

## Reply to PRE - BID QUERIES (Along with Addendum No.-1)

DELHI METRO RAIL CORPORATION LIMITED

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF E&M FIRE DETECTION AND FIRE SUPPRESSION SYSTEMS FOR ELEVATED CORRIDORS OF: NOIDA- GREATER NOIDA SECTION (21 STATIONS), LINE-1 EXT: DILSHAD GARDEN TO NEW BUS ADDA, GHAZIABAD (8 STATIONS), LINE-3 EXT: NOIDA SECTOR 32 TO NOIDA SECTOR-62 (6 STATIONS) 1/C DG SETS OF NOIDA-GREATER NOIDA SECTION AND ROLLING STOCK DEPOT AT GREATER NOIDA

CONTRACT PACKAGE – NE-03

Sr. No.	VOLUME	CLAUSE No. / BOQ Sr. No.	PAGE No.	DESCRIPTION	QUERY	CLARIFICATION
<b>ELECTRICAL WORK</b>						
1	7	BOQ - General	—	The description as mentioned in BOQ, Specifications, Special Conditions, GCC, Drawing and the conditions mentioned therein whichever is stringent shall be applicable, acceptable and complied with.	Kindly confirm whether priority of documents as per clause 1.5 of GCC is to be followed or as per the description under head 'General'.	For priority of document refer GCC Clause 1.5
2	7	BOQ - General	—	The items indicating zero quantity can also be operated and variation clause shall be applicable as stipulated in GCC / SCC.	In BOQ - DG (Station & Depot) Sr. No. 6 there is no provision to quote for items (without quantity).	No need to quote.
3	7	BOQ - General	—	Contractor's shall quote reasonable rates against each item of BOQ (both in word and figure)	Kindly confirm in an event of mismatch between word and figure; which shall prevail.  If possible; we request you to delete unit rate in words column to avoid human error and time consumed for data entry; since this being E-bidding and as per price bid format provided, the contractor has to fill in rate column only and the rest is auto calculated.	Tender Condition are self explanatory. No change in Tender Condition. Kindly refer Addendum No.-1
4	7	BOQ - General	—	Each High Mast light shall be fed two circuits.	Kindly confirm that each High Mast light circuit shall be paid separately under item E.03 Distribution cables or it shall be included under item E.08 Ext. road / Landscape lighting sub item no. 3 High Mast.  Please confirm whether light fixtures are to be fed two circuits or the High Mast control panel.	Pl follow tender condition
5	7	BOQ - E.01 MV Switchgear - General	—	Supply, installation, testing & commissioning of front operated front access cubical type indoor duty floor / wall / recess/ surface mounting, totally enclosed dust and vermin proof (minimum protection IP 54) panels with neoprene gaskets, fabricated from 2 mm thick Cold Rolled Close Annealed CRCA sheets with powder coated finish (minimum thickness 50 micron) suitable for 415 volts 3 phase 4 wire 50 Hz system to withstand symmetrical fault level of 65 or 50 kA at 415 V including interconnections, bonding to earth etc. and flush doors conforming to relevant IEC/IS (viz. IEC 61439, IS 8623 etc.) standard including the earth leakage protection complete as per specification & drawings as required and as given below. All internal wiring in the panels shall be carried out using high temperature FRPVC wires.	Panels shall be fabricated from 2 mm thick Cold Rolled Close Annealed CRCA sheets with powder coated finish (minimum thickness 50 micron) for load bearing members. Non-load bearing members like partitions and <u>doors</u> shall be 1.6 mm thick. Kindly confirm.  Fault level shall be 65 or 50 kA. Please confirm.  Please confirm required minimum powder coating finish thickness. In Depot the thickness mentioned is 50 micron and in station, E&M Ghaziabad & Noida it is 80 micron.	Please follow clause 1.6.6 of PS Vol (iv); fault level : Please follow BOQ Powder Coating Thickness: Please follow BOQ
6	7	BOQ - E.01 MV Switchgear - General	—	The panel shall have Copper busbars with bar type feeder connections, spacers etc. and neutral busbar shall be of 100% capacity for busbar of above 200Amps, rating and 100% otherwise as mentioned.	Neutral busbar shall be of 100% capacity of <u>Phase</u> busbars above 200 Amps rating. Please confirm.  For <u>phase</u> busbars of below 200 Amps rating; neutral busbar shall be 100 % of phase busbar or as mentioned in the panel description. Please confirm.	Please follow BOQ
7	7	BOQ - E.01 MV Switchgear - General	—	Earthing all components, frame etc. to a common internal earth bar of minimum size as per IEC 61439 or equivalent Copper / Aluminium Bar	Common internal earth bar of minimum size shall be Copper or Aluminium Bar. As per Vol. 4 Clause No 1.7.2 & 1.7.3 it shall be Cu. Please confirm.	Specification will prevail

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8	7	BOQ - E.01 MV Switchgear - General	—	Panel / board design shall be compact and components / accessories of compact sizes are used to economise the room space available. Employer reserve the right to seek compact items in place of larger ones.	Components / accessories of compact sizes only as per approved list of make to be considered. If employer seeks compact items in place of larger ones out / beyond the provided approved make list then the same shall be paid extra. Please confirm.	Please follow tender condition
9	7	BOQ - E.01 MV Switchgear - General Sr. No.12	—	Adjustment Rate for Addition/Deletion.	We understand that any additions shall be done in the space provision (i.e 25% for future expansion). In such an event the contractor shall not be liable to augment further space / expand panel. Please confirm.	Please follow tender condition
10	7	BOQ - E.02 Distribution Board - General	—	Supply, installation, testing & commissioning of front operated front access cubical type indoor duty dead front wall / recess/ surface mounting, totally enclosed dust and vermin proof (minimum protection IP 54) panels with foamed-in neoprene gasketed hinged doors, fabricated from 2 mm thick CRCA with powder coated finish suitable for 415 V, 3-phase, 4 wire, 50 Hz system including suitably rated insulated copper busbars, interconnections, neutral bus bar assembly, phase segregating barriers, LED indicating lamps for incoming feeders.15% spare space for future expansion, knockouts and gland plates for entry of cables and conduits, all internal wiring using high temperature range as per IS 694 FRPVC wires, independant terminals for each phase, earthing terminals and including the cost of providing Master key lock on the door and pad locking facility on door as well as at incomer, bonding to earth etc. complete as per specification, drawings as required and as under:	DB's shall be fabricated from 2 mm thick CRCA with powder coated finish for load bearing members. Non-load bearing members shall be 1.6 mm thick. As per vol. 4 Clause No. 1.10.1 thickness shall be 1.6 mm. Kindly confirm requirement.	Please follow tender condition
11	7	BOQ - E.03 Distribution Cables Sr. No.2	—	Cable jointing and termination of following cables including cost of supply and fixing, crimping lugs, double compression brass glands, insulation tape etc. complete as per specifications and as required.	Kindly confirm whether to quote for cable jointing or cable termination.  In case cable jointing is to be quoted kindly specify whether indoor or outdoor cable joints.	Please follow BOQ
12	7	BOQ - E.03 Distribution Cables Sr. No. 2.20	—	The rate shall include Supply and making end termination with brass compression gland & Aluminium lugs for following sizes of FRLSH XLPE insulated, PVC sheathed AI. Conductor cables of 1.1 KV grade as required.	The description given does not match with the item given in 2.20.1 & 2.20.2. Kindly specify gland size along with compression whether single or double.	Kindly refer Addendum No.-1.
13	7	BOQ - E.03 Distribution Cables Sr. No. 3	—	Note : Termination of all control cables to be provided under the above item and as per schematic diagram including the cost of Supply and fixing crimping lugs, compression type brass glands, heavy duty ferrules, insulation tape etc. complete as per specifications and as required.	We request that the termination to be made a separate item and paid separately.  Kindly confirm compression whether single or double.	Please follow tender condition
14	7	BOQ - E.04 Conduit wiring Sr. No. f	—	Recovery of conduit & fan boxes laid by Civil contractor will be made as per item no. 3 & 4.	We request that recovery of conduit & fan boxes laid by Civil contractor to be done only if the conduit path is clear, free of debris and with fish wire in it. Also the location of conduit and fan boxes should match with the drawings.	Please follow tender condition
15	7	BOQ - E.01 MV Switchgear - General Station	—	The panel shall have tinned copper busbars with bar type feeder connections, spacers etc.and neutral busbar shall be of 50% capacity for busbar of above 200A rating and 100% otherwise.	Neutral busbar shall be of 50% capacity of Phase busbars above 200 Amps rating. Please confirm.  For phase busbars of below 200 Amps rating; neutral busbar shall be 100 % of phase busbar or as mentioned in the panel description. Please confirm.	Please follow BOQ
16	7	BOQ - E.01 MV Switchgear - General Station	—	Earthing all components, frame etc. to a common internal earth bar of minimum size 50 x 6 mm GI or equivalent, copper/aluminium bar	Kindly confirm material of construction for 50 x 6 mm whether GI, Cu or Al.	Please refer clause 1.7.2 of PS (Vol IV)
17	7	BOQ - E.01 MV Switchgear - General Station	—	Space provision @ 15% for future expansion	Kindly confirm space provision for future in panels as depot description mentions 25% and in station, E&M Ghaziabad & Noida BOQ it is 15% space and in vol 4 Particular specifications clause no. 1.6.22 it is 10% . The same space provisions can then be made in all the panels of all the BOQ's.	Please follow BOQ

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18	7	BOQ - E.04 Conduit wiring Sr. No. 1.1	—	Supply & laying of conduit and wiring for the following light / Ceiling Fan/ Exhaust Fan / Bracket fan point with 3 x 2.5 sq. mm, 1100 Volt grade PVC insulated FR copper conductor wires in heavy gauge GI conduit surface run with GI saddles, or concealed or in GI raceway including chases and complete with GI junction boxes, pull boxes, inspection boxes, bends & other accessories etc. including insulated Protective Earth (PE) Conductor and earthing of switch boxes excluding the cost of switches/sockets and switch boxes as specified and as under:	Kindly confirm that GI raceway shall be paid separately as per item no. 2.3 of E.03 MV cabling and Busducts.  Requesting to provide no. of points in GI conduit and GI raceway respectively.	(i) Please follow tender condition (ii) This will be decided based on WRD to be prepared by contractor
19	7	BOQ - E.07 Lightning protection Sr. No. 1	—	Supplying and laying of the stainless steel SS-304 air terminations, base plate & clamping of down Conductor complete with base plate, concrete coping fixing accessories and clamping with down Conductor as per specifications & drawing as required	Kindly provide dia., length, prong thickness of base plate.	Please. follow specifications
20	7	BOQ - E.08 External Lighting Sr. No. 3	—	Bajaj Cat. No. BOP-1030 / Philips / Keselec or equivalent welded baseplate, pedestal of specified height to IS:2713 part II-1980 or latest as per specifications and drawings .	Kindly confirm that one nos. Bajaj Cat. No. BOP-1030 / Philips / Keselec or equivalent is to be quoted along with each pole (3.1) Since quantity is not given.	Please follow BOQ
21	7	BOQ - E.08 External Lighting Sr. No. 3.2.1	—	Supply, installation, testing and commissioning of street light luminaire with aesthetically designed die cast aluminium housing POT optics reflector and toughened flat glass (IP 65) (Similar to Philips Cat. No. CRP330/150W SON-T/CDM-TT (Broadway_2), & Thorn Zeta 150W or equivalent including Lamp.	Kindly confirm that the street light luminaire is to be mounted on item No. 3.1 (poles).	confirmed
22	7	BOQ - DG (Station & Depot) Sr. No. 3	—	Design, Manufacture, Supply, Installation/ erection, testing and commissioning of exhaust piping of Class "B" MS(4.85 mm thick as per IS 1239) of suitable size as recommended by the Engine manufacturer including the cost of pipe supports, bends, flexible joints and insulation etc. complete as per tender specifications. The Length will be taken beyond the Exhaust Silencer of the Engine.	Kindly confirm that the exhaust pipe support structure if required shall be separately paid.  In case exhaust pipe support structure is required kindly confirm whether the structure shall be MS free standing or the exhaust shall be MS supported from the existing external wall / pillar.	(i) Please follow tender condition. (ii) Please follow tender condition.
23	7	BOQ - DG (Station & Depot) Sr. No. 4	—	Design, Manufacture, Supply, installation testing and commissioning of fuel oil piping system of suitable size of Class B MS (4.85 mm thick as per IS 1239) pipes, cut to required lengths and installed with all welded joints including providing and fixing in position the necessary fittings like valves, elbows, tees, reducers, duly coated with one coat of primer and two coats of approved enamel paint complete as per specifications and as required between Day Oil fuel tank and DG set.	Kindly confirm the thickness of fuel piping. Thickness given in the description seems too large for fuel piping. Requesting to accept 1.6 mm pipe thickness.  Please specify length of fuel piping and accessories such as valve, elbows, tees, reducers etc.	As per BOQ
24	7	BOQ - DG (Station & Depot) Sr. No. 6.1 & 6.2	—	Supply, laying, jointing, terminating, testing and commissioning of 1100 V grade, armoured, FRLS, XLPE, Aluminium (Al) / Copper (Cu) Conductor cables on existing trays/walls/columns/indoor/trenches including the cost of supports with suitable clamps, saddles, hooks, bolts etc. and including the cost of proper dressing of cables, markers providing identification tags, earthing of glands armouring etc. complete as per specifications, as required and as below. (All control cabling inside the Canopy /silent enclosure of DG set will be part of DG set item)  Supply, laying, jointing, terminating, testing and commissioning of Control cables of following size cables as per List of approved makes.	Requesting to provide jointing & termination quantity and the same to be treated as a separate item. Applicable to all BOQ's.	Please follow tender conditions
25	7	BOQ - Admin. E&M Ghaziabad & Noida E.03 Sr. No. 1 & 2	—	Supply, laying, jointing, terminating, testing and commissioning of 1100 V grade, armoured, FRLSH, XLPE, aluminium (AL) / Copper (CU) conductor cables on existing trays / walls/columns/ indoor including the cost of supports with suitable clamps, saddles, hooks, bolts etc. & in ground/ trenches including the cost of proper dressing of cables, markers providing identification tags, sand filling etc. (cost of excavation, sand & bricks, included here) earthing of glands armouring etc. complete as per specifications as required and as below.  Cable jointing and termination of following cables including cost of supply and fixing, crimping lugs, double compression brass glands, insulation tape etc. complete as per specifications and as required.	Kindly confirm whether to quote for cable jointing or cable termination.  In case cable jointing is to be quoted kindly specify whether indoor or outdoor cable joints.  We request that the cable jointing or cable termination to be treated and paid separately.	Please follow tender conditions
26	7	BOQ - Admin E.04 Sr. No. 1.2.2	—	Secondary light points for 400/250/150W high/medium bay light fixtures with 3 x 4.0 sqmm (P+N+E) FR PVC insulated 1100 volt grade flexible stranded (56 strands of 0.3 mm dia) copper conductor wires in IS embossed 32mm dia MS recessed and/or surface conduiting system including cost of providing saddles/hanger etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting complete as per specifications and as required.	Please confirm whether MS or GI conduit is to be considered. All other items in the subhead are with GI conduits.	GI conduit to be considered

