

Contract NE-02: Design, Detail Engineering, Supply, Installation, Testing and Commissioning, 132 kV receiving cum 25 kV AC Traction cum 33 kV Auxiliary Main Sub Stations and EHV cabling for Noida-Greater Noida Corridors of Delhi Mass Rapid Transport System Project Phase-3

NE-02 PRE BID CLARIFICATIONS AND REPLY TO QUERIES
Attached with Addendum No.-03

SI No	Volume, Section	Clause, No.	Page	As per Tender	Query/Clarification	DMRC's Reply/Clarification
1	Vol 1	clause 1.1.4.2 A		Financial data for latest last five audited financial years has to be submitted by the tenderer in APPENDIX 13 OF FOT along with audited balance sheets. The financial data in the prescribed format shall be certified by Chartered Accountant with his stamp and signature.	We understand it is a minimum requirement that the participating company should be in operation and should have audited balance sheet for atleast five years.	Tender Condition are self explanatory. No Change in Tender Condition.

			<p>In case audited balance sheet of the last financial year is not made available by the bidder, he has to submit an affidavit certifying that 'the balance sheet has actually not been audited so far'. In such a case the financial data of previous '4' audited financial years will be taken into consideration for evaluation.</p>	<p>A newly formed company that does not have balance sheet for last five Financial years shall be considered as non-responsive.</p>	
			<p>If audited balance sheet of any other year than the last year is not submitted, the tender will be considered as non-responsive.</p>	<p>Please confirm</p>	
2	Vol-1	1.1.4.2	<p>The exchange rate of foreign currency shall be applicable 28 days before the submission date of tender.</p>	<p>We are considering the exchange rates for 09.06.2015 (28 days before bid submission).</p> <p>Please confirm that in case bid submission date is extended, we need not to revise the exchange rate since CA certification of financial data is a time consuming process, specially for foreign partners.</p>	<p>No Change in Tender Conditions</p>

3	Vol-1	1.1.9	<p>Tender submissions will be made online after uploading the mandatory scanned documents towards cost of tender documents such as Demand Draft or Pay Order or Banker's Cheque from a Scheduled commercial bank based in India and towards Tender Security such as Bank Guarantee or Demand Draft or Pay Order or Banker's Cheque from a Scheduled commercial bank based in India and other documents as stated in the tender document.</p>	<p>Please confirm that no other document except "RFP document cost" and "Bid Security" has to be submitted in physical form.</p>	<p>The Tender Document is to be submitted online except cost of tender document and tender security to be submitted in physical form as per tender document before deadline of submission of tender.</p>
4	Vol 1,	clause 1.1.4.2 A	<p>In case the work is executed for private client, copy of work order, bill of quantities, bill wise details of payment received certified by C.A., T.D.S certificates for all payments received and copy of final/last bill paid by client shall also be submitted</p>	<p>Since the contracts are governed by confidentiality agreement, it is not possible to share all these information. We request you to allow submission of customer certificate for the works as qualifying document.</p>	<p>No Change in Tender Conditions</p>
5	Vol-1NIT		<p>Date & time of Submission of Tender 07.07.2015 @ 15:00 Hrs.</p>	<p>Submission timeline is too early to prepare for a good quality offer.</p> <p>We Request for a time extension of 4 weeks in Bid Submission Date.</p>	<p>No Change in Tender Conditions</p>
6	Vol 1 ITT	Page 35	<p>Check Sheet For Technical Submission</p> <p>21. Annexure-8 Bank providing the PBG</p>	<p>In the Check Sheet For Technical Submission, Annexure-8 is given as Bank providing the PBG. But, in Annexure-8, the format for PERFORMANCE SECURITY (GUARANTEE) BY BANK is given instead of the format for Bank providing the</p>	<p>Kindly refer to Addendum No.-3.</p>

				PBG. Please clarify.	
7	Vol 1 ITT	Page 35	Annexure-8 Form of Performance Security (Guarantee) By Bank Annexure-9 Form of additional Bank Guarantee	As per clause C12.3 and F5 of ITT, the Performance Security and Additional Bank Guarantee are to be submitted after the award of contract. However, these documents are a part of Check Sheet for technical submission. Please clarify	Kindly refer to Addendum No.-3.
8	Vol-7		Price Schedule (BOQ)	The BOQ is to be uploaded in excel format on the e-tendering portal www.tenderwizard.com/DMRC. However, there is no mention about the provision to upload any additional document, like Discount Letter , along with the Price Schedule. Please clarify.	Kindly refer to Addendum No.-3.
9	Vol--1	Clause: A1.5 Page-19	Only road restoration charges paid by the contractor to the civic agencies will be reimbursed by DMRC on submission of documentary evidence of payment.	All charges paid by the contractor to the civic agencies will be reimbursed by DMRC on submission of documentary evidence of payment. Please confirm.	Tender Condition are self explanatory. No Change in Tender Condition.
10	Vol-1 NIT	Clause 1.1.3 of	This is a NON-JICA funded Contract and project shall be financed accordingly	I confirm the source of funding of the project and name of the funding agency.	On behalf of NMRC, DMRC handling the contract and shall the payment as per contract.
11	Vol-2 GCC	Sub-Clause 11.1.1 ,	Taxes & Duties	Since as per The Constitution (122nd Amendment) Bill, 2014 GST will be applicable w.e.f April 2016 and	No Change in Tender Conditions

	SCC	24		afterwards all taxes & duties will be subsumed in GST. PI confirm that GST shall be paid if applicable after bid submission.	
12	Vol-2	Sub-Clause 11.1.1	The contract price shall not be adjusted to take into account any change in taxes, duties, levies or introduction of any new tax, duty or levy till the completion date including the date of extended period of contract.	We request you to please allow Statutory Variations as vide The Constitution (122nd Amendment) Bill, 2014 GST will be applicable w.e.f April 2016 GST and it will effect the Contract Price.	No Change in Tender Conditions
13	Vol-2 SCC	46	The contractor shall submit a Indemnity Bond in the format given in Schedule 8 against payments made for Plant and Equipment delivered to Delhi.	We understand that payment for all equipment delivered at NOIDA - GREATER NOIDA will made against the submission of indemnity bond to DMRC.	Confirmed.
14	Vol-2 GCC	4.2.4	Guarantees and Warranties	<p>We understand that the requirement of Parent company undertaking & Parent company guarantee is applicable for wholly owned subsidiaries.</p> <p>If a company is an established entity and registered as Public Limited Company in India under Company Act 1956 and qualifies under its own credentials, it does not have to provide any Parent company undertaking & Parent company guarantee.</p> <p>Please confirm.</p>	No Change in Tender Conditions

15	Vol-2 GCC SCC	Sub-Clause 11.1.1 & 24 (B)	The Noida Metro Rail Corporation is in the process of getting registration with concerned authorities to avail the benefits of concessional taxes and duties. During the course of execution of work if the exemption is received by the Noida Metro Rail Corporation, the benefit on account of the taxes and duties shall be transferred to DMRC on submission of documentary proof by the Contractor.	Please confirm whether contractor will get the benefit of concessional custom duty or not. If yes, Pl confirm the Custom Notification No. under which this Project is listed.	No Change in Tender Conditions
16	Vol-2 GCC	2.2 Access to and Possession of the Site	For any such delay in handing over of site, Contractors will be entitled to only reasonable extension of time and no monetary claims whatsoever shall be paid or entertained on this account.	We request DMRC to consider cost compensation for additional overhead expenditure incurred by the contractor due to the delay in project for the reasons not attributed to Contractor.	No Change in Tender Conditions
17	Vol-2 GCC	2.3	It shall be Contractor's exclusive responsibility to get approvals, permits or license required for the Contract. However, the Employer may (where he is in a position to do so) provide reasonable assistance to Contractor at the request and cost of the Contractor in getting Permits, License or Approvals required during the Contract.	We understand that as per prevalent practices, the permits and approvals shall be obtained in the name of Employer i.e DMRC. Please confirm.	Tender Condition are self explanatory. No Change in Tender Condition.
18	Vol-2 , GCC	9.1	The Works shall be taken over by the Employer when they have been completed in accordance with the Contract, have passed the Tests on Completion, including Integrated Testing and	Please include that in case of delay in providing acceptance or where DMRC puts the works in commercial operations, it will be deemed accepted by DMRC	No Change in Tender Conditions

			Commissioning where ever applicable as per the contract, and a Taking Over Certificate for the Works shall be issued.	Please confirm.	
19	Vol-2 GCC	14.6	Limitation of Liability	<p>We request for revision as below</p> <p><i>“The aggregate liability for any or all claims Including but not limited to Liquidated damages and Indemnification shall not exceed 100% of the total amount received by the Contractor under this contract.”</i></p>	No Change in Tender Conditions
20	Vol-2 GCC	14.1	Indirect or consequential damages	<p>We request for revision as below</p> <p><i>“The contractor to the maximum extent permitted by applicable law, hereby disclaims all warranties / guaranties , either express or implied , other than what is expressly stated in this contract.</i></p> <p><i>In no event shall contractor be liable to Indemnify the customer for loss of contracts , loss of business, loss of data(including but not limited to any and all costs for retrieving and restoring lost data),</i></p>	No Change in Tender Conditions

				<i>loss of Interest , lost profits or business Interruption or any Indirect or consequential damages, Irrespective of the cause of action or the legal theory upon which such claim is based and even if such obligations of the Contractor appear at any place in this Agreement and / or any of its parts, portions, allied contracts and agreements.”</i>	
21	Vol-2	13	Termination	<p>We request for revision as below</p> <p><i>“A party shall be entitled to terminate this contract by written notice,</i></p> <p><i>a) If any proceeding is Instituted against the other party seeking to adjudicate such party as bankrupt or Insolvent , or if the other party makes a general assignment for the benefit of its creditors , or if a receiver is appointed on account of the Insolvency of the other party, and, In the case of any such proceeding Instituted against the other party (but not by the other party itself), If such proceeding is not dismissed with forty-five(45) days of such filing, or</i></p> <p><i>b) If the other party is insolvent or itself files a petition seeking to take advantage of any law relating to bankruptcy , insolvency, winding up or composition or readjustment of debts,</i></p>	No Change in Tender Conditions

				<i>c) If a party commits a material breach of the terms and conditions of the Contract.”</i>	
22	Vol-2 GCC	2.4	Assignment by the Employer	The rights and obligations of each party under this contract may be assigned , novated or otherwise transferred or directly or Indirectly after taking the written consent of the party whose rights are being transferred.	No Change in Tender Conditions
23	Vol-2 GCC	4.9	Site Data	Please include that in case of error in site data, necessary EoT with cost compensation to the Contractor will be allowed.	No Change in Tender Conditions
24	Vol-2 GCC	4.4	Facilities and for coordination of others	Please provide cost compensation along with EoT for delay by designated contractors	No Change in Tender Conditions
25	Vol-2	-	Change in laws	Please include that in case of delay due to change in laws, the contractor shall be entitled to EoT with cost compensation	No Change in Tender Conditions
26	Vol-2 GCC	4.12	Rights of way	Please inform what rights of way does Contractor need to procure.	No Change in Tender Conditions
27	Vol-2	-	General	Are there any interfacing obligations that Contractor needs to do.	PI follow tender condition.
28	Vol-2 SCC		Sub-Clause 2.4: Assignment by the Employer (NOT USED)	We understand that the “Not USED” means that the relevant GCC clause is deleted. Please confirm.	Relevant GCC clause is still valid. The “Not Used” is referring to the SCC Clause only.
29	Vol-2	Schedule 5	“He agrees that should any modification be	Please confirm that warranty for 24	Tender Condition are self

	SCC		required to any equipment or component as a consequence of failure, the period of 24 months shall re-commence from the date when the modified part is commissioned.”	month will re-commence for modified product only and not for the complete system.	explanatory. No Change in Tender Condition.
30	Vol-2 SCC	25	Prices quoted by the tenderer shall be fixed throughout the Tenderers performance of the contract and not subject to variation of any account except where specifically mentioned in the contract conditions along with the price variations formula to be made applicable.	Price variation formula is applicable only for Power transformer & traction transformer. We request DMRC to consider the price variation for other items e.g. EHV cables and switchgears.	No Change in Tender Conditions
31	Vol-3 GS	15.4.2	The Contractor shall provide and maintain all necessary offices, sheds, stores, mess, rooms, latrines and other accommodation and remove the same from the Site on the Employer’s Taking Over of the Works.	Please confirm that the land for Site office & Site store will be provided by DMRC free of cost.	Tender Condition are self explanatory. No Change in Tender Condition.
32	Vol- -3 Chapter 6		SOFTWARE MANAGEMENT AND CONTROL:	SIL Certification and EN50128 is not relevant for SAS (Substation Automation System).	No Change in Tender Conditions

			<p>All software to be developed or modified (re-engineered software) shall follow the normative requirements of EN50128 (Railway Applications: Software for Railway Control and Protection Systems). The Software shall be designed, developed and tested according to the Software Quality assurance Plan, Software Integrity Level (SIL) and the Software Lifecycle.</p>	<p>EN50128 is application for software's used for railways control and protection), However SAS system is general SCADA used for Power Substations. Hence Same standard shall only be specified for traction and Signaling SCADA System. SAS System shall be excluded from this requirement. Please clarify.</p>	
33	Vol- -3 Chapter 6		Source Code	<p>Project specific application program can only be issued for backup and restoration of system purposes.</p> <p>Software development source code is the proprietary of the manufacturer and applies copyright regulation for it's distribution. Source code can't be generated project specific.</p>	No Change in Tender Conditions
34	Vol--3	Clause: 1.12.4	<p>Ambient Temperature - 30 Degree C</p> <p>Maximum Temperature - 45 degree C</p>	<p>We understand that in Class 'B' environment, the average ambient temperature shall be 30 Degrees and the maximum temperature for a short duration can be 45 Deg. C. Therefore, we have to design equipments suitable for an average ambient temperature of 30 Deg C.</p>	Tender Condition are self explanatory. No Change in Tender Condition.

