Enabled Devices and Equipment. A minimum of 10 simultaneous users may use the Wi-Fi Connectivity at Stations. This Wi-Fi Facility shall as a minimum cover Station Buildings and EDFC Tracks up to 500 meters in both directions	1. Kindly provide the inputs whether you need Licensed band and Unlicensed band for wi-fi. 2. Kindly provide the central point on which coverage of 500 meters is required. 3. Please provide the total distance for wi-fi coverage on platform, and both sides of platform also.	1. Unlicensed band shall be used for Wi-Fi facility. 2. From centre of station building. 3. Provisions of Bidding Document are sufficiently clear.
470.	PART-2/ SECTION-VI/ VOLUME – 8/ 6.5.3.1	Layer-2 Switches of WAN shall have 24 Nos. 10/100 Base-T Auto Sensing Ports with RJ 45 Connectors, complying with IEEE 802.3, IEEE 803.3u and 802.3ab standard, supporting half duplex, full duplex and Auto-Negotiation on each port to optimize bandwidth.	We understand that the clause refers to: 10Base-T with standard IEEE 802.3, 1000Base-T with standard IEEE 802.3ab, and 100Base-T with standard IEEE 803.3u. In that case, IEEE 803.3u should be replaced with IEEE 802.3u. Please confirm	Only applicable standards shall be used while designing the Telecom System.
471.	PART-2/ SECTION-VI/ VOLUME – 8/ 6.5.2.12	All equipment of Data Networking System shall work from 180 to 270 V 50 \pm 3% Hz AC single phase supply from UPS.	No COTS Data Network System equipment works on 180 to 270 V 50 \pm 3% Hz AC. Kindly reconsider the clause.	Provisions of Bid Document shall prevail.
472.	PART-2/ SECTION-VI/ VOLUME – 8/ 7.3.7.6	Indian Railway Telephone Network shall be integrated with Direct Line Communication System, so that one touch dialling can be done from Direct Line Console to important Operation Locations of Indian Railway as decided by the Engineer.	Telephone System of CP-305 is required to be integrated with CP-104, CP-203, CP-105 and CP-304. Also, CP-104 is being integrated with IR. It is suggested that all calls to IR may be carried over the IR Telecom network once handed over to IR on that interface. Please confirm the same.	Provisions of Bid Document are sufficiently clear and shall prevail.
473.	PART-2/ SECTION-VI/	Emergency Communication System	Our Understanding is that Emergency communication socket shall be installed at every	Provisions of Bid Document are sufficiently clear and shall

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	VOLUME – 8/ 7.3.12		1 Km in entire section. Please confirm	prevail.
474.	PART-2/ SECTION-VI/ VOLUME – 8/ 7.3.7.7	Public Switch Telephone Network (PSTN) Lines shall also be integrated with Direct Line Communication System, so that one touch dialling can be done from Direct Line Console to Electric Power Companies, Emergency Services etc. as decided by the Engineer.	Our understanding is Employer will provide the PSTN connectivity at Station MDF, Contractor will integrate with PBX system.	Provisions of Bid Document are sufficiently clear and shall prevail. PSTN connectivity will be provided at MDF of OCC by DFCCIL.
475.	PART-2/ SECTION-VI/ VOLUME – 8/ 7.3.7.8(4)	It shall be possible from Direct Line Telephone to make normal and emergency direct line calls to the designated controllers in OCC. Different audio and visual indications shall be provided for incoming direct line calls on the Direct Line Consoles or Direct Line Telephone for normal and emergency calls.	Our understanding is, different audio and visual indications are not applicable for gate phone, since analog phone is required and working shall as per gate working rule approved by IR.	Provisions of Bid Document is sufficiently clear and shall prevail.
476.	PART-2/ SECTION-VI/ VOLUME – 8/ 7.3.8.1	Administrative Telephone Network and DLT Network provided under this Contract shall be integrated with Administrative Telephone Network and DLT Network respectively provided under Contract Package CP-104 to meet the requirement of this Particular Specification.	Please note that Integration and interoperability depends on both sides supporting the feature in a standard manner, wherein the standard shall ideally be an International standard such as ITU, Indian Standard or an establish industry standard. Therefore, please confirm that the integration responsibility and feature transparency requirement shall be a joint responsibility.	Provisions of Bid Document is sufficiently clear and shall prevail.
