

Corrigendum V: Part- A

Date:- 13/07/2016

Pre-Bid Queries and Reply

Tender Notice No: N1C-05/2016 Dated 14.05.16

Name of Tender : Pre-bid Queries for "Construction of METRO Train Depot at MIHAN (North-South Corridor) & HINGNA (East-West Corridor) including Civil & E&M Works for Nagpur Metro Rail Project"

S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
1	Part-4: Financial Bid & Bill of Quantities	Schedule-A-General, S.no. 3	Provide furnished office at site , for use of Client's Representative and his supporting staff approximately 150 sqm area at site and 30 sq m at casting yard as per drawing and Technical Specifications UNIT QTY ESTIMATED RATE (Rs.) AMOUNT (IN RUPEES) Permonth 300 100000 30000000	This item is not clear, kindly clarify.	Please refer revised BOQ (Corrigendum V: Part-E)
2	Part-2, Section-VII (A &B)		Scope of Work	Not Clear. Kindly provide clear scope of work for both depot buildings.	Tentative Depot layout and area plan uploaded (Refer Corrigendum V: Part-D)
3	Part-2, Section-VII (A)	2.7	Land for casting yard, batching plant and other activities shall be identified by the contractor and cost towards it shall be borne by contractor. In case land is made available by NMRCL, contractor shall pay the rent for the same.	Is batching plant and labour camp permitted inside Depot?	Clause is self explanatory. Tender condition prevail.
4	Part-4: Financial Bid & Bill of Quantities S.no. 3 of Schedule-A-General		BOQ	The BOQ provided seems to be for all the buildings..Kindly provide BOQ for each and every buildings separately. No of floors of buildings. Also provide the drawings for all the buildings floorwise. Type of structure. Also clarify whether PT slab is there?	Not required as it is an item based tender. There is no PT slab proposed.
5	Price Variation		ITB 35.2 In evaluating the Bids, the Employer will determine for each Bid the evaluated Bid price by adjusting the Bid price as follows: (a) making any corrections for errors pursuant to ITB 31.2; (b) making appropriate adjustments for conditions, qualifications, deviations, etc. pursuant to ITB 14.12. (c) not applicable (d) converting the amount resulting from applying (A) and (B) above to a single currency in accordance with ITB 32.1; (e) not applicable (f) no change Price variation clause will not be considered for financial evaluation.	Is Price variation part of Contract value? Please clarify.	Clause is self explanatory.
6	Chapter 5 DPR Clause 5.8.8			Depot land to be provided at Khapri MIHAN) is 33.90 Ha and for Hingna it is 25.89 ha. Please clarify.	Tentative Depot layout and area plan uploaded (Refer Corrigendum V: Part-D)

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7	Storage area			Can storage area be provided inside Depot. Please clarify.	Please refer SN 3
8	Open foundation			What is the maximum depth in case of open foundation? Please clarify.	This is a Item based tender. All construction details will be issued prior to start of work at site.
9	Part-4: Financial Bid & Bill of Quantities S.no. 8.1 of Schedule-C-General			Unit quantity is missing. One number 3680 against quantity is appearing. Please clarify.	Please refer revised BOQ (Corrigendum V: Part-E)
10	Part 3 Section 9 PCC	Clause No. 88	These Depot Construction has been designed and to be constructed as a Green Building as per IGBC MRTS Rating norms. The construction shall include the concept of Green Building as per IGBC guidelines and as per direction of Engineer.	Use of flyash will save the cost, the benefit has to be pass on to the Employer. Is it mandatory to use flyash? Please clarify.	Clause is self explanatory.
11	SECTION VIII: General Conditions of Contract.	18.4	Minimum amount of third party insurance.	Do we need to add third party insurance in our cost?	Refer to SN 50 of Part-3, PCC,Contract Data
12	Taxes, Part 1, Section 2, BDS	ITB 14.11 (additional para)	(a) Taxes prior to Base date i.e 28 days prior to latest date of submission of Bid is deemed to be inclusive of price quoted by Bidder. (b) Any change in legislation of any kind of Taxes by Govt or GOM, after Base Date shall be accounted for separately and It is applicable both way (Reimbursement & Deduction)	We do not know when the Government may enhance or notify any new Tax. As such the Taxes will be charge as applicable at the time of invoicing during the price of the contract.	Clause is self explanatory.
13	Piling locations			Kindly specify the name of structures where piling is proposed.	This is a Item based tender. All construction details will be issued prior to start of work at site.
14	Bid Submission Date	NIT	01.07.2016 UP TO 16:00 Hrs	Bidder request to extend the bid submission date atleast 2 weeks from 1.07.2016 as we have another tender of 10 elevated stn. for REACH -3 in the same time.	Please refer corrigendum V:Part- B
15	VOL- I, PART -I, SECTION -III, CL. 6	EQUIPMENT TO BE DEPLOYED	Fully automatic and computerized batching plant (2 nos. of 30 cum) minimum or equivalent capacity in different configuration at casting yard with an RO of suitable capacity for proper quality of wate	As in the Depot tender no casting yard is required, please delete this description	Tender conditions prevail.