				Please consider that the temperature inside rooms is generally maintained much lesser than outside ambient temperature. Considerations of maximum temperature (which may happen for very short durations) for design purpose will lead to over designing of the equipment.	
35	Vol—4 Chapter-2,	Clause:2, Page No:5	The BCUs shall be provided on the 132kV bays and housed in the indoor cubicles in the control room besides/ along with realy panels. The BCU shall have full fledge graphic display for the position of the switching elements.	We understand that conventional type LCC along with GIS bays shall be provided and both Main and Standby BCU and IED shall be provided in the CRP located at control room. Please confirm.	confirmed
36	Vol—4 Chapter-2	, Clause-2, Page No:6	The term RSS includes the various facilities inside the RSS premises, bound by a fencing or boundary wall.	Please confirm whether fencing or boundary wall is to be considered.	boundary wall.
37	Vol—4 Chapter-1	Clause 2.4.8.3 Page-12	Power Source: UPPTCL substation at Sec-82 and Sec-148 Noida	Please confirm the UPPTCL substation at Sec-82 and Sec-148 Noida is GIS or AIS type.	AIS type. For confirmation visit the GSSs.
38	Vol—4 Chapter-2	Clause-2 Page-5	A wall display unit of adequate size shall be provided for operator to visualize the circuit condition vis-a vis the status of primary switch-yard equipments, while sitting at the control desk operator's chair. This display unit shall connect to the station servers.	Please confirm the size of the wall display unit to be considered for the project.	Tender Condition are self explanatory. No Change in Tender Condition.
39	Vol—4	,	Interfacing requirements with PSA: If DMRC	Please confirm the requirement of	Standby IED for complete

	Chapter-3	Clause-2.2, S.No:5 Page No:5	opts for standby IED for 132kV cables than standby IED also to be provided by RSS contractor.	the Standby IED, if any.	RSS item considered in cost center-F under addition/deletion.
40	Vol—4 Chapter-3,	Clause-6.15 Page-17	Interface with Depot Contractor	Please confirm if supply requirement of any DMRC Depot to be considered from the NE-02 RSSs.	If 132 kV cable crosses depot then depot contractor will provide the trench.
41	Vol—4 Chapter-8A	Clause-1.4.3 Page-10	All steel structure lattice type shall be galvanized 1000g/Sqm while pipes with 610g/Sqm as per latest relevant RDSO specifications suitable for Very heavy pollution as per IEC 60815 & IS 13134-1992.All ferrous part of equipments shall have galvanization 1000g/Sqm. The nut and bolts shall be galvanized as per the relevant IS.	Please note that the where ever applicable and possible Galvanization of 1000g/sq m shall be provided, however galvanization thickness of the sheets shall be as per the relevant applicable IS for the sheet thickness. Please confirm.	PI follow tender condition.
42	Vol—4 Ch-8A	, Clause-2.1.1.1.7 Page-13	EOT crane with VVVF drive for continuous operation for GIS equipment handling during installation, commissioning and maintenance etc.	Normally smaller rating (5 Ton) EOT cranes are not supplied with VVVF drive. We propose EOT crane without VVVF drive. Kindly confirm.	PI follow tender condition. Min capacity is 5 ton with VVVF drive.
43	Vol—4 Chapter-8A,	Clause-2.1.5.1.6 Page-23	OLTC - The on-load tap changer shall be suitable capacity, design and enclosure type, installed in a separated oil tank, offering 16 steps (+6step, normal and -9 step) each representing 1.667% of the nominal voltage.	We understand that OLTC is with 16 positions and 15 steps as mentioned in the GTP of OLTC. Please confirm.	Confirmed.
44	Vol—4 Chapter-	Clause-2.1.5.1.10	Transformer Losses	Please confirm whether losses to be quoted at 75deg C or at 95 deg C.	PI follow tender condition.

	8A	Page-23		Normally as per IEC losses to be quoted at 75 deg C.	
45	Vol—4 Ch-8A	, Clause-2.1.5.1.17 Page-28	Metal work & Paint-work: The shade of paint shall be gray shade 631 as per IS: 5.	We propose gray shade “RAL 7032” as paint shade for transformer and accessories. Please confirm.	PI follow tender condition.
46	Vol—4 Ch-8A,	Clause-2.1.5.1.18 Page-29	Transport	We propose transformer to be transported with oil up to winding top and then with Dry pressurized air upto the tank top for safety concerns, as Nitrogen is not safe for humans. Please confirm.	PI follow tender condition.
47	Vol—4 Ch-8A	, Clause-2.1.5.1.21, Page-35	Fiber Optic Winding Hot spot temperature Monitor: Probes shall have certified Weidman testing for electrical parameters per ASTM D - 3426 and ASTM D - 149 that is current (no more than 1 year old).	Please note that Wiedman is a laboratory of a specific country, suppliers from different countries comply with different testing laboratories than Wiedman. We shall provide the test certificates of a laboratory as applicable for the manufacturer of Fiber Optic Winding Hot spot temperature Monitor. Please confirm.	PI follow addendum 3.
48	Vol—4 Chapter-8A	, Clause-2.1.7.7 Page-48	Efficiency at 1/4 load for 33/0.415kV, 100kVA Station Transformer	As per our past experience Vendors are not able to match efficiency mentioned at 1/4 load for 33/0.415kV, 100kVA Station Transformer. We shall provide the best possible efficiency provided by transformer manufacturer at 1/4 load.	PI follow tender condition.
49	Vol—4 Chapter-8A	Clause-2.1.9.4	Battery: Each battery shall be of stationary compact, Nickel-Cadmium type. They shall be maintenance free.	Battery Type: Ultra Low Maintenance free Ni-Cd as per IEC 623, Please confirm.	Battery may be supplied as per IEC60623..

		Page-57			
50	Vol—4 Chapter- 8A	, Clause- 2.1.10.2.13 Page-66	Transformer Losses	Please confirm whether losses to be quoted at 75deg C or at 95 deg C. Normally as per IEC losses to be quoted at 75 deg C.	PI follow tender condition.
51	Vol—4 Chapter- 8A	Clause- 2.1.10.2.20 Page-71	Metal work & Paint-work: The shade of paint shall be gray shade 631 as per IS: 5.	Paint shade specified is Gray shade 631. We propose RAL 7032 as paint shade for transformer and accessories. Please confirm.	PI follow tender condition.
52	Vol—4 Chapter- 8A	Clause- 2.1.10.2.21 Page-71	Transport	We propose transformer to be transported with oil up to winding top and then with Dry pressurized air up to the tank top for safety concerns, as Nitrogen is not safe for humans. Please confirm.	PI follow tender condition.
53	Vol—4 Chapter- 8A	Clause-3.2.1 Page-79	Incomer Line Protection	As per specifications distance between UPPTCL GSS & DMRC RSS under NE-02 is 500m only. Kindly confirm the main line protection to be considered is differential protection or distance protection.	It is differential, distance feature will be enable when differential out of order.
54	Vol—4 Chapter-	Clause-3.5.1.2	Each of the IED/BCU/BPU provided shall be provided with its similar backup IED/BCU/BPU	As per the clause we understand that CRP with main protection shall be	PI follow tender condition.

	8A,	Page-100	to ensure redundancy. This means for each IED/BCU/BPU the second hot standby IED/BCU/BPU should be provided which should automatically take over the system in the event of failure of main IED/BCU/BPU. This shall also include the IED/BCU/BPU of PSA end. Redundancy i.e Back up BCU/BPU/IED are to be quoted separately in financial offer under miscellaneous items. This should be realized by taking standby control relay panel complete with the BCU and BPU .	offered and separate price for backup protection IEDs/BCU shall be provided. Please confirm.	
55	Vol—4 Chapter-8A,	Clause: 4.2.4.2 Page-124	The electric resistivity of the conductor screen shall not be more than 5000 Ω cm at 20°C and not more than 25000 Ω cm at the working rated temperature.	Please note that values mentioned are not in line with IEC, electric resistivity of the conductor screen shall be as per IEC - 60840, Please confirm.	PI follow tender condition.
56	Vol—4 Chapter-8A,	Clause-4.2.4.3 Page-124	Nominal thickness of the insulation shall be 19 mm.	Please note that this insulation thickness is not possible to design. insulation thickness shall be as per IEC - 60840. Kindly confirm.	PI follow tender condition. .
57	Vol—4 Chapter-8A,	Clause-4.2.4.3 Page-124	The voltage gradient in the rated working conditions shall be '- Equal to or less than 6 kV/mm at the level of internal semiconductor '- Equal to or less than 3 kV/mm at the level of external semiconductor	Please note that as per IEC voltage gradient at internal semi conductor shall be 8kV/ mm and at external semi conductor shall be 4kV/ mm. Please confirm.	PI follow tender condition.

58	Vol—4 Chapter- 8A,	Clause-4.2.4.6 & 4.2.5.6 Page-125	Metallic Sheath: Metallic sheath shall be either of corrugated Aluminum sheath or Corrugated Copper sheath. The metallic sheath shall be able to carry a short circuit current of 31 kA for 132 kV cables for 3 seconds.	Please note that system fault level for 132kV system is given as 22kA. Short circuit rating of metallic sheath should be same as that of system fault level ie.22kA. Please confirm.	31.5KA for 3 sec.
59	Vol--4 Chapter- 8A,	Clause-4.2.6 Page-129	Cable Laying	Please provide the typical drawing of the cable laying sections.	This is design & built contract
60	Vol—4 Chapter- 8A,	Clause-4.2.7.3 Page-132	Bonding	Under Cross Bonding, it is mentioned that the sheaths have to be electrically transposed at every "straight through joints" and SVL's are needed at 2 out of 3 joint locations. Please note that SVL's shall be provided in line with the Sheath voltage calculation as per latest applicable standard i.e. IEEE-575. Please confirm.	PI follow tender condition.
61	Vol—4 Chapter- 8A	Clause-4.2.8.1.1 Page-137	Pre moulded type: Straight through joints & Cable Terminations	Under referred clause Straight through joints & Cable Terminations are mentioned as Pre Moulded type whereas under clause 4.2.7.1 all three types of Straight through joints & Cable Terminations i.e. Pre moulded, heat shrinkable and cold shrinkable are mentioned. Please confirm.	Pre Moulded type .
62	Vol--4 Chapter- 8A,	Clause-4.2.15.1 & 4.2.15.2 Page-140	Acceptance Test and Frequency of Tests	Please note that Water Penetration test on complete cable length is not possible to conduct, Sampling for Acceptance test shall be as per relevant applicable IEC. Please confirm.	PI follow tender condition.

63	Vol—4 Chapter- 8A	Clause-4.3 Page-142	Medium Voltage Cable (33kV)	Please note that cables used in the RSS are laid on brackets in the covered cable trenches, and are not exposed to direct sun light. We understand that FRLS 33kV Shall be used in the RSS. Please confirm.	PI follow tender condition.
64	Vol—4 Chapter- 8A	Clause-4.4 Page-154	25kV Cable	Please note that cables used in the RSS are laid on brackets in the covered cable trenches, and are not exposed to direct sun light. We understand that FRLS 25 kV Shall be used in the RSS. Please confirm.	PI follow tender condition.
65	Vol—4 Chapter- 8A	Clause-4.4.10 Page-161	Data Sheet - 25kV Cable	Conductor diameter is mentioned as 240 or higher, it seems to be a typographic error. Cable with suitable dia as per 240 Sq mm Cross section shall be provided. Kindly confirm.	confirmed
66	Vol—4 Chapter- 8A	Clause-5.1.6.4.7 Page-173	Traction Return Current Earthing	For Traction Return Current earthing 120 Sq mm Cable is mentioned. However as per earlier RSS projects with DMRC we propose to use Cu Flat for Traction Return Current earthing instead of 120 sq mm cable. Please confirm.	PI follow tender condition.
67	Vol--4 Chapter- 8A	Clause-5.1.6.6	Burried Earth Conductor:	Please provide the mentioned "substation Layout" indicating tentative locations of the equipments.	It is design and build contract so, Bidder has to design.

		Page-173	<p>The tentative location of the Buried rail is shown in the Substation Layout Drawings.</p> <p>In addition, provisions to be made for regular inspection of earthing connectivity of transformer secondary, buried copper bar, earth mat and outgoing return current cable.</p>	Normally buried rail is buried under ground. Please clarify the details and arrangement of the specific provisions to be kept for regular inspection.	
68	Vol—4 Chapter- 8A	Clause-5.1.6.7 Page-173	AMS & Control Building Earthing	As per specification 120 sq mm flexible bare cu conductor is to be laid below AMS building foundation raft, however for ease of work we propose to use Cu flat of equivalent cross section in place of 120 sq mm bare cu cable. Please confirm.	confirmed
69	Vol—4 Chapter- 8A	Clause-8.5.6.1 Page-182	The Cable cellar is to be provided for GIS Building.	Please confirm whether Cable Cellar to be provided only for GIS building or for both AMS & GIS building.	It is design and Build contract, bidder has to design layout.
70	Vol—4 Chapter- 8A	Clause-8.5.6.6 Page-184	<p>Compressor:</p> <p>The compressor shall be of highly efficient hermetic Inverter / Digital Vapor Injection Scroll capable of capacity modulation by time averaging method and Vapor injection Technology. Each ODU should have minimum 1 no. variable compressor upto 16 HP capacity, 2 nos. variable compressors upto 32 HP capacity, 3 nos. Variable compressors upto 48 HP capacity & 4 nos. variable e compressors</p>	Please confirm whether the ratings mentioned for compressors are fixed or same can be decided as per VRF design and heat load of the equipments. However please note that mentioned ratings of compressors are not clear and it is not possible to decide the final rating of compressor to be supplied.	It is design and Build contract, bidder has to design the capacity of VRV system based on heat load.

			upto 64 HP capacity.		
71	Vol—4 Chapter- 8A	Clause-8.5.6.8 Page-187	Building shall be supplied with continuous (24 hour) running potable cold water to the pantry and wash rooms.	Please confirm the requirement of supplying potable cold water to the wash rooms.	Provision for potable water shall be made.
72	Vol—4 Chapter- 8A	Clause-8.5.6.11.3 Page-189	Lighting Equipment: LED Type	Please confirm whether for outdoor areas LED type lighting fixtures to be considered.	confirmed
73	Vol—4 Chapter- 8B	,1 Page-4	GTP- Traction Transformer Percentage Impedance	The percentage impedance is mentioned as 13.8% in the GTP whereas in the specification it is mentioned as 12.5%. Please confirm the requirement.	Kindly Refer Addendum No.-3
74	Vol—4 Chapter- 8B	,1 Page-4	GTP - Traction Transformer Transformer No Load & Copper Loss	Please confirm that whether we have to quote Losses at 95deg C or at 75 deg C as per IEC. Generally it is to be quoted as per IEC. Please confirm.	PI follow tender condition.
75	Vol—4 Chapter- 8B,	2 Page-6	GTP - Auxiliary Main Transformer OLTC	Please note that as per GTP transformer primary neutral BIL is not same as that of HV, OLTC is used at the HV neutral side. We understand that BIL of OLTC shall be same as that of transformer primary neutral. Kindly confirm.	PI follow tender condition.
76	Vol—4 Chapter- 8B,	3 Page-10	GTP - Auxiliary Transformer	Please note that as per Rating of Auxiliary transformer is mentioned as 200kVA in the heading. It seems as typographical error as Auxiliary transformer rating is 100kVA. Please confirm.	Kindly Refer Addendum No.-3

77	Vol—4 Chapter- 8B,	7 Page-10	GTP-132kV Current Transformer - CTC	There are CTs on both sides of buscoupler as per SLD, DMRC has given GTP of one CT only. Please provide GTP of both CTs of Bus coupler as application of both CTs are different (one is used for protection and other for metering)	Both CT are same having two protection core.
78	Vol—4 Chapter- 8B,	10 Page-16	GTP - 132kV Voltage Transformer	Capacitive type VT is mentioned in the GTP. However, in GIS it is not possible to supply capacitive type VT. We propose inductive type VT instead of Capacitive VT.	Kindly Refer Addendum No.-3
79	Vol--4	General	GTP for 132kV LA	Please provide the GTP of 132kV LA to be used in incomer as well as on HV side of transformer.	PI follow tender condition. As per clause 2.1.2 & relevant IEC.
80	Vol--4	General	Test Sheet	Test sheets of equipments are not provided.	Tests are to be conducted as per latest & relevant IEC.
81	Vol—4 Chapter- 8A	Clause-2.1.6.4-I Page-38	GIS supplier should have minimum experience of 05 years for manufacturing of similar GIS substations. The type of GIS offered should have been in satisfactory operation for at least three years. Contractor should submit performance certificate from the employer	We understand that the type of GIS offered should have been in satisfactory operation for at least 3 years in Metro System. Please confirm.	PI follow tender condition.
82	Vol—4 Chapter- 8A	Clause-2.1.6.4-II Page-38	The 33kV equipment shall be built according to the SF6 gas insulation technology.	We understand that 33 kV GIS shall be built according to SF6 gas insulation technology. All active parts including the busbars shall be completely encapsulated in SF6 gas. The hybrid solutions wherein the busbars are partly insulated through SF6 gas and partly through other means, shall not be acceptable.	PI follows tender conditions. Hybrid system will not be acceptable.