477.	PART-2/ SECTION-VI/ VOLUME – 4/ 7.3.8.5	Direct Line Telephone Network shall be integrated with DTL Network provided under CP- 104, CP-105, CP-203 and CP-304.	DTL Network shall be replace with DLT Network	Clause is wrongly mentioned. Query is not clear.
478.	PART-2/ SECTION-VI/	If integration is done by upgrading PBX, Telephony Servers, Telephone NMS and	We understand that liability during Defect Notification period shall be limited to upgraded	Provisions of Bid Document is sufficiently clear and shall

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	VOLUME – 8 / 7.3.8.9	associated equipments provided at OCC under Contract Package CP-104: (1) Spare PRI available at PBX provided under CP-104 shall not be utilized for meeting the requirements under this Contract. (2) The Contractor shall be responsible and liable for upgraded PBX, Telephony Server, Media Gateway, Telephone NMS and other associated equipment during Defect Notification Period and during Service Life.	part only and not for the complete equipment. Please confirm.	prevail.
479.	PART-2/ SECTION-VI/ VOLUME – 8/ 7.3.8.7	7.3.8.7 If integration is done by providing new PBX, Telephony Server, Media Gateway and associated equipment at OCC: (1) PBX provided under this Contract shall be integrated with PBX provided under Contract Package CP-104, through minimum 4 PRI for Administrative Telephone Network and 4 PRI for DLT Network. PBX provided under Contract Package CP-104 shall be suitably upgraded for this integration.	Our understating is that the DTL Network shall be Integrate with DLT Network of CP-104. Please confirm	Query is not clear.
480.	PART-2/ SECTION-VI/ VOLUME – 8/ 7.5.4.1	The VRS shall provide recording of stipulated voice conversations over Telephone System and Mobile Train Radio Communication System. It shall be a digital system providing sufficient capacity for recording up to 4 weeks before being overwritten. The VRS shall comply with the requirements as given below.	We understand VRS system shall be common for GSM-R and Telephone system both. Please confirm	Provisions of Bid Document are sufficiently clear.
481.	PART-2/ SECTION-VI/ VOLUME – 8/ 8.5.2.1 .	The use of radio frequency (RF) spectrum in India is regulated by the Wireless Planning and Co-ordination (WPC) Wing of the Ministry of Communications, Government of India.	We understand Contractor shall provide necessary only documentary support for obtaining authorization from WPC.	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		MTRC System shall operate within the frequency band of 952.8-954.4/907.8-909.4 MHz. The Employer has been authorised the use of eight frequency pairs in band 952.8-954.4/907.8-909.4 MHz for MTRC System. However, based upon frequency plan separate clearance for the use of specific frequencies shall be obtained from WPC by the Employer. The Contractor shall provide necessary documentary support for this purpose. The Contractor, if so required by the WPC, shall incorporate specific changes in the frequency plan, after mutual discussions.		
482.	PART-2/ SECTION-VI/ VOLUME – 8/ 8.4.6.3	BSS being provided under this Contract shall be inter operable with Network Sub System (NSS) being provided for WDFC under Contract Package STP-5 and should be supported with conclusive IOT documentation.	Please provide the Network Sub System (NSS) details of WDFC for interoperability with proposed Network.	Successful Bidder shall interface with the Engineer and WDFC.
483.	PART-2/ SECTION-VI/ VOLUME – 8/ 8.5.9.3	The towers shall be self-supporting steel structure. The maximum height of the tower shall normally not exceed 40 metre. However in exceptional circumstances, higher height may be permitted by the Engineer.	We understand Employer shall provide the clearance certificate for Tower height from the SCAFA or other related authorities.	Provisions of Bid Document are sufficiently clear and shall prevail. The detailed design including submission of application for clearance with WPC, SCAFA, Civil Aviation authorities and other local authorities is in the scope of Contractor.
484.	PART-2/ SECTION-VI/	This Synchronized Time Information shall be used to synchronize slave clocks which shall	Kindly clarify the location of offices since there is no mention of “Offices” in Clock Schedule	Provisions of Bid Document are sufficiently clear and shall

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	VOLUME – 8/ 9.1.2	be located at Stations, Depots & Offices in EDFC Phase-2.	mentioned in PS Clause 9.3.5.	prevail.