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16	Technical Requirements (Form EXP 4.2(a) of N1C-05/2016)		<p>A minimum number of similar contracts specified below that have been satisfactorily and completed as a prime contractor, joint venture member³ during last 10 (Ten) years i.e., up till 30.04.2016</p> <p>i) Construction of Metro Depot / **Similar Works:</p> <p>(a) Should have received at least INR. 2400 Million in one Single Contract comprising of metro depot or metro construction works which should have been substantially completed civil construction works. OR</p> <p>(b) Should have received at least INR. 1550 Million each in two contracts. Out of the two contracts, one contract must cover at least one substantially completed Metro onstruction work and the second contract may be**Similar Works: OR</p> <p>(c) Should have received at least INR. 1240 Million each in three contracts. Out of the three contracts, one contract must cover at least one substantially completed Metro Construction work and the second contract may be**Similar Works:</p>	<p>Kindly change the word received to completed.</p>	<p>Refer Corrigendum V:Part-C.</p>
17	Part- 1: Bidding Procedure Section - IV Bidding Form Pg. 134- 135 (pdf Pg.Nos.143-144	9. Form of Legal Capacity/ Power of Attorney	Format for Board Resolution to be passed by bidder (not applicable in case of consortium)	<p>The format providd in tender document for board resolution is project specific. You will appreciate the fact that board resolutiion empowers directors of company to further issue power of attorney to authorized persons and which is in the format approved by company secretary. Kindly confirm our above understanding for submission.</p>	<p>Cannot be acceded to.</p>
18	Part- 1: Bidding Procedure Section - IV Bidding Form Pg. 152(161)	15. Sample format for banking reference for Liquidity	<p>BANK CERTIFICATE AS PER TENDER</p> <p>This is to certify that M/S..... Is a reputed company with a good financial standing. If the contract for the work</p> <p>namely..... is awarded to the above firm, we shall provide overdraft/ credit facilities to the extent of Rs..... to meet their working capital requirements for executing the above contract.</p>	<p>Bank Certificate Format Proposed This is to state that as on the date of issuance of this certificate to the best of our knowledge and information M/S Reliance Infrastructure Limited, having registered office/ presently residing/ having principal office at H block 1st Floor, Dhirubhai Ambani Knowledge City, Navi Mumbai- 400710, a customer of our bank, can be treated as good up to sum of Rs..... Crores (Rupees Crores only) Kindly confirm that we can submit banker certificate as per above format.</p>	<p>Cannot be acceded to.</p>
19	Section 2- BID data sheet	ITB 4.1	Maximum number of members in the JV shall be: 3 Lead member should not have less than 40% participation and other member shall have minimum 20% participation in the proposed JV/ consortium for this work.	<p>Kindly request you to revert whether the lead member request 26% participation in the proposed JV/ consortium for this work. We would like notify the above said is the mandatory requisite in DMRCL/ BMRCL & MEGA.</p>	<p>Refer Corrigendum V:Part-C.</p>

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20	Section 2- BID data sheet,Part 1 section 2 BDS ITB 19.1	ITB 19.1	A bid security is required in two parts (in Indian rupees or equivalent USD): (a) INR 3.50 million (Three point five million only) as cash by RTGS/ NEFT/ Credit card as per procedure given in e-tender portal (b) INR 12.50 Million (Twelve point five million only) in form of unconditioned guarantee issued by any Nationalised or Scheduled commercial bank of Indian origin or Scheduled commercial foreign bank having business office in India.	In this tender bid security is to be paid in two parts, Part A- Rs 45,00,000/ NEFT/ RTGS/ Payment via net banking facility provided by bidder's bank & Part- B Rs. 1,75,00,000/ in the form of bank guarantee. (Please clarify: In joint venture or who has to be submitted the bank guarantee.	1) The payment of Part A (cash component shall be made as per clause ITB 19.1 (Part 1, section 2 BDS). 2) Please refer "Guarantee for safe custody" (Part 3 ,section 10, contract form.)
21	DRAWINGS FOR PEB STRUCTURE		NOT ISSUED WITH UP LOADING DOCUMENT	Bidder request to issue the Tender drawings (Plan, elevation & sections) of all PEB structure to get vendor offer. All PEB vendors are asking the drawings to quote.	This is a item based contract. Construction details shall be issued prior to construction at site.
22	DRAWINGS FOR M&E Works		NOT ISSUED WITH UP LOADING DOCUMENT	Bidder request to issue the Tender drawings (SLD & OTHER DETAIL) of all structure to get vendor offer. All vendors are asking the drawings to quote.	This is a item based contract. Construction details shall be issued prior to construction at site.
23	SCHEDULE "I"	Preamble to BOQ,POINT 20, CL. 5 & ABSTRACT OF SCHEDULE "I"	The rates for items to be executed under Schedule-"I" shall be as per schedule base rate of CPWD DSR of 2012 with latest amendments / directives as issued by CPWD applicable for Nagpur region. Miscellaneous items such as Road repair, Footpath, Dismantling, Tree cutting, Excavation, Turfing in bankign, Utility diversion (Sewerage storm water drain/water supply line) etc , and anyother items which are not covered in other schedules. The work will be carried out in CPWD /DSR 2014.	In the preamble it is mentioned the amount in Schedule "I" has been put as DSR 2012 but in the Abstract it is mentioned the work to be carried out as DSR 2014. Please clarify the discrepancies.	Please refer revised BOQ (Corrigendum V:Part-E)
24	RE WALL	BOQ item no. 2.4.1 of schedule "C"	RE WALL: Providing REINFORCED EARTH STRUCTURE with precast cement concrete wall of 180mm thick in M-35, Synthetic Geogrid as per Clause 310.2 & filling approved material including designing, assembling, joining and laying synthetic geogrid, Foundation for Precast CC elements in CC M 15, filter media of 300mm thick along wall, filling between wall by approved soil, compacting upto required max density. Item includes all labour, material, machineries required for work complete as per Engineer in charge. Sqm 4120.00 1960.00 Nagpur SOR. Spec.No.: As directed by Engineer- in-charge.	In the last line the 42001960 sqm not understand. Please clarify is it a typographical error or the actual quantity?	Please refer revised BOQ (Corrigendum V-E)