				Please confirm.	
83	Vol—4 Chapter- 8A	Clause-2.1.6.4-IV Page-38	In the event of arcing in a compartment, the arc should not extend to the neighboring compartment/panel. Any failure to the enclosure of the compartment shall not lead to damages in the neighboring compartments.	We understand that arcing in one phase should not get extended to the other phases for the purpose of high reliability and minimizing the damages. Please confirm.	PI follows tender conditions.
84	Vol—4 Chapter- 8A	Clause-2.1.6.7.2 Page-40	Busbar connection and their supports shall be an approved type, designed to withstand all normal and abnormal conditions arising in the System. They shall be capable of carrying the current equivalent to the breaking capacity of the switchgear for 3 seconds.	We understand that earth bus bar shall be rated according to the earth fault current of 33 kV system. Please confirm.	PI follows tender conditions.
85	Vol—4 Chapter- 8A	Clause-2.1.6.9.5 Page-41	Where interlocking over a distance is required two independent criteria shall be used, e.g. absence of voltage and remote feeding circuit breaker open. Indication of the remote condition shall be by single purpose circuit, care being taken that conductors used are adequately screened and shielded to minimize both transverse and longitudinal voltages	We understand that the interlocking requirements defined under clause 2.1.6.21 do not require laying of a separate screened cable to achieve interlocking over a distance. Please confirm that our understanding is correct. If not, please clarify that for which interlocking requirement this screened cable has to be provided through out the corridor.	PI follows tender conditions.
86	Vol—4 Chapter-	Clause-2.1.6.11	All earth bars and terminals including those in the switchboard and inside the ASS shall be	It is not usual to use tinned copper for these application, we request you to	PI follows tender conditions.

	8A	Page-42	tinned copper.	allow to use bare copper.	
87	Vol—4 Chapter- 8A	Clause-2.1.11.10 Page-75	Technical Specification - 25kV GIS: Rated Voltage - 52kV	The systems with 27.5 kV system voltage do not have a requirement of 52 kV rated voltage, we request you to drop this requirement. System voltage , power frequency withstand voltage and lightning impulse withstand voltage are adequate to define the requirements for Switchgear .	PI follows tender conditions.
88	Vol—4 Chapter- 8B	GTP Page-34	30.25kV CT Rated Impulse withstand(1.2/50 micro second):250 kVP Rated Power frequency withstand voltage: 95kV rms Insulation withstand Voltage (Permanent): 29kV	In GIS CTs are located outside enclosure and not at HV potential, these values are not applicable. CT shall be designed as per IEC 61869-1 /-2 suitable for 25kV GIS. Kindly confirm.	Kindly Refer Addendum No.-3
89	Vol—4 Chapter- 8B	GTP 13. 33kV Cables Page-19	As per GTP:13 ,33kV Cables, Page 19-, cables are unarmoured. Chapter-8A, Clause-4.3.13, Page-147, Cables are armoured	Please confirm if cables are armoured or unarmoured.	Armoured..
90	Vol—4 Chapter- 8B	GTP 14. 25kV Cables Page-20	As per GTP:14 ,25kV Cables, Page 20-, cables are unarmoured. Chapter-8A, Clause-4.4.5.3.9, Page-158, Cables are armoured	Please confirm if cables are armoured or unarmoured.	Armoured..

91	Vol--4	General	General	Please provide specifications of 3.3kV cables.	Kindly Refer Addendum No.-3
92	Vol--4	General	PV Formula	Please provide if the price variation formula applicable for EHV/ MV Cables.	PI follows tender conditions
93	Vol--4	General	Test Sheet	Please provide test sheets shall for all equipments	Tests are to be conducted as per latest & relevant IEC.
94	Vol--4	Table – A Spare Part List Pg 40/51	Sr. No. 4 – SAS Cubicle for Incomer, Outgoing Trafo & Bus Coupler Bay	Please confirm Cubicle if both Main & Standby to be considered or only main to be considered.	Only for main
95	Vol--4	Table – A Spare Part List Pg 40/51	Sr. no 9 – IED	Please clarify spare IED for which bay to consider.	For incomer bay.
96	Vol -4 Chapter-6	Clause:3.5.3.3.1	<p>Communication Interface</p> <p>The Substation Automation System shall have the capability to support simultaneous communications with multiple independent remote master stations,</p> <p>The Substation Automation System shall have communication ports as follows</p> <p>a) Two ports for simultaneous reporting to two masters, Operation Control Centre</p>	Scope of communication infrastructure to Shastri Park and Metro Bhawan is not clear. As per our understanding same shall be provided by Telecom Contractor at both RSS. Please clarify	Two OCC namely 1st at Depot, greater Noida and 2 nd at RSS sector-153. PI refer addendum-3

			(OCC) at Shastri Park/Metro Bhawan, Ph-II OCC/Metro Bhawan, Ph-III OCC. b) One spare port for connecting to a third master if required in future		
97	Vol- -4	Clause 3.2.6.3.3 Track Feeder Protection	Each track feeder circuit-breaker is actuated by : - Minimum impedance protection,(fn 21) - Over current protection (fn 50-51). - F87: Differential Current Protection for TSS feeder CB's which are directly connected to switching posts in underground section. All other necessary provisions, space, CT cores, wiring etc. to be provided by the RSS contractor. Relay shall be provided by Traction contractor.	Please confirm that all Track (outgoing) Feeders of the TSS to be offered shall have 87L Protection (7SD85) and NOT 21 as also stated in the spec. (additional/optional). Please confirm that the Minimum impedance protection and the over current protection can be provided by the same relay.	Since It is elevated corridor- Minimum impedance protection,(fn 21) required. Main protection should be separate from back up
98	Vol- -4	Clause 30 Current Transformers	Secondary Core, CT between Transformer and 25kV Busbar (TcTx) Core 1, 1600-800/1,cl PS	d) Core 1 (first): "cl PS" is not a valid class according to IEC. It should be PR or PX or PXR. Please clarify.	PS class.
99	Vol- -4	Clause 32	Resistance of Primary winding	Resistance of Primary winding: what	

		Voltage Transformers	Not less than 27 000 ohms at 10°C*	does this requirement mean? The relevant IEC do not include such requirement. Please clarify.	Kindly Refer Addendum No.-3
100	Vol- -4	Clause 2.1.11.10	3) Rated Voltage	Please confirm rated voltage can be 27.5kV as per Railway Standard EN 50163	PI follows tender conditions
101	Vol- -4	Clause 2.1.11.6.11	The gas barrier insulation between compartment shall withstand 1.5 times maximum rated pressure on one side and vacuum on the other side.	Please advise what vacuum on the other side means. The swgr will never be in a vacuum environment	PI follows tender conditions
102	Vol-5	-	-	Please provide a location map/Layout for RSS.	Kindly Refer Addendum No.-3
103	Vol-7	Statement B31, Cost center C	Spares as per Annexure A & B	We are not able to locate Annexure A & B. It is named Table A and B. Kindly Clarify.	It is Table A and B.
104	Vol--7	Table – A Spare Part List Pg 40/51	Sr. No – 2 AMT Rating is mentioned as 30/45MVA.	Please confirm the rating.	10/15MVA. Kindly Refer Addendum No.-3

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S.No.	Volume ,Section	Page No. ,Clause No.	Relevant Abstract from Tender	Query	DMRC Reply
A. COMMERCIAL					
105	Vol-1 & Vol-2 NIT & ITT	Cl. No. 1.1.4.1 (II) (b) Cl. No. A 3.4 Page No. 8 & Page No. 22	A tenderer shall submit only one bid in the same tendering process.....A tenderer who submits or participates in, more than one bid will cause all of the proposals in which the tenderer has participated to be disqualified. No tenderer can be a subcontractor while submitting a bid individually or as a partner of a JV in the same bidding process. A tenderer, if acting in the capacity of subcontractor in any bid, may participate in more than one bid, but only in that capacity.	We would like to request you to kindly confirm that vendors proposed by Bidders shall not be treated as "sub-contractor". Though the above statement is written under ITT Cl. No. A3.4, Page 8, however as per Cl. No. 1.5 Priority of documents, Page 11 of 66, GCC, Vol-2, NIT supercedes ITT and hence we request you to reconfirm that "vendors proposed by Bidders shall not be treated as sub-contractor".	Tender Condition are self explanatory. No Change in Tender Condition.
106	Vol-1 ITT	Cl. No. A 1.5 Page No. 19	Final location...Fees deposited by the contractor to Government Agencies for obtaining permission for laying of EHV cables shall be reimbursed by DMRC on submission of documentary evidence of payment. Only road restoration charges paid by the contractor to the civic agencies will be reimbursed by DMRC on submission of documentary evidence of payment.	We would like to bring to your kind notice that there are some typographical errors in the referred clause. We request you to kindly correct the same as follows, Fees deposited by the contractor to Government Agencies for obtaining permission for laying of EHV cables shall be reimbursed by DMRC on submission of documentary evidence of payment Only and road restoration charges paid by the contractor to the civic agencies will also be reimbursed by DMRC on submission of documentary evidence of payment.	Tender Condition are self explanatory. No Change in Tender Condition.

107	Vol-1 ITT	Cl. No. A 1.5 Page No. 19	Final location...Fees deposited by the contractor to Government Agencies for obtaining permission for laying of EHV cables shall be reimbursed by DMRC on submission of documentary evidence of payment. Only road restoration charges paid by the contractor to the civic agencies will be reimbursed by DMRC on submission of documentary evidence of payment.	We would like to bring to your kind notice that the time duration taken for reimbursement is not specified. We request you to kindly stipulate the time duration taken for reimbursement of road restoration/ right of way charges or kindly confirm that it shall be reimbursed within 3 weeks from the date of submission of documentary evidence of payment.	No Change in Tender Condition.
108	Vol-1 ITT	Cl. No. A 1.5 Page No. 19	Final location...Fees deposited by the contractor to Government Agencies for obtaining permission for laying of EHV cables shall be reimbursed by DMRC on submission of documentary evidence of payment. Only road restoration charges paid by the contractor to the civic agencies will be reimbursed by DMRC on submission of documentary evidence of payment.	<p>Please confirm that the price quoted by the bidder will be excluding the following ROW (Right of Way) charges and shall not be considered for price bid evaluation,</p> <p>i) The fees deposited by contractor to government agencies for obtaining permission for laying of EHV cables.</p> <p>ii) Road restoration charges paid by the contractor to the civic agencies</p> <p>The same will be paid to the bidder by DMRC extra at actuals against documentary evidence over and above the contract price.</p>	Tender Condition are self explanatory. No Change in Tender Condition.

109	Vol-2 GCC & SCC	<p>Page No. 49 of 66, Page No. 18 of 28 Cl. No. 11.2 (GCC), Cl. No. 24 of SCC</p>	<p>All payments made by the Employer pursuant to the terms of the Contract shall be in the currency or currencies specified in the Contract. Wherever any sum in a foreign currency has to be converted into Indian Rupees for any purpose, the exchange rate to be employed for such conversion shall be the selling rate of exchange at the close of business of the State Bank of India 28 days before the latest date of submission of Tenders.</p>	<p>We would like to bring to your kind notice that there is a contradiction in the para under reference. ie., in the first it is said that "All payments made by the Employer pursuant to the terms of the Contract shall be in the currency or currencies specified in the Contract". However in the subsequent sentence it is said that " Foreign currency shall be converted Indian Rupees, at the exchange rate of selling rate of State Banl of India 28 days prior to date of submission of Tender". Please note that in case exchange rate for the purpose of payment of foreign currency is considered at the exchange rate prior to bid submission, then it will defeat the purpose of quoting in foreign currency (for imported items). We request you to kindly confirm that for the purpose of bid evaluation Foreign currency portion shall be converted to INR at the selling rate of exchange at the close of business of the State Bank of India 28 days before the latest date of submission of tender. However for the purpose of payment of Foreign currency portion to the Contractor, exchange rate shall be considered at selling rate of State Bank of India as on the date of payment. Kindly confirm.</p>	<p>Tender Condition are self explanatory. No Change in Tender Condition.</p>
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110	Vol-2 SCC	Page 17 of 28 Cl. No. 24.C	The contract price shall not be adjusted to take into account any change in taxes, duties, levies or introduction of any new tax, duty or levy till the completion date including the date of extended period of contract.	We have noted that the statutory variation in taxes and duties is not to the account of Employer. We would like to bring to your kind notice that changes in taxes & duties are happening almost every year, also it is likely that GST (Goods Service Tax) may be introduced any time soon. It is very difficult to predict the changes in statutory variation in taxes & duties. We also would like to bring to your notice that in all the previous projects Phase- 1, 2 & 3 tenders, changes in statutory variation was to the account of Employer only. In view of the above explanation, we request you to kindly accept that "any changes in taxes & duties during project duration shall be to the account of DMRC."	No Change in Tender Condition.
111	Vol-2 GCC	Page No. 41 of 66 Cl. No. 8.5	Time is the essence of the contract.....The aforesaid liquidated damages do not, however, include the sums payable by the Employer to Designated Contractors on account of delay caused by the Contractor to Designated Contractors which sums shall be recoverable from the Contractor in addition to any liquidated damages payable under this clause, the total ceiling limit of which is 15% of the contract value including liquidated damages levied under the provision of Appendix 1 to the Form of Tender.	LD shall be the sole remedy and the maximum ceiling stipulated ie., 15% of Contract Value is too high. We request you to kindly modify the same to ceiling maximum of 10% of undelivered portion of Contract Value.	No Change in Tender Condition.

112	Vol-1 FOT Appendix - 1	Page No. 89 Cl. No. (iv)	0.5% of Contract value per week of delay.	We request you to kindly modify the clause as follows, "liquidated damage shall be levied at 0.5% of the undelivered portion milestone value per one week delay with an upper limit of 10% of the undelivered portion contract value.	No Change in Tender Condition.
113	Vol-1 ITT	Page No. 20 Cl. No. A1.6	The Contractor shall be required to interface closely with Delhi Transco Limited(if required) ,Municipal Corporations, NOIDA Authorities, UPCCL, Traction Contractor, other Contractors & DDCs of DMRC, DMRC and adjacent civil authorities	We request you to please clarify the abbreviation of UPCCL.	Uttar Pradesh Power Corporation limited.
114	Vol-2 SCC	Page 24 of 40 Clause No. 25 (GCC Sub Clause 11.1.3)	Prices quoted by the tenderer shall be fixed throughout the Tenderers performance of the contract and not subject to variation of any account except where specifically mentioned in the contract.. Cl. No. G, Vol-7, Page 4 of 47, PV is applicable only for Traction & Auxiliary Main Transformers.	In view of volatility in raw material prices and the long project duration of 24 months, we request you to kindly consider IEEMA/LME Price Variation clause for the following major equipment with the base date as on one month prior to date of bid submission. (i) 132KV cable, 33KV cable (ii) 33KV & 25 kV Switchgear & transformer Kindly accept and confirm.	No Change in Tender Condition.
115	Vol-2 Schedule-9	Page No. 1 to 5	Schedule-9 Guarantee for Safe Custody	We would like to bring to your kind notice that in Sch-9, Guarantee for Safe Custody is referred to Cl. No. 59 of SCC. However in SCC, Cl. No. 59 is nil "Not used". Hence we presume Guarantee for Safe Custody as null & avoid. Please confirm that our understanding is correct.	Confirmed

116	Vol-2 Schedule-9	Page No. 2 to 5 Cl. No. (B)	Pursuant to the terms of the Contract, the Contractor, as a condition precedent to his entitlement to receive any payment for items including an element of [Note 4] Contract [] to the Contractor's premises in Delhi, is obliged to provide a Guarantee in the terms hereof for 95 percent of the Payment.	We would like to bring to your kind notice that as already Performance Security of 10% of Contract Value is stipulated in the tender which is a sufficient deterrent for performance of the Contractor. Over and above this the requirement of "Safe Custody Bank Guarantee for 95% of the amount due as per relevant BOQ" adds to heavy financial burden on the Contractors. This will make all the Bidders to load high amount of BG charges in the price bid and will make the whole process of tendering uncompetitive. Hence we request you to kindly waive the requirement of Safe Custody Bank Guarantee.	Confirmed
117	Vol-3 Chapter-6	Page G8 1 of 2	All Control & Monitoring Software has to be provided to the Employer in the following formats i) Source Code	The softwares being supplied as part of Substation Automation System are not open source based, they are proprietary softwares owned & registered by OEMs with all necessary rights reserved under registration of Intellectual Property Rights. Hence the source code can not be shared which may lead to breach of Intellectual Property Rights. We request you to kindly delete the requirement of source code.	No Change in Tender Condition.