485.	PART-2/ SECTION-VI/ VOLUME – 8/ 9.5.3.9	The Master Clock System shall be capable to work with 230 Volts +/- 10% AC 50 Hz Power Supply. The power supply shall have backup from UPS.	The Master Clock Unit and Sub-Master Clock Units will be deployed in the TERs and stable battery backed up -48V DC supply is present at TER. Therefore, DC may be permitted as a source for Master Clock System. Similarly, the Clocks may be powered by POE. Kindly request you amend the clauses accordingly.	Provisions of Bid Document are sufficiently clear and shall prevail.
486.	PART-2/ SECTION-VI/ VOLUME – 8/ 9.5.3.9	48 V DC Battery Backup System under Chapter-11 shall be used as a Power Source for these 25 Watt VHF sets.	AS per RDSO standard, it requires the VHF system to be powered from AC power. We understand that the same shall prevail in this case. Kindly confirm.	Provisions of Bid Document are sufficiently clear and shall prevail.
487.	PART-2/ SECTION-VI/ VOLUME – 8/ 10.1.1.3	25 Watt VHF Transceivers shall be installed in Station Control Room and any other specified place as decided by the Engineer. Omni-Directional Antenna for 25 Watt VHF Transceivers shall be mounted on a suitable Pole/Mast at a height of 15 meters from the ground level. Omni-Directional Antenna and Pole/Mast shall be supplied by the Contractor.	Kindly provide the location of installation of tower.	Provisions of Bid Document are sufficiently clear and shall prevail.
488.	PART-2/ SECTION-VI/ VOLUME – 8/ 12.6.1	Cab Radio to be installed in rolling stocks shall be identified by Engineer and informed to Contractor during Design Stage.	Our Understanding is the installation and interfacing of Cab radio in rolling stock shall be covered in scope of rolling stock contractor. Please confirm	Provisions of Bid Document are sufficiently clear and shall prevail. Please refer Clause 12.6.6, Vol. 8, Part-2, PS Telecommunication Works.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
489.	Part 2, Section VI, Volume 8		Any towers erected in CP-203 package?	Tower not yet erected.
490.	Part 2, Section VI, Volume 8		Any Telecom equipment is delivered or not for CP-203. If yes, please provide the make, model and supplied quantity.	The materials enlisted as free issue materials in the Bid Document in Appendix-15, General Specifications and Part 5, Price Schedule shall only be handed over to the CP-203R contractor after award of contract.
491.	Part 2, Section VI, Volume 8, Clause 8.5.1.1 (1)		<p>Clause:-However in sections, where track alignment of EDFC Phase-2 is taking a detour and cannot be served by Base Transceivers Stations (BTSS) of Indian Railway, new Base Transceivers Stations (BTSS) of DFCCIL shall be provided by the Contractor for adequate RF coverage. These BTSS shall be controlled by BSC at OCC. This Base Station Sub-system (BSS) can be provided either by upgrading and using Base Station Controller (BSC) being provided under Contract Package CP-104 at OCC to meet the requirements of EDFC Phase-2 or by providing a new Base Station Controller (BSC) at OCC. This new BSC should be upgradable to meet the requirement of contract packages CP-104, CP-105.</p> <p>Please specify the make and models of telecom</p>	Successful Bidder shall have to interface with Engineer and Contractors of adjacent sections.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			equipment for the package CP-104 and CP-105 to which bidder needs to be interoperable.	
492.	Part 2, Section VI, Volume 8, Clause 1.3		<p>Clause:-However, detours have been planned at eight locations. This section has 6 Junction Stations and 6 Crossing Stations. These Junction Stations are connected with the stations of IR for entry/exit of the trains to IR from DFC through Single Line Electrified Sections covering route length of approximately 29.15 route km.</p> <p>Please provide the details of detours mentioning the distances from existing IR lines. The length of link lines between existing IR station and planned DFCC stations.</p>	<p>Provisions of Bid Document are sufficiently clear.</p> <p>Please also refer to S.No. 20, 21 & 22 of Addendum No. 2</p>
493.	Part 2, Section VI, Volume 8,		<p>Has land acquisition for the detour portion already been done? (planning purpose only)</p>	<p>Please refer to Clause 2.1 (Right to access, Page 612 of 638).</p> <p>Please also refer to S.No. 65 of Addendum No.2.</p>
494.	Part 2, Section VI, Volume 8, Clause 8.3.11.4		<p>Clause:- The proposed numbering plan shall address issues pertaining to interoperability requirements of Cab Radio and other Mobile Equipment between DFCCIL and Indian Railways.</p> <p>Any functionality/ services of IR currently used by DFCCIL? If yes, please mention.</p>	Successful Bidder shall interface with the Engineer.