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25	Concertina Coil	BOQ item no. 3.6 of schedule "C"	Providing and Fixing Concertina Coil Fencing with punched tape concertina coil 600mm dia 10 metre openable length (total length 90M) having 50 nos rounds per 6metre lenght, upto 3metre height of wall with existing angle iron 'Y' shaped 3 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with GI staples and GI clips to retain horizontal including necessary bolt or GI barded wire tied to angle iron all complete as per direction of Engineer Incharge with reinforced barbed tape (R.B.T.)/ Spring core (2.5mm thick) wire of high tensile strength of 165kg/MMsq with tape (0.52 mm Thick) and weight 43.478gm/metre (Cost of angle, CC blocks shall be paid separately)	the unit of the concertna coil has been put M.T. And the unit rate has been put Rs.295 . The unit should be Running Meter. Please confirm	Please refer revised BOQ (Corrigendum V:Part-E)
26	Micro concrete	BOQ item no. 3.8 of schedule "C"	Providing and fixing M35 grade Micro concrete of Ultratech Zip make or equivalent. (Weight of each bucket shall not be less than 30kg)	the unit of the micro concrete has been put "Bucket" Please clarify, whether the unit should be in Cum.	Tender conditions prevail.
27	Bored Piling	BOQ item no. 6.1 of schedule "C" Note	Note: Piling should be done only by hydraulic rigs .	Bidder request to delete this note as due to soil condition, there may be require the cheselling of hard rock by Bailer- chesel with conventional trypod rig. Already this practice are using by NMRCL in via duct contract REACH- 1 & 2.	Tender conditions prevail.
28	Bored Piling	BOQ item no. 6.1 of schedule "C" Note	NOTE :-Contractors will have the option to use driven cast in situ piles instead of bored cast in situ piles as detailed, if they so propose above.rest of the terms and condition remains unchanged.	The dia of pile has been mentioned in the BOQ 800MM & 1000MM .As per Code Driven pile can be operate up to 600mm to 650mm. So please clarify how contractor can execute the driven piling keeping the other condition same like dia of pile , length of pile.	Please refer revised BOQ (Corrigendum V:Part-E)
29	PART -I	SECTION -III, CL- 5	Chief Project Manager (Team Leader) Graduate in Civil Engg. Minimum total experience of 15 years out of which, minimum 05 years as Incharge of similar works	Bidder request to allow alternative Diploma Engg of 20 Years Exp.	Tender conditions prevail.
30	PART -I	SECTION -III- CL. 5	Project Manager 6 Graduate in Civil Engg.-02 No Graduate in Mechanical Engg.-02 No Graduate in Electrical/Electronic Engg.-02 No Minimum total experience of 10 years out of which, minimum 03 years as Incharge of similar works	Bidder request to allow alternative Diploma Engg of 15 Years Exp.	Tender conditions prevail.
31	PART -I	SECTION -III, CL. 6	Fully automatic and computerized batching plant (2 nos. of 30 cum) minimum or equivalent capacity in different configuration at casting yard with an RO of suitable capacity for proper quality of wate	As in the Depo tender no casting yard is required, please delete this description	Please refer to serial no 15
32	PART -I	SECTION -III, CL. 6	Cranes / road cranes in casting yard / site of suitable capacity	As in the Depo tender no casting yard is required, please delete this description. Also 4 No crane is on higher side. Bidder proposed 2 nos for 2 yard.	Please refer to serial no 15

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33	PART -I	SECTION -III, CL. 6	5.Vibratory rollers 4 6. Motor Grader 4 7. Water Tanker 10 8. Hydraulic Excavator 4 9. Loader Excavator/Back hoe 8	The no. Of equipment deployment are in higher side compair to the quantum of work involve. So bidder request to reduce the no. Up to 50% of each catagory.	Tender conditions prevail.
34	PART -I	SECTION -III, CL. 6 ,note (b)	In case contractor opts for short line method for casting, the no. of pre-Casting beds would increase accordingly.	This note not relevent to this contract, so bidder request to delete this note.	Tender conditions prevail.
35	FILLING SOIL AT MIHAN YARD		AS PER SITE VISIT	During site visit ,it has been apper that at MIHAN Yard land development are going through other contractor. The land are developed by putting big size boulders also. So bidder apprehent that during piling work this loose boulder will counter which will be very diffcult to brake by rotary rig and also make slow progresses of piling. so bidder request to consider the same during piling work .	Scope of work is distinctly defined for all contractors.
36	land for Labour Camp/Site office/ store/ Batching plant etc.		AS PER SITE VISIT	During site visit ,it has been apper, lot of open land are available in the both Yard for contractor site establishment like office/store/batching plant/labour hutment etc. So bidder understand that contractor can use the land free of cost for said purpose without hampering the project schedule. please confirm.	Please refer SN 3
37	Part -2 Technical Specification, Electrical Works	1.2.2	Whenever requested by the client / consultant , the Contractor shall send materials to be tested by an independent institute selected by the client / consultant without additional cost to the Client.	Bidder request to re-imburse te cost of the testing, as the materials are selected from the approved make list, provided by the client or incase the material is tested from the independent laboratory successfully expenses towards testing to be borne by the client.	Tender conditions prevail.
38	Part -2 Technical Specification, Electrical Works	3.4.1	Earth Leakage Circuit Breaker Current Operated Type (ELCB).ELCB/RCCB shall be current operated independent of the line voltage, current sensitivy of aminimum of 30 mA and a maximum of 300 mA at 240/415 volts AC and shall have a minimum of 20,000 electrical operations.	Bidder request to confirm the sensitivity of the ELCB/RCCB.	Refer to Corrigendum V:Part-E revised BOQ, .
39	Part -2 Technical Specification, Electrical Works	7.2.1.3	Switches installed outdoors shall be industrial, metal clad type, and shall be provided in weatherproof enclosure, complete with weather proof gasketed covers.	Bidder requests to change the metal clad socket into PVC type industrial sockets, as the maximum manufactures manufacture only PVC type sockets. Please confirm	Tender condition prevails
40	Part -2 Technical Specification, Fire Fighting Works	4.11.7 & 4.11.8	Pressure Switch & Pressure Gauge	Though the same are mentioned in the specification, but not available in BOQ item. Bidder request to enlist the same items in the BOQ, to check and maintain the system pressure and also request to mention the required qty.	Please refer revised BOQ (Corrigendum V: Part-E)