118	Vol-2 SCC	Page No. 15 of 28 Cl. No. 22 Sub Clause 9.1	If some part of work is not completed along with rest of the contract and the Employer agreed for such splitting of work in writing, the Taking Over Certificate can be issued for that part of work which has been completed and accepted by the Employer. However such splitting of work...	<p>In case of delay in Taking Over of the Project in full or part by DMRC, due to the reasons not attributable to the Contractor, beyond 30 days of notice being issued to DMRC by contractor, the project in full or part will be considered as "Deemed Taken Over" by DMRC at the end of such period and balance payments due will be released.</p> <p>The Warranty/DLP period will start from such date of Deemed Take-Over. Please confirm</p>	. No Change in Tender Condition.
119	Volume 1 ITT	Page 32 Clause No. C 2.11	If the employer so decides, he may supply some items of Pricing Document to the contractor as "Employer supply items" and in such an event the Contractor shall not be allowed to claim payment for such items. The Employer shall notify a list of such items within three months of the placement of the Contract.	As the Contract Package'NE-02' is a fixed Lump Sum Price Contract, this clause shall not be applicable. Hence kindly delete this clause.	No Change in Tender Condition.

120	Volume 3 & Volume 7 Chapter-2 & Vendor approval procedure	Page G8 5 of 12 & Page 47 of 47 2nd para & Clause No. 2	Volume - 3: The Contractor should ensure that the equipments/systems proposed for elevated/at-grade/ underground sections shall be, as far as possible, similar to the ones approved for Phase-I/ Phase-II/Phase-III lines. In case this is not possible, the proposed equipment /system should have been used atleast 5 years on any metro. Volume - 7: Proposed Systems/ sub-systems shall have been in use and have established their satisfactory performance and reliability on at least Two mass rapid transit systems (including Railway or Airports) in revenue service over a period of three years or more either outside the country of origin at an average in two different countries or in DMRC.	The requirement of Proven Design of Systems & Sub-systems are contradictory in both the Volumes as shown. Kindly check. The criteria stipulated under Cl. No. 2 of Vol-7, Vendor Approval Procedure is highly restrictive and is against the spirit of tendering process. The tender being floated under International Competitive Bidding (ICB), DMRC should encourage to allow more number of OEMs to participate, thereby creating ideal situation for competitive bidding. In view of the explanation given above we request you to kindly modify the clause as follows."The System, including all Sub-systems and Equipment shall be of proven design practice. Sub-systems and Equipment of similar design philosophy shall have been in use and have established their performance reliability on at least one Mass Rapid Transit System or Suburban Railway System or any Power Utilities Project in Revenue Service over a period of at least two years. "	No Change in Tender Condition.
121	Vol-4 Chapter-5	Page No. 9 Cl. No. 3	Schedule of Access Dates	Kindly furnish the Schedule of Access Dates for each section or confirm when the access for each section shall be given to Contractor.	Land is already available
122	Vol-7 Statement -C	Page no. 12 of 47 KM: 0 & KM: 30	Brief description of key dares for sections	Kindly clarify what is the meaning of KM: 0 - Noida Sec-71 & KM: 30 - Greater Noida Depot?	KM:0 stand for Chainage Zero and KM:30 chainage 30

123	Volume 2 GCC	Page 42 of 66 Clause No. 9.2	The Engineer may, at the sole discretion of the Employer issue a Taking Over Certificate for any part of the Permanent Works by following the procedure stipulated in Clause 9.1 above if: (a) the Employer uses that part of the Works for revenue service before the Taking Over Certificate is issued for the entire work. (b) the balance part is not completed not due to the fault of the contractor and contractual date of completion for the completed part is over.	Kindly confirm that the issue of a Taking Over Certificate for the part of the Works shall not be withheld if the Employer is not in a position to use that part of the Works for revenue service due to the reason which are not attributable to the Contractor	No Change in Tender Condition.
124	Volume 2 GCC	Page 59 of 66 Clause No. 14.8	..... The total liability of the Contractor to the Employer under the Contract shall not exceed the Contract Price.	Kindly reduce the Limitation of Liability from 100% of the Contract Amount to 10%.	No Change in Tender Condition.
125	Volume -4 PS, Chpater- 8B, Technical Sheets	Page 34 Cl. No. 30, 32 & 33	Rated lightning-peak withstand voltage - 250 kV	We would like to bring to your kind notice that there data sheets furnished for only 25KV CT, VT & Lightning Arrester. Kindly we request you to furnish the data sheet for 25KV circuit breaker. Also please note that only one OEM satisfies the requirement of 250kV Impulse Withstand Voltage (BIL) level which is the requirement of this tender also. We request you to relax the Impulse Withstand Voltage (BIL) level to 200kV as this requirement shall be met by a No. of Suppliers. This shall help in reducing the overall bid price and shall help in bringing all the competitors to a level playing	Kindly Refer Addendum No.-3

				ground.	
126	Volume 7 Pricing Document	Page 3 of 47 Clause No. C.3	The price shall not be unbalanced therefore, the price quoted for S1 & S2 in the Cost Center-C (Installation and Site Testing) and Cost Center-E (System Acceptance Tests, Integrated Testing and Commissioning) shall not be less than 15% and 10% of the price quoted in the Cost Center-B (Manufacture and Delivery).	We would like to bring to your kind attention that the minimum % indicated by you are too high for Cost Center -C & E. Kindly reduce the minimum % indicated, with which the prices for Cost Centers C & E to be quoted to avoid the unbalanced bid, as given below. Cost Center - C (Installation and Site Testing) - 10% of the price quoted in the Cost Center - B (Manufacture and Delivery) & Cost Center - E (System Acceptance Tests, Integrated Testing and Commissioning) - 3% of the price quoted in the Cost Center - B (Manufacture and Delivery)	No Change in Tender Condition.

127	Vol-1 SCC, Schedule-10	Page 1 to 3	Comprehensive Maintenance Contract	We would like to bring to your kind notice that Sch-10, CAM refers Cl. No. 61 of SCC, however there is no such clause in SCC. Hence we presume that Sch-10 as null & void. Kindly confirm whether our understanding is correct.	Kindly Refer Addendum No.-3
128	Volume 2 SCC	Page 17 of 28 Clause 24 D (b)	b) UP VAT return forms of the contractor for the relevant period/periods along with detailed statement in applicable form & copy of all Challans of UP VAT in regard to deposit of tax.	We have various project in Uttar Pradesh State and projects wise UPVAT registration no is not applicable. Therefore, we have single UP VAT registration no. Accordingly, the UP VAT form (as stated in sub-clause b of Clause 3.6. Para 2) will contain the turnover/details for all the projects of UP State. Therefore, this sub-clause may be deleted.	No Change in Tender Condition.
129	Vol-7 'Statement D	Page 24 of 47 'Note	Corridor S2 - Sector-153 Noida RSS	We presume that the Payment for all EHV, HV & LV cables will be made against the Quantity supplied on per km basis. Please confirm not on quantity laid. Please note that laid quantities of cable shall not be equal to the quantity laid because of wastage during jointing, undulation in the land profile, etc.	No Change in Tender Condition.
130	Volume 2 GCC	Page No. 39 of 66 Cl. NO. 8.4.2	Extension of time for completion of works	Contractor shall be compensated for any price escalation during extension/delay period for the reasons not attributable to Contractor.	No Change in Tender Condition.
131	General		--	Please clarify whether the equipment under this project can be shipped on High Sea Sales basis?	No Change in Tender Condition.

132	Genral		UPVAT/Central Sales Tax on the complete finished trains as well as complete finished equipments manufactured locally.	Please clarify whether DMRC shall issue 'C' form for obtaining Consessional Sales Tax for inter-state transaction on sale in transit basis.	No Change in Tender Condition. C- form will Not be issued by DMRC
133	Vol-4 Chapter-6	Page No. 14 Cl. No. 6.2	MOCK-UP FOR TRAINING The Contractor shall install mock-up equipment for system and any such facility(s) considered necessary for the training of Employer's staff in the training school and if equipment is different from the ones already in use on DMRC Phase I & Phase-II lines.	We request you to kindly specify the list of mock-up equipment to be supplied & installed, in order to bring all the bidders at par.	No Change in Tender Condition.
134	Vol-3 Chapter-6	Page GS 2 of 15	Equipment issued by the Employer shall not be subject to TypeTests or First Article Inspection however the Contractor shallundertake Inspection as referenced in clause 7.1 above. Shouldthe Employer's issued equipment be subsequently incorporatedinto another manufactured item then the whole item shall besubject to both Type Tests and First Article Inspection.	Kindly confirm that repetition of type tests & short circuit tests will not be required in those cases where the Contractor can produce certified evidence that the required type tests& short circuit tests have been performed successfully on identical equipment or equipment which is, for practical test purposes, similar. Type test should have been obtained/ certified / witnessed from any of the following test laboratories,1. CPRI, Bangalore2. KEMA, Holland3. EDF, France4. Hydro Qubec, Canada5. CESI, Italy6. IPH, Germany7. CRIEPI, Japan8. STRI, Sweden or any accredited laboratoryKindly confirm.	No Change in Tender Condition.

135	Vol-4 Chapter- 8A	Page No. 131 Cl. No. 4.2.7.1 4.2.7.1.1 (3)& 4.2. 1 5.7	Offers should be supported with type test certificates from test laboratories of repute, as per IEC/KEMA specifications, failing which the offers shall be ignored.	<p>We would like to clarify that any accredited test laboratory located in any country is accredited by Laboratory Accreditation Authority of that country which is a member of International Laboratory Accreditation Cooperation (ILAC), in that case any utility should not have any reservation of nonacceptance of a test report issued by any accredited test laboratory but not listed in the specification. For example India's NABL is member of ILAC which has accredited CPRI. Similarly ACCREDIA, Italy is member of ILAC which has accredited CESI, Italy. JAB, Japan is also ILAC member which has accredited CRIEPI, Japan. In view of the explanation given above DMRC is requested to accept if Type Test & short circuit test report has been obtained/ certified / witnessed from any of the following test laboratories,</p> <ol style="list-style-type: none"> 1. CPRI, Bangalore 2. KEMA, Holland 3. EDF, France 4. Hydro Qubec, Canada 5. CESI, Italy 6. IPH, Germany 7. CRIEPI, Japan 8. STRI, Sweden or any International Accredited Laboratory. <p>Kindly accept.</p>	No Change in Tender Condition.
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136	Vol-7 Cost Center-F	Page No. 36 of 47 Sl. No. 7 to 10	Addition / Deletion of items rate	We presume that the unit m / Nos. corresponds to only single phase requirement. Which means Bidders are required to quote for only 1 run of 132KV cable not for 3 phases. Kindly confirm.	Confirmed
137	Vol-2 SCC	Page No. 20 Of 28 Cl. No. 35	The quantities of items shown in the Bill of Quantities are approximate, and liable to vary during the actual execution of the work. The Contractor shall be bound to carry out and complete the stipulated work irrespective of variation in individual items, at the same rate as specified in the Bill of Quantities subject to variation in the value of the Contract being limited to 25% of the total original/enhanced value of the contract. The variations can be implemented anywhere in the network of DMRC.	We presume that during implementation in case of any quantity variation item rates shall be followed as per Cost Center-F Addition / deletion of items rate. Kindly confirm.	No Change in Tender Condition.

B.ELECTRICAL

138	Volume-4 - Chapter-8A	Page no 13 Clause 2.1.1.1.8	Supply, erection, testing and commissioning of all items of work required to make the HV bays(66kV) fully functional.	We presume that the mentioned abstract to be removed, as the same is not relevant to NE-02 contract. Kindly confirm	Kindly Refer Addendum No.-3
139	Volume-4 Chapter-8A	Page no 18 Clause '2.1.5 & 2.1.7	33kV/415 V dry type transformer this specification defines the main technical characteristics required for the 33000/415-240V, 100kVA dry type transformer to be used in auxiliary main substations (AMS) or required.	We would like to bring to your kind notice that there is discrepancy in the rating of RSS auxiliary transformer. Kindly clarify the rating of auxiliary transformer shall be 100kVA or 200kVA, as the specification calls for two different ratings	100KVA, PI refer addendum-3

140	Volume-4 Chapter-8A Typical Single Line Diagram for RSS cum AMS & TSS	Page no 80 Clause 3.2.1.2	A back up high speed full scheme distance protection with at least three zones should be possible to include in order to get fault clearance in case of communication failure,.....	Line distance protection is not shown in Typical SLD for RSS cum AMS & TSS, however as per the high voltage protection line distance protection is mentioned. Kindly clarify the requirement of protection for line feeders.	Differential protection/distance as main and Over current and earth fault backup protection.
141	Typical Single Line Diagram for RSS cum AMS & TSS	–		87* is mentioned in SLD & notes is not clearly mentioned about the "*" requirement. Kindly clarify	Differential protection.
142	Volume-4 Chapter-8A	Page no 8 &125 Clause 1.3.2 &4.2.4.6	Short circuit current - 22kA for 1secthe metallic sheath shall be able to carry a short circuit current of 31kA for 132 cables for 3sec.	We would like to bring to your kind notice that there is discrepancy in the short circuit rating of 132KV system. Kindly clarify whether the short circuit current rating for 132kV system shall be 22kA for 1 sec or 31.5kA for 3sec.?	(i).Kindly refer addendum-3 (ii) for cable sheath. Please follow tender condition.
143	Volume-4 Chapter-8A	Page no 175 Clause 6.1.4	All metering data inclusive of above parameters shall be transmitted/communicated to SAS in RSS and also to SCADA in OCC through OFC medium for trends and reports.	We presume that the OFC cable connecting between RSS and OCC is not in our scope of supply. Kindly confirm	Please follow Tender Conditions as per Vol-4 clause 3.2 table 4.2 SI No.-14
144	Volume-4 'Chapter-8A	Page no 190 Clause 8.5.6.11.4	they shall be of sealed wall mounted type, with four poles plus central ground rated for 16A and 500V AC.....	We presume the supply for power supply shall be 415V AC supply. Kindly confirm	Please follow tender condition
145	Volume-4 Chapter-8B	Page no 17 Clause 12.1 & 12.6	cable size(minimum) 630sqmm number and cross sectional area of conductor 1Cx800sqmm	We would like to bring to your kind notice that there is discrepancy in the size of 132KV cable. Kindly clarify whether the cable size shall be 630sqmm or 800sqmm?	Kindly Refer Addendum No.-3

146	Volume-4 'Chapter-8B	Page no 19 Clause 13	-	Kindly provide us the datasheet for 33kV, 3Cx95sqmm cable.	Kindly Refer Addendum No.-3
147	Volume-4 'Chapter-8A Chapter-8B	'Page no 30 & 21 Clause 2.1.5.1.19 16	i)their insulation level shall be suitable as per primary voltage of transformer. ii) Rated insulation voltage 108kV	we presume that the insulation level voltage for primary neutral isolator shall be 132kV. Kindly confirm	Kindly Refer Addendum No.-3
148	Volume-4 Chapter-8A	Page no 122 Clause 4.2.2.1	Multiple runs of cables to be provided as per current carrying capacity.	kindly furnish criteria for sizing the EHV cable.	Bidder has to design as per current carrying capacity considering all derating factors.
149	Volume-4 'Chapter-8A	Page no 180 Clause 8.5.1	the control room building shall be multistoried with the provision of one number six passenger lift and.....	Kindly furnish the detailed specification for lift.	Kindly Refer Addendum No.-3
150	General	--	Solar system / module on RSS	Kindly clarify whether Contractor is required to provide Solar System / modules in order to meet Green Building status for Receiving Substation building. If yes, kindly provide the detailed specification for the same and specify the rating (Wp) to be considered, in order to bring all bidders at par.	Solar system to be provided by DMRC.
151	General	--	Gas flooding system at AMS	(i) We request you to kindly clarify, whether Gas flooding system shall be of "Firetrace type" i.e., Linear Heat Sensing Tube (LHST), for ACDB, DCDB, auxiliary transformer at Auxiliary main substations? (ii) Please provide the specification for the gas flooding system?	Please follow tender condition

152	General	--	EOT crane capacity	Kindly stipulate the minimum capacity of Electric Overhead Travelling (EOT) crane to be considered for GIS installation, maintenance purposes.	Minimum 5T EOT crane with VVVF drive
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C. CIVIL & STRUCTURAL

153	Volume-3 - General Specifications 'Chapter 15 - Site establishment & Attendance	'Page no 3/5 Clause '15.6.7	The Contractor will be required to provide suitable accommodation for Employer's representative in Contractor's site office/work site.	We propose to provide Pota-Cabin Office for the area as required.	No Change in Tender Condition.
154	Volume-4 - Particular Specifications	Page no 129 Clause '4.2.6.2.1	<p>Cases</p> <p>The EHV Cables between the Power Supply Authorities Substation and the DMRC RSS shall be laid in ground depending upon the site conditions of the selected route, any of the following paying conditions, may be adopted</p> <p>Case 1 & Case 1A – Not Used.</p> <p>Case 2 – Direct buried, with the cables (3) of each circuit laid in trefoil formation and side by side in one trench.</p> <p>Case 3 – Laid in underground duct.</p> <p>Case 4 – Laid in Trench less piping.</p> <p>Case 5 – Laid in abutment crossing</p> <p>Case 6 – Laid in Rail Track crossing</p> <p>Case 7 – Laid in Air, supported on piers/walls, for nallah-crossing</p>	As per the descriptions of the clauses, the cable laying has to be done as per the respective clauses and conforming to attached tender drawings. However, tender drawings pertaining to the various cases of cable laying were not attached with the tender documents. We request you to kindly furnish the same in order to estimate the quantities involved in the works.	Site for RSS and GSS is available, bidder has to visit the site and ascertain the quantity.

155	Volume-4 - Particular Specifications 'Chapter - 4 - Cabling	Page no 130 Clause 4.2.6.2.5	On all abutment crossing or in air, supported on piers/walls, for nallah crossing and at other specific locations, cable laying shall be on the galvanized steel structures which can withstand wind velocity of 160kmph, supported on piers and have sufficient structural strength. The minimum average weight of zinc coating should be 1000g/m ² (RDSO). The cables should be well protected by providing GI sheet of thickness 8mm at-least fastened with nuts and bolts & tag welded on all sides to be protected from any pilferages. The arrangement shall render cable absolutely safe from any natural calamity. The cable shall not be exposed or get affected due to stray fire caused in the vicinity. In case of nallah crossing or crossing of water body, the erected structure shall not obstruct the water flow. The attention of bidder is specifically invited to the nallah crossing near Sector 82.	<p>Kindly confirm whether the galvanised steel structure provided for cable supports needs to be provided with a maintenance walkway. If yes, kindly indicate the width and height of maintenance walkway to be provided.</p> <p>Also, we felt that there is a typographical error in the specifications regarding the thickness of GI Sheer and that it should be read as 0.8mm instead of 8mm. Please clarify.</p>	Kindly Refer Addendum No.-3
156	Volume-4 - Particular Specifications 'Chapter - 8 - Technical description Section 8 - Civil Works	Page no 179 Clause 8.1	The plot area for construction of RSS shall be approx 2000Sq.m.	Kindly indicate the size of the plot (Length x Breadth) along with the plot plan with respect to the approach road, in order to check feasibility of setting up the substation and to estimate the quantities involved in the same.	Plot size is 80 mtr x 50 mtr but RSS to be constructed in 2000sqm.

157	Volume-4 - Particular Specifications 'Chapter - 8 - Technical description Section 8 - Civil Works	Page no 179 Clause 8.1	All necessary steps shall have to be taken by the contractor and requirements fulfilled so as to obtain the Green building Certification (IGBC certification with Super platinum rating) for RSS building.	We wish to inform that it may not be possible to conform to certain rating points defined by IGBC such as use of recycled materials, Site selection criteria, Day-lighting and natural ventilation criteria, etc as the RSS building has to conform to the various Electrical and Functional requirements. Can the certification level be at "Certified" category instead of "Super Platinum" category which will be more appropriate for industrial buildings.	Please follow tender condition
158	Volume-4 - Particular Specifications Chapter - 8 - Technical description Section 8 - Civil Works	Page no 180 Clause 8.5.1	The RSS Contractor will have to submit the General Layout of the Control Room Building to accommodate all equipments required for completion of RSS work in such a way that total area of layout is not more than 2000sqm. The control room building shall be multistoried with the provision of one number six passenger lift and emergency staircase.	Kindly confirm whether the contractor is free to decide the layout of the building subject to his optimisation or whether some minimum requirements have to be adhered to regarding the space and positions of respective rooms. If yes, kindly indicate the same.	Layout may be optimised subject to meet all statutory and CEA rules and regulations.
159	Volume-4 - Particular Specifications Chapter - 8 - Technical description Section 8 - Civil Works	Page no 182 Clause 8.5.6.1	The cable cellar is to be provided for GIS Building	We propose to position the cable cellar in the ground floor such that the GIS shall be located on the first storey. Kindly confirm.	This is a design & Built Contract.

160	Volume-4 - Particular Specifications	Page no 182 Clause 8.5.6.3	Internal doors shall be Three hours fire rated.	As per the practice followed by most state and central utilities, we propose to provide doors with 2 hours fire rating instead of 3 hours fire rating. Please confirm.	Kindly Refer Addendum No.-3
161	Volume-4 - Particular Specifications Chapter - 8 - Technical description Annex 1 - Civil Works	Page no 4 Clause 3.2.1	The cement used shall be of the following types: (a) 43 grade Ordinary Portland Cement conforming to IS:8112- For Plaster/Mortar (b) 53 grade Ordinary Portland Cement conforming to IS:12269- For Concreting work	We propose to use PPC (Portland Puzzolanic cement) also in order to conform to Indian Green Building Council (IGBC) standards. Please confirm.	No Change in Tender Condition.
Que	Volume	Clause , Page	Brief Description of Clause/ para No.	Query Raise	DMRC Reply
No.	Section	No.			
162	Vol – I NIT	1.1.3 Source of Funds Page 2	Source of Funds: Memorandum of Understanding has been signed between Noida Metro Rail Corporation (NMRC) and Delhi Metro Rail Corporation (DMRC) for execution of the Metro work of Noida- Greater Noida corridor, with execution being done by DMRC. Funds shall be provided accordingly. This is a NON-JICA funded contract.	Kindly provide the status of fund allotted.	On behalf of NMRC, DMRC shall be handling the contract and shall be releasing the payment as per contract.
163				Kindly provide the status of Land Acquisition for two RSS at Sector-83 and Sector 153	Already available.

164	Vol - I NIT	1.1.4.2 Minimum Eligibility Criteria Page 9	If the bidder is a JV/Consortium and has a foreign partner and above work(s) have been done by the foreign partner of JV and such work(s) were done in the country of the foreign partner then in addition to this, the foreign partner must have done at least one work of value Rs. 40.00 crores or more of similar nature (i.e. any Electrical engineering work of infrastructure related project) outside the country of origin of the foreign partner.	If the bidder in JV is a foreign partner then the experience of similar works shall be sufficient and therefore request you to kindly allow the foreign partner to have similar work in their own country itself.	No Change in Tender Condition.
165	Vol - I NIT	1.1.4.2 Minimum Eligibility Criteria Page 10	In case the work(s) listed under A(i),(ii) or (iii) do not include Laying testing & commissioning of at least a kilometer of HT cable (132KV or above) works, then the tenderer or any of its constituent member in case of JV/ consortium should have executed any other work of laying, Testing and Commissioning of HT cable laying (132 KV or above) works of at least one kilometer length.	Request to kindly allow sub-contractor for HT Cable Laying as in previous tenders of DMRC also, Specialized sub-contractor having experience in Cable Laying was allowed.	No Change in Tender Condition.
166	Vol - 2 SCC	Clause 25 SubClause 11.1.1 Page 17 of 28	C) Change in Taxes/Duty : The contract price shall not be adjusted to take into account any change in taxes, duties, levies or introduction of any new tax, duty or levy till the completion date including the date of extended period of contract.	As GST is expected to be implemented in coming future and may impact drastically on our overall quoted prices. Request you to kindly allow change in law clause as it may impact heavily.	No Change in Tender Condition.

167	Vol - 2 SCC	Clause 25 SubClause 11.1.3 Page 17 of 28	Price Variation Prices quoted by the tenderer shall be fixed throughout the Tenderers performance of the contract and not subject to variation of any account except where specifically mentioned in the contract conditions along with the price variations formula to be made applicable.	Request you to kindly allow price Variation clause since the project duration is 24 months and Copper/ Aluminium/Steel prices may vary drastically resulting into huge impact financially. Also, major items being of Copper kindly allow PV.	No Change in Tender Condition.
168	Vol - 2 SCC	Clause 26 SubClause 11.2.1 Page 18 of 28	Mobilisation Advance Mobilisation advance shall be equal to 10% of the contract value. The advance shall be paid in two instalments of 5% each.	We hope that the Mobilization Advance payed will be interest free. Kindly confirm.	No Change in Tender Condition.
169	Vol-7 BOQ	Notes Page 24 of 47	**Note:- . Bidder has to quote the price of EHV cable for 3km (six run of 500m each length). The payment for EHV cable shall be made on the basis of prorata as on actually laid.	Kindly clarify the note. We believe that payment against EHV cables will be paid as per supply and not as per laying.	As per actually laid only.

S.N o.	Volume, Section	Clause No. Page No.	Short Description as per Tender Document	Queries by Firms	Reply By DMRC
170	General			Please provide Rout plan for EHV cables	It is design & build contract
171	General			Please provide Plot plan for proposed RSS.	Kindly Refer Addendum No.-3

172	vol-1 NIT	1.1.4.1 (II) (a)	A non-Indian firm is permitted to tender only in a joint venture or consortium arrangement with any other Indian firm having minimum participation interest of 26% or their wholly owned Indian subsidiary registered in India under Companies Act 1956 with minimum 26% participation	We as an indian company is interested in bidding for the project in a JV/Consortium with our parent foreign company. It may be noted that our parent company is a company incorporated under the laws of Spain and Indian subsidiary is a duly incorporated entity in India. Further, Parent company holds 51% of the shareholding in Indian subsidiary. The minimum participation of each party in the JV/consortium shall be 26%. Kindly clarify, that Parent company can bid for the project in a JV/consortium arrangement with indian subsidiary under the terms of paragraph 1.1.4.1 of the NIT."	Tender Condition are self explanatory. No Change in Tender Condition
173	Vol. II SCC	Clause No. 59	Not Used	As clause no 59 of SCC is indicated as "Not used", we understand that Safe custody guaranty is not required. Please confirm	Confirmed
174	Vol. 7	Clause G	Prices quoted by the tenderer shall be fixed throughout the Tenderer's performance of the contract and not subject to variation on any account except Traction and Auxiliary Transformers.	As per vol. 7 PV is applicable for Transformers only. Since the rate of the cables are varying very rapidly, it is requested to allow PV for Cable also.	No Change in Tender Condition
175	Vol. 7	Clause G	.....benchmark of 180 days or on as actual date whichever is less.	It is requested to allow PV at actual.	No Change in Tender Condition
176	Vol. 7	Annexure B		It is requested to provide latest IEEMA for PV	Please Follow tender conditions

Sr. No.	Section, Volume	Clause No. / BOQ Sr. No. ,Page No.	Description	Query	Clarification
177	Vol-1	—	Construction of contract.	Kindly confirm that the Contract to be entered into will be treated as a divisible Design, Civil, Supply, Erection & AMC Contract.	No Change in Tender Condition
178	Vol-1	E4 Page No.	Evaluation of Tenders : Only Technical Tenders and alternative Technical Tenders read out at tender opening shall be considered for evaluation. No tender shall be rejected at the opening of Technical Tenders except for late tenders, in accordance with Clause D2.	Kindly confirm that the alternative technical bids are also invited.	No Change in Tender Condition
179	Vol-2	8.5 Page No. 41	Liquidated Damages for Delay : The liquidated damages are recovered by the Employer from the Contractor for delay and not as penalty.	Kindly provide penalty clause.	Tender Condition are self explanatory. No Change in Tender Condition

180	Vol-2	8.5 Page No. 41	Liquidated Damages for Delay : The aforesaid liquidated damages do not, however, include the sums payable by the Employer to Designated Contractors on account of delay caused by the Contractor to Designated Contractors which sums shall be recoverable from the Contractor in addition to any liquidated damages payable under this clause, the total ceiling limit of which is 15% of the contract value including liquidated damages levied under the provision of Appendix 1 to the Form of Tender.	Sums recoverable from the Contractor on account of delay; payable by the Employer to Designated Contractors is an open clause / without any ceiling limit. We request that the LD ceiling limit to be 5% of contract value only; which shall be inclusive of any sums payable by the Employer to Designated Contractors on account of delay and penalty.	Tender Condition are self explanatory. No Change in Tender Condition
181	Vol-2	1 Page No.105	Contract document : Order of precedence.	Kindly provide order of precedence of the contract documents.	Pl refer clause 1.5 GCC
182	Vol-2	C Page No. 91	Change in Taxes/Duty	We request to accept that the contract price shall be adjusted to take into account any change in taxes, duties, levies or introduction of any new tax, duty or levy till the completion date including the date of extended period of contract. Bid being lump sum kindly clarify whether GST shall be adjusted accordingly in contract price.	No Change in Tender Condition
183	Vol-2	25 - 11.1.3 Page No. 91	Price variation	Requesting to accept price variation as per IEEMA applicable from the date of award of contract.	No Change in Tender Condition
184	Vol-2	17.9 Page No.67	Arbitration	We request that the arbitration to be conducted by three arbitrators; one each nominated by the contractor and the employer and the third to be appointed by	No Change in Tender Condition

				both the arbitrators. Please confirm.	
185	Vol-2	7 Page No.124	Contractor's warranty	We understand that the warranty period shall be 24 months from the last date of taking over of section of work for all the equipment / machinery / materials.	Tender Condition are self explanatory. No Change in Tender Condition
186	Vol-2	7 Page No.124	Contractor's warranty	Kindly confirm " section of work ". Please provide appendix to for of tender as a section as mentioned in 1.1.6.6 pg. No. 12.	Please follow tender condition.
187	Vol-4	2 Page No.21	Supply, Installation, Testing and Commissioning of lighting masts and lightening protection masts	As per chapter 8A, clause 5. EARTHING, clause 5.1.6.5, The entire Substation shall be protected against lightning by providing either earth screen conductors on tower peaks, or by means of Lightning Protection masts suitably spaced to cover the entire area. Please confirm whether both need to be considered or any one.	Only lightning Mast with spikes
188	Vol-4	2.1 Page No.22	Broad item works in RSS	Please confirm whether seperate room is require for RSS, AMS and TSS or it will accomodate in the same RSS room of GIS building.	Design and build contract.
189	Vol-4	2.2 Page No.22	In general the RSS Contractor is responsible for all works within the RSS premises and its related EHV cabling work from Grid Substation (GSS) to DMRC RSS, except for the items of work, which are specifically excluded from the RSS Contractor's Scope and which would be carried out by other Agencies.	We have considered length mentioned in the Table-1 under clause 4 cabling system. Any changes in length during execution shall be paid accordingly by DMRC.	Please follow tender condition.
190	Vol-4	2.2.1 Page No.22	Civil Work	Kindly provide soil testing reports.	Design and build contract.

191	Vol-4	2.1.1.1.8 Page No.108	Supply, erection, testing and commissioning of all items of work required to make the HV bays (66 kV) fully functional.	As per SLD and scope of work, there is no 66kV system. Kindly confirm.	confirmed. Kindly Refer Addendum No.-3
192	Vol-4	2.1.1.1.1 Page No.107	Current Transformer – 1 No.	Kindly confirm whether three phase CT is to be considered or 3 nos single phase CT.	132KV GIS is 3-phase (RYB), CT to be provided individually for each phase.
193	Vol-4	2.1.5.1.10 Page No.118	Transformer losses.- Capitalized cost.	Requesting to provide maximum losses for all transformers.	Please follow tender condition.
194	Vol-4	3.2, 3.2.1.1 Page No.174	Differential Protection OR Line Distance Protection for 132KV cables as per required length of cable suitable for relay technical parameter.	Requesting to provide the length.	Differential protection with distance protection feature in same relay
195	Vol-4	2.1.6.1 Page No.132	1 Auxiliary circuit breaker for RSS located in/near depot.	Not mentioned in the SLD provided. Please confirm / provide.	Kindly Refer Addendum No.-3
196	Vol-4	2.1.8.2 Page No.145	Distribution of the low voltage circuits shall be provided with three specific cabinets, one for the half sub-station one, the other for the half sub-station two, each supplied by the corresponding auxiliary transformer. These both cabinets are respectively called LVSB1 (Auxiliary Board 1) and LVSB2 (Auxiliary Board 2). The third one shall be dedicated to the coupling and to the supply of the rectifier two.	Please provide SLD with Legend for 3 nos LVSB	Design and build contract.
197	Vol-4	2.1.9.7 Page No.155	110V DC distribution board	Please provide SLD with Legend for DCDB	Design and build contract.
198	Vol-4	2 Page No.22	One set of UPS for the emergency or control power supply.	Kindly provide Main UPS capacity .	Design and build contract.

199	Vol-4	4 Page No.215	Cabling, HV Cables from the TRANSCO Substations to the RSS Contractor will provide these cables and terminate them at the Indoor/outdoor cable end boxes with bushings to be provided by the RSS Contractor, at the RSS.	Cable termination only in RSS side shall be in RSS contractor scope. Other side (Transco substauion side) shall be in TRANSCO scope. Please confirm.	Both side in scope of NE02 contractor
200	Vol-4	4 Page No.215	This specification defines the objectives, guidelines and requirements for Supply, laying, testing and commissioning of High Voltage Cables 132 kV from the Grid Substations (GSS) of Power Supply Authorities (PSA) to the Receiving Substations (RSS) of DMRC, or for use at any other locations as required.	We have considered length mentioned in the Table-1 under clause 4 cabling system. Any changes in length during execution shall be in DMRC's account.	Please follow tender condition.
201	Vol-4	2, 2.2.1, 4 & 4.2.6.2.1 Page No.	In clause no 2.2.1 CIVIL WORKS, it is mentioned "design and construction of the AMS and control room building complete in all respects and cable paths and cable trenches in the Switchyard, as well as inside the AMS room and control room." In cl no 4.2.6.2.2, it is mentioend, "The EHV Cables between the Power Supply Authorities Substation and the DMRC RSS shall be laid in ground depending upon the site conditions of the selected route, any of the following paying conditions,"	Please confirm scope of cable trench between Power supply authorities substation and DMRC RSS.	Please follow tender condition.
202	Vol-5	—	Single Line diagram	Only Typical SLD has been given. Please clarify whether same need to be considered for both sector 83 & 153	SLD wise both RSS same.

203	Vol-5	—	Drawing / Layout	<p>Please provide Layout for individual substation. Plan or contour diagram of substation. Please provide GIS building drawing. Kindly confirm that the equipment capacity shall be considered as per Chapter 8B. Please confirm whether PLCC is require or not. Please provide SCADA architecture for RSS.</p>	Design and build contract.
204	Vol-7	3 Page No.4	<p>The price shall not be unbalanced therefore, the price quoted for S1 & S2 in the Cost Center-C (Installation and Site Testing) and Cost Center-E (System Acceptance Tests, Integrated Testing and Commissioning) shall not be less than 15% and 10% of the price quoted in the Cost Center-B (Manufacture and Delivery).</p>	<p>We request that the price quote in S1 & S2 in the Cost Center-C (Installation and Site Testing) and Cost Center-E (System Acceptance Tests, Integrated Testing and Commissioning) to be based on the bidders price analysis and experience and shall not be subject to the percentages mentioned in the clause with respect to Cost Center-B (Manufacture and Delivery). However; the bidder shall ensure that the price quoted are not unbalanced. Kindly confirm.</p>	Please follow tender condition.

205	Vol-7	4 Page No.4	The payment in S1 & S2 for cost Center-B (Manufacture and Delivery) shall be given 75% on delivery subjected to submission of following documents in support of dispatch of material, 15% after completion of cost center C and remaining 10% as after completion of milestone mention under cost center-E (System acceptance, test, Integrated testing and Commissioning)i) Certificate of Type test,ii) Provision of Indemnity bonds as per clause no.46 of SCC.iii) Certificate of factory acceptance testiv) Proof of Insurancev) Technical literature, installation manual and Equipment manualsvi) Packing list	Requesting to provide terms of payment for all cost centers.As per clause 4 payment term for Cost Center-B is 75% against delivery. The clause is silent on remaining 25%.	Please follow tender condition.
206	Vol-7	4 Page No.4	Retention.	Kindly confirm that there shall be no retention from our RA bills.	Please follow tender condition.
207	Vol-2	24 A) Page No.90	Service Tax	As per this clause service tax is exempted for this project, Please Confirm.	Please follow tender condition.
208	-	-	List of approved makes	Please provide list of approved makes.	At vendor approval stage
209	-	-	Annual Maintanance Contract	Please confirm that after completion of 3 years of AMC the bidder may or may not accept the AMC for another 5 years.	It is complusory to undertake AMC for 5 years by the contractor.
210	-	-	Extension of Bid Submission date	This being design built job we request for 45 days extension from the date od submission 07.07.2015.	Please follow tender condition.

S. No.	Section, Volume	Page No, Clause No.	Existing Clause	Clarification/ Confirmation required	DMRC reply
I.	COMMERCIAL AND CONTRACTUAL CLARIFICATION				

211	Vol-1	Pg-32 Cl. No.: C2.7	Unless Stated otherwise ..........by the Tenderer.	<p>We would like to inform you that Tender specifications does not clarify the type of Contract(s) to be awarded to successful bidder i.e. Divisible or Indivisible.</p> <p>We request you to please clarify the number of contractors to be made for this package.</p> <p>In addition to above, in case of divisible contract (if applicable), please clarify how many (with scope limits) contracts shall be awarded.</p> <p>Above is important for overall Tax structuring according to type of contract.</p> <p>Further please note that in case of Single Contract, WCT may be applicable on entire value of the Contract instead of only on the Service portion.</p> <p>We understand that in case of applicability of WCT (in case of Single Contract), same shall be reimbursed by DMRC at actuals. Please confirm/clarify our understanding.</p>	No Change in Tender Condition.
212	ITT Vol-1	Pg-33 Cl. No.: 2.13	If the same May be forefitted.	<p>Considering different site conditions, the unit rates for same equipment/ material may vary.</p> <p>We request DMRC to kindly consider the different unit rates as quoted by bidders for different sites and modify the existing</p>	No Change in Tender Condition.

				clause accordingly.	
213	ITT Vol-1	Pg-33 Cl. No.: 2.13	If the same May be forefitted.	We understand that said clause is not applicable for Civil works, Cable Laying works and Erection activities as the unit rate of individual/ Lot items may be different due different site conditions. We request DMRC to amend the same in Tender Specifications.	No Change in Tender Condition.
214	GCC Vol-2	Pg- 8 of 66 Cl. No.: 1.1.3.1 & Cl. No.: 1.1.3.4/	Commencement Date Effective Date	We understand that effective (Zero) date of Contract shall be date of handing over of encumbrance free land by DMRC with fulfillment of Employer's obligations. We request you to please confirm the same.	No Change in Tender Condition.
215	GCC Vol-2	Pg- 13 of 66 Cl. No. 2.4	Assignment by the Employer	This is sub-Clause to "Clause 2 Employer", which provides the Employer's obligations in general. We assume that the Contractor will be intimated of any action as per this Sub-Clause. Please confirm our understanding.	No Change in Tender Condition.
216	GCC Vol-2	Pg- 14 of 66 Cl. No. 3.4	Engineer's Instructions	Any instructions given by the Engineer, Engineer's Representative of the Delegated Assistant shall be in writing only. We request you to kindly accept the same.	No Change in Tender Condition.

217	GCC Vol-2	Pg 17 of 66 Cl. No.4.4(b)	....If any act or omission of the Contractor whether directly or .....additional payment.	Request you to please amend to the effect that Liquidated damages, if they become due, shall be the only liability of the Contractor.	No Change in Tender Condition.
218	GCC Vol-2	Pg 34 of 66 Cl. No.: 7.5	The Employer/ Engineer may instruct the contractor for any additional test, at employer's cost.	Please confirm that necessary time extension for completion of job shall be granted by DMRC in case any special test to be conducted by Contractor on Employer's instruction.	No Change in Tender Condition.
219	GCC Vol-2	Pg. 35 of 66 Cl. No. 7.6	Notwithstanding any previous Test or certification, or otherwise.	We understand that a reasoning shall be given by Engineer for the instructions to the Contractor as mentioned. We request you to please confirm our understanding.	No Change in Tender Conditions.
220	GCC Vol-2	Pg. 39 of 66 Cl. No. 8.4.1. Para 2. (c.)	inclement weather conditions	We request you to kindly delete the said clause and included the same under "Force Majeure" conditions.	No Change in Tender Conditions.
221	GCC Vol-2	Pg. 39 of 66 Cl. No.: 8.5	Appendix to the Form of Tender shall include in respect of the Works and in respect of any Stage, a percentage of the total contract value which will be recoverable from the Contractor as liquidated damages for delay in completion of the Works or in achievement of a stage by a particular Key Date.	We would like to inform you that, The Form of Tender Appendix I does not define the limit of Liquidated Damages. Request you to please specify the same. Please also specify the Liquidated damages to be levied in case of failure to meet Key Dates.	No Change in Tender Conditions.
222	GCC Vol-2	Pg. 39 of 66 Cl. No.: 8.5	...the total ceiling limit of which is 15% of the contract value including liquidated damages levied under the provision of Appendix 1 to the Form of Tender.	The upper limit of Liquidated damages shall be 10% of the contract value.Request to please accept our request in line with earlier DMRC tenders.	No Change in Tender Conditions.

223	GCC & SCC Vol-2	Pg. 42 of 66 Cl. No.: 9.1 & 15 of 28 Cl. No.: 22	Taking Over Certificate	As per said clause, we understand that Taking over Certificate shall be issued on completion of various sections of the jobs. In present case, we understand that Taking Over Certificate of each Substation and each Cable section shall be issued separately. Please confirm our understanding.	No Change in Tender Conditions.
224	GCC Vol-2	Pg. 43 of 66 Cl. No. 10.4	.... If the Contractor fails to remedy the defect or damage by such date and the necessity for such work is due to a cause stated in Sub-Clause 10.2(a), (b) or (c), the Employer may (at his sole discretion)	We request you to kindly include "exercise either" at the end of the sentence.	No Change in Tender Conditions.
225	GCC Vol-2	Pg. 45 of 66 Cl. No. 11.1.4	Change in Taxes/Duty	<p>We wish to bring to the kind attention of DMRC that as per the standard practice followed by all major utilities in India & worldwide statutory variation in Taxes/Duties/ Levies, imposition of new taxes and duties during the agreed project schedule for all in-house and Bought-out items and services are paid as per actuals.</p> <p>Also, any statutory variation during the delayed period is in Customer's account, in case the delay is for the reasons not attributable to contractor.</p> <p>Further, there are also chances that during the execution of the project new tax is implemented by Government authorities (like GST) on self-manufactured items / bought out goods (domestic or imported & services) which may lead to imposition of</p>	No Change in Tender Conditions.

				<p>a different tax structure which cannot be envisaged/considered in the bid at tendering stage.</p> <p>In view of the above we request DMRC to kindly amend this clause by allowing payment of statutory Taxes & Duties as applicable at the time of despatch/services. This would enable the bidder to consider the taxes & duties accordingly.</p>	
226	GCC and of SCC Vol-2	Pg. 45 of 66 and Pg 17,18 of 28 Cl. No. 11.2.1 and Sub Cl.11.2.1 /Sub Cl.11.2.5	As advance of 10% payable in 2 tranches of 5% each recoverable from monthly IPC payments in accordance with 11.24 of GCC.	We understand that the penal interest will be payable only if the Contractor is not entitled to received EOT in respect of delays beyond his control. Please confirm our understanding	No Change in Tender Conditions.
227	GCC Vol-2	Pg. 46 of 66 Cl. No. 11.2.5	Interest in case of delay in repayment of advances	We request you to kindly delete the said clause.	No Change in Tender Conditions.
228	GCC Vol-2	Pg. 51 of 66 Cl. No. 11.20	... may be deducted by the Employer from monies due to the Contractor under the Contract (including, without limitation, liquidated damages) and the Employer shall have the power to recover any balance not so deducted from monies due to the Contractor under any other contract between the Employer and the Contractor.	<p>We would like to inform you that, Payments under other contracts should not be held back for defaults under this Contract.</p> <p>Request Please exclude the line "due to the Contractor under any other contract between the Employer and the Contractor."</p>	No Change in Tender Conditions.

229	GCC Vol-2	Pg. 55 of 66 Cl. No. 13.2.2	.... the Employer may upon giving 14 days notice to the Contractor,....	We request you to kindly amend the said clause as follows : the Employer may upon giving thirty (30) days notice to the Contractor,....	No Change in Tender Conditions.
230	GCC Vol-2	Pg. 51 of 66 Cl. No. 15.5	..... In such cases the premium paid by the employer plus overheads (equal to 50% of the premium paid) shall be recoverable from the contractor by the employer, ....The contractor shall not dispute the amount of premium paid by the employer or the overhead charges thereon.	We request you to please modify this clause as under: In such cases the premium paid by the employer plus overheads (equal to 50% of the premium paid) shall be recoverable from the contractor by the employer, ....The contractor shall not dispute the amount of premium paid by the employer or the overhead charges thereon.	No Change in Tender Conditions.
231	GCC & SCC Vol-2	Pg. 21 of 28 Cl. No. 36 & Sub-Clause 13.3.4	Payment on termination due to force majeure: For the ease of determination of the cost to be paid to the Contractor, a lump sum payment equal to 2% (two percent) of the value of the work remaining incomplete on the date of Termination notice taking effect shall be paid in place of payments as per subclause 13.3.4 (c), (d) & (e).	We understand that there is a typographical error and below clauses (c), (d) & (e) should be (a), (b), (c).Please confirm.	Kindly Refer Addendum No.-3
232	SCC Vol-2	Pg. 8 of 28 Cl. No. 10	(Sub-Clause 4.11) The Contractor shall indemnify the Employer in respect of all claims, demands, proceedings, damages, costs, charges and expenses whatsoever arising out of or in relation to any such matters.	We request you to kindly delete the said clause.	No Change in Tender Conditions.
233	SCC Vol-2	15 of 32 Cl. No.: 23	Defect liability period	Defect liability period shall start within 30 days from the date of readiness of Substations for charging in case charging of Substation is delayed due to reasons not attributable to Contractor.	No Change in Tender Conditions.

234	SCC Vol-2	Pg. 21 of 28 Cl. No. 29	(Sub-Clause 11.2.5) Interest in case of delay in repayment of advances	We request you to kindly delete the said clause.	No Change in Tender Conditions.
235	SCC Vol-2	Pg. 24 of 28 Cl. No. 44	Additional Clause Spares (a) Supply of spare parts for ten (10) years	Firm prices for spares shall be provided for a period of 3 years. However, supply of spares beyond 3 years shall be at new rates to be informed by the Contractor on demand by DMRC.	No Change in Tender Conditions.
236	SCC Vol-2	Pg. 26 of 28 Cl. No. 49	Additional Clause Technology Transfer	Please confirm that Transfer of Technology shall be limited to Training, O&M Manuals and As Built Drawings.	No Change in Tender Conditions.
237	Vol-7	Pg 4 of 47 Cl. No. G	Price Variation:- Prices quoted by the tenderer shall be fixed throughout the Tenderer's performance of the contract and not subject to variation on any account except Traction and Auxiliary Transformers.	As you aware that commodity prices in present market are highly volatile, hence we request you to accept variable prices for EHV Cable and Civil works along with other Equipment's/ Material and Services without any ceiling. Further we would like to inform you that, in previous tenders floated by DMRC, Price Variation clause was applicable for EHV Cable and Civil Works. IEEMA formula for Price variation may be used for the applicability of the same. Request you to kindly accept the same.	No Change in Tender Conditions.
238	Vol-7	Pg 4 of 47 Cl. No. G	Price Variation:-	We understand that base date for Price variation formulae shall be the date one month prior to opening of technical bid. Please confirm.	No Change in Tender Conditions.

239	Vol-7		Bill of Material	From the Schedule of prices provided in Volume-7, it is observed that there is no breakup for the taxes and duties to be considered by bidder for this package. We request you to kindly furnish the same.	No Change in Tender Conditions.
240			Form-C	We understand that Form-C shall not be provided by DMRC for this contract.	No Change in Tender Conditions.
241			AMC	<p>We would like to inform you that, in the tender specifications there is no manpower details given for Operation & Maintenance of the substation.</p> <p>We would request you to furnish the following Manpower Details:</p> <ol style="list-style-type: none"> 1. Number of Man power required. 2. Profile of the manpower to be deputed. 3. Minimum Experience for manpower to be considered. <p>We would like to inform you that the above requirements are mandatory to be furnished by client during bidding stage for proper financial evaluation of the bid and bringing all the bidders at par.</p>	Please refer addendum No 3(Details of AMC given in annexure- 2 of clause 9 chp 8A,PS)
II.	TECHNICAL CLARIFICATIONS				
II.A	CLARIFICATIONS SPECIFIC FOR 132 KV GIS				

242	Vol-4 Chapter-8A	Cl. No. 2.1. 1 .1.1	Voltage Transformer with motor operated isolation device of rated insulation	We would like to inform you that, proposed VT shall have manual operated disconnecting link. We presume the purpose of the isolation is to do power frequency test and HV DC test to locate the cables fault without dismantling VT from GIS. Hence for this purpose motor operated isolation device is not required for VT and we do not have such design in our GIS. Request you to please accept the same.	No Change in Tender Conditions.
243	Vol-4 Chapter-8A	Cl. No. 2.1. 1 .1.30	<p>In case of any internal arc fault – regardless whether it occurs in a bus bar section, a busbar isolator or the circuit breaker-repair works should be possible without shutting down the substation; at least one busbar and the undisturbed feeder should remain in operation.</p> <p>It should be possible to remove and replace a fully assembled circuit breaker without interfering the operation of the adjacent feeder.</p>	<p>We like to inform you that as we offer three phase encapsulated design, active part of CB can be remove, repair and replace. In standard practice, there is no need of removing the fully assembled breaker.</p> <p>Request you to please accept the same.</p>	PI follow tender condition
244	Vol-4 Chapter-8A	Cl. No. .2.1. 1 .1.33	The Conventional Local Control Cubicles shall be integrated with the GIS.	<p>As per chapter-2, scope- pg 5, “The BCUs shall be provided on the 132 kV bays and housed in the indoor cubicles in the control room besides/ along with relay panels.”</p> <p>We understand that BCU is mounted on Relay panel and we are providing conventional; LCC without any BCU and protection relays. Request you to please confirm our understanding.</p>	PI follow tender condition

245	Vol-4 Chapter-8B	Cl. No. 4	Rated operating cycle – O-CO-CO	We would like to inform you that, Rated operating cycle shall be O-0.3s-CO-3min-CO. Request you to please accept the same.	Confirmed

246	Vol-4 Chapter-8B	Cl. No. 6, 7, 8, 9	<p>Secondary cores (CTIM-X) Core 3 - 1000-500/1A 50 VA, 5P20 Core 4 - 1000-500-25-100/1A , CL 0.2, 15 VA Core 5 - 1000-500-25-100/1A , CL 0.2, 15 VA</p> <p>Secondary cores (CTC) Core 1 - 1000-500/1A 50 VA, 5P20 Secondary cores (CTATP-X) Core 3 - 400-200/1A 50 VA, 5P20</p> <p>Secondary cores (CTTTP-X) Core 3 - 400-200/1A 50 VA, 5P20</p>	<p>We would like to inform you that, due to limited space availability in GIS, it is not feasible to provide CTs with low current ratio and with high burden. Request you to confirm the below ratios and amend the same.</p> <p>Secondary cores(CTIM-X) Core 3 - 1000-500/1A, 20 VA, 5P20 Core 4 - 1000-500/1A , CL 0.2, 15 VA Core 5 - 1000-500/1A , CL 0.2, 15 VA</p> <p>Secondary cores (CTC) Core 1 - 1000-500/1A 20 VA, 5P20</p> <p>Secondary cores (CTATP-X) Core 3 - 400-200/1A 20 VA, 5P20</p> <p>Secondary cores (CTTTP-X) Core 3 - 400-200/1A 20 VA, 5P20</p> <p>Request you to please accept the same.</p>	It is design and build contract. Ratio and burden shall be dealt during GTP approval.
247	Vol-4 Chapter-8B	Cl. No. 10	<p>Type of voltage transformer – capacitive</p> <p>Rated output at power factor 0,8 lagging – 200 VA</p>	<p>We would like to inform you that, the offered voltage transformer for bus and line bay shall be of inductive type.</p> <p>Rated output at power factor 0,8 lagging – 150 VA/. Request you to please accept the same.</p>	It is design and build contract. Burden shall be dealt during GTP approval.
248	Volume -7	Cl. No. 1 Table-A (Spare Part List)	132 kV Bushing – 1no	We would like to inform you that, 132 kV Bushing is not applicable as we propose cable termination for all the 132kV GIS feeders. Request you to please confirm.	PI follow tender condition

249	Volume -7	Cl. No. 15 Table-A (Spare Part List)	Arrester (SVL) – 2 nos	We presume that the requirement of Arrester (SVL) – 2 nos in List of Spares is outdoor type surge arrester. Request you to please confirm our understanding.	Confirmed
250	Volume -5	Typical SLD for RSS cum AMS cum TSS	Incomer bay module	Request you to confirm how many phases are dummy for future use.	PI follow tender condition
251	Volume -5	Typical SLD for RSS cum AMS cum TSS	General	We presume that the customer typical SLD is common for both sector-83 & 153 GIS package.	Confirmed
II.B CLARIFICATION SPECIFIC FOR INDOOR 25 KV & 33 KV GAS INSULATED SWITCHGEAR (GIS)					
252	Volume -8A	Pg. 75 Cl. No. 2.1.1.1.10 (sec. 10)25 KV GIS	Rated Voltage	We would like to inform you that, the rated operational voltage of the offered 25KV GIS shall be upto 27.5 KV which is adequate for specified rated BIL (Lighting Impulse withstand voltage) of 200 KVp as per specification Cl. No. 2.1.1.1.10 (7) . Request you to please accept the same.	PI follow tender condition
253	Volume -8A	25 KV GIS	Panel rating	Request you to Kindly provide the incomer and outgoing feeder current rating for 25 KV GIS.	2000A
254	Volume -8A	Cl. No. 2.2.2.533 KV / 25 KV GIS	Panel Gas flooding system	We would like to inform you that, Panel gas flooding system shall not be a part of 33/25 KV GIS.	Confirmed
255	Volume -8A	Cl. No.2.1.6.14 33 KV GIS	Cable entry	Request you to kindly confirm cable entry is required from bottom or top.	PI follow tender condition
256	Volume -5	Typical SLD for RSS cum AMS cum TSS	Earthing switch	We would like to inform you that, In 33KV and 25 kv GIS , the earthing switch is a part of the 3 position switch which is used for earthing as well as disconnecting . The earthing switch is offload type and earthing is done in conjugation with the breaker . This is a tested and safe proven	Confirmed

				method of line earthing since any make and break occurs in the CB . Request you to please accept the ame.	
257	Volume -8A	33 KV GIS	Type test reports - 33 KV	We would like to infomr you that, Type reports of 33KV GIS is less than 10 years old . However , since there is no change in design of the switchgear since the type test all type test reports are still applicabl for the same .	PI follow tender condition
II.C	CLARIFICATION SPECIFIC FOR CRP-SAS				
258	Chapter-3, Volume-4	Table 2.2, item no. 5	Relay required at PSA end will be supplied and installed at PSA premises by RSS contractor.....	We understand that only Line differential relay will be required at PSA end. The relay to be mounted in existing panel at PSA GSS. Also, any integration of supplied relay with existing SAS at PSA is not in bidder's scope. Please confirm whether our understanding is correct.	Confirmed
259	Chapter-3, Volume-4	Table 2.2, item no. 4	Data exchange between PSA & DMRC - RSS	We would like to inform you that, any communication medium such as PLCC, FOTE (Fiber optic telecom panel) for interface with PSA/ OCC etc. is not part of bidder's scope. Bidder's scope is limited to provision of digital relay and communicable FO cable between RSS & PSA. Please confirm whether our understanding is correct.	PI follow tender condition

260	Chapter-8A, & Chapter-8B, Volume-4	CI no. 3.2.3.3 & SI no. 14, 15, 18 & 19	Restricted Earth fault protection (REF): High impedance type Technical particular of CTATP, PNCT, SNCT, LBCT, CTTTP, transformer Neutral CT	We would like to inform you that, as per specification, High impedance type REF protection shall be provided for transformers whereas the CT ratio and accuracy class of Phase and neutral CT does not match. In such case, we propose to provide low impedance type REF protection in transformer feeders. Request you to please confirm the final requirement.	It is design and build contract, shall be dealt during GTP approval.
261	Chapter-8B Volume-4		Technical particulars of 132kV, 33kV & 25 kV CT & VT	We would like to inform you that, we have considered the CT/ VT ratio, no. of taps and accuracy class of all CT/PT as per the specified Technical Sheets. Please confirm whether our understanding is correct.	It is design and build contract, shall be dealt during GTP approval.
262	Chapter-8B, Volume-4	Sl. No. 7 Key Single Line Diagram	Ammeter in Bus coupler bayCT of 5P20 & PS class	We would like to inform you that, as per typical Single line diagram for 132kV system, ammeter shall be provided in Bus coupler bay whereas in technical particulars of CCB (Coupling Circuit Breaker), measurement core is not specified. In case measurement is done through protection core, the accuracy will be less. Please clarify.	It is design and build contract, shall be dealt during GTP approval.
II.C OTHER TECHNICAL CLARIFICATION					

263	Chapter-2 Volume-4	Pg 3. Cl. No. 1.1	For complete appreciation of the Scope, the Specifications, and Bill of Quantities along with their Explanatory notes, Drawings and other relevant paragraphs of the Tender documents shall be referred to.	<p>We would like to inform you that, the Bill of Quantities along with along with their Explanatory notes, Drawings is not found attached along with bid documents.</p> <p>Request you to please furnish the detailed Bill of quantity of RSS and EHV cabling alongwith the explanatory notes for each line item.</p>	It is design and build contract,
264	Chapter-2 Volume-4	Pg 4 Cl. No. 1.1& Cl. No.2.	<p>For Validation of design of complete system, the Contractor shall arrange auditing of design of works within the scope of work which primarily covers Receiving cum Auxiliary cum Traction Substation, 33kV Power Supply system as per IEC and other relevant Standards from reputed Independent Agency (Auditor), who have already undertaken similar job in past for other Metro system. The Bidder or its any of the partner or the designer shall not be part of this independent agency.</p> <p>Any suggestions / improvements / Corrections in the design works suggested by the Independent Agency are to be carried out by the contractor at no extra cost.....</p>	<p>We would like to inform you that, the present tender scope of 132/33/25kV GIS of RSS pertains to typical switchyard scope and based on our long standing experience in AIS/GIS turnkey substation projects right from 11kV to 800kV level for various industry/utility/infrastructure customers. Hence we do not foresee any value addition in having an additional independent design validation by third party.</p> <p>Request to please accept our request in line with earlier similar DMRC tenders.</p>	No Change in Tender Conditions.
265	Chapter-2 Volume-4	Pg 4 Cl. No.2	Any suggestions / improvements / Corrections in the design works suggested by the Independent Agency are to be carried out by the contractor at no extra cost.....	In case there is a third part validation, we understand that such suggestions/improvements shall be within the tender specification requirement/framework. Any new/additional requirement not envisaged in original specification shall be dealt separately. Please confirm our understanding.	No Change in Tender Conditions.

266	Chapter-2 Volume-4	Pg 4 Cl. No.2	The building shall have all the amenities and features to be at least similar to the RSS building built in Phase I & II of DMRC.	Request you to Please furnish the RSS building layout for Noida Sector-83/153 or else of similar RSS building of DMRC ph-I/II showing the internal distribution of rooms/offices, etc.	It is design and build contract,
267	Chapter-2 Volume-4	Pg 10 Cl. No. 2	Two nos. of receiving bays at 132 kV incoming voltage from the respective utilities (Indoor GIS type)	We understand that 132kV bay formation including associated CRP, cabling, cable termination structure is excluded from the scope within the respective Noida Sec-82/148 GSS utility premises of UPPPTCL. Please confirm our understanding.	Pl follow Interfacing chapter-3,vol-4 of tender .
268	Chapter-2 Volume-4	Pg 10 Cl. No. 2	Two nos. of receiving bays at 132 kV incoming voltage from the respective utilities (Indoor GIS type)	Further to above we undersatand that, cable trench within the boundary of the utility is excluded from the scope. Please confirm our understanding.	No Change in Tender Conditions.
269	Chapter-2 Volume-4	Pg 4 & 5 Cl. No. 2	Two nos. of spare bays for auxiliary main transformer for future PD requirement	We understand only space provision of two nos. transformer bays to be considered in 132kV GIS, however, these shall be un-equipped bays. Please confirm our understanding.	Only space provision to be made in the layout.
270	Chapter-2 Volume-4	Pg 5 Cl. No. 2	33kV AMS & 25kV TSS	We understand that no future bay provision is to be considered for the 25kV & 33kV switchgears. Please confirm our understanding.	Only space provision to be made in the layout.
271	Chapter-2 Volume-4	Pg 5 Cl. No. 2	A wall display unit of adequate size shall be provided	We understand wall display unit implies an LVS (one no. per RSS), Request you to please inform the size of LVS to be considered.	Kindly Refer Addendum No.-3

272	Chapter-2 Volume-4	Pg 5 Cl. No. 2 & Typical Single Line Diagram for RSS cum AMS & TSS	25kV TSS (GIS)	<p>We would like to inform you that, there is a mismatch in the no. of bays for 25 KV GIS. As per referred specification it is indicated that 25 KV GIS switchgear with (8 nos.) bays, whereas as per Single Line Diagram furnished it is 7 nos.bays for 25 KV GIS.</p> <p>We understand that total bays are 7 nos. i.e. 2 nos. Incomers, 1 Bus-coupler & 4 nos. outgoing feeders. Request you to please confirm the final requirement.</p>	Confirmed
273	Chapter-2 Volume-4	Pg 5 Cl. No. 2 & Typical Single Line Diagram for RSS cum AMS & TSS	33kV AMS (GIS)	<p>We understand that total 9 nos. bays to be considered including the 2 nos. spare feeders.</p> <p>We understand that the spare feeders shall be of un-cabled type. Please confirm whether our understanding is correct.</p>	No Change in Tender Conditions.
274	Chapter-2 Volume-4	Pg 6 Cl. No. 2	Provision of 2 x 100 kVA dry type transformers for station supply	We understand the 100kV LV station auxiliary supply transformers are indoor type. Please confirm.	yes
275	Chapter-2 Volume-4	Pg 6 Cl. No. 2	Supply, installation & commissioning of 132 kV, 25kV, 33kV or 415V cables & control wirings of suitable sizes or design for requirements within the RSS boundary location if not stated otherwise.	We understand that the Terminal point for 33kV outgoing feeder from AMS switchgear located in RSS building is the respective outgoing breaker terminal at switchgear end. Further cabling from this terminal point will be done by AMS bidder (others). However, cable path upto the RSS boundary shall be in bidder's scope. Please confirm our undertsanding.	PI follow tender condition

276	Chapter-2 Volume-4	Pg 6 Cl. No. 2	Termination kits for 33kV & 25kV outgoing feeders.	We understand that the 33kV & 25kV cable termination kits for the outgoing feeders from 33kV & 25kV GIS shall be in other AMS/TSS bidder's scope for both panel end & other end terminations. Please confirm our undersanding.	PI follow tender condition
277	Chapter-2	Pg 8 Cl. No. 2	Design, Supply and erection of all 25kV cables required inside the TSS, including those from the Traction transformer to 25kV switchgear	We understand that the Terminal point for 25kV outgoing feeder from TSS switchgear located in RSS building is the respective outgoing breaker terminal at switchgear end. Further cabling from this terminal point will be done by TSS bidder (others). Further cabling from this terminal point will be done by TSS bidder (others). However, cable path upto the RSS boundary shall be in bidder's scope. Please confirm our undersanding.	PI follow tender condition
278	Chapter-2 Volume-4	Pg 8 Cl. No. 2.2.2.5	Panel gas flooding system	Request you to please clarify this requirement & furnish the technical requirement. Also clarify whether it is limited to 33kV GIS (for AMS).	PI follow tender condition
279	Chapter-2 Volume-4	Pg 11 Cl. 3.2.2	Design Services:-	We would like to infomr you that, we are following the rating of 132/33/25kV switchgear, Traction transformer, Auxiliary main transformer, Station auxiliary transformer, EHV/MV cable sizes, etc. considered as per the ratings specified in DMRC tender document. Any change in rating at a later stage shall have cost implication and hence not envisaged in scope. Request to please accept.	It is design and build contract,

280	Chapter -3 Volume-4	Pg 13 Cl. 4	CCTV can also be provided by CCTV contractor in RSS	We understand that CCTV, intercom/EPAX are excluded from bidder's scope. Please confirm our understanding.	PI follow tender condition
281	Chapter -3 & Chapter 8 A Volume-4	Pg. 15 Cl. 6.1.2, Item no. 3 & Pg. 121 & Cl. 4.2.1.4	Fault Level	Reference to the cited clauses we understand that 132kV system fault (short circuit level) is 31kA for 3 sec. duration. However, the 132kV cable sizing shall be done for 31kA for 1 sec. duration. Please confirm our understanding.	31.5KA for 3 sec
282	Chapter -3 Volume-4	Pg 16 Cl. 6.1.3		Any ROW & related compensation for 132kV EHV cabling from RSS to UPPTCL GSS is excluded from bidder's scope.	PI follow tender condition
283	Volume- 5	Typical Single Line Diagram for RSS cum AMS & TSS	Tender Single Line Diagram	We understand that the 132kV, 33kV and 25kV end terminals of the transformers shall be directly connected through cables with cable box arrangement. With this no outdoor AIS type 132/33/25kV surge arrestors envisaged in scope. Please confirm whether our understanding is correct.	SLD is indicative.This is design & build contract.
284	Chapter 8 A Volume-4	Pg 4 Cl. 1.4.4	CREEPAGE DISTANCE AND CLERANCE	Request you to please confirm the following : 1. Please confirm whether 25kV/mm creepage is acceptable in line with earlier DMRC tenders. 2. We understand creepage is applicable for outdoor equipments / bushings only.	PI follow tender condition
285	Chapter 8 A Volume-4	Pg 13 Cl. 2.1.1.1.7	EOT crane with VVVF drive for continuous operation for GIS equipment handling	We understand EOT crane to be provided for the 132kV GIS only. No EOT crane is envisaged for 25kV & 33kV switchgear. Please confirm our understanding.	EOT crane shall be provided for all GIS equipments depending on the layout approved.

286	Chapter 8 A Volume-4	Pg 75 Cl. 2.1.11.10/, item no. 7	Rated lightning Impulse withstand voltage of 25kV TSS (GIS)	We understand that the rated lightning impulse withstand voltage for 25kV GIS (for TSS) and its associated components like circuit breakers, CT's, VT's, etc. shall be designed for 200kV(p). Please confirm our understanding.	Confirmed
287	Chapter 8 A Volume-4	Pg 75 Cl. 2.1.11.10, item no. 8	Rated short time current of 25kV TSS (GIS)	We understand that the rated short time current for 25kV GIS (for TSS) and its associated components like circuit breakers, CT's, etc. shall be designed for 16kA. Please confirm.	Confirmed
288	Chapter 8 A Volume-4	Pg 93 Cl. 3.4	The panels shall be used for housing the control and protection equipments for 132kV and 25 kV system. The 33kV control and protection system shall be housed in the local control cubicle of the 33kV Switchgear.	Reference to the cited clause, we understand that the control & protection system of 33kV GIS shall be integral to the switchboard and no separate LCC is envisaged for 33kV system. Please confirm whether our understanding is correct.	Confirmed
289	Chapter 8 A Volume-4	Pg 122/123/127, Cl. 4.2.2.1 / 4.2.4.1/4.2.5.6	76/132kV cable data sheet.	We understand that the 76/132kV (E) grade EHV cable (aluminium conductor) shall be sized for 2000Amps current capacity in line with 132kV GIS bus rating. Please confirm whether our understanding is correct.	PI follow tender condition
290	Chapter 8 A Volume-4	Pg 122/123/127, Cl. 4.2.2.1 / 4.2.4.1/4.2.5	76/132kV cable data sheet.	We would like to inform you that, there is a mismatch in 132kV cable size indicated in the referred clauses. Request you to please confirm the size & no. of runs per phase of 132kV cable to be considered by bidder.	It is design & build contract.

291	Chapter 8 B & Chapter 2 Volume-4	Pg 13 Cl. 3 & Pg 6 Cl. 2	Technical Sheets (LV Auxiliary Transformers)	We understand LV Auxiliary transformer rating is 100kVA, Request you to please furnish datasheet of 100kVA instead of 200kVA.	100KVA
292	Chapter 8 B Volume-4	Pg 13 Cl. 13	33kV Cables Technical sheet	We understand that the incomer to 33kV AMS switchgear from 132/33kV Auxiliary Main Transformer shall be fed through 19/33kV cable of size 3Cx400sqmm (1 run per feeder) Cu conductor. Please confirm whether our understanding is correct.	PI follow tender condition
293	Chapter 8 B Volume-4	Pg 14 Cl. 14	25kV Cables Technical sheet	We understand that the incomer to 25kV TSS switchgear from 132/27.5kV Traction Transformer shall be fed through 19/33kV cable of size 1Cx240sqmm (1 run per feeder) Cu conductor. Please confirm whether our understanding is correct. Kindly provide the no. of runs along with size of the cable for 33kV outgoing feeder which will terminate at 33kV switchgear panel. So that size of the Indoor cable trench can be decided.	PI follow tender condition
294	General		33kV outgoing cables	Kindly provide the no. of runs along with size of the cable for 33kV outgoing feeders (Supplied by others) which will terminate at 33kV switchgear panel. So that size of the Indoor cable trench & provision for same in switchgear can be decided.	It is design and build contract,
295	General		25kV outgoing cables	Kindly provide the no. of runs along with size of the cable for 25kV outgoing feeders (Supplied by others) which will terminate at 25kV switchgear panel. So that size of the Indoor cable trench &	It is design and build contract,

				provision for same in switchgear can be decided.	
296	General		132kV spare cable	We understand no spare cable to be considered for the 132kV cabling between RSS and GSS.	It is design and build contract,
297	General		132kV cable laying	Please furnish the drawing showing typical cross section of buried cable laying & cable trench crossings to be followed for EHV cabling within RSS & outside RSS. Also request you to please furnish us the typical sketch of cable bridge as per DMRC standards.	It is design and build contract,
298	General		33 & 25kV cable laying	Please furnish the drawing showing typical cross section of buried cable laying to be followed for 33kV and 25kV cabling within RSS.	It is design and build contract,
299	General		Layout drawing of RSS @ Noida Sector 83 & Sector 153	Please furnish the following drawings for making bid stage estimation of lot items: 1. General switchyard layout plan for respective Noida Sector 83 & Sector 153. 2. Elevation & section drawing for respective Noida Sector 83 & Sector 153 RSS.	It is design and build contract,
300	General		Plot / site plan of RSS @ Noida Sector 83 & Sector 153	Please furnish the plot/site plan of respective Noida Sector 83 & Sector 153 of proposed RSS.	Kindly Refer Addendum No.-3

301	General		EHV cable route plan	Request you to please furnish the tentative "Cable Route plan for 132kV cable from existing AIS Substation located at Sector-82 to proposed new RSS of DMRC substation at Sector-83.	It is design and build contract,
302	General		EHV cable route plan	Request you to Please furnish the tentative "Cable Route plan for 132kV cable from existing GIS Substation located at Sector-148 to proposed new RSS of DMRC substation at Sector-153.	It is design and build contract,
303	General		Control & Monitoring Block diagram	Request you to Please furnish the referred drawing for the respective RSS.	It is design and build contract,
304	Foundation for Cable Termination Structure at PSA End		Item no 1 - Take - off points at PSA substations for AIS substations	We envisage that foundation at PSA end (Noida UPPTCL end GSS) for 132kV Cable termination is not in bidder scope. Please confirm our understanding.	All required structure,foundations,termination etc to take off 132KV supply from PSA end is NE02 scope.
305	General		Solar power panel....., solar based lighting	We understand that solar power panel, solar based lighting is excluded from scope as same is not specified in tender scope. Please confirm our understanding.	Confirmed
306	General		25kV & 33kV cable path inside RSS	Request you to kindly specify the cable path or route for 25kV & 33kV outgoing cables in order to estimate Cable trench.	It is design and build contract,
307	General			We presume that cutting of trees, dismantling of road, any kind of dismantling work shall be done by DMRC. Please confirm our understanding.	PI follow tender condition
308	General			We understand that emergency LV DG set is not required for all the RSS. Please	PI follow tender condition

				confirm our understanding.	
309	Vol-1Vol-2	Pg-32Cl. No.: C2.7 & Cl.No.: F Pg 44 of 66 Cl. No.: 11	Unless Stated otherwise.....by the Tenderer.Contract Price	In case DMRC awards only one contract for entire package, WCT may be applicable on total project value. We understand that WCT shall be reimbursed by DMRC at actuals and also will not be considered for bid evaluation. Please confirm/clarify our understanding.	PI follow tender condition
310	GCC Vol-2	Pg. 39 of 66 Cl. No.: 8.5	Liquidated Damages for Delay	We would like to inform you that as there are two site included under contract NE-02, we understand that Liquidated damages shall be separate for both the sites. Please confirm.	PI follow tender condition

311	Volume -7		Milestone Payment Schedule (MPS)	<p>We requesty you to please accept the following Terms of Payment:</p> <p>SUPPLY PART:</p> <ol style="list-style-type: none"> 1. 10 % initial interest free advance against submission of ABG of equivalent amount. 2. 80% of Contract value amount along with 100% Taxes and duties shall be paid on Pro-rata basis against receipt of material at site, through confirmed irrevocable sight Letter of Credit (L/C). 3. Final 10% payment shall be released on successful commissioning or within 60 days from readiness of the work. <p>SERVICE/CIVIL PART :</p> <ol style="list-style-type: none"> 1. 10 % initial interest free advance against submission of ABG of equivalent amount. 2.80% of the Contract Price along with Service Tax shall be released on prorata basis through Bank Transfer. 4. Final 10% payment shall be released on successful commissioning or within 90 days of Completion of Erection. <p>All Payments shall be released within Thirty days(30) days of submission of an invoice/claim by the bidder.</p>	PI follow tender condition
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312	Chapter-2 Volume-4	Pg 11 Cl. 3.2.2	Type test requirement of Traction Transformer	Request you to please confirm if the bidder has short circuit test report of 21.6/30.24MVA, 132/27KV Traction transformer, which is as per RDSO approved design, the same report may be considered for 21.6/30 MVA Traction transformer which is the requirement for this package.	PI follow tender condition
313		Typical SLD for RSS CUM AMS & TSS	33kV surge arrester	Refer to tender SLD surge arresters are not shown both for incomer & outgoing feeders in 33kV GIS. Please review & confirm the exact requirement.	PI follow tender condition
314	Vol-4, chapter-3	Item no.1 of Table 2.2,	Take off points at PSA Substation	We understand that both substations at PSA end are AIS type. Please confirm	AIS
315	Cl C 18.1 page 24 of ITT		Any deviation in bid security with regard to amount, validity and format shall be considered as material deviation and bid shall be dealt accordingly. No clarification shall be sought from the bidders regarding bid security	Please confirm the BG with addition of bank NWC clause shall also be applicable to DMRC as it was accepted in previous DMRC tenders. You would appreciate that this is very critical in bid submission and would need your response at the earliest	The tender security BG with NWC clause (as given in Performance security BG clause 11) shall also be acceptable