495.	Part 2, Section		Provision of Voice Recording of conversation	Provisions of bid document are

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	VI, Volume 8, Clause 10.1.1.4		<p>taking place on 25 Watt VHF Transceivers shall be provided through Voice Recording Equipment. This recording shall be Date and Time Stamped along with Stamping of Station Identity and VHF Channel Identity. Storage of Voice Communication shall follow FIFO (First-In-First-Out) methodology.</p> <p>Can the Voice Recording meant for VHF and MTRC be same? Is there any specific requirement?</p> <p>As per our understanding there should be one centralised VRS at OCC to record all calls. Please confirm.</p>	sufficiently clear and shall prevail.
496.	Part 2, Section VI, Volume 8, Clause 7.3.12.4		<p>Contractor shall upgrade/augment Emergency Control Communication provided under Contract Package CP-104, if required</p> <p>Please share the details of emergency control communication provided under contract package CP-104.</p>	As per Clause 7 of Part-2, Section V(A), General Specifications (Appendices), the CP-203R Contractor will be required to interface with CP-104 Contractor.
497.	Part 2, Section VI, Volume 8, Clause 8.3.10.3		<p>The Radio Dispatcher System being provided of OCC under Contract Package CP-104 shall be upgraded to meet the requirement under Clause 8.3.10.1 & 8.3.10.2 of this Particular Specification or provide a new Radio Dispatcher System at OCC to meets the requirements of EDFC Phase-2.</p> <p>Please share the make and model of the Radio Dispatcher system and the client terminal provided under contract package CP-104.</p>	As per Clause 7 of Part-2, Section V(A), General Specifications (Appendices), the CP-203R Contractor will be required to interface with CP-104 Contractor.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
498.	Part 2, Section VI, Volume 8 , Clause 8.4.6.3		<p>BSS being provided under this Contract shall be inter operable with Network Sub System (NSS) being provided for WDFC under Contract Package STP-5 and should be supported with conclusive IOT documentation.</p> <p>Please share the make and model of NSS being implemented under contract package STP-5.</p>	The successful Bidder shall interface with the Engineer and WDFC after award of contract.
499.	General		Is there any option that bid document form purchased in the name of one of the intended JV Partners can be used for submitting bid for the JV?	Please refer ITB 4.1(b)(iv) at Page 12 of 638.
500.	Part I Section III, Pg No. 43/93, Clause No. 2.2.1		Contractual payment received by the bidder in the last 3 financial year is stipulated as Rs 782 Crore. Please clarify that this is a summation of all payments received against various contracts done by the bidder (Its JV Partners) or are there any specific type of works to be reckoned?	Provisions of Bid Document are sufficiently clear.
501.	Part II Section V(a), Vol. 1, Pg No. 13/154, Clause No. 2.1.6		Is there any Signalling and Telecom work required to be done in the maintenance depots in the scope of the bid under reference?	Provisions of Bid Document are sufficiently clear.
502.	Part II Section V(a), Vol. 1, Pg No. 17/154, Clause No. 4.2(4)		<p>Handing over of available equipment like S&T Cables, Digital Axle Counter, Video Wall etc.</p> <p>It is expected that material is in good condition and shall be jointly tested before handing over. Please clarify:-</p> <p>(a). Is it mandatory to follow RDSO</p>	<p>Provisions of Bid Document are sufficiently clear.</p> <p>For free issue material please refer sub-clause 4.20 of General Conditions of Contract</p> <p>Please also refer to S.No. 28,</p>

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			Specification, if yes for what all material? (b) Is there any specific requirement of pre-dispatch inspection by RDSO?	60 & 68 of Addendum No. 2
503.	Part I Section III, Pg No. 50/93, Clause No. 4(ii)		<u>Train Management System:</u> Specialized sub-contractor is permitted. It is assumed that in case this option is exercised (for sub-contractor), details of sub-contractor selected can be submitted after issue of LOA by successful bidder. Please clarify.	Provisions of Bid Document shall prevail. The credentials of specialised sub-contractor are to be submitted in technical bid for evaluation.