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41	Part -2 Technical Specification, Electrical Works	7.1.6.1	Type of Conduit All conduits for wiring system irrespective of surface or concealed shall be of G.I Generally concealed electrical wiring installation shall be in GI conduits and surface wiring also in G.I. conduits.	Bidder reques to clarify the type of conduits to be used for the internal wiring purpose.	Refer to Corrigendum V:Part-E
	PART 4: Financial Bid & Bill of Quantities	Sub Schedule -1, item 1, Electrical Works	Point wiring for switch controlled primary light points with 3 x 2.5 sq mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (50 strands of 0.25 mm dia) copper conductor wires in IS embossed 25mm dia MS recessed and/or surface conduiting system including cost of wire, cost of providing saddles/ hangers etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting and including the cost of supplying and fixing modular grid plate mounted flush mounted 240V, 6A control switch of approved quality & colour housed in zinc chromate passivated MS boxes with moulded cover plate and including cost of circuit wiring (from DB to first switch in the sub circuit) complete as per specifications and as required.		
42	Part -2 Technical Specification , HVAC System	11.7	Ventilation System	Bidder request to confirm if the fans to be used are fire rated/flame proof type or not.	Refer to Corrigendum V:Part-E
43	PART 4: Financial Bid & Bill of Quantities	Electrical Works,Sub Schedule -1, item 1	For item No.1.1.1-1.3.1,2.1,3.1,4.1-4.11,5.1-5.2.2,5.3.1-5.11	Bidder request to provide the details and the length of/distance between the Switchboard, primary points/secondary points/socket outlet /exhaust &ceiling fan points.	Refer to Corrigendum V:Part-E, revised BOQ, Schedule-F(Sub-schedule-1)
44	PART 4: Financial Bid & Bill of Quantities	Electrical Works, Sub Schedule -1, item 1	For item No.1.1.1-1.3.1,2.1,3.1,4.1-4.11,5.1-5.2.2,5.3.1-5.11	Bidder request to provide the drawings of internal wiring to calculate the length of/ distance between the Switchboard, primary points/secondary points/socket outlet /exhaust &ceiling fan points.	This is a Item based tender. All details will be issued prior to start of work at site.
45	PART 4: Financial Bid & Bill of Quantities	Electrical Works ,Sub Schedule -2	LT Panels	Bidder requests to confirm if the MCCBs to be used are of Microprocessor based release or thermal magnetic release type.Bidder also requests to confirm if the communication facilities is required to communicate with SCADA & BMS System	Refer to Corrigendum :V Part-E,revised BOQ,