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27	7	BOQ - E.07 Sr. No. 4	—	Earth terminations with 50 mm dia GI perforated pipe complete with 15mm GI watering pipe with funnel with wire mesh etc. complete as per specification and drawing as required	Kindly confirm that this item is for pipe in pipe (15 mm dia GI pipe in 50 mm dia GI pipe) earthing. Coal & Salt mixture, chamber, MS cover etc is not mentioned in the description.	As per respective IS, as given in specs.
28	4	1.18.1	41	The firm shall submit valid type test not more than 5 years old of the equipment conducted at accredited/authorised/reputed/nominated by DMRC laboratory. The type test shall be as per the governing specification.	Kindly confirm which LT panels shall be type tested.  Please confirm that the Contractor / Vendor has to provide valid type test certificate not more than 5 years old of the maximum kA rating of the panel to be supplied only and no type test shall be performed on the equipment supplied.  Please confirm whether this clause is not applicable for DB's.	As per IEC-61439 as given in specs
29	4	2.24	59	Cable tray and raceway thickness.	Min. thickness of cable tray as per the specification and BOQ is 2 mm which contradicts the thickness given in table 2.24.2. Kindly confirm preference. Please confirm galvanizing thickness 80 micron or 260 gm / sqm.	(1) For thickness of cable tray specifications will prevail. (2) Query is not clear
30	4	2.24.4	60	Minimum support should be 40 X 40 X 5mm GI angle.	As per the specifications min. support is 40 X 40 X 5mm GI angle whereas in Depot & Admin BOQ 25 X 25 X 4 mm GI angle support is mentioned. Kindly confirm preference.	Specification will prevail
31	4	2.27.1.4	61	The Gland shall be flame proof.	Kindly confirm requirement whether all glands shall be flame proof or weather proof.	Please follow specifications
32	4	3.13.5.1 & 3.13.7.1	80	Wherever required, outlet/ junction boxes of required sizes shall be fabricated from 1.6mm thick MS sheets except ceiling fan outlet boxes which shall be fabricated from minimum 3mm thick sheets.	Requesting to accept ceiling fan boxes of max. 2 mm thick for ease of machining / bending.	As per specifications
33	4	3.13.6.1	80	These shall be minimum 75mm x 75mm x 50mm deep and provided with required number of threaded collars for conduit entry. For ceiling mounted fluorescent fittings, the boxes shall be provided 300mm off center for a 1200mm fitting and 150mm off center for a 600mm fitting so that the wiring is taken directly to the down rod. 3mm thick Perspex/hylam sheet cover of matching color shall be provided.	Kindly confirm that 75mm x 75mm x 50mm deep box shall be used for ceiling mounted fluorescent fittings instead of surface JB's. Requesting to accept 2 mm thick Perspex/hylam sheet cover	As per BOQ and specifications
34	4	6.4.3.1	111	The pipe earth shall be as shown on the approved working drawing and shall be used for equipment earth grid. The earth electrode shall be 3.0m long, 50 mm diameter, 5mm thick galvanized steel pipe. The earth resistance shall be maintained with a suitable soil treatment as shown on approved working drawings and as per plate electrodes.	Pipe dia in some BOQ description is 40 mm dia and specification states 50 mm dia. Kindly confirm. Requesting to accept 2 mm thickness.	As per specifications
35	4	15	452	DG SETS	Kindly confirm DG set power / duty rating whether standby, prime or continuous.	Please refer specifications
36	4	3.1.4	22	RDSO Approved vendor	Kindly confirm that only battery & battery charger shall be from RDSO Approved vendor. UPS & inverter battery shall be as per approved UPS & inverter manufacturer recommendation.  Kindly confirm that only battery & battery charger shall be from RDSO Approved vendor while all other items shall be as per the list of approved makes.	Please refer specifications
37	4	3.1.4	22	MV/LV Switchboards	Kindly confirm that the panels can be sourced from the authorized / licensed channel partners of the approved OEM.	As per specification
38	4	3.1.4	22	Indicating Lamp and push buttons, APFC Relay & Meters ( Digital )	Requesting to approve ABB make.	PI follow clause 3.1.3 of PS, Vol.4
39	4	3.1.4	23	Light fittings	Requesting to approve Wipro and Crompton Greaves make.	PI follow clause 3.1.3 of PS, Vol.4
40	4	3.1.4	23	Lighting Poles.	Requesting to approve Bombay tube , Metal Coats and Crompton Greaves make.	PI follow clause 3.1.3 of PS, Vol.4
41	4	3.1.4	24	Battery and battery charger RDSO Approved vendor	Kindly provide contact details / approved vendors.	Please follow tender conditions.
42	4	3.1.4	24	Light Bus Trunking	Requesting to approve Schneider, EAE, Siemens, C&S make.	PI follow clause 3.1.3 of PS, Vol.4
43	4	3.1.4	26	Diesel Engine	Requesting to approve Kirloskar make.	PI follow clause 3.1.3 of PS Vol.4
44	4 & 7	MV Switchgear - General	—	As per specs panels should be confirming to IEC-61439, but as per BOQ notes it should be confirming IEC/IS (viz. IEC-61439, IS8623 etc.),	Kindly confirm actual requirement.	Kindly refer Addendum No.-1.

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45	4 & 7	MV Switchgear - General	—	As per specs sizing of bus bar to be considered as per IEC60890 for temperature rise assessment by extrapolation, but as per BOQ bus bar size shall be 1.4A/Sq.mm for depot & admin block and 1.4/1.2 per Sq.mm for stations.	Kindly confirm actual requirement.	Kindly refer Addendum No.-1.
<b>HVAC WORK</b>						
46	7	BOQ - Part B ECS (Depot), Part A Electrical (Station)	—	VRV System	Kindly add Refnet Joints, Corded & Central Remote Controller, Scheduled Timer and Drain Piping as measurable BOQ items (as provided in E&M Gaziabad and E&M Noida)	As per BOQ
47	7	BOQ - Part B ECS (Depot), Part A Electrical (Station), E&M Gaziabad, E&M Noida	—	VRV System	It is understood that DBs, Power Cabling, Cable Tray and Earthing for each VRV Outdoor & Indoor Unit are considered as BOQ items under Electrical Section	Please follow tender condition
48	7	BOQ - Admin	—	Chiller Plant Manager	Kindly add Sensors, Cabling, PVC Conduits as measurable BOQ items.	As per BOQ
49	7	BOQ - Admin	—	Air Handling Units	Kindly advise whether Air Handling Units are to be provided with UVC Emitters and also, whether VFDs are also to be included in AHU Cost.	Yes to be included
50	7	BOQ - Part B ECS (Depot), Part A Electrical (Station), E&M Gaziabad, E&M Noida	—	Ventilation System	It is understood that Starters, Power Cabling, Cable Tray and Earthing for each Ventilation Fan are considered as BOQ items under Electrical Section	Please follow tender condition
51	7	BOQ - Admin	—	Closed Expansion Tank	We propose to offer 150 L Capacity Closed Expansion Tank without any air / dirt separator. Kindly confirm	Please follow tender condition
52	4	3.1.4	25	List of Approved Makes	Kindly approve the following additional makes of Material: a) Variable Refrigerant Volume / Flow Units : Blue Star, b) BMS : Honeywell, Johnson, Sauter	Please follow clause 2.1.3 of PS Vol.4
<b>FIRE FIGHTING WORK</b>						
53	7	BOQ - Depot Sr. No. 1.a & 2	—	Main Fire Pump - Electric driven & Jockey Pump : Suitable cement concrete foundation in cement concrete 1:2:4 - 300mm high and 150mm projection on all side of base plate, 12mm thick cement plaster in cement mortar 1:4 finished with a floating coat of neat cement duly plastered with anti vibration pads.	BOQ calls for Pump foundation in Contractor scope. However for Diesel Pump & all fire pumps in other BOQ's "only design & drawings are to be provided by contractor & RCC foundation by Civil Conytractor" Kindly confirm .	Please follow BOQ
54	7	BOQ - Depot Sr. No. 3 & 3.b	—	Drainage Pumps - One set will comprise two submersible pumps with all accessories. The rate will include all supports, clamps etc	Kindly confirm weather the control panel for Operating 1 set (i.e) - 1working + 1 standby drainage pumps shall be included in cost of the pump or will it be a part of Electrical tender.	Please follow tender condition
55	4	12.6.3.1 External	178	Mild steel pipes, when laid underground, shall be protected against corrosion by a 4 mm thick bituminous tape with minimum 12 mm overlap over the entire length including fittings. Fittings shall be weldable wrought iron; suitable for butt-welding and 10% of the welded joints shall be radiographically tested and found in order.	BOQ dosent call for Radiography test on 10% of underground joints, whereas Technical specs call for it. Kindly confirm.	Please follow specifications
56	7	BOQ - Depot Sr. No. 9	—	The rate shall include supply and fixing stainless steel Single headed external yard hydrant valve with 1 no. 63 mm dia instantaneous FM Stainless steel coupling and cast iron wheel, ISI marked, conforming to IS 5290 (type A) with blank Stainless steel cap and chain, nuts, bolts, rubber gaskets etc. as required.	BOQ calls for FM Stainless Steel coupling, however the Single headed landing valve is conforming to IS standards. Kindly confirm the SS coupling shall comply to IS or FM Standards ?	Please follow Indian Standard.
57	7	BOQ - Depot Sr. No. 45	—	Providing , fixing, Commisionng and Testing Hydro pneumatic Pump of 1 working +1 Stand by +2 Pressure Vessel. Pumps of 300 LPM capacity , Required Pressure is 4.5 bar of Autocah wash Plant, each with cast iron Housing & SS impeller , motors including Control Panel and fixing with complete Assembly mounted on a single platform including all connections and Fittings complet for Auto coach wash plant.	Kindly confirm the head in meters for the Hydropneumatic pump.	Please follow BOQ
58	7	BOQ - Depot Sr. No. 47 & 47.1	—	Fire protective clothing & breathing apparatus - Qty 1 Nos.	Sr. No. 47 calls for Protective clothing Qty - 1 Nos, However Sr. No. 47.1 says "Set of protective clothing containing 2 nos." - Kindly confirm the Qty.	Please follow BOQ
59	5	Depot	—	Drawings	Kindly share the Site Plan & Pump room Drawings for Depot.	Will be shared with the contractor. Bidder can visit the site.

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60	4	12.11.15	—	Protection of sprinklers : Any sprinkler installed in a position of risk or accidental damage shall be fitted with a metal guard suitable for sprinkler service.	Kindly confirm the exact number of sprinklers to be provided with sprinkler guard.	This will be provided after WRD to be prepared by the contractor
61	7	BOQ - Station Sr. No. 1.4.iii	—	38mm synthetic synthetic hoses (UL Listed) with 63mm instantaneous SS coupling, IS marked- 15 m x 2 lengths with suitable arrangement of connecting the hose pipe with coupling as required.	Kindly confirm weather the Synthetic Hose shall be conforming to IS Standards of UL listed ? As in all other BOQ's it calls for IS standard.	Please follow BOQ
62	7	BOQ - Station Sr. No. 4	—	Sprinkler System: Installation Control Valve & Sprinklers.	BOQ has line item for Installation Control Valve & Sprinklers, however thier pipe routing and location are not shown in the drawings. Kindly provide the drawings for Sprinkler piping.	Only in stations with PD area, sprinkler pump is being provided.
63	7	BOQ - Station Sr. No. E.11.1		Supply, installation ,testing and commissioning of Digital Addressable Fire Alarm Panel having addressable features (Capable of giving individual address of each Detector ). The Panel should have advance ARM based microprocessor/Microcontroler & with RS 485 / RS 232 communication for peer to peer Networking. minimum (80 character alphanumeric LCD Display), field programmable through alphanumeric Keyboard,Event logging with indicators, stand by SMF lead acid battery (suitable for 48 hours normal operation & minimum 30 minutes for full load operation),complet with common hooter, battery charger, battery box, etc. as required, The panel shall have facility of automatic dialling (opcional) to 5 telephone numbers in case of alarm. Each zone should have provision of activation of hooter (opcional). The Panel should have provision to expand upto 32 Zones .The panel shall have minimum 4 No .NO/NC Contact.	As you have asked for Addressable panel with 32 ones..it is nt possible as addressable panel has loops not zones. 5 telephone nos is possible with the use of GSM Autodialer	Please follow tender condition
64	7	BOQ - Station Sr. No. E.11.4		Supplying, installing, testing and commissioning of Public Announcement System complete as required and with the following:	Qnty given is 16 please let us know the no. of Speakers and their watts. Call station of maximum 6 Zones are available in Analog unless it is Digital Public Address System.The controller is not been asked in BOQ eith this you can controll the paging for announcement.Maximum Zone in Controller is 6 Zones expandable upto 60 Zones only in Analog Systems and Maximum upto 256 zones in Digital system. Please let us know exactly you requirement is it Digital PA or Analog PA	Please refer item 3.6 of BOQ
65				240 Watt amplifier		Please follow specifications and BOQ
66				Console Rack		Please follow specifications and BOQ
67				Alarm Signal Generator		Please follow specifications and BOQ
68				10 zone Floor Selector switch with all call		Please follow specifications and BOQ
69				Control module for connectivity of Fire Alarm Control Panel		Please follow specifications and BOQ
70				Microphone		Please follow specifications and BOQ
71	7	BOQ. Ghaziabad Finance Sr. No. S. 51.1		Supply, installation, testing and commissioning of Main fire alarm panel of 32 Zone / required number of loops. The panel shall be microcontroller based with its own fire detection loop / zone interface card for initiating and indicating devices and should also be networkable with other module & repeater panel. the fire alarm panel & repeater panel, module should be connected through RS 485 interface, standby battery for 24 hours with power supply & battery charger. The panel shall have its own operating system, EPROM for event logging system, autodialler etc. as required. The panel box should be constructed with CRC sheet with powder coating. The panel should have necessary provision for interface with Building Management System. The panel shall come complete with:	As you have asked for Addressable panel with 32 ones..it is nt possible as addressable panel has loops not zones. 5 telephone nos is possible with the use of GSM Autodialer	For Dilshad Garden-GZB section conventional fire alarm system is needed .
72	7	BOQ. Noida Finance Sr. No. S. 51.1		Supply, installation, testing and commissioning of Main fire alarm panel of 32 Zone / required number of loops. The panel shall be microcontroller based with its own fire detection loop / zone interface card for initiating and indicating devices and should also be networkable with other module & repeater panel. the fire alarm panel & repeater panel, module should be connected through RS 485 interface, standby battery for 24 hours with power supply & battery charger. The panel shall have its own operating system, EPROM for event logging system, autodialler etc. as required. The panel box should be constructed with CRC sheet with powder coating. The panel should have necessary provision for interface with Building Management System. The panel shall come complete with:	As you have asked for Addressable panel with 32 ones..it is nt possible as addressable panel has loops not zones. 5 telephone nos is possible with the use of GSM Autodialer	for NOIDA (32-62) section, conventional fire alarm system is needed
73	4	12.8.1.1.i		Fire trace tube	Please use generic specification. The word "Fire trace tube" to be replaced as "Flexible polymeric Heat Sensing tube" for automatic fire suppression system made by special modified Polyamide (PA), grade HR quality, Inner diameter 4mm, Outer Diameter 6 MM, Melting Point approx. 220 degrees Celsius when heating up with 10 K/minute, Steady load tested up to max. 80° C. The lowest operating temperature is stipulated at minus 40°C. Burst Pressure at 20 Deg C approx. 120 Bars.	1. Kindly refer Addendum NO.-1. 2.Please refer clause 12.8.5 of PS Vol IV for tech specs
74	4	12.8.2.1		The design and installation of the clean agentgas based Fire Trace tube system is based on the latest applicable codes and also as per the manufacturer's recommendations;	Kindly specify the code/standard for fire trace tube system design and installation.	NFPA-2001