504.	Part I Section III, Pg No. 50/93, Clause No. 4(ii)		<u>Design Experience:</u> Specialized Sub-Contractor is permitted. It is assumed that in case this option is exercised (for sub-contractor), details of sub-contractor selected can be submitted after issue of LOA by successful bidder. Further is there any option with contractor to change the subcontractor during execution of work? Please clarify.	Provisions of Bid Document shall prevail. The credentials of specialised sub-contractor are to be submitted in technical bid for evaluation.
505.	General		<u>Design & Drawing:</u> - Will any set of approved drawing like SIP be handed over and will have to be complied by bidder? Please elaborate.	Provisions of Bid Document are sufficiently clear.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
506.	Part II, Section V(B), Vol. 7, Pg No. 5/178, Clause No. 1.3.4		<p><u>Automatic Signalling in block Sections</u></p> <p>Whether track detection only by Digital Axle Counter or any option in choosing different equipment/ methodology?</p>	Provisions of Bid Document are sufficiently clear.
507.	Part II, Section V(B), Vol. 7, Pg No. 5/178, Clause No. 1.3.4		<p>Automatic Signalling</p> <p>There are two different designs, Mini EI or Relays based.</p> <p>Whether Signal Interlocking for Automatic Signalling is to be done by Electronic Interlocking or there is an option to the bidder to adopt conventional / relay based? Please clarify.</p>	Provisions of Bid Document are sufficiently clear.
508.	Part II, Section V(A), Vol. 6, Pg No. 152/154, Appendix 15		<p>Auto Location Hut</p> <p>Whether location of ALH (Auto Location Hut) for Automatic Signalling is already decided (as many ALH Constructed / in different stage) or there is a full flexibility to bidder in number & location of Auto huts, based on design adopted.</p>	<p>Being a design and build contract the detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.</p> <p>Provisions of Bid Document are sufficiently clear.</p> <p>For works already executed please refer to S.No. 60 of Addendum No. 2.</p>

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
509.	CI 45/ Sec.1/Pt I Pg No. 32/93		<p>Joint Venture, Consortium or Association. It is requested that JV and/or Consortium should be considered having same meaning and may therefore be interchangeable throughout the document.</p> <p>Since it is very difficult and unmanageable for a PSU to form a JV as a separate entity, It is requested not to make it mandatory to form 'a new Entity of JV' under companies act. Only registration of Consortium agreement should suffice and legally binding on JV partners, as also understood to have been adopted in other DFCIL projects.</p> <p>It is understood that the qualification of main contractor and subcontractors combined together should meet the given Technical qualifying criteria stipulated. Please confirm.</p>	<p>Please refer to S.No. 1 & 3 of Addendum No. 2.</p> <p>Provisions of Bid Document are sufficiently clear.</p>
510.	CI 16 and 35 (a)Sec1 /Pt I Page No,21/93. 29/93		<p>Choosing Subcontractors</p> <p>Declaring suitable subcontractors in advance should not mandatorily be insisted upon. Successful tenderer should be given liberty to sublet work or any part of it to suitable subcontractors as the work progresses. A declaration from the bidder to appoint suitable sub- contractor with the approval of the Employer be given. The qualification criteria of a</p>	<p>Provisions of Bid Document shall prevail.</p>

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			subcontractor be specified to meet the requirements for choosing later on by the main contractor.	
511.	BDS/ 2.2.1 Financial Eligibility Criteria 44/93		<p>The contractual payments received by the bidder / JV firm or the arithmetic sum of contractual payments received by all the members of the JV firm in the previous three financial year and the current financial year up to the date of invitation of bid shall be at least INR 782 Crores (Rupees Seven Hundred Eighty Two Crores).</p> <p>The contractual payments received may be replaced with turnover, as it sometimes poses ambiguity in arriving at figures of contractual payments received and may sometimes mislead.</p>	Provisions of Bid Document shall prevail.
512.	Sec 3 /Pt 1 43/93		<p>Design Experience</p> <p>Design of Signalling System for Stations and Automatic Signalling in Block Sections with Electronic Interlocking, Track vacancy Detection, Signals and Point Machines be deleted, as it is Part of Signalling System to be provided by OEM/ Signaling Integrator.</p>	Provisions of Bid Document shall prevail.