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46	PART 4: Financial Bid & Bill of Quantities	Electrical Works,Sub Schedule -4	Supply, installation, testing and commissioning of factory fabricated and factory assembled, sheet steel clad powder coated, wall/recess mounting dust and vermin proof (IP-54 ingress protection) double door vertical type Distribution Boards fabricated from 16 SWG sheet steel provided with hinged gasketed door with padlocking facility and including suitably rated PVC insulated copper busbars with interconnections and neutral bar assembly, earthing terminals etc. complete as required, as below and as per. sample to be approved by architects and as per	Bidder requests to confirm if the communication facilities is required to communicate with SCADA & BMS System.	Refer to Corrigendum V:Part-E, revised BOQ,
47	PART 4: Financial Bid & Bill of Quantities	Electrical Works,Sub Schedule -6, E 5.1 & 5.2	Ceiling fan 1200 mm sweep with Electronic regulator complete with all accessories required.	Bidder requests to confirm if the regulators of the fan will be 5 step or not.	Clause is self explanatory.
48	PART 4: Financial Bid & Bill of Quantities	HVAC Works,Sub Schedule -3	Supply,installation,testing and commissioning of control cum transmission wiring of 2 core x 1.5 sqmm copper in suitable GI conduits between indoor and outdoor unit and from indoor to controller	Bidder requests to confirm if the cables are of FRLSZH type or not.	Refer to Corrigendum V:Part-E, revised BOQ,
49	PART 4: Financial Bid & Bill of Quantities	HVAC Works Sub Schedule -2,4 & 5	LT Cables	Bidder requests to confirm if the cables are of FRLSZH type or only XLPE type.	Refer to Corrigendum V:Part-E, revised BOQ, Schedule-G(Sub-schedule-3).
50	PART 4: Financial Bid & Bill of Quantities	HVAC Works Sub Schedule -2,	Supply,installation,testing and commissioning of armoured XLPE cables for connection between outdoor condensing units and MCCB isolators complete with clamps & fixing arrangement as per specifications and drawing, based on location of MCCB at a distance not exceeding 5 m from each condensing units.	Bidder request to provide the drawings for the same to calculate the length cables to required for the connection between outdoor unit & MCCB isolators.	This is a item based contract. Further details shall be issued prior to construction at site.
51	Annexure - IX A	List of approved makes	MS/GI Conduits ISI embossed black enamelled /galvanized	Bidder requests to include the name of M/s. Vimco for the same.	
52	Annexure - IX A	List of approved makes	MS Raceways and raceway accessories	Bidder requests to include the name of M/s. OBO Bettermann for the same.	
53	Annexure - IX A	List of approved makes	Modular grid plate wiring accessories (switches, socket outlets bells etc.) with boxes.	Bidder requests to include the name of M/s. Schneider & Havells for the same.	
54	Annexure - IX A	List of approved makes	Under floor junction boxes and cable management system	Bidder requests to include the name of M/s. OBO Bettermann & MK- Honeywell for the same.	
55	Annexure - IX A	List of approved makes	Weather Proof plugs and sockets (IP 65 / 66)	Bidder requests to include the name of M/s. L&T & Cape Electric for the same.	
56	Annexure - IX A	List of approved makes	Distribution Boards	Bidder requests to include the name of M/s. L&T for the same.	
57	Annexure - IX A	List of approved makes	Main LT switchboards,PLC Panels Capacitor Panels,Floor LT panels	Bidder requests to include the name of M/s. Marine Electricals, Adlec power & Milestone Switchgear for the same.	

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58	Annexure - IX A	List of approved makes	Light Fixture & Accessories	Bidder requests to include the name of M/s. Bajaj Electricals & CGL for the same.	Refer to Corrigendum V: Part-B.	
59	Annexure - IX A	List of approved makes	Lighting Control system	Bidder requests to include the name of MK-Honeywell for the same.		
60	Annexure - IX A	List of approved makes	Ceiling Fans	Bidder requests to include the name of Bajaj & Havells for the same.		
61	Annexure - IX A	List of approved makes	CO2 Fire extinguishers	Bidder requests to include the name of Fireshield, Minimax, Safex & Ge-Tech for the same.		
62	Annexure - IX A	List of approved makes	BMS / SCADA	Bidder requests to include the name of L&T Automation for the same.		
63	Annexure - IX A	List of approved makes	DG SET	Bidder requests to include the name of Greaves Cotton for the same.		
64	Annexure - IX A	List of approved makes	Fire hydrant valves, Fire hose pipes with Stainless Steel coupling, Rubber hose reel, First aid fire hose reels, Fire extinguishers, Sprinkler heads	Bidder requests to include the name of Ge-Tech for the same.		
65	Annexure - IX A	List of approved makes	Fire alarm detectors	Bidder requests to include the name of Honeywell Esser for the same.		
66	Annexure - IX A	List of approved makes	VRV Unit	Bidder requests to include the name of M/s. LG for the same.		
67	Annexure - IX A	List of approved makes	Fans	Bidder requests to include the name of M/s. Airflow for the same.		
68	Annexure - IX A	List of approved makes	Grille/diffuser and fire damper	Bidder requests to include the name of M/s. Ruskin Titus for the same.		
69	Annexure - IX A	List of approved makes	Factory fabricated ducting	Bidder requests to include the name of M/s. Ruskin Titus for the same.		
70	Bid Submission Date	NIT	01.07.2016 UP TO 16:00 Hrs	Bidder request to extend the bid submission date atleast 2 weeks from 1.07.2016 as we have another tender of 10 elevated stn. for REACH -3 in the same time.		Refer SN 14.
71	Drawings	Plans, Cross Section, details etc.	Plan, cross section, details etc. are not provided in the tender documents.	Plans, cross section, details etc are not provided in the tender documents. We request you to kindly allow us to submit our prebid queries in 7 days after issuance of drawings.		This is a item based contract. Construction details shall be issued prior to construction at site.
72	SUB SCHEDULE-1: EARTH WORK- EXCAVATION & BACKFILLING	Excavation and Backfilling	Excavation, for open foundations, in all types of soil, below ground as encountered of all types & thickness, including dismantling of other structures, dead utilities ,sorting out stacking of useful material and disposing of excavated stuff using covered trucks to dumping yard and as directed by the Engineer so as to ensure that during transportation the carried material does not spill out with all leads and lifts, including all supports (by sheet pile/ shoring / stutting to retain and support the soil/ Sloped Excavation or other methods) for stability including dewatering, pumping and bailing out of water.	Disposal may kindly be allowed in dumpers / open trucks also. We presume that dumping yard will be provided by NMRCL at free of cost. Kindly let us know the lead of dumping yard from site.	Cannot be acceded to.	