Sr. No.	VOLUME	CLAUSE No. / BOQ Sr. No.	PAGE No.	DESCRIPTION	QUERY	CLARIFICATION
75	4	12.8.3.c		The design, manufacturing and installation shall be such that there is no maintenance requirement and shall have built-in features for condition monitoring without requiring opening of any part of the installation. In case it is unavoidable for the vendor, the contractor shall seek approval of the engineer at the time vendor approval with the submittal of maintenance manual.	Please use generic specification. System shall be periodically checked as per manufacturer recommendation.	Please follow specification.
76	4	12.8.3.d		All devices used in the installation shall be capable of functioning satisfactorily between - 29°C and 45°C.	Please specify the code/standard from which relevant operating temperature has been picked up.	NFPA-2001
77	4	12.8.3.e		For enclosed tight electrical equipment, the quantity of Clean agent for extended concentration of at least 30% throughout the declaration period or for a minimum of 20 minutes.	Please specify the code/standard from which relevant clause has been picked up.	NFPA-2001
78	4	12.8.3 - h to n			These point are contradictory with low pressure clean agent direct system. Please removed or correct the specification as per actual requirement.	No Change in Tender Condition.
79	4	12.8.3.o		Panel flooding system shall be integrated with nearby detector, which will send the signal to FACP incase of actuation of Clean Agent gas panel flooding system.	Please use generic specification. Panel flooding system shall be integrated with nearby module of existing fire alarm system, which will send the signal to FACP incase of actuation of Clean Agent gas panel flooding system.	Please follow specifications which are already generic.
80	4	12.8.4.6		The system should have fast response - less than 10 seconds.	This is applicable with total flooding system of halocarbon clean gases based total flooding system only. Time response for tube based system depends upon how fast heat/flame reaches to burst the tube.	Please follow tender conditions
81	4	12.8.4.7		The system should extinguish fire at early stage and should <b>trigger automatically and also manually</b> .	The both Automatic and Manual trigger option could be possible in Indirect system only. Manual trigger with direct system is not possible. Please check and revise the specification accordingly.	Please follow tender conditions
82	4	12.8.5 - a to h		Technical specifications of fire trace tube	Black colour tube is better than red colour tube because of it UV resistance with pressurization of tube using nitrogen gas.	Please follow specifications.
83	4	12.8.5 - i to I		Cylinder valve	Requesting to use valve with integrated ball valve, inbuilt pressure gauge and reed switch to control and monitor the system. i.e Brass Valve, 25E Dip Tube thread M10 x 1, Busting Disc : 250 Bars, Integrated position control for valve : activated - not activated, integrated position control for ball valve : Open / Close. Approved by Zulassungsverfahren läuft (TPED (99/36 EC)), manufactured at ISO 9001 certified factory. Valve have built-in integrated ball valve within the valve body and fitted with relay switch to monitor the position of the ball valve for Open / Close. A separate audio visual monitoring device to be placed to monitor the position of the ball valve for open / close as well as to monitor the pressure in the system. ^ The valve has an inbuilt pressure gauge to show the pressure inside the cylinder. ^ The valve has an integrated Position Control reed switch of the Ball valve for "Open" & "Close" positions	Please follow specifications.
84		12.8.5 -n		The cylinder will be mounted on automatic weight measurement system.	Not applicable for proposed system. Cylinder pressure can be monitored with help of gauge provided on the cylinder valve.	Kindly refer Addendum No.-1.
85				The proposed system is a direct release low-pressure system with UL & FM approval.	Please clarify the following: 1. How is direct release if all above specification envisaged for indirect system. 2. How is it low pressure system with CO2 gas. 3. UL & FM approval under which standard.	Please follow tender conditions

Sr. No.	VOLUME	CLAUSE No. / BOQ Sr. No.	PAGE No.	DESCRIPTION	QUERY	CLARIFICATION
86				Clean agent container DOT approved ( Design and fabrication of agent containers shall be as per Indian standard (BIS 15683).)	Design and fabrication of agent containers shall be as per Indian standard (BIS 15683).	Please follow tender conditions
87	4	12.8.1.1	189	f. Providing manual arrangement for discharge of gas inside the above panels	Only in case of IHP (DHP can not have this.)	Applicable for total flooding system
88	4	12.8.1.3	189	The panels to be protected shall be determined as per the approval of the engineer in charge	Tender will not describe the panels?	To be decided after finalisation of panel design
89	4	12.8.3	190	f. All cylinders in the battery shall be interchangeable.	Why they are needed to be interchanged? The capacity will be decided based on the volume of the panel. Kindly explain this point.	Please follow specifications.
90	4	12.8.5.o	190	Panel flooding system shall be integrated with nearby detector, which will send the signal to FACP incase of actuation of Clean Agent gas panel flooding system.	Interfacing with the detector or line?	Please follow specifications.
91	4	12.8.5.f	191	The tube under 12 bar pressure should rupture in case of fire between 5 to 45 sec depending upon the rate of temperature.	Pl. clarify..	Please follow specifications.
92	4	12.8.5.n	192	The cylinder will be mounted on automatic weight measurement system.	Only for CO2. ?	Kindly refer Addendum No.-1.
93	4	12.8.9.j	193	j. Fill in adaptor to change the tube	Is it charge the tube?	Yes, it is charge
94	4	12.8.9.r	193	r. NRV	Where & why is this required?	This is for total flooding system
95	7	BOQ - Admin Sr. No. E 09.4		The operating panel shall have minimum 460 character LCD display, 4 access levels, 1000 events historical logging, flash E-PROM, 240 volts ac power supply, automatic battery charger, 24V sealed lead-acid battery suitable operating the system for 24 hours in emergency condition	In Panel LCD display is of 640 Character instaed of 460 character.	Please follow BOQ which states 'minimum as 460 characters.
96	4	3.1.4	—	Approved Make List	We request you to kindly approve the following additional makes of Material.	PI follow clause 3.1.3 of PS Vol.4
					1) Tube Flooding System - Ceasefire / Pyroguard	PI follow clause 3.1.3 of PS Vol.4
					2) Hydrant Valve - Safeguard /	PI follow clause 3.1.3 of PS Vol.4
					3) Sprinklers - HD/ Kartar (UL listed)	PI follow clause 3.1.3 of PS Vol.4
					4) Non Return valve & Butterfly valve - Advance	PI follow clause 3.1.3 of PS Vol.4
					5) Ball valve - Zoloto	PI follow clause 3.1.3 of PS Vol.4
					6) Air Release valve - RB / OR	PI follow clause 3.1.3 of PS Vol.4
7) Fire Detection & Alarm - Coooper	PI follow clause 3.1.3 of PS Vol.4					
<b>COMMERCIAL</b>						
97	1	E4	36	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 bidder can submit alternative technical bids and DMRC invites the same.	Kindly Refer addendum No.-1
98	2	8.5	40	Liquidated Damages for Delay : The liquidated damages are recovered by the Employer from the Contractor for delay and not as penalty.	We understand that only Liquidated Damages for Delay as per clause 8.5 shall be applicable and there shall be no penalty recovered from the contractor.	Please follow tender conditions
99	2	8.5	40	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.	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.	Please follow tender conditions
100	2	11.6	15	DMRC project is covered under Project Import chapter 98.01 of Custom Tariff Act according to which only concessional custom duty is payable. The tenderer should avail this benefit. As regards registration under Project Import, after the award of the contract, DMRC at the written request of a contractor shall facilitate the contractor for obtaining sponsoring / recommendation letter from the Ministry of Urban Development for getting themselves registered for availing Project Import benefits. The responsibility to avail the concessional benefits under Project Import shall solely rest with the contractor.	Kindly advice concessional Custom Duty to be considered for all material / equipment.	Refer sub clause 11.1.1 of SCC
101	2	11.6	15	Service Tax : The Tenderers are also to note that as per Notification No. 12/2012-Service Tax dated 17.03.2012, under section 93(1) read with section 66(B) of the Finance Act, services by the way of erection or construction of original works pertaining to railways are exempted from the whole of the service tax leviable thereon. The Bidder shall examine to make his own assessment in regard to service tax liability in the contract. No separate service tax reimbursement will be made by DMRC. If applicable, service tax on the imported services which are part of the contract will be deducted and deposited by DMRC under Reverse Charge Mechanism.	Kindly confirm that service tax is not applicable for this contract package.	please refer sub clause 11.1.1 of SCC



Sr. No.	VOLUME	CLAUSE No. / BOQ Sr. No.	PAGE No.	DESCRIPTION	QUERY	CLARIFICATION
102	2	24 Sub Clause 11.1.1. C	16	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.	<p>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.</p> <p>We request that in case of introduction of new taxes like GST; the existing taxes may be abolished / changed. In such a scenario the contractor shall be compensated accordingly. Kindly confirm.</p>	Please follow tender conditions
103	2	25 Sub Clause 11.1.3	16	Price variation	Requesting to accept price variation as per RBI indices applicable from the date of award of contract.	Please follow tender conditions
104	2	17.9	65	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 both the arbitrators. Please confirm.	Please follow tender conditions
105	2	Schedule 5 : Contractor's warranty.	122	Contractor's warranty : (c) he will replace free of cost to the Employer any defect or failure of equipment provided in the Works for a period of 24 months from the last date of taking over of a Section of the Works;	<p>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.</p> <p>Kindly provide details of section of works.</p>	Please follow tender conditions
106	2	11.6	48	Payment - Interim and final. - Terms of payment.	<p>Kindly provide terms of payment for the following and we request to accept the percentage payment of the quoted value as mentioned under:</p> <p>a) Against supply of material / equipment on pro-rata basis. - 80 % of quoted value.</p> <p>b) Against installation of material / equipment on pro-rata basis. - 10 % of quoted value.</p> <p>c) Against testing of material / equipment on pro-rata basis. - 5 % of quoted value.</p> <p>d) Against handover of material / equipment on pro-rata basis. - 5 % of quoted value.</p>	Please refer payment terms in preamble (in BOQ)
107	2	41	21	Retention money.	We request to accept a BG of equal amount against retention of money from our RA bills.	Kindly Refer addendum No.-1
108	2	SCC : Clause No. 59	27	Safe Custody Bank Guarantee	We request to accept indemnity bond, instead of safe custody BG.	Kindly Refer addendum No.-1
109		General		Pre Bid Queries	As we are still awaiting comments on tender specifications from manufacturers, kindly give us time till October 27, 2015 for submission of additional queries, if any	No Change in tender Condition.

S.No.	Volume	Section	Page No.	Clause	Item	Relevant Abstract from Tender	Query	Reply By DMRC
110	Vol-1 & Vol-2	NIT & ITT	Cl. No. 1.1.4.1 (II) (b) Cl. No. A 3.2 (b)	Page No. 2 & Page No. 14	Conflict of interest	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 request you to kindly confirm that vendors mentioned under approved vendor list will be treated as sub-vendors only and not as "sub-contractor".	Tender Condition are clear. No change in Tender condition.
111	Vol-1	FOT Appendix -1	Page 82	Sl. No. (iii)	Time for completion	"Time for completion" of the work from the date of commencement of the work is 24 months	We would like to bring to your kind notice that there is discrepancy in the duration for completion of the project. i.e., as per the clause under reference it specified as 24 months, however as per Cl. No. 1.1.2 of NIT it is mentioned as 20months. Please clarify whether the duration for completion of the project is 24 months or 20 months?	Kindly refer Addendum No.-1.
112	Vol-1	Appendix-16	Page 101	--	Minimum key staff requirement	Minimum key staff requirement	We would like to bring to your kind notice that the key minimum staff requirement specified under the referred clause is extraordinarily on higher side. A total of 19 Engineers, 4 Experts and 37 Supervisors (One for each station), 5 Operators is mentioned which is equal to 65 staff which is exorbitantly high for metro E&M works of this nature. We presume that it is a typographical & it can stipulated that the Contractor has to deploy sufficient manpower for successful & timely completion of the project as per the Key Dates. Please confirm.	No Change in Tender Condition

S.No.	Volume	Section	Page No.	Clause	Item	Relevant Abstract from Tender	Query	Reply By DMRC
113	Vol-2	SCC	Page 15 of 28	Cl. No. 24.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.	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
114	Vol-2	GCC	Page No. 40 of 66	Cl. No. 8.5	Liquidated damages	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, <b>the total ceiling limit of which is 15% of the contract value</b> 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 i.e., 15% of Contract Value is too high. We request you to kindly modify the same to ceiling maximum of 5% of Contract Value which shall be recovered at the rate of 0.25% of the undelivered portion milestone value per one week delay. Please confirm.	No Change in Tender Condition
115	Vol-2	SCC	Page No. 15 of 28	Cl. No. 23	DLP	Defect liability period - Not Used	We request you to please mention Defect Liability Period duration.	Kindly refer Addendum No.-1.
116	Vol-2	SCC	Page No. 16 of 28	Cl. No. 25	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..	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) 1.1KV cable, 415V Switchgear, (ii) 415V Bus duct & trunking sytem Kindly accept and confirm.	No Change in Tender Condition.

S.No.	Volume	Section	Page No.	Clause	Item	Relevant Abstract from Tender	Query	Reply By DMRC
117	Vol-2	SCC	Page No. 27 to 58	Cl. No. 59	Safe Custody Bank Guarantee	The Contractor shall submit a Safe Custody Bank Guarantee in the format given in Schedule 9 against payments made for Plant and Equipment dispatched to sites and stores in DMRC network in Delhi/NCR. The amount of safe custody Bank Guarantee shall be equal to 95% percent of the amount due as per the relevant clause of (BOQ) wherever applicable. The value of the Safe Custody Bank Guarantee would be adjusted for the equipments already commissioned.	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 uncompetetive.  Hence we request you to kindly waive the requirement of Safe Custody Bank Guarantee.	Kindly refer Addendum No.-1.
118	Vol-2	SCC	Page No. 15 of 28	Cl. No. 22 Sub Clause 9.1	Taking over certificate	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...	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.  The Warranty/DLP period will start from such date of Deemed Take-Over. Please confirm	Tender Condition are clear. No change in Tender condition.
119	Vol-1	ITT	Page 25	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-03' is a fixed Item Rate Contract, this clause shall not be applicable. Hence kindly delete this clause.	Tender Condition are clear. No change in Tender condition.
120	Vol-4	Sec-3	Page No. 22	Cl. No. 3.1.4	List of approved makes	List of approved makes	We would like to bring to your kind notice that there are certain items for which only 1 or 2 makes are specified in the approved vendor list. In those cases we request you to kindly accept any other equivalent make in order to avoid monopoly. Please confirm.	Kindly refer Addendum No.-1.

S.No.	Volume	Section	Page No.	Clause	Item	Relevant Abstract from Tender	Query	Reply By DMRC
121	Vol-2	GCC	Page 42 of 66	Clause No. 9.2	Taking over of Parts of the Works	The Engineer may, at the sole discretion of the Employer issue a Taking Over Certificate for any part of the Permanent Works by following the procedure stipulated in Clause 9.1 above if: <b>(a) the Employer uses that part of the Works for revenue service before the Taking Over Certificate is issued for the entire work.</b> (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	Tender Condition are clear. No change in Tender condition.
122	Vol-2	GCC	Page 59 of 66	Clause No. 14.6	Limitation of Liability	..... 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.
123	Vol-2	SCC	Page 16 of 28	Clause 24 D (b)	Para 2	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.
124	Vol-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.
125	Genral				High sea sales	--	Please clarify whether the equipment under this project can be shipped on High Sea Sales basis?	High Sea Sales is not permitted.
126	Genral				C form	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
127	Vol-2	SCC	Page 15 of 28	Cl. No. 24	Contract Price	Contract Price	We request you to kindly clarify the following, (i) Whether Octroi or Entry Tax to be included in the Price Bid ? (ii) Whether Octroi or Entry Tax shall be considered for price bid evaluation? (iii) Whether Octroi or Entry Tax shall be reimbursed by DMRC?	Tender Condition are clear. No change in Tender condition.

S.No.	Volume	Section	Page No.	Clause	Item	Relevant Abstract from Tender	Query	Reply By DMRC
128	Vol-2	GCC	Page No.13 of 66	Cl. No.2.3	Permits, Licenses and Approvals	Permits, Licenses and Approvals	As per tender document, it shall be Contractor's exclusive responsibility to get approvals, permits or license required for the Contract. We presume that our scope is limited to getting approval from CEIG / CEA only.	Tender Condition are clear. No change in Tender condition.
129	General	-	-	-	High Sea Sales	High Sea Sales	Please clarify whether the equipment under this project can be shipped on High Sea Sales basis?	High Sea Sales is not permitted.
130	Vol-2	SCC	Page 18 of 29	Cl. No.28	Recovery of Advances	Recovery of Advances	We presume that there shall be no recovery of advances paid to the contractor. PI confirm	Tender Condition are clear. No change in Tender condition.
131	Vol-2	SCC	Page 2 of 28	Cl. No. 47	Stage Payment		We request you to please specify the terms of payment.	Please refer to Preamble clause no. 1.2.3 of BOQ (vol.7)
132	Vol-2	SCC	Page 19 of 28	Cl. No. 35	Quantity Variation	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.	Please restrict the quantity variation of individual item to $\pm 15\%$ of tender specified Bill of Quantities. Further we request you to please confirm that the variation in the quantities derived during detailed engineering shall be implemented only for this project i.e., NE-03. Please confirm.	Tender Condition are clear. No change in Tender condition.

SI No.	Page/ Drawing Sheet No.	Volume Of Tender Document/ Section	Clause No./Sec/ Volo No./Drawing No.	Sub Section/ Drawing Heading	Short Description as per Tender Document	Pre-bid Queries from Contractors	Reply by DMRC
133	Page: 169	Vol-4	12.4 Fire pump	a)	The pumps should be with mechanical seal of reputed make.	The pump should be with graphite gland seal	<b>Please follow tender conditions</b>
134	Page: 169	Vol-4	12.4 Fire pump	b)	Pump casing shall be of close-grained cast iron (grade FG 200, IS 210) with bronze impeller. The shaft sleeve shall be brass or SS 304/SS410 and the trim shall be brass or bronze.	Pump casing shall be of close-grained cast iron (grade FG 206) which now available in market instead of (grade FG 200)	<b>Please follow Specifications</b>
135			Fire System		Beam Detector is not covered in BOQ	Request you to please include the same and issue ammendment	<b>Please follow tender conditions</b>
136	Page No 22	Vol-4 PART A	3.1.4	MV/LV Switch board SI No 1	Tricolite ,L&T,GE Schnieder, Unilec ,Neptune ,Adlec, Sudhir genset, ABB	Jakson being Licensed channel partner of ABB . Please include jakson name in the list as per clause 1.5.2 of the tender	<b>Please follow clause 3.1.3 of PS Vol.4</b>
137	Page No 22-23	Vol-4 PART A	3.1.4	Meters ( Digital ) SL No 11		Please include ABB make in the same	<b>Please follow clause 3.1.3 of PS Vol.4</b>
138	Page No 23	Vol-4 PART A	3.1.4	Indicating Lamp and push buttons SL no 13		Please include ABB make in the same	<b>Please follow clause 3.1.3 of PS Vol.4</b>
139	Page No 23	Vol-4 PART A	3.1.4	APFC Relay SL No 14		Please include ABB make in the same	<b>Please follow clause 3.1.3 of PS Vol.4</b>
140	Page No 23	Vol-4 PART A	3.1.4	LightFitting SL no 1		Please include Wipro make in the same	<b>Please follow clause 3.1.3 of PS Vol.4</b>

SI No.	Page/ Drawing Sheet No.	Volume Of Tender Document/ Section	Clause No./Sec/ Volo No./Drawing No.	Sub Section/ Drawing Heading	Short Description as per Tender Document	Pre-bid Queries from Contractors	Reply by DMRC
141	Page No 27	Vol-4 PART A	3.1.4	PLC make SL no 43		AMF Logic is through Cummins Microprocessor DG Controller	<b>Please follow clause 3.1.3 of PS Vol.4</b>
142	Page No 27	Vol-4 PART A	3.1.4	AMF Panel SL no 44		Jakson being Licensed channel partner of ABB . Please include jakson name in the list as per clause 1.5.2 of the tender	<b>Please follow clause 3.1.3 of PS Vol.4</b>
143	Page: 2/69	PART-A ELECTRICAL (DEPOT)	E.01.1	K)	MCCB's shall have minimum electrical endurance of the order of 7000-8000 operation cycles.	MCCBs shall have 25000 Mechanical Operations upto 250A and 20000 mechanical Operations upto 630A with Electrical life of 8000 operations upto 320A and 7000operation for 400A and 5000 operations for 630A.	<b>Please follow the specification.</b>



SI No.	Page/ Drawing Sheet No.	Volume Of Tender Document/ Section	Clause No./Sec/ Volo No./Drawing No.	Sub Section/ Drawing Heading	Short Description as per Tender Document	Pre-bid Queries from Contractors	Reply by DMRC
144	Page: 23	VOL-4	1.9.6	1.9.6.1	Total discrimination up to the design fault level must be available between the various elements of switchgear (ACB, MCCB, MCB etc) selected.	Total discrimination is available between ACBs & MCCBs not MCBs.	<b>Please follow tender conditions</b>
145	Page No 455	Vol-4 PART B	15.4.4	Voltage Regulation	Voltage regulation from no load to full load +/-0.5%	Voltage regulation shall be +/- 1% for 125 KVA and 160KVA Dg Set as per manufacturer standard design	<b>Please follow tender conditions</b>
146	Page No 457	Vol-4 PART B	15.8.1 a)	Construction	Electronic Governor	As per manufacturer standard design 125KVA DG Set shall be provided with Mechanical Governor	<b>Please follow tender conditions</b>
147	Page No 457	Vol-4 PART B	15.8.1 o)	AMF Panel	AMF Panel shall be the part of DG ,with in DG canopy Only.	AMF Panel shall be placed outside the Acoustic enclosure	<b>Please follow tender conditions</b>
148	Page No 471	Vol-4 PART B	15.16.2	Data Sheet AMF Panel	AMF Panel shall be the Indoor cubicle dead front	AMF Panel Need access from both front and back	<b>Yes, it is agreed that AMF pannel should have access from both front &amp; back.</b>

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149	Page No 458	Vol-4 PART B	15.8.3	AMF Panel	The Fuel Diesel Tank shall be inbuilt under frame in such a way that allows correct suction pressure to the Fuel lift pump of the Generator set when the fuel in the tank is at any level between low level and high level.	990 Litre Day Oil Tank shall be placed outside the Acoustic enclosure	<b>Please follow tender conditions</b>
150	92	Volume 4, Part- B	4.6.1	NA		Do all the luminaires have to be strictly as per the specs/details as mentioned in tabular form or the luminaires have to comply with the specifications mentioned on page no's 90-clause 4.4, page 91 - clause 4.5, page 96 & 97 - clause no's 4.9 & page no. 97 to page 90. 99 - Clause no. 10.1 to 10.5	<b>Please follow tender conditions</b>

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151	92 & 94	Volume 4, Part- B	4.6.1, Station, Type of Fixture A & 4.6.1, Depot, Type of Fixture A	NA		Please confirm whether CRCA construction luminaires can also be used.	<b>Please follow tender conditions</b>
152	92 & 94	Volume 4, Part- B	4.6.1, Station, Type of Fixture B & 4.6.1, Depot, Type of Fixture B	NA		Does 90% efficacy imples "system efficacy of 90 Lumens/Watt, please carify.	<b>Please follow tender conditions</b>
153	93	Volume 4, Part- B	4.6.1, Station, Type of Fixture D	NA		Please confirm whether CRCA construction luminaires can also be used.	<b>Please follow tender conditions</b>
154	93	Volume 4, Part- B	4.6.1, Station, Type of Fixture F	NA		The specified lamp type should be CFL instead of T5, kindly clarify.	<b>Please follow tender conditions</b>
155	93	Volume 4, Part- B	4.6.1, Station, Type of Fixture J	NA		1) The specified lamp type should be T5 instead of LED, kindly clarify. 2) If LED, then kindly specify the system wattage range.	<b>Please follow tender conditions</b>

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156	95	Volume 4, Part- B	4.6.1, Depot, Type of Fixture J	NA		<p>1) Description of light states that it has to be T5 Fluorescent Light 1x36W, instead of T5 it should be T8 1X36W lamps as 36W lamps are of T8 type &amp; not T5 type. If T5 lamps are required, then wattge has to be either 28W/54W.</p> <p>2) The standard available dust &amp; moisture proof luminaires for 28W/36W/54W fluorscent lamps are generally of IP65 rating, kindly confirm whether IP65 rating shall acceptable.</p>	<b>Please follow tender conditions</b>
157	95	Volume 4, Part- B	4.7	NA		Plug & Sockets shall be part of electrical sytem & not incorporated in Luminaires.	<b>Please follow tender conditions</b>
158	96	Volume 4, Part- B	4.8	NA		Time switches shall be part of electrical system (at Electrical Panel Level) & not the part of luminaires.	<b>Please follow tender conditions</b>

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159	98	Volume 4, Part- B	4.10.2 , C)	NA		Since the said project is not in coastal areas, is this clause still applicable. Please confirm.	<b>Please follow tender conditions</b>
160	98	Volume 4, Part- B	4.10.3.2, C)	NA		As per tender document, :Minimum view angle of the LED shall not be less than 1200" instead it should be 120 Degrees. Please clarify.	<b>Kindly refer Addendum No.-1</b>
161	99	Volume 4, Part- B	4.10.4.1, H)	NA		It is mentioned that LED drivers should have an option for dimming, kindly clarify below points: 1) Fixtures can have either a dimmable driver or normal electronic driver. A dimming driver can be used in normal condition (without dimming protocol being used/implemented). If a non-dimmable driver is used, then fixtures can not be dimmed. 2) If dimming is to be provided, then what kind of dimming protocol is required, DALI dimming or Analogue dimming.	<b>Please follow tender conditions</b>

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162	102	Volume 4, Part- B	5.3.4.1	NA		<p>1) It is mentioned that Octagonal poles should be as per IS 2713 but <b>IS 2713 is not applicable for octagonal poles.</b></p> <p>2) IS 2713 is for Tubular Steel (Swaged &amp; Telescopic) Poles &amp; not applicable for Octagonal Poles.</p> <p>3) GI conduit Pipes are generally used in Swaged Type poles where junction box is placed externally.</p> <p>4) . In octagonal poles, Loop in loop out terminal board is provided instead of multi ways porcelain connector and fuse board.</p>	<b>Please follow tender conditions</b>
163	104	Volume 4, Part- B	5.4.3.1	NA		20M HM shall be in 2 section & 30M HM shall be in 3 sections.	<b>Please follow tender conditions</b>

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164	108	Volume 4, Part- B	5.4.11	NA		The specification asks for 3-Phase, external power tool but the available power tools in the market are not suitable for high mast application. Hence we propose to use single-phase power tool.	<b>Please follow tender conditions</b>
165	NA	Volume 4, Part- A	E.08			It states that all lighting fixtures should have Astro timer for automatic operation. This Astro timer shall be used/installed in electrical network at panel level & not in every luminaire, Please clarify.	<b>Astro timer will be installed in lighting circuit at distribution board</b>

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166	NA	Volume 4, Part- A	E.08, 3.1 General Points			<p>1) please provide the details for ELV cable pipe.</p> <p>2) Please provide the drawings/sketch for poles. Or Provide the necessary ELV equipment details (dimnensions &amp; weight) to work out the structural design for poles &amp; arrive at final GA drawing. If detailed drwing can not be provided, kindly provide a sketch explaining the general arrangement of ELV equipments.</p> <p>3) Where will the terminal box of 75 mm. wide and 210mm long for accommodating ELV services connector etc. be placed, inside the pole or outside?</p>	<b>It will be provided at the stage of detailed design &amp; WRD</b>
167	Page: 1R1 of 57	BOQ E&M works (Ghaziabad & Noida Finance V)	E.01.	1	Panels confirming to relevant IEC 60439	Panels shall be TTA type or PTTA type (As per specs, all panels shall confirm with IEC 61439).	<b>Kindly refer Addendum No.-1</b>
168	<b>COMMERCIAL</b>						



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169	Page: 82	Vol-1	Form of Tender Appendix -1	SI no iii	Time for completion' of the work from the date of commencement of the work 24 months	As per NIT same is 20 months please confirm	<b>Kindly refer Addendum No.-1</b>
170	Page:28	Vol-1	C 10	Payment Schedule	The payment schedule is given in Bill of Quantity/Pricing Document (Volume 7) according to which the interim on account stage payment shall be made to the Contractor.	please confirm payment schedule as same is not available in online downloaded Bill of Qty ( Volume -7)	<b>Payment schedule is given in Preamble (BOQ Vol. VII)</b>
171	Page:	Vol-2 SCC	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.	Please allow Taxes/Duties variation as GST may be applicable during Tenure of Contract.	<b>Please follow tender conditions</b>
172		Checklist File	ChecklistNE03I			Contract Name mentioned in excel file Heading is wrongly mentioned of traction pacakge	<b>Kindly refer Addendum No.-1</b>

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<b>ELECTRICAL</b>							
173	7	BOQ			Coulmn for rates in words	There is no formula for converting rates in digits to rate in words. Please provide amended BOQ accordingly.	<b>Kindly Refer addendum No.-1</b>
174	4	Particular Specifications	1.14	3	low voltage main switchboard is as defined in IEC/EN 61439-1....	As per specs panels should be confirming to IEC-61439 but as per BOQ notes it should be confirming IEC/IS (viz. IEC-61439,IS8623 etc.). Please confirm actual requirement.	<b>Please follow clause 1.1.4 of PS</b>
175	4	Particular Specifications	1.6.22	8	spare Space capacity of 10% for the future expansion if specifically asked in BOQ...	As per specs 10% spare space for future expansion if specifically asked in BOQ but as per BOQ notes it should be 25% or 15%. Please confirm actual requirement.	<b>Please follow clause 1.6.22 &amp; clause 1.2 of BOQ general</b>
176	4	Particular Specifications	1.7.2	9	The copper earthing busbar inside the panel shall be tin-plated and cross-sectional area selected as mentioned in IEC 61439	As per specs sizing of bus bar to be considered as per IEC60890 for temperature rise assessment by extrapolation, but as per BOQ bus bar size shall be 1.4A/Sq.mm for depot & admin block and 1.4/1.2 per Sq.mm for stations. Please confirm actual requirement.	<b>PS clause 1.7.2 is regarding earthing of panel whereas BOQ busbar is for load current</b>
177	7	BOQ	Subhead-E.03 of Depot BOQ	Item no. 2.20	Lugs	Please clarify the applicability of this item.	<b>Kindly refer Addendum No.-1</b>
178	7	BOQ	Subhead-E.03 of Station BOQ, E&M Ghaziabad & E&M Noida	Item no. 2.2 & 2.3	Cable tray in kg....	Please specify the application of this item as items of trays are already there in BOQ. If trays are supplied in kgs then there may be descrepancy in rates w.r.t. the existing items.	<b>Item 2.2 is for perforated cable tray. item 2.3 for raceway in floor.</b>
179	7	BOQ	Subhead-E.03		Point wiring...	Please provide lighting and power layout drawings for calculating point lengths.	<b>This drawing to be prepared by contractor.</b>

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180	7	BOQ	Subhead-E.03 of Station BOQ	Item no. 3	Bus trunking	Fault level should be 9.6 kA (Ipk) for 1 mili sec. Please confirm.	<b>Please follow tender conditions</b>
181	7	BOQ	Subhead-E.03 of Station BOQ	Item no. 3	Tap off boxes	Units of tap off boxes should be in numbers. Please amend.	<b>yes in numbers. Kindly refer Addendum No-1</b>
182	7	BOQ	Subhead-E.03 of E&M Ghzbd & E&M Noida BOQ	Item no. 3	F/H insulation....	Please specify class of insulation (F or H). Also, as per clause no. 9.5.1 of specification min. class B is asked. Please clarify.	<b>Please follow tender conditions</b>
183	7	BOQ	Subhead-E.09 of Depot BOQ & E.03 of E&M Ghzbd & E&M Noida BOQ		enclosure should be min 1.6mm thick GI sheet steel....	Some of the manufacturer's provide BBT with extruded aliminium epoxy powder coated enclosure. Please approve the same.	<b>Please follow BOQ.</b>
184	7	BOQ	Subhead-E.03 of E&M Ghzbd & E&M Noida BOQ	Item no. 3	50 KA....	As per BOQ min. short circuit rating is 50KA but as per clause no. 9.4.1 of specification, it should be 65KA. Please clarify.	<b>BOQ uses the word minimum. Please follow specifications .</b>
185	4	Particular Specifications	9.5.5		current density shall not be more than 1A per sqmm....	Sandwich Bus Trunking are designed as per IEC 60439 1&2 and IS 8623 Part 1&2, which is based on temperature rise not on current density. Please clarify.	<b>Kindly refer addendum No.-1.</b>
186	7	BOQ	Subhead-E.05 of Depot, Stations & Admin BOQ		Light fixtures	Against each item, three items have been mentioned; SITC, Supply & Installation. Please amend the BOQ.	<b>Kindly Refer Addendum No.-1</b>
187	4	Particular Specifications	List of makes	22	LT Panels	Being System Integrator of ABB, please approve Sterling Generators as addition make for LT Panels.	<b>Please follow clause 3.1.3 of PS(Vol.4)</b>
188	4	Particular Specifications	List of makes	22	Meters	Please approve ABB as additional make.	<b>please follow clause 3.1.3 of PS(Vol.4)</b>
189	4	Particular Specifications	List of makes	23	Indicating lamps & push button	Please approve ABB as additional make.	<b>Please follow clause 3.1.3 of PS(Vol.4)</b>

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190	4	Particular Specifications	List of makes	23	APFC relay	Please approve ABB as additional make.	<b>please follow clause 3.1.3 of PS(Vol.4)</b>
191	4	Particular Specifications	List of makes	23	Modular switch/sockets	Please specify series of approved makes to be considered.	<b>please refer part-2 of conduit wiring &amp; associated accessories.</b>
192	4	Particular Specifications	List of makes	23	UPS	Please approve Eaton & Emerson as additional makes.	<b>please follow clause 3.1.3 of PS(Vol.4)</b>
193	4	Particular Specifications	List of makes	24	Busduct	Please approve Godrej as additional make.	<b>please follow clause 3.1.3 of PS(Vol.4)</b>
194	4	Particular Specifications	List of makes	24	Light Bus Trunking	Please approve C&S as additional make.	<b>please follow clause 3.1.3 of PS(Vol.4)</b>
195	4	Particular Specifications	List of makes		Industrial socket outlet	Please provide makes for the same.	<b>please refer part-2 of conduit wiring &amp; associated accessories.</b>
196							
197	4	Particular specification	2.1	15	List of madatory spares	Only list of mandatory spares to be maintained based on the BOQ items.	<b>Please follow specification, clause 2.10.1 of PS(vol iv). Rates of mandatory spares deemed included in DLP quoted price of BOQ. The balance spares after DLP shall be property of DMRC.</b>
198	4	Particular specification	3.1.4	22			
199					Variable refrigerant volume/flow units : DALKIN	DALKIN should be read as DAIKIN	<b>Yes, Confirmed</b>
200					Centrifugal Fan (AHU) : KRUGER ( SINGAPORE)	As kruger make fans are sourced from Indian factory only. Therefore please consider Kurger INDIA make.	<b>please follow clause 3.1.3 of PS(Vol.4)</b>
201					LIST OF MAKES	Following additional makes are requested	
202						Centrifugal Fan (AHU) : NICOTRA & WOLTER	<b>please follow clause 3.1.3 of PS(Vol.4)</b>

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203						Air Filter : Thermodyne & Airtech	<b>please follow clause 3.1.3 of PS(Vol.4)</b>
204						Water cooled Chiller : Daikin & Climaveneta	<b>please follow clause 3.1.3 of PS(Vol.4)</b>
205						Pre- Fab ducts : Zeco,Ecoduct & Ductofab	<b>please follow clause 3.1.3 of PS(Vol.4)</b>
206						Fire Damper : Systemaire-India	<b>please follow clause 3.1.3 of PS(Vol.4)</b>
207						Motorised & Manual Dampers, Grills, diffusers, Volume control dampers : Ruskin-Titus India	<b>please follow clause 3.1.3 of PS(Vol.4)</b>
208						Cooling Tower : Bell - India	<b>please follow clause 3.1.3 of PS(Vol.4)</b>
209						PICV-AHU & FCU : Belimo/ Honeywell	<b>please follow clause 3.1.3 of PS(Vol.4)</b>
210						Axail Flow Fans & Propellar Fans : Kruger - India, Systemaire-India	<b>please follow clause 3.1.3 of PS(Vol.4)</b>
211	4	Particular specification, Prt-B	13.1.4 b	219	Materials and components not specifically stated in the specifications and/or bill of materials or noted on the drawings but which are necessary for satisfactory installation and operation of the system shall be deemed to have been included in the scope of work.	Scope of work limits to the bill of quantities only any additional item required in the project shall be traeted as extra item and accordingly paid.	<b>Please follow specification</b>
212	4	Particular specification, Prt-B	13.12.5	227	The noise level shall not exceed 42 dbA for non ductable type unit & shall not exceed 49 dbA for ductable type unit.	The limit of noise level shall be revised 48 dba for non ducted & 55 dba for ducted. And will be measured from 1 mtr in front of unit at 1.5 mtr height.	<b>Please follow specification</b>

Sl No.	Volume Of Tender Document/ Section	Sub Section/ Drawing Heading	Clause No./Drawing No.	Page/ Drawing Sheet No.	Short Description as per Tender Document	Queries by Firms	Reply by DMRC
213	4	Particular specification, Prt-B	13.12.13	229	The indoor units shall be connected to drain of MS pipe	Request to change the M.S. drain pipe into PVC drain pipe.	<b>Please follow specification</b>
214	4	Particular specification, Prt-B	13.12.15	230	The units shall be tested for capacity and COP as per ARI-1230 conditions at manufactures premises as well as at site before delivery	One typical unit shall be tested at factory. No COP test at site shall be carried as confirmed by manufacturer.	<b>Please follow specification</b>
215	4	Particular specification, Prt-B	14.2.5 f ii	259	Casing shall be of panel construction; double wall type packed with pressure injected CFC free foam insulation minimum 50mm ± 1mm thick. Casing framework shall be of modular galvanized iron, aluminium or Approved equal pentapost double skin construction. Outer skin shall be minimum 1.0 mm galvanized steel sheet while inner skin shall be minimum 1.2 mm galvanized steel sheet.	Request to accept 48+/-2 mm thick panel having inner and outer GI sheet thickness of 0.63 mm.	<b>Please follow specification</b>

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216	4	Particular specification, Prt-B	14.2.5	265	AHU's Shall be fitted with UVC emitters minimum 20 Tubes	The number of UVC emmitter tubes to be fitted in the AHU depends on the technical requirement of the air handling units.	<b>Please follow specification</b>
217	4	Particular specification, Prt-B	14.4.3 b	272	Each unit shall have a twin-screw compressor serviceable bolted semi-hermetic type.	Request you too accept mono - screw tye compressor.	<b>Please follow tender conditions</b>

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218	4	Particular specification, Prt-B	Data sheet of screw chiller	289/291	Unit consisting of : 5. Soft Starter	As the chillers are with VFD therefore soft starters are not required. Also please indicate factory test for the chillers are required or not. If yes then number of chillers along with test load points to be indicated.	<b>with VFD, soft starter not required</b>
219	4	Particular specification, Prt-B	14.6.3 c ii	302	Primary pump : Impeller shall be bronze or gun metal, double suction, enclose type, hydraulically balanced	The pumps shall be end suction with single suction volute.	<b>Accepted</b>
220	4	Particular specification, Prt-B	Data sheet for Chilled water pump.	309/311	Pumps starters shall be star delta air break type	Since primary pumps are with VFD therefore starters are not required.	<b>with VFD, soft starter not required</b>



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221	4	Particular specification, Prt-B	14.7.1 c	312	The galvanization requirements as per IS277 are as follows: Thickness of sheet (mm) Galvanization (GSM) 0.18 to 0.28 (both inclusive) 200 0.30 to 0.55 (both inclusive) 220 0.63 to 1 (both inclusive) 275 Above 1 350	As the ducting requirement for the project is very less and based on the market availability request to accept 120 GSM galvanisation for all gauges.	<b>please follow specification.</b>
222							
223	BOQ Part-B (FF station)- FF.01- Fire fighting works		1.1		Hydrant Main Fire pumps	Please clarify that we have to use end suction top discharge pumps with required characteristics.	<b>Please follow specification</b>
224	BOQ Part-B (FF station)- FF.01- Fire fighting works		1.4(i)		internal hydrants/ landing valves	Please specify the MOC of the Cap to be considered for the hydrant valve.	<b>Please follow Specifications and BOQ.</b>
225	BOQ Part-B (FF station)- FF.01- Fire fighting works		1.4(iii)		synthetic hoses	Please confirm the hoses shall be UL listed only and the SS coupling shall be as per IS standards.	<b>Please follow Specifications and BOQ.</b>
226	BOQ Part-B (FF station)- FF.01- Fire fighting works	2 piping for fire fighting system	2.1		MS underground piping	Please provide the details for the laying of the underground piping. Sand bedding is required or the excavated other is to be backfilled and rammed accordingly. Also any thrust blocks to be provided for the underground piping. Please confirm.	<b>Please follow Specifications and BOQ.</b>
227	BOQ Part-B (FF station)- FF.01- Fire fighting works & BOQ Part-C (Depot)- FF.01- Fire fighting works	2 piping for fire fighting system. & 10 butterfly valve	2.3		Butterfly valve	Please confirm that we have to consider the wafer type butterfly valve or double flanged butterfly valve	<b>Please follow Specifications and BOQ.</b>

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228	BOQ Part-B (FF station)- FF.01- Fire fighting works	3. Internal Piping	3.7.1		Gate valve (test valve/ Drain valve)- 25 to 40 mm nominal bore	Please specify the quantities along with sizes as the prices vary as per sizes.	<b>Difference in price is nominal so please quote accordingly as per requirement.</b>
229	BOQ Part-B (FF station)- FF.01- Fire fighting works	4. sprinkler system	4.2		UL listed pendent/ upright sprinkler	Please provide the K factor for the sprinklers to be considered	<b>K-80 Kindly refer addendum No.-1</b>
230	BOQ Part-B (FF station)- FF.01- Fire fighting works	7. Miscellaneous fire service equipments	7.1		Air breathing appratus	Please specify the approved makes for the same	<b>Make should Comply with specs &amp; to be decided at vendor approval stage.</b>
231	BOQ Part-C (Depot)- FF.01- Fire fighting works	3 drain pumps			Drainage pumps	Please provide approved makes for drainage pumps	<b>Already given under the heading "Fire hydrant &amp; Fire fighting system"</b>
232	BOQ Part-C (Depot)- FF.01- Fire fighting works	4. MS heavy class External piping			Avoid to burry pipe in ground level	In case the pipe shall be above ground please provide the qty seperately	<b>Please follow Boq. And final quantity as per Working Drawing(WRD) to be prepared by contractor</b>
233	BOQ Part-C (Depot)- FF.01- Fire fighting works	6. MS heavy class Internal piping			Providing MS pipe sleeves for valve crossing and sealing with sleeve and fire proof material enclosing making holes in RCC etc	Please provide the qty of the wall crossings envisaged	<b>Please follow Boq. And final quantity as per Working Drawing(WRD) to be prepared by contractor</b>
234	BOQ Part-C (Depot)- FF.01- Fire fighting works	9. single headed hydrant valve for External works			External Yard hydrant valve with FM stainless steel coupling - ISI marked	Please confirm that the coupling required shall have FM approval or shall be as per IS only	<b>Please follow Indian Standard.</b>

SI No.	Volume Of Tender Document/ Section	Sub Section/ Drawing Heading	Clause No./Drawing No.	Page/ Drawing Sheet No.	Short Description as per Tender Document	Queries by Firms	Reply by DMRC
235	BOQ Part-C (Depot)- FF.01- Fire fighting works	28. quartzoid bulb type sprinkler			quartzoid bulb type sprinkler	Please provide the K factor for the sprinklers to be considered	<b>K-80 Kindly refer addendum No-1</b>
236	BOQ Part-C (Depot)- FF.01- Fire fighting works	29. Pendent / upright sprinkler			Pendent / upright sprinkler	Please provide the K factor for the sprinklers to be considered	<b>K-80 Kindly refer addendum No.-1</b>
237	BOQ Part-C (Depot)- FF.01- Fire fighting works	46			Motorised butterfly valve	Please provide the qty with sizes	<b>To be determined based on WRD to be prepared by contractor. At this stage, bidders may take approximate assessment only.</b>
238	BOQ Part-C (Depot)- FF.01- Fire fighting works	47			Fire protective clothing and breathing apparatus	Please provide approved makes	<b>Makes to comply specification. Final make to be decided at vendor approval stage.</b>
239							
240	Volume 4	3. VENDOR APPROVAL & LIST OF APPROVED MAKES	DG SETS	26-27	Approved makes of Diesel Engine Cummins, Perkins, Caterpillar	Approved make of Diesel engine is not sufficient and moreover Perkins and Caterpillar doesn't manufacture Diesel engine in India in the capacity of 125 KVA and 160 KVA . Hence , we would requested to kindly add / amended the reputed and Established brand " Mahindra Mpower" in these capacities of 125 KVA and 160 KVA .The Mpower diesel engine of this capacities have CPCB II compliance and also meet the technical specification of NIT. This is for your kind information we are DG set OEM of Mpower Diesel Engine.	<b>Please follow the clause 3.1.3 of PS(Vol.4)</b>

Sl No.	Volume Of Tender Document/ Section	Sub Section/ Drawing Heading	Clause No./Drawing No.	Page/ Drawing Sheet No.	Short Description as per Tender Document	Queries by Firms	Reply by DMRC
241	Volume 4	3. VENDOR APPROVAL & LIST OF APPROVED MAKES	DG SETS	27	Approved makes of AMF Panels Tricolite Electrical Industries, ECS, L&T, GE, Associated Switchgears, Schneider, Unilec, Neptune, Anand Power, Adlec, ABB, Sudhir Genset Limited,	Kindly also allow the DG OEM(Sterling generators) make of AMF panel for better intregation of DG set system.	<b>Please follow the clause 3.1.3 of PS(Vol.4)</b>

Sl No.	Volume Of Tender Document/ Section	Sub Section/ Drawing Heading	Clause No./Drawing No.	Page/ Drawing Sheet No.	Short Description as per Tender Document	Queries by Firms	Reply by DMRC
242	Volume 4	15. DG SETS	clause 15.6(b) & (c) - Period of Operating & Overload	456	<p>b) Period of Operating: - The set may be idle for a long period except for routine test periodically. When there is an electrical supply failure it will be required to work continuously at variable load with average load factor of 80% as per ISO 8528.</p> <p>c) Overload:- The set shall be capable of taking 10% overload for a period of one hour during any 12 hours period while operating as per above conditions.</p>	As per latest ISO 8528 the Avg. Load Factor 70 % and 10 % overload is not applicable hence you are requested to kindly issue sweetable amendemt for the same.Attaching here with copy of ISO 8528 for your ready refrence.	<b>Please follow the clause 1.4.3.4 part A of Vol.-04</b>

Sl No.	Volume Of Tender Document/ Section	Sub Section/ Drawing Heading	Clause No./Drawing No.	Page/ Drawing Sheet No.	Short Description as per Tender Document	Queries by Firms	Reply by DMRC
243	Volume 4	15. DG SETS	15.5.1 OPERATING CONDITIONS	456	The Engine Alternator is to be installed in Delhi/National Capital Region and shall be capable of working at any ambient temperature between 0°C and 45°C and relative humidity up to 95%.	There is contradiction between these three clauses in terms of temprature , you are requested kindly confirm the same.	<b>please follow BOQ General Part-2 and clause 15.16.1 a)</b>
244	Volume 4	15. DG SETS	15.8.1 (m) Construction	457	The DG set shall be suitable for continuous operation inside the acoustic enclosure under all the ambient conditions upto 50 degree C ambient without any adverse effect on its performance.		<b>please follow BOQ General Part-2 and clause 15.16.1 a)</b>
245	Volume 4	15. DG SETS	15.16 (1.1) DG SET DATA SHEET	505	<b>Duty</b> Prime Power rating duty at specified maximum ambient air Temperature of 50°C. (Suitable for Continuous operation at variable load with average load factor of 80% as per ISO 8528).		<b>please follow BOQ General Part-2 and clause 15.16.1 a)</b>
246	Volume 4	15. DG SETS	15.12.1 BATTERY SYSTEM	503	There shall be a 12/24V lead acid stationary battery with an AH capacity suitable for 10 (ten) cranking attempts of (10 seconds each).	There is contradiction between these three clauses in terms of auto start As per industry practice max 06 cranking attempts are required . You are requested to kindly relook and confirm the same.	<b>Please follow tender conditions</b>

SI No.	Volume Of Tender Document/ Section	Sub Section/ Drawing Heading	Clause No./Drawing No.	Page/ Drawing Sheet No.	Short Description as per Tender Document	Queries by Firms	Reply by DMRC
247	Volume 4	15. DG SETS	15.16 (1.4) DG SET DATA SHEET	505	No.of auto start 3(three)		<b>Please follow tender conditions</b>
248	Volume 4	15. DG SETS	15.16 (1.3) DG SET DATA SHEET	505	Overload capacity for one hour In 12 hours of continuous running. 10% over the continuous rating.	Please refer our query raised in S.no 3(as above)	<b>Please follow tender conditions</b>
249	Volume 4	15. DG SETS	15.16 (1.3) DG SET DATA SHEET	505	Governor Electronic type	In capacities of 160 KVA and 125 KVA . The governor type is mechanical type. Kindly confirm your acceptance.	<b>Please follow tender conditions</b>
250	Volume 4	15. DG SETS	15.15.1 TESTING & COMMISSIONING	504	The complete Diesel generator set shall be thoroughly checked for correct operation and load tested in supplier works before dispatch. All fluid seals, faults, control functions and site load conditions shall be simulated, checked and proved. The equipment shall be dispatched after testing in presence of authorised representative of purchaser.	Durtaion of testing at works is not mentioned. Kindly confirm the same. However we have noted that same is for 8 hours as mentioned in performance test of prototype DG set.	<b>please follow clause 15.4.2 of PS(Vol.4)</b>
251	Volume 4	15. DG SETS	15.4.2 APPROVAL OF PROTO TYPE RATING	492	The performance test on the DG sets shall be of minimum 8 hours duration		<b>please follow clause 15.4.2 of PS(Vol.4)</b>

Sl No.	Volume Of Tender Document/ Section	Sub Section/ Drawing Heading	Clause No./Drawing No.	Page/ Drawing Sheet No.	Short Description as per Tender Document	Queries by Firms	Reply by DMRC
252	Volume 4	15. DG SETS	15.16 (2.12) DG SET DATA SHEET	506	Day tank (14 SWG steel) 990 Litres or as per CPWD norms.	The fuel tank capacity in 125 KVA and 160 KVA shall be max of 400 liters. Which meets CPWD norms. Hence , kindly issue suitable amendment for the above capacities.	<b>Please follow tender conditions</b>
253	Volume 4	15. DG SETS	15.8.3(a) Fuel Tanks	495	a) A Fuel Day tank shall be as per CPWD norms		<b>Please follow tender conditions</b>
254	Volume 4	12. FIRE HYDRANT & FIRE FIGHTING SYSTEM	12.9.4.1 Fuel System	231	The diesel engine is to run on High Speed Diesel, the tank provided being enough to hold the volume required for 6 hours(minimum) continuous operation		<b>Please follow tender conditions</b>
255	Volume 4	15. DG SETS	15.8.3(a) Fuel Tanks	495	The Fuel Diesel Tank shall be inbuilt under frame in such a way that allows correct suction pressure to the Fuel lift pump of the Generator set when the fuel in the tank is at any level between low level and high level.	This specification is not applicable for 750 KVA, Kindly note the fuel tank shall be a seprate (not intregated under the base frame) and cubical type tank.	<b>Please follow tender conditions</b>
256							



Sl No.	Volume Of Tender Document/ Section	Sub Section/ Drawing Heading	Clause No./Drawing No.	Page/ Drawing Sheet No.	Short Description as per Tender Document	Queries by Firms	Reply by DMRC
257	1	NIT	1.1.4.2 A	4	E&M works shall be defined as work containing electrification, Fire suppression & Detection and VAC components, out of which electrification component shall be not less than 60% of the E&M works...	In a typical MEP contract component of electrification works consist of not more than 40-50%. Therefore, we request you to amend this clause as "...electrification component shall be not less than 60% of the above mentioned values, i.e. 128/80/60 crs".	<p><b>Please Follow Tender Condition.</b></p> <p><b>However it is clarified that for the purpose of evaluation-60% of the value of E&amp;M works as required in the paragraph would mean 60% of value of 1.1.4.2A(i),A(ii) or A(iii) as may be the case.</b></p> <p><b>This implies that the value of E&amp;M Portion of work executed in the work experience certificate should be more than 60% of Rs 128 cr / Rs80 cr / Rs 64 cr as may be the case.</b></p>
258	1	ITT	C9	28	The payment schedule is given in Bill of Quantity/Pricing Document (Volume 7)...	Terms of payment is not mentioned in Volume-7. Please provide the same.	<b>terms of payment is mentioned in preamble BOQ Vol(vii)</b>
259	2	GCC	2.2	12 of 66	For any delay due to employer, contractor will be entitled to only reasonable extension of time and no monetary claim whatsoever shall be paid....	We request you to provided escalation on material as well as labour rates in case of delay due to employoer. Also, our overheads should be paid as per actual.	<b>Please follow tender conditions</b>

Sl No.	Volume Of Tender Document/ Section	Sub Section/ Drawing Heading	Clause No./Drawing No.	Page/ Drawing Sheet No.	Short Description as per Tender Document	Queries by Firms	Reply by DMRC
260	2	GCC	4.4 g	18 of 66	If the contractor suffers delay due by reason of failure by any designated contractor....	We request you to provided escalation on material as well as labour rates in case of delay due to other contractor. Also, our overheads should be paid as per actual.	<b>Please follow tender conditions</b>
261	2	GCC	4.18	23 of 66	Water and electricity...	We request you to provide water and electricity free of cost at one point.	<b>Please follow tender conditions</b>
262	2	GCC	4.25	25 of 66	Access road and way leaves....	We request you to provide space for contractor's site office/store as well as access to it.	<b>Please follow tender conditions</b>
263	2	GCC	8.3 & 8.41	38 of 66	Delay not attributed to contractor....	We request you to provided escalation on material as well as labour rates in case of delay not attributed to contractor. Also, our overheads should also be paid.	<b>Please follow tender conditions</b>
264	2	GCC	8.5	39 of 66	Liquidated damages: upto 15%	We request you to ammend this clause as "Liquidated damages shall be 0.5% per week subject to a maximum of 5% of unfinished work. However, if the delay is not on our part, we shall be compensated for our overheads".	<b>Please follow tender conditions</b>
265	2	GCC	10	42 of 66	Defects Liability....	In case of part handing over, the defects liability period should be set accordingly. Please confirm.	<b>Please follow tender conditions</b>
266	2	GCC/SCC	11.1.1 & 11.1.4 of GCC and 11.1.1 C of SCC	44 & 45 of 66 of GCC and 16 of 28 of SCC	The contract price shall not be adjusted to take into account any increase or decrease taes, duties & levies.....	Any varion in taxes and duties or introduction of any new tax, like GST, shall be to employer's account. Please confirm.	<b>Please follow tender conditions</b>
267	2	GCC	12.5 g	53 of 66	Rates for extra items....	We presume that applicable taxes and duties shhall be paid extra. Please confirm.	<b>Please follow tender conditions</b>
268	2	SCC	23/10.0	15 of 28	Defects Liability Period	Please provide defects liability period	<b>Please follow GCC &amp; BOQ</b>

Sl No.	Volume Of Tender Document/ Section	Sub Section/ Drawing Heading	Clause No./Drawing No.	Page/ Drawing Sheet No.	Short Description as per Tender Document	Queries by Firms	Reply by DMRC
269	2	SCC	11.1.1 A	15 of 28	Service Tax	We presume that prices should be exclusive of service tax. Also, if applicable the same shall be paid extra. Please confirm.	<b>Please follow SCC clause 24 subclause 11.1.1A for service tax</b>
270	2	SCC	11.1.1 D	16 of 28	VAT	Please clarify if VAT/WCT to be included. It is to be noted that as per clause no. 11.1.1 of GCC, prices should be exclusive of VAT. Please clarify.	<b>Please follow SCC 24 Sub Clause 11.1.1D</b>
271	2	SCC	11.1.3	16 of 28	Price variation	As the completion period is of 24 months, please provide price variation as per CPWD clause no. 10CC.	<b>Not agreed. Completion period is 20 months</b>

SL.No	Query Subject	Query Particulars	Query Raised Date	Departmental Clarification	Replied Date	Reply by DMRC	Clause No
	<b>LT Panels</b>						
272	PANEL TYPE - TTA OR PTTA	Specification on page 6 – Calls for TTA Panel however – Tender Boq – specifies both PTTA/TAA- Pls. Clarify.		LT PANEL		Please follow specifications and kindly refer Addendum No.-1.	Clause 1.5
273	MCCB RELEASE	Clause 1.9.2.4- Specifies MCCB with Earth fault protection – Tender Boq. – MCCB with O/C & S/C is mentioned.-Pls. Clarify.		LT PANEL		Please follow tender conditions as given in clause 1.9.2.4 of PS (Vol. IV)	Clause 1.9.2.4
274	RCCB - IP RATING	Clause 1.9.4.2(k)- Specifies RCCB with IP3X –IP 3X is not possible-We propose IP2X.		LT PANEL		Please follow tender conditions	Clause 1.9.4.2(k)
275	RCBO - IP RATING	Clause 1.9.5.2(k)- Specifies RCBO with IP3X –IP 3X is not possible-We propose IP2X.		LT PANEL		Please follow tender conditions	Clause 1.9.5.2(k)
276	RCBO - IP RATING	Clause 1.9.5.2(k)- Specifies RCBO with IP3X –IP 3X is not possible-We propose IP2X.		LT PANEL		Please follow tender conditions	Clause 1.9.5.2(k)
277	METER	Clause 1.8.3.2 Says All meter shall be with RS485 port – Can individual meter (i.e. Ammeter, voltmeter etc. be possible without RS485 port)		LT PANEL		Please follow tender conditions	Clause 1.8.3.2.

SL.No	Query Subject	Query Particulars	Query Raised Date	Departmental Clarification	Replied Date	Reply by DMRC	Clause No
278	Lugs	Tender Item no. 1.1a of Sub Head E-03 - Cables & Bus Duct - We understand that copper lugs will be used with copper cable & aluminium Lugs will be used with Aluminium Cables		MV Cabling & Bus Duct		Please follow tender conditions	
279	UPS	Sub Head - E-04 - UPS - It is Mentioned in BOQ that 4c x 50 sqmm Copper Armoured cable will be used from UPS outgoing to Emergency Lighting Panels. We request you to please incorporate this cable in cable heads Sub Head - E-04 so that we will charge in running meter due to distance of UPS to Emergency panel has not mentioned.		UPS		Please follow BOQ	

Sr. No.	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	Reply by DMRC
280	NIT Cl.1.1.2 FOT Appendix 1	Completion period of the Work - 20 months Time for completion of the work - 24 months	The time for completion of work is 24 months from date of commencement. Please confirm.	20 months from date of commencement. Kindly refer Addendum No.-1.
281	ITT Cl.2.2 (dd) & (ee)	Annexure 8 to ITT: – Confirmation of Performance Security Provider Annexure 9 to ITT: - Additional Bank Guarantee	This is a post award requirement hence, bidder need not submit any document under this clause along with his bid. Please confirm.	PBG shall be required after award of the work
282	ITT Cl.2.3	The Tenderer shall submit with his Tender the documents that are identified in paragraphs C2.3 (a) – C2.3 (i) inclusive.	The Clause shall be " The Tenderer shall submit with his Tender the documents that are identified in paragraphs C2.3 (a) – <b>C2.3 (ii)</b> inclusive." Please confirm.	Kindly refer Addendum No.-1.
283	ITT Cl.C7	Designer - The Tenderer shall submit with his Tender either the proposed terms and conditions upon which the Designer would be appointed in the event of acceptance of the Tender (excluding the financial and commercial terms thereof) or at least a statement of the heads (salient features) of such an agreement.	Since the tender is Item rate and design is not in the scope of Contractor, we presume the Clause shall not be applicable. Please confirm.	Please Follow Tender Conditions.
284	ITT Cl.C18.1	The Tenderer shall submit with his Tender a Tender Security for the sum mentioned in NIT in the form of a. an irrevocable bank guarantee issued by .....	As per the guidelines of Dept. of Financial Services, Ministry of Finance, Govt. of India(MOF), a separate advice of Bank Guarantee is to be sent to the advising bank ie. Beneficiary's bank through SFMS only, after which only paper Bank Guarantee could become operative. In view of above we request you to provide us following details:	1. ICICI Bank Ltd. 9A PHELPS, Cannaught Place, New Delhi 2. 000007 3. ICICI0000007
285	<b>Ref. Clause/ Doc.</b>	<b>Existing Clause</b>	<b>Clarification Sought</b>	<b>Reply by DMRC</b>
286	ITT Cl.A1.4	DMRC reserves the right to convey the acceptance of the base tender prices for the E&M work for further 5 stations maximum of extended or new corridors in NCR within the contract period through a supplementary agreement. The scope of work for these five stations shall be the same as for the present scope.	Request to confirm timeframe within which further 5 stations are shall be conveyed for acceptance by Contractor from the date of commencement of works for Contract Package NE-03.	During the validity or extended time frame of contract period

Sr. No.	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	Reply by DMRC
287	FOT Appendix -1 v / Clause 10 of the GCC SCC Cl.23 BOQ	As per clause 23 of SCC after the date of issue of Taking- Over Certificate for the Whole of the Works. Defect liability period - Not Used BOQ - 2 years	Kindly confirm Defect Liability Period is two years after date of issue of Taking over Certificate.	Confirms. Kindly refer addendum NO.-1.
288	FOT Appendix -1 v / Clause 10 of the GCC	"Defects Liability Period" for the whole of the Works - As per clause 23 of SCC after the date of issue of Taking- Over Certificate for the Whole of the Works.	In case, Part of Works are taken over, Defect Liability Period for that Part of the Work shall start from the date of taking over. Kindly confirm.	Please Follow Tender Conditions.
289	FOT Appendix -1 vii / Clause 15.1 and 15.5 of the GCC	Amount of Professional Indemnity Insurance (PII).	Since design is not in the scope of Contractor Professional Indemnity clause shall not be applicable. Please confirm.	Kindly refer Addendum No.-1
290	SCC Cl.24. Sub-Clause 11.1.1 (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.	Request for price adjustment due to 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.	Please Follow Tender Conditions.
291	SCC Cl.25. Sub Clause 11.1.3	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 for provision of price variation based on indices for the duration of the project and extension if any.	Please Follow Tender Conditions.
292	SCC Cl.41	Retention money equal to 10 percent of the amount due to the Contractor from each on account payment will be retained, so as to maintain a reserve in the hands of the Employer equal to 5 percent of the Contract Price.	Request for provision of submission of Bank Guarantee against cash retention.	Please Follow Tender Conditions.
293	<b>Ref. Clause/ Doc.</b>	<b>Existing Clause</b>	<b>Clarification Sought</b>	<b>Reply by DMRC</b>
294	GCC Cl.2.2	The Employer shall grant the Contractor right of access to, and / or possession of, the site progressively for the completion of works.	i) Request to provide Schedule of handing over of site to plan the Construction Schedule. ii)It is assumed that site handed over to Contractor shall be encumbrance free. Please confirm.	Please Follow Tender Conditions.

Sr. No.	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	Reply by DMRC
295	GCC Cl.2.2	The Employer shall grant the Contractor right of access to, and / or possession of, the site progressively for the completion of works.	If there is any delay in getting the Site Access and delay in getting the Possession of site for which contractor is not responsible, reasonable EOT with escalation of price shall be provided by Employer.	Please Follow Tender Conditions.
296	GCC Clause 4.1, Page 14 of 66	General Obligations	Diversion of any services and facilities required for the purpose of work shall not be the scope of work of the	Please Follow Tender Conditions.
297	GCC Clause 4.4b, Page 17 of 66	Facilities for and co-ordination with others	The contractor shall provide all necessary inputs for coordination / interfacing. However overall design	Please Follow Tender Conditions.
298	GCC Cl.8.5	The total amount of liquidated damages in respect of the Works in all stages shall, however, not exceed the limit of liquidated damages stated in the Appendix to the form of tender.	Kindly confirm the percentage of LD applicable on per week delay basis.	Please Follow Tender Conditions.
299	GCC Cl.14.1	Indemnity - Contractor to indemnify	Request for provision of cross indemnification.	Please Follow Tender Conditions.
300	General	-	The tender security and cost of tender documents only shall be submitted in hard copy. All other documents shall be submitted online. Please confirm.	No change in Tender Condition
301	General	-	The tender documents downloaded are not required to be uploaded online along with the Bid submission. Please confirm.	No change in Tender Condition
302	Technical Specification, Page 77	Conduit & accessories	Any kind of civil work like chipping, cutting, plastering, core cutting etc. shall not be in the scope of E&M Contractor	Please Follow Tender Conditions.
303	Technical Specification, Clause 8.8.10, Page 126	Operating ambient temperature: 0 Deg C to 50 Deg C	UPS System is designed at 40 deg C. Hence, operating ambient temperature shall be 40 deg C.	Please Follow Tender Conditions.



<b>Sr. No.</b>	<b>Ref. Clause/ Doc.</b>	<b>Existing Clause</b>	<b>Clarification Sought</b>	<b>Reply by DMRC</b>
304	Technical Specification, Clause 8.7.2, Page 123	Governing specifications	whether individual Battery Bank required with each UPS or Common battery bank required for two parallel redundant UPS systems. Kindly clarify.	Individual battery bank required with each UPS as per tender condition.
305	Technical Specification, Clause 12.4 (i), Page 170	The pump heads specified.....at no extra cost to employer.	Since the subject tender is Unit Rate BOQ based and at tendering stage design calculation are not carried out the referred clause shall be deleted. Also there is a provision of addition of new items which can cater such requirements. Please clarify.	Please Follow Tender Conditions.
306	<b>Ref. Clause/ Doc.</b>	<b>Existing Clause</b>	<b>Clarification Sought</b>	<b>Reply by DMRC</b>
307	Data sheet for Primary Chilled water pumps, Page 307	Impeller Material	As per manufacturers standard of various reputed manufacturers. In addition to referred impeller MOC, SS- 304 shall also be acceptable. Please clarify.	Please Follow Tender Conditions.
308	Technical Specification, Clause 12.4 (a), Page 169	Fire Pumps - Mechanical Seals	These pumps shall come with Gland Packing and not mechanical seals. Please clarify.	Please Follow Tender Conditions.

Sr. No.	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	Reply by DMRC
309	BOQ	Operation of DLP	DMRC will provide operating personal. Contractor will assist the operators in operation. Maintenance during DLP shall be on comprehensive basis for 24 months from taking over station / depot wise. Please confirm	Please Follow Tender Conditions(Given in Chapter 2,Part-A of PS(Vol.IV))
310	Technical Specification, Clause 13.12.5, Page 226	Indoor Unit fans	The DB level of the indoor units will depend on the type of indoor units and may be in the range of 42 DB - 47 DB. Please accept	Please Follow Tender Conditions.
311	Volume 2, SCC, page 27 of 28, Clause No 58	BOCW	We presume BOCW is not applicable for E&M kind of contracts. Please confirm	Please follow tender conditions
312	Admin BOQ	Water Cooled Chillers with VFD	Chillers below 200 TR are not ARI Certified how ever, Eurovent Certifies chillers below 200 TR as well. Please confirm if Eurovent Certified chillers are acceptable	it shall be dealt at vender approval stage.
313	Admin BOQ	Water Cooled Chillers	Specifications call for Chillers with Soft starter where as the BOQ calls for chiller with VSD. Please clarify	Please follow BOQ.
314	Admin BOQ	Minimum COP at ARI Conditions: 6.1	In view of lower capacity chillers, this COP is not achievable. Request you to accept Min COP at ARI Conditions as 5.6	Please follow tender condition
315	Admin BOQ	Air Separator	The same is missing from the BOQ. Kindly clarify	Kindly refer Addendum No.-1
316	.			
317	<b>BOQ PART A(ELECTRICAL STATIONS) for 21 Nos. stations in Noida-Greater Noida Section</b>			

Sr. No.	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	Reply by DMRC
318	General		Please confirm number of stations of each of the types (Type - I , II and III) as indicated in the drawings provided for better understanding and working.	Type of station are specified only for Noida-Greater Noida section.These are Type I - 16 nos,Type II - 3 nos,Type III - 2 nos. However, for quantities of individual items, Please refer BOQ.
319	SR NO. 10.2.1	In the BOQ Ceiling suspended type Indoor Units of 3.98 TR and 3.19 TR are mentioned with quantities of 147 Nos and 126 Nos.	As per the ECS drawings for Stations given in the tender 3.19 TR CS Indoor unit is only envisaged for all the technical rooms.(12 Nos. per station , hence total 252 Nos.) Please let us know the locations 3.98 TR CS indoor units. As per BOQ the total qty of 3.19 TR and 3.98 TR is 273 Nos. Please confirm the exact quantity.	Please follow BOQ. Drags are for reference only. Actual drgs are to be prepared by contractor.Location can not be given at this stage.
320	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	Reply by DMRC

Sr. No.	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	Reply by DMRC
321	SR NO. 10.2.2	Wall mounted indoor units of 1 TR , 1.28TR, 1.6TR and 2TR are mentioned in the BOQ	As per the tender drawings , only 1.6TR and 2.02 TR indoor units are shown. Please let us know the locations of the 1TR and 1.28 TR indoor units. Total qty as per drawing works out to 168 Nos. (8 Nos per station) , whereas qty as per BOQ is 211 Nos. Please confirm the exact qty.	Please follow BOQ. Drawings are for reference only. Actual drawings are to be prepared by contractor. Location can not be given at this stage.
322	SR NO. 10.21	Axial Flow Fans	Please note 6000 cfm axial fan for exhaust of DG room is shown in the drawing for all types of stations, however the above capacity is not part of the BOQ. Please include the item in the BOQ with appropriate qty.	DG shall be kept in open. Hence no requirement of Axial Flow Fans.
323			Similarly 6000 cfm supply and exhaust fans are shown for the pump rooms in type - I and III stations,	Kindly refer Addendum No.-1
324			The capacities of Axial flow fans (smoke spill and normal) mentioned in the BOQ are not indicated in the drawing. Please confirm their locations.	Please follow BOQ. Working drawing to be prepared by the contractor.
325	SR. NO. 10.24	PROPELLER FANS	Please note that the total qty of propeller fans of all sizes as per BOQ is 231. However, as per the tender drawings, the total qty of propeller fans works out to	Please Follow BOQ.
326	<b>BOQ E&amp;M Ghaziabad finance V for 8 Nos. stations in Dishad Garden to New Bus Adda station</b>			

Sr. No.	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	Reply by DMRC
327	General		The drawings enclosed as part of the tender document for the above works are only for 6 stations , also the drawings are only architectural layout. Please let us have the layouts of the balance 2 stations (viz : New Bus Adda , Arthala) and also MEP drawings / schematics for all stations in this section to verify the BOQ given.	Refrence Drawings have been provided.Please follow BOQ.
328	General		We assume that no ventilation / smoke exhaust system envisaged for the 8 Nos. stations of Gaziabad section, as BOQ does not include any ventilation fans	Please Follow BOQ.
329	<b>BOQ E&amp;M Noida Financials ( 6 stations from Noida Sector - 32 to Noida Section - 62)</b>			
330	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	Reply by DMRC
331	General		The tender drawings for this section includes Only typical station architectural drawings. No drawings / schematic diagrams have been provided for the MEP	Please Follow BOQ.
332	General		We assume that no ventilation / smoke exhaust system envisaged for the 6 Nos. stations from Noida Sector - 32 to Noida Sector - 62section, as BOQ does	Please Follow BOQ.
333	<b>ECS for Admin Building</b>			
334	General	Mismatch between BOQ , Layout Drawings and Schematic diagram for ECS	Please note that the qty of AHUs, FCUs as mentioned in BOQ is different from those shown in the drawings and schematics. The AHUs as per layout drawings are 10 Nos, as per BOQ are 13 Nos. whereas as per Schematic are 9 Nos. Similarly , BOQ mentions the total qty of FCUs as 7 Nos., whereas the as per the layout drawing , the total qty 20 Nos and schematics shows the qty to be 8 Nos. Please clarify which qty to be considered as final.	Please Follow BOQ.Drawings are to be prepared as per actual site condition by the contractor.
335	<b>ECS for Depot</b>			

Sr. No.	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	Reply by DMRC
336	Part B ECS Depot BOQ Sr. No H.02 , 1& 2	Air Washer and Scrubber capacity	The Air Washer and scrubber capacity as per tender drawing is 2500 and 2700 CFM respectively, while as per the BOQ the capacity is mentioned as 4000 and 4500 CFM. Please confirm the correct capacity of the air washer and scrubber	Please Follow BOQ.
337			Propeller fans qty and sizes as per the drawing and BOQ are different. Please confirm the correct qty.	Please Follow BOQ.
338	Part B ECS Depot BOQ Sr. No H.01 , 1 to 3	Air Cooled VRV system	As per the drawing only 15 Nos. 2 TR indoor units are shown in the drawing, whereas the BOQ mentions total 23 Nos. Indoor units of capacities (1 TR ,1.28TR , 1.6TR , 2 TR and 3.18 TR). Please confirm the correct qty of Indoor units.	Please Follow BOQ.
339			The outdoor units of 12HP and 16HP capacity 2 Nos. each as per BOQ are not indicated in the drawing. Please clarify.	Please Follow BOQ.drawing are to be prepared by the contractor.
340	General	Diesel Engine Pumps	Diesel Engine Pumps are not considered for station buildings. Please confirm	No Diessel Engine pumps for station.
341	General	Fire Pumps	No Fire Pumps are available for Admin Buildings. Please clarify	Covered under Depot fire fighting system
342	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	

Sr. No.	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	Reply by DMRC
343	General	Addressable Fire Alarm System	The same is missing from the Depot BOQ. Kindly clarify	This not needed in depot.
344	General	Sprinklers for Fire fighting	We shall consider standard response Sprinklers. Please confirm	Please Follow Tender Conditions.
345	<b>ELECTRICAL WORKS</b>			
346	BOQ- PART-A ELECTRICAL(Depot) - E.01	The panel shall have Copper busbars with bar type feeder connections, spacers etc.and neutral busbar shall be of 100% capacity for busbar of above 200Amps, rating and 100% otherwise as mentioned.	As per SLD NGN -TD -ELC- 20DEP-2007, 2009, 2010 some of the panel mentioned are with Al. bus bar. We shall follow as per BOQ. Please confirm	Please Follow BOQ.

Sr. No.	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	Reply by DMRC
347	BOQ- PART-A ELECTRICAL(Depot) - E.01	BusBar - Electrolytic high conductivity Copper three phase and neutral busbars having a maximum current density of 1.4 A per sq mm with heat shrinkable insulation sleeves ( Similer for other panels also)	As per general note in SLD NGN -TD -ELC- 20DEP-2007 Current density of copper bus bar should be 1A per sq mm. We shall follow as per BOQ. Please confirm	Please Follow BOQ.
348	BOQ- PART-A ELECTRICAL(Depot) - E.01-2	Main Emergency Panel - INCOMER - 3 for DG Supply	BOQ and SLD is not matching for this Item . We shall follow as per BOQ. Please confirm	Please Follow BOQ.
349	BOQ- PART-A ELECTRICAL(Depot) - E.01-3	Main Normal Panel Workshop Block	I/C and O/G braker capacity of panel mentioned in the BOQ Items are not matching with SLD NGN -TD -ELC- 20DEP- 2011. We shall follow as per BOQ. Please confirm	Please Follow BOQ.



Sr. No.	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	Reply by DMRC
350	BOQ- PART-A ELECTRICAL(Depot) - E.01-4.5	Emergency Panel Pump Room	I/C and O/G braker capacity of panel mentioned in the BOQ Items are not matching with SLD NGN -TD - ELC- 20DEP-2011. We shall follow as per BOQ. Please confirm	Please Follow BOQ.
351	BOQ - DG FOR STATION & DEPOT	Sub Head-I DG Sets 1.0	We understand that this package is covering DG sets for Noida - Greater Noida station and Depot . For Ghaziabad and E&M Noida stations DG Sets and its accessories are not covered in this tender. Please	Confirmed
352	Volume -4 Peticuler Specification 3.1.4 Page No. 22	Approved Make - MV/LV Switchboard	Please consider CPRI approved Vendors and those vendors have supplied panel for earlier DMRC project. (Elevated / Underground)	Please refer clause 3.1.3 of PS Vol.4
353	Volume -4 Peticuler Specification 3.1.4 Page No. 23	Approved Make - MV Cabling	Please consider Polycab also in approved make list.	Please refer clause 3.1.3 of PS Vol.4
354	Volume -4 Peticuler Specification 3.1.4 Page No. 23	Approved Make - Lighting Pole	Please Consider Local Fabricated pole also.	Please Follow Tender Conditions.
355	General		In view of various discrepancies between BOQ and SLD, we are considering Panels as per BOQ. Please confirm	Please Follow BOQ.
356	Ref. Clause/ Doc.	Existing Clause	Clarification Sought	Reply by DMRC
357	General	Last date of submission of tender is 16th of November 2015	As you may appreciate that the tender requires detailed working and in view of the impending holidays, request you to extend the last date of submission by 3 weeks.	Please Follow Tender Conditions.

Sr. No.	Tender Document Ref	Dwg No.	Product	BOQ Description	Prebid Queries	Reply by DMRC
<b>PRE QUALIFICATION</b>						
358	NIT-NE-03			1.1.4.2 -Minimum Eligibility Criteria	Please modify clause as E&M WORKS MAY BE DEFINED AS WORK CONTAINING ELECTRIFICATION ,FIRE SUPRESSION OR DETECTION & VAC WORKS	Please Follow Tender Condition.
359	NIT-NE-03			1.1.4.2 -Minimum Eligibility Criteria	Please dilute clause THE MINIMUM QUALIFYING PERCENTAGE [ % ] CRITERIA FOR ELECTRICAL VALUE IN E&M WORKS{60%}	Please Follow Tender Condition. However it is clarified that for the purpose of evaluation-60% of the value of E&M works as required in the paragraph would mean 60% of value of 1.1.4.2A(i),A(ii) or A(iii) as may be the case. This implies that the value of E&M Portion of work executed in the work experience certificate should be more than 60% of Rs 128 cr / Rs80 cr / Rs 64 cr as may be the case.
<b>HVAC</b>						
360	Volume 4		Air compressors	The compressor shall have an integrated air cooled type refrigerant dryer in the downstream of the compressor .	One of your approved makes gives stand alone dryer units designed specially to suit the site conditions . Integrated dryers are not offered by all the manufacturer's as their standard manufacturing procedures . However stand alone dryers shall be	Please Follow Tender Condition.
361	BOQ		MS Pipes	Make connections including cutting hole in wall / floor / slab and making good the same with cement concrete 1:2:4 complete in all	We request you to keep the core cutting for pipes as a separate line item in BOQ ( measured in cum or nos ) .	Please Follow Tender Condition.
362	Volume 4		Air compressors	Connections to the appliances Connections of piping to all appliances shall be such that removable parts can be disassembled without requiring disassembly of the control systems, valves	For the given dimensions we shall provided threaded connections for the possible connections and welding for the rest . Kindly specify if any different / special connections are required to be considered .	Please Follow Tender Condition.
363	BOQ		1.1Air compressors	Piping cost	We understand that cost of pipes has been quantified separately under 1.2 and the same is not required to be considered under this item .	Please Follow Tender Condition.
364	Volume 4		Air compressors	Compressor control .	These are manufacturer's standard prodcusts and the compressor control shall be as per manufacturer's standard . We request your acceptance on the same .	Please Follow Tender Condition.
365	Volume 4		VRF	The refrigerant piping shall be extendable minimum 165 m with 50 m level without any oil trap.	We request more clarity on this .	No oil trap upto 165m refrigant piping
366	BOQ		Water cooled chillers	Water cooled chillers with VFD ( AHRI certified )	We wish to clarify that below 200 TR AHRI certificate is not mandatory . Hence we request you to waive off the same .	Please Follow Tender Condition.

Sr. No.	Tender Document Ref	Dwg No.	Product	BOQ Description	Prebid Queries	Reply by DMRC
367	Volume 4		Water cooled chillers	Each unit shall have a twin-screw compressor serviceable bolted semi-hermetic type.	The capacity being small , we request your acceptance on single compressor in additional to twin .	Please Follow Tender Condition.
368	BOQ		AHU	AHU double skin unit ( Eurovent certified for mechanical & unit performance )	Our AHU units shall be Eurovent certified for mechanical properties and performance datas shall be provided by AHRI certified software . We request your acceptance on the same.	Please Follow Tender Condition.
369	Volume 4		VRF	Approved make list	We request your acceptance on Voltas ( Media ) VRF units , which conforms to your specification .	Please Follow Tender Condition.
370	Volume 4		Water cooled chillers	Approved make list	We request your acceptance on Voltas make chillers, which conforms to your specification .	Please Follow Tender Condition.
371	Volume 4		Centrifugal fans	Approved make list	We request your acceptance on Kruger ( India ) , Greenheck , Nicotra , System air , Aerovent .	Please Follow Tender Condition.
372	Volume 4		AHU	Approved make list	We request your acceptance on Voltas make AHU which conforms to your specification	Please Follow Tender Condition.
373	Volume 4		Pump set	Approved make list	We request your acceptance on Grundfoss / Armstrong .	Please Follow Tender Condition.
<b>ELECTRICAL</b>						
374	Vol5Electrical Depot	NGN-TD-ELC-20DEP-2007 Sheet 1 of 1 (	Main Emergency Panel	Part A- Electrical ( Depot): Item No 2- Main Emergency Panel:	As per SLD, Aluminium Busbar is mentioned. But in BOQ Copper Busbar is mentioned. Please specify	Please follow BOQ.
375	Vol5Electrical Depot	NGN-TD-ELC-20DEP-2007 Sheet 1 of 1 ( MAIN SCHEMATIC DIAGRAM(PO WTER)	Main LT Panel	Part A- Electrical ( Depot): Item No 1- Main LT Panel: Electrolytic high conductivity Copper three phase and neutral busbars rated at 3200 A having a maximum <b>current density of 1.4 A per sqmm</b> with heat shrinkable insulation sleeves suitable to withstand	As per SLD, General Notes All Copper busbar shall have a size of Maximum Current density of 1.0 A Per Sqmm but in BOQ Current density of 1.4A Per sqmm is mentioned. Please specify whether Current density of copper is 1.0A/Sqmm or 1.4A /Sqmm	Please follow BOQ.
376	Vol5Electrical Depot	NGN-TD-ELC-20DEP-2007 Sheet 1 of 1 ( SCHEMATIC DIAGRAM FOR SUB PANEL (POWER))	Main Normal Panel Workshop Block	Part A- Electrical ( Depot): Item No 3.1- Main Normal panel Workshop Electrolytic <b>high conductivity Copper</b> three phase and neutral busbars rated at 2500 A having a maximum current density of 1.4 A per sqmm with heat shrinkable insulation sleeves suitable to withstand symmetrical fault level of 50 kA at 415 V.	As per SLD, Aluminium Busbar is mentioned. But in BOQ Copper Busbar is mentioned. Please specify whether Busbar is copper or Aluminium for Main Normal panel Workshop	Please follow BOQ.
377	Volume 4- Page No 36	-	Distribution Board	E02- Distribution Board Supply, installation, testing & commissioning of front operated front	Specification says Thickness of CRCA is 1.6mm but in BOQ 2mm thick is mentioned. Please clarify the thickness of DB.	Please follow BOQ.
378	BOQ	-	Cable	Supply, laying, jointing, terminating, testing and commissioning of 1100 V grade, armoured, FRLSH, XLPE, aluminium (AL) / Copper (CU) conductor cables on existing trays / walls/columns/ indoor including the	In BOQ item No-1a <b>directly buried items</b> are given separately hence We presume BOQ item no 1.1 to 1.21 , Cost of Excavation is not required.	It is very clearly written that cost of excavation is included.Hence,Please follow Tender Condition.

Sr. No.	Tender Document Ref	Dwg No.	Product	BOQ Description	Prebid Queries	Reply by DMRC
379	Vol5DwrngTenderStationElectrical	NGN-TD-ELC-11S50-1701 Sheet 1 of 1 ( MAIN SCHEMATIC DIAGRAM (POWER))	MDB ( Normal Supply)	Part A- Electrical (Station): Item No 1.1(a) - Main Distribution Board (MDB) - (Type-1 & 2 ) Transformer Incoming- <b>630A ACB</b>	As per SLD, Type 1, 2 & 3 <b>800A ACB</b> is mentioned. But in BOQ Type 1 & 2 630A ACB & Tyope 3 800A ACB is mentioned. Please clarify whether shall we follow as per BOQ or SLD.	Please follow BOQ.
380	Vol5Electrical Depot	NGN-TD-ELC-20DEP-2007 Sheet 1 of 1	Light Fixtures/ Switch & Socket	E04- Conduit wiring	Light & Power Layout is not provided for depot. Drawing for ETU Workshop - LIGHT & POWER LAYOT is provided However Location of light/ Switch are missing.	Detailed drawing & layout to be prepared by contractor
381	Approved Make List		LT Panel		We request you to included some more Panel Manufacturers like Zenith, Adlec etc	Please Follow Tender Condition.
382	BOQ	-	Light Fixtures	E-05- Indoor Lightings & Fans for Admin Building	Please Provide the catalogue number of any of the vendor	Please Follow Tender Condition.
<b>FIRE FIGHTING SYSTEM</b>						
383	NE-03 PARTICULAR SPECIFICATION PART-A 1.12.2 Fire Detection System /Fire Suppression System Page 8			Obtaining approval of the proposal prior to commencement of work and clearance after completion of work from the local Fire Control Authorities shall be within the scope of the contract.	Clearance after completion of work from the local Fire Control Authorities is in our scope only. Please confirm	Please Follow Tender Condition.
<b>PRE QUALIFICATION</b>						
384	NE-03 PARTICULAR SPECIFICATION PART-A 1.14 INSPECTION AND TESTING Page 9			1.14.1 Material testing 1.14.2 Inspection at manufacturer's Works 1.14.3 Testing at Site before installation	Please furnish equipment list need to inspect at OEM factory or out of project site.	Please Follow Tender Condition.
385	NE-03 PARTICULAR SPECIFICATION PART-A 2.10 LIST OF MANDATORY SPARES Page 19			2.10.1 A list of Mandatory/contract spare to be supplied at intervals specified by the employer is enclosed below	Kindly confirm where we have to add the mentioned Spare list in offer.	It is covered in BOQ of DLP.

Sr. No.	Query	Reply by DMRC
386	Requesting to include the SIEMENS Make in MV/LV panel	Please refer to the addendum No.-1, Part A of Particular Specification, clause no. 3.1.3, 3.1.4 for your Reference.