513.	Pt II sec V (A) 153/154		<p>Relay HUTS to be provided in in Deen Dayal Upadhyay yard</p> <p>The number of Relay HUTS to be provided in in Deen Dayal Upadhyay yard is not clearly specified .This is subjective and have cost</p>	Please refer to Clause 1.2.1 of PS Building & Structure Works (Page 575 of 638).

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			implication /Ambiguity if not specified in numbers at present.	
514.	<p>Part 2, Section V(A), Vol 6, General specifications (Appendices)</p> <p>146/154</p> <p>APPENDIX - 15</p>		<p>Details of works already executed</p> <p>Some of signalling cables and OFC have already been laid and supplied. Also MSDAC, VDU etc are supplied. These cables/Equipment might have been stolen or damaged. Therefore, taking the quantities as laid/Supplied , on as is <i>where is</i> basis should be verified for its quality and quantity jointly by the employer and contractor before handing it over to the new contractor.</p> <p>The extra quantity due to theft or having already damaged should be compensated by the employer.</p>	<p>The Bidders shall verify themselves.</p> <p>Any assistance required will be provided by CGM/ALD(E).</p> <p>For compensation regarding executed works please refer to S.No. 60 of Addendum No. 2</p>
515.	General		<p>Variation Order</p> <p>During the course of execution of a project , such type of eventualities as require variation do occur such as scope addition /Deletion/ Modification which are beyond the control of the contractor and therefore it be compensated for time and cost.</p>	Provisions of Bid Document shall prevail.
516.	General		Provision of existing commercial power supply AT supply & obtaining new connections at all Stations & LC gate for Signalling equipment & related utilities only.	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			It is suggested that the extension of Electrical supply up to SER/Relay Hut/Auto Hut may be deleted from the scope of S&T contractor. It should be provided by Electrical /OHE contractor or Employer.	
517.	2.1.3/ Part 2, Section V(A), Vol. 1 General Specifications 15/154		<p>L C Gates</p> <p>15 LC out of 75 Nos are considered to be interlocked at present and this same may vary . It is requested that number of LC gates be frozen before bidding to avoid ambiguity.</p>	Provisions of Bid Document shall prevail.
518.		<p>As per clause 2.3 (Experience), The bidder/JV Firm or any member of the JV Firm must have substantially completed in the last Ten previous financial year and the current financial year upto the date of invitation of Bid at least one single work for a minimum value of INR 183 Cr. (One Hundred Eighty Three Crore) and involving all components mentioned below:-</p> <p>a) Signalling works on Railway/Metro Rail/ Suburban Rail transit system.</p> <p>b) Telecommunication work on Railway/Metro Rail/ Suburban Rail Transit system.</p> <p>c) Civil/Building/Structure works.</p> <p>Or</p>	<p>Again this being a high value tender, very few bidders would be able to meet the criteria of one single contract of INR 183 Cr. having all three components i.e. Signalling, Telecom & Civil [Clause 2.3.1(a) (i) Specific Experience]. Therefore, it is requested that instead of <i>single contract of INR 183 Cr. of Signalling works</i>, it should be changed to <i>one single contract of INR 183 Cr. of Signalling/Telecom & Civil works along with EI OEM as consortium partner or specialized sub-contractor.</i></p>	Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		<p>The bidder/JV firm on any member of the JV firm must have substantially completed following works in the last Ten previous financial year and the current financial year up to the date of invitation of bid:-</p> <p>a) At least one contract having value of at least INR 146 Cr. (One Hundred Forty Six Crore) of Signalling works on Railway/Metro Rail/Suburban Rail transit systems.</p> <p>And</p> <p>b) At least one contract having value of at least INR 32 Cr. (Thirty Two Crore) of Telecommunication works on Railway/Metro Rail/Suburban Rail transit systems.</p> <p>And</p> <p>c) At least one contract having value of at least INR 5 Cr. (Five Crore) of Civil/Building/Structure works.</p> <p>And</p> <p>d) Aggregate value as a resultant of above (a), (b) and (c) must be at least INR 183</p>		

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
		Core.		