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73	Item No. 4, Schedule A, General	Vehicles with the full time driver	Provide the following vehicles with the full time driver for the use of Engineer and his representatives, including fuel and maintenance of the vehicle as per para-c of Annexure-IX-D of special Conditions of contract and specifications. In case of breakdown or during maintenance of vehicle the contractor shall make arrangements for providing an alternative vehicle: Note: Payment shall be made as per specifications for each. Depots for 4000 kms per month and 24 hrs time.	We understand that if a running in a month is less than 4000 km, full payment will be made. Also, please let us know the rates at which running above 4000 km will be paid.	Please refer revised BOQ (Corrigendum V: Part-E)
74	Item No. 3.1, Schedule C	Reinforcement	Only TMT reinforcing bars of grade Fe500 (0.2% proof stress/yield stress not less than 500 Mpa) confirming to IS:1786-1985 shall be supplied and used as reinforcement steel for the permanent work	BOQ specifies that Fe 500 D steel be used, whereas specification specifies that TMT Fe 500 steel be used. Kindly clarify.	Please refer revised BOQ (Corrigendum V: Part-E)
75	SUB-SCHEDULE-7 Roofing	Stone and Granite works and tile works	Stone and Granite works and tile works	As the stones and flooring tile costs vary over a wide range, you are hereby requested that the basic rate be provided for stones and flooring tiles and price variation be paid based on the difference between actual purchase price and basic rates.	Tender conditions prevail.
76	Item no. 7.4 & 7.5	Subtex Texture steppe edge & Ekcelsior SoundSoak (cord) panel	Subtex Texture steppe edge & Ekcelsior SoundSoak (cord) panel	Only name of the Anutone is mentioned in the BOQ. Kindly let us know if product from other vendors are also acceptable. Kindly provide the names of the vendors.	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B
77	SUB-SCHEDULE-4 STEEL WORKS	Item No. 4.4	Providing and Fixing Ball bearing for rolling shutters	We presume the unit of item is Nos. Kindly confirm	Please refer revised BOQ (Corrigendum V:Part-E)
78	SUB-SCHEDULE-4 STEEL WORKS	Item No. 4.5	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc, including welding, grinding , buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc, of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc)	Kindly provide the detailed drawings for this item.	This is a item based contract. Construction details shall be issued prior to construction at site.
79	Approved Makes	Part III: Section IX: Annexure IX-B- Approved Vender List (Civil)	Approved vendor for Aluminum windows and glazing is Ajit India only.	Kindly provide few more vendors to obtain competitive pricing.	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
80	Approved makes	Part-III:Section IX: Annexure-IX-B- Approved Vender List (Civil)	Approved vendor for are TT, Framacad, Voltagreen, Everest, ZAMIL	Kindly provide the contact details of TT, Framacad for engineered buildings.	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B
81	Approved makes	Part-III:Section IX: Annexure-IX-B- Approved Vender List (Civil)	Approved vendor for Barbed Wire / Chain-link fencing	Kindly incorporate the name of AI fencing as well.	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B
82	Tender Security	E Tender Notice	The total security amount shall be a total of INR 16 million submitted as below: (a) INR 3.5 million by RTGS/NEFT/Credit Card Online as per procedure in E-tender Portal. (b) INR 12.50 million in form of Bank Guarantee, as per procedure given in bid documents.	We request you to kindly accept total EMD in the form of bank guarantee.	Cannot be acceded to.
83	Sub-Clause 13.3.3 (New sub-clause)	Part 3: Condition of Contract & Contract Form	An amount of 20% of items (i), (ii), (iii) and (iv) above to allow for Contractor's overheads, profits and corporate taxes. This percentage shall also apply to estimated cost of Material supplied free to the Contractor.	We request you to kindly revise the formula for rates of extra items to Rate of extra item = Cost of material + labour + machinery +25% towards OH & profit + Taxex.	Cannot be acceded to.
84	Tender notice	E tender notice	Time for commencement of the work shall be 110 weeks.	Considering the complexity and magntude of the work, we request you to kindly revise the completion period to 156 weeks	Tender condition prevails.
85	Part-2: Work Requirement Section VII-A General Specification	Page no. 182 Clause xxi)	The contractor has to get necessary permission/ NOC from the railway, road and other concerned regulatory authorities for block and working in such locatios. NMRCL will assist for getting them permission from concerned reulatory authorities for working in such locations. The proceeding for such permission shall be initiated by contractor.	We request you to kindly exempt us from obtaining all the permissions except labour licence.	Tender conditions prevail.
86	Sub Clause 14.2, Part 3 PCC	Sr. No. 38, Total advance payment	An interest free Advance Payment of 10% (Ten Percentage) of the Accepted Contract Amount payable in two insullments-5% (Five percent) in first installment and 5% (Five Percent) in second installment - in the currencies and proportions in which the Accepted Contract Amount is payable	We request you to pay us an interest free mobilization advance amounting 10% of contract amount along with LOA and oblige	Tender conditions prevail.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
87	Sub-clause 13.7- adjustments for Chages in Legislation	Page no. 1088 of PART3: Condition of Contract & Contract Form	However, In the event the GST is imposed, it will be presumed that it is replacement to the existing taxation and not an additionlity authority, having jurisdiction or administrative authority, having jurisdiction, issues the decision/ GER/Govt. Order in writing, taking in to account the taxex applicable prior to GST, additional amount will be paid or difference will be recovered as a result of GST.	The Clause be replaced by.In the event the GST is imposed, additional amount will be paid or difference will be recovered as a result of GST.	Cannot be acceded to.
88	SECURED ADVANCE		There is no clause in the tender.	We request you to pay us secured advance@90% of value of materials brought at site	Cannot be acceded to.
89	Clause no. 4	Page no. 1298, Part III: Condition of Contact, Section-DC, Annexure-IX-C	All L.D is put together is subject to a minimum of 10% of aaccepted contract amount	Kindly reduce the ceiling of maximum liquidated damages to 5% of the contract as practiced by most of the goverment organizations.	Tender condition prevails.
90	Page-2: Work Requirement Section VII-A:- General Specifications	Clause no. 27	Land for casting yard, batching plant and other activities shall be identified by the contractor and cost towards it shall be borne by contractor.	Kindly provide us the land casting yard, batching plant and other activities and also let us know the rates at which renbt would be changed.	Cannot be acceded to.
			In case land is made available by NMRCL, contractor shall pay the rent for the same		
91	Due dates of submission	Page no. 1, E Tender notice	Online Submission up till 16.00 Hrs. On 1.07.2016 in NMRCL's e-tender notice	The tender involves various specialized work for which quotes will have to be invited form such vendors and futher these quotes will have to be negotiated further to optimize the price. Therefore, you are requested to kindly extend the duedate of sumission of tender atleast 1 month after the issurance of clarification.	Refer to SN 14.
92	4.2 section III	Evaluation & Qualification	**Similar Works	Please consider any types of civil works as similar works.	Refer to SN 16.
93	38 section IX	PART 3: Condition of Contract	Total Advance Payment	Condition of submission 110% Bank Guarantee may please be relaxed for first advance as performance guarantee will be with NMRCL.	Tender condition prevails.
94	3.1 Part-1: Section III- Bidding Procedure	& Contract Form	1) Supported documents 2) Bid Capacity	1) Balance sheet for 2015-16 is not finalized. We will submit previous 5 years balance sheet. 2) For Bid capacity, no form is prescribed.	Please Refer Part-1, Section IV, 5.7 form FIN-3.4

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
95	3.3 Part-1: Section III- Bidding Procedure	SECTION IX: Particular Conditions of Contract	Submission of Bankers letter for Standard Account	If CDR is not availed, submission bankers letter is not necessary. We will submit undertaking.	Accepted. Accordingly undertaking should be submitted.
96	Part-1: Section IV- Bidding Procedure	2.2 Statement of Integrity, Eligibility and Social and Environmental	In the bidding form, it is mentioned that bidder has no legal relationship with KfW. However KfW has right to audit/check bidder's account books.	1) Please amend the form as provisions seem to be contradictory. 2) The form is to be submitted by successful bidder after award as contract number is to be mentioned.	1. Cannot be acceded to. 2. The bidder to mention the tender no. in space provided for Contract no. The form is to be duly filled in signed by the authorise by the POA & duly uploaded along with bid submission.
97	Part-1: Section IV- Bidding Procedure	Undertaking for passing on benefits of exemptions to NMRCL.	Bidder has asked to submit undertaking for passing of the exemptions to NMRCL.	Please clarify about these exemptions.	Clause is self explanatory.
98	Bidding Form	NMRCL and for adjustments of amounts due from balance	Employer and its IT Implementation Agency shall render necessary assistance for the training of contractors staff.	NMRCL shall help in establishing such set up free of cost.	Clause is self explanatory. Tender condition prevails
99	Page 1300	Office Establishment	Successful bidder has to establish office. The cost & expenses for setting up of the said office(s) will be deemed to have been included in the Bill of Quantities and no separate/ extra/ additional payment will be made on this account.	We assume that measurement shall be paid in BOQ. After completion of work, same shall be handed over to NMRCL for their use.	Clause is self explanatory. Tender condition prevails
100	Important notes to Bidder - Sr. No. 5	Part-4, Financial Bid & Bill of Quantity	The rates for items to be executed under Schedule-"I" shall be as per schedule base rate of CPWD DSR of 2012 with latest amendments/ directives as issued by CPWD applicable for Nagpur region.	We assume that Price Variation is applicable on CPWD rates.	Please refer revised BOQ (Corrigendum V: Part-E)
101		C-Form	Contract includes huge quantity of steel and cement	We assume that NMRCL shall issue C form for purchase of steel.	C form shall not be issued by NMRCL.
102	Part-1 , Section III Evaluation & Qualification Criteria	Clauses 3.2 & 4.2		We want to request authority if in case lead member fulfills all evaluations & qualifications required to relax the condition of minimum percentage of 20% for any member participating iin the JV/Consortium so as to receive active participation from more bidders in the process.	Refer SN 16.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
103	Annexure III a	1	The Tenderer should have executed minimum one work of supply, installation, testing and commissioning of E&M works during the last seven years ending 30-04-2016 of Elevated Metro Station/Mass rapid transit system// Metro rail depot/Railway depot or workshop, etc. of Rs. 44.00 Cr.	Similar Works definition includes Construction of Metro Station/ Metro Depots/ Oil Depots/ Railway Workshops/ Airport/ Oil Refineries/ Industrial Unit. Hence, we request you to add Airports also in the definition of E&M works so as to modify the clause as, "The Tenderer should have executed minimum one work of supply, installation, testing and commissioning of E&M works during the last seven years ending 30-04-2016 of Elevated Metro Station/Mass rapid transit system// Metro rail depot/Railway depot or workshop/ Airport E&M works, etc. of Rs. 44.00 Cr".	Refer SN 16.
104	Section II Bid Data Sheet	Bid Data Sheet ITB 19.1	Bid Security is required in 2 parts a) INR 3.5 million as cash by RTGS/NEFT/ Credit Card as per procedure given in e-Tender portal b) INR 12.5 million in form of unconditioned guarantee issued by any Nationalized or Scheduled Commercial Bank of Indian origin	We request you to please allow total Bid Security value of INR 16 million to be submitted in form of Bank Guarantee. We request you to modify the Clause as " Bid Security of INR 16 million is to be submitted in form of unconditioned guarantee issued by any Nationalized or Scheduled Commercial Bank of Indian origin."	Please refer SN 82.
105	PartA Contract Data	14.2 (b)	The recovery of the Advance Payment shall be done in respective currencies and shall commence when 20% of the original contract value of the work has been paid in respective currencies (in addition to the Mobilization advance) and shall be recovered by deduction of 25% of the amount of each Interim Payment, until the total of the mobilization advance is recovered.	We request you to modify the clause as, " The recovery of the Advance Payment shall be done in respective currencies and shall commence when 20% of the original contract value of the work has been paid in respective currencies (in addition to the Mobilization advance) and shall be recovered by deduction of 15% of the amount of each Interim Payment, until the total of the mobilization advance is recovered."	Tender condition prevails.
106	-	-	-	Request you to provide Secured Advance on Non-perishable Materials as per CPWD GCC 2014, Clause 10B. i.e. The contractor, on signing an indenture in the form to be specified by the Engineer-in- Charge, shall be entitled to be paid during the progress of the execution of the work up to 90% of the assessed value of any materials which are in the opinion of the Engineer-in-Charge non-perishable, non-fragile and non-combustible.	Please refer Sr.no. 88

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
107	PartB PCC	1.5	The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence: (a) the Contract Agreement (if any), (b) the Letter of Acceptance, (c) the Particular Conditions – Part A, (d) the Particular Conditions – Part B (e) the General Conditions; and (f) the Specification, (g) the Drawings, (h) the Schedules and any other reference documents forming part of the Contract.	The Priority of Documents does not mention Bill of Quantities. Hence we request you to modify the clause as, " The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence: (a) the Contract Agreement (if any), (b) the Letter of Acceptance (c) the Bill of Quantities (d) the Particular Conditions – Part A, (e) the Particular Conditions – Part B (f) the General Conditions; and (g) the Specification, (h) the Drawings, (i) the Schedules and any other reference documents forming part of the Contract."	Refer to Corrigendum V:Part-B.
108	Part B PCC	4.2	The Contractor shall make his own arrangement of electricity, Water and gas or any other source of energy required at his own cost and arrangement/sources	We request you to provide us Construction Power at one point on chargeable basis at site. Distribution arrangement will be done by us. We presume that Bore well will be allowed inside the site, if the water supply for construction is not provided by clients.	Tender condition prevails.
109	Section VII A	Part 2-Work requirement Clause 2.1.3 (xxi)	The contractor has to get necessary permission/ NOC from the railway, road and other concerned regulatory authorities for block and working in such locations. NMRCL will assist for getting them permission from concerned regulatory authorities for working in such locations	We have considered construction related permits like labour license, Pollution Control Board Clearance for Batching Plant, Fire N.O.C., Lift Approvals and Occupancy Certificate in our scope of work. Please confirm	Clause is self explanatory. Tender condition prevails
110	Section VII A	Part 2-Work requirement Clause 2.1.6	Though Alignment plans (both vertical and horizontal) and obligatory pier locations are provided by the Employer to the Contractor. Utility identification at all the foundation locations will be done by the Contractor before starting piling/excavation and in case utility(s) is encountered or obligatory requirements of Local Authorities are to be met out, the Contractor would modify the span configuration at such locations to save the utility(s) or to meet out the obligatory requirements within the accepted price	We presume that this clause is not applicable for Depot project. However in case of Utility shifting / Dismantling/ or relocation; the contractor should be paid separately for such item. Please confirm.	Refer to Corrigendum V: Part-B.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
111	-	-	-	We presume that land for the temporary Infrastructure will be provided free of cost within the site premises for the following, 1. Batching Plant 2. Labour Colony 3. Site Office 4. Stores, Workshop, Material yard and other Amenities required for execution.	Tender condition prevails.
112	General	-	Tender Drawings are not provided.	Request you to provide the detailed Tender Drawings for proposed Depot.	This is a item based contract. Construction details shall be issued prior to construction at site.
113	General	-	-	Request you to provide building and floor wise Area Statement for all the work under the scope of Tender.	This is a item based contract. Construction details shall be issued prior to construction at site.
114	General	-	Bill of Quantities is given in pdf format	Request you to please provide the Bill of Quantities in Excel Format.	Not Agreed.
115	BOQ	-	Currently Formwork & Shuttering item is included in RCC & PCC items.	On study of BOQ it is observed that rates given for PCC & RCC works including Formwork and shuttering are very low compared to DSR rates. We understand that rates provided are only for concrete work excluding formwork and shuttering. Hence we request you to revise the rate for PCC & RCC items to include formwork & shuttering cost.	Please refer revised BOQ (Corrigendum V:Part-E)
116	BOQ	BOQ Schedule C, Sr No 8.1.ii)	For item no 8.1.ii) unit of measurement and Estimated rate not provided	Request you to provide the Unit of measurement and Estimated rate.	Please refer revised BOQ (Corrigendum V:Part-E)
117	BOQ	-	-	Please clarify if use of Fly Ash is permitted in Concrete Mix.	Please refer revised BOQ (Corrigendum V:Part-E)
118	General	-	-	Request you to provide Piling Layout and Pile length for Pile Works	This is a item based contract. Construction details shall be issued prior to construction at site.
119	General	-	-	Site Development