519.		Clause 2.3.1(a) (ii) Specific Experience	<p>Similarly, requirement of one single contract of INR 146 Cr. of signalling works ([Clause 2.3.1(a) (ii) Specific Experience] would restrict the competition. Therefore, it is requested that instated of <i>one single contract of INR 146 Cr. of Signalling works</i>, it should be changed to <i>one single contract of INR 146 Cr. of Signalling/telecom along with EI OEM as consortium partner or specialized sub-contractor.</i></p> <p>It is therefore requested that changes proposed above may be considered favourably and modified in the ensuing corrigendum.</p>	Provisions of Bid Document shall prevail.
520.	Volume-7 Particular Specification 2.2.5.2.j.iv page 19 of 178	One spare set of card(s) fully programmed with site specific application /configuration data shall be provided at each site. This shall be over and above the contract spares provide under Para 8.2.7.	Can we consider One spare of CPU cards per site even if multiple Evaluators required at site? We will be considering programme plugs with site specific application /configuration data for each evaluator as spare. Please clarify whether our understanding is correct.	Provisions of bid document are sufficiently clear.
521.	Volume-7 Particular Specification 2.2.5.2.K.i at page 19 of 178	The transmission between Central Evaluator and Field Unit of UP and DN systems shall be in separate cables, preferably of different kinds say OFC and quad.	Can we use two separate quad cables for transmission between Central Evaluator and Field units of UP and DN system?	Provisions of bid document shall prevail.
522.	Volume-7	The transmission between Central Evaluator	Can we use two separate quad cables for	Provisions of bid document

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Particular Specification 2.2.5.2. K.ii at page 19 of 178	and Field units of Main and Supervisory systems shall be in separate cables, preferably of different kinds, say OFC and quad.	transmission between Central Evaluator and Field units system of Main Supervisory systems?	shall prevail.
523.	Volume-7 Particular Specification 5.2.4.2 at page 88 of 178	The Equipment Cabinets/Enclosures shall have sufficient EMI/EMC shielding as required by signalling equipment inside to remain EMI/EMC complaint. The cabinets/Enclosures housing processor based signalling equipment shall be EMI compliant as per IEC 61587-3.	Is this clause mentioning the compliance of EMI/EMC of outer glass door cabinet where the evaluator subrack to be inserted or EMI/EMC compliance of evaluator subrack only including daughter cards?	Provisions of Bid Document are sufficiently clear.
524.	Volume-7 Particular Specification Annexure-II of appendix 6 at page 177 of 178	Typical Earthing Bonding and surge protection arrangement	Please confirm whether OEM of MSDAC can implement Earthing and surge protection arrangement based on their system architecture and best practice followed by them for safety of system.	The Annexure-I & II of Appendix-6 given in the Bid Document are indicative. Being a design and build contract General/Functional/Performance requirement have been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.
525.	General Specification_Volume_6-Appendix-15SI. No.8 at page 146 of 154	280 DP's of MSDAC Equipment (Frauscher make)	Please confirm whether during inspection – design-installation-commissioning (PAT, SAT & ITC), Training phase and even in DNP (Defect Notification Period) of these 280 DP's of Frauscher make, DFCCIL will guarantee the full support & knowledge sharing by the OEM i.e. Frauscher to the successful bidder. Also please	Please refer to S.No. 28 & 68 Addendum No. 2.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			provide the details of already installed Frauscher make MSDAC equipment (if any) along with the approved interface drawing so that we can estimate the requirement of remaining work.	
526.			<p>TMS requirement :</p> <p>Para 2.3.1 (b) of Evaluation and Qualification Criteria (EVC) specifies a mandatory requirement of substantially completed at least one work of INR 9 Cr involving TMS. CTC either as JV member or as a specialized subcontractor.</p> <p>This condition is highly restrictive as hardly any TMS works have been in India. In overall tender context also TMS is hardly 7-8% of total work. The basis of value of 9 Cr is also not understood.</p> <p>It is therefore suggested that requirement in para 2.3.1 (b) can be deleted from EVC in order to have wider availability of sources or it may be replaced with following requirement.</p> <p>The companies which have done either of the following work will be considered eligible as JV partner/ Specialist subcontractor.</p> <p>Train Management System</p> <p>OR</p> <p>Software developer with real time online display systems in Railways</p>	Request not accepted. Provisions of Bid Document shall prevail.
527.			Eligibility of JV member for signalling work:	Request not accepted. Provisions of Bid Document

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			<p>Para 2.3.1 (c) (a) specifies that JV member should have completed substantially completed at least one single contract having value of at least INR 42 Cr of signaling work on Railways/Metro/ Suburban Rail Transit systems.</p> <p>The above condition looks restrictive as very few are invited in IR with such values and hence can limit selection of firms eligible as JV partner.</p> <p>It is requested that this condition may be relaxed to include RDSO approved OEMs of EI also as eligible JV members without any imposition of minimum contract value.</p>	shall prevail.
528.			<p>We have the required credentials and also meet all the technical eligibility conditions laid out in the subject IFB for participating in the tender. We are very much interested to participate in the subject work and are confident of successfully completing the same. However, we would like to raise our concern about one particular aspect of the eligibility conditions. This work majorly consists of Electronic Interlocking system but does not contain any condition that requires the pre-tender involvement of the OEM of Electronic Interlocking. With respect to this issue, we request your good-self to make necessary amendment to the tender so that the bidders have to have a pre-bid alliance (for eg. MOU) with the OEM of Electronic Interlocking for the</p>	Request not accepted. Provisions of Bid Document shall prevail.

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
			Design, supply, installation and commissioning of the systems. By this, the bidders shall be able to take necessary quotes and commitment from the OEMs prior to the submission of bids and it shall considerably reduce the efforts of the successful bidder post-awarding of work for the procurement and execution of Electronic Interlocking.	
529.			We take this opportunity to bring to your kind attention about one more issue about the requirement of the bidder to have experience in the execution of "Train Management System" (Clause 2.3.1(b)). This condition is limiting our scope of getting associated with one/few firms only. Therefore, we request your good-self to consider removing this condition for the eligibility.	Request not accepted. Provisions of Bid Document shall prevail.
530.			In case of variations in actual completed works executed by the past contractor as shown in the Bid document, what will be the process /formula for their payment.	Please refer to S.No. 60 of Addendum No.2.
531.			Who will be responsible for delay in execution of work due to hindrance if any caused by legal procedure pending in court against dues claimed by past sub contracts. Similarly due to illegal hindrances caused by local people as well past sub contractor.	At this stage, no such hindrances are anticipated. The legal implication, if any, arising out of termination of CP 203 contract shall be between DFCCIL and CP-203 Contractor. All other law & order situations at site shall be

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
				dealt in accordance with contract provisions.
532.			We draw your attention to clause no. 2.3.1 b, which requires that the bidder should have substantially completed atleast one contact of minimum Rs.9.0 Crores (Rupees Nine Crores) involving "Train Management System" or "Centralized Train Control System". As per our knowledge and information, these systems have not been deployed in Indian Railways on a large scale. Hence, the available scope for the bidder to identify suitable partner who have done this work earlier will be very limited. In view of this, we request you to amend the tender removing this eligibility condition.	Request not accepted. Provisions of Bid Document shall prevail.
533.			We also draw your attention to para 2.3.1 (c) which stipulates signalling partner should have competed at least one work of 42 Cr. Electronic Interlocking is a key component in this work hence association of OEM of EI is necessary from the bid stage itself. We therefore request you to delete this condition as this does not ensure that JV partner qualifying under this clause has requisite experience. It will be more useful if RSDO approved EI OEM is made eligible and necessary requirement at time of bid submission as JV partner. This will facilitate better cost control and smooth execution.	Request not accepted. Provisions of Bid Document shall prevail. Please refer to S.No. 13 of Amendment No.1.
534.	1.0 INTRODUCTION Section V(A).	The work under the scope of this bid consists of Balance works of design, supply, construction, installation, of Signaling &	Will telecom designs which are already approved by PMC-2 be valid for this tender and can successful bidder use those designs and	Being a design and build contract General/ Functional/ Performance requirement have

SN	Reference to Bid Document	Brief Description of Clause	Query	Reply
	Employer's Requirement: General Specifications Volume 2 – General Page No.115 of 638	Telecommunication and associated works including testing and commissioning for double track electrified railway line on design build lump sum basis from Deen Dayal Upadhyay–New Bhaupur Section of Eastern Dedicated Freight Corridor. The Employer requires that these works are designed and constructed to the highest standard using proven upto date good practices.	continue design activities from the last approved stage.	been specified in the Bid Document. The detailed design is in the scope of Contractor which shall be approved by the Engineer after award of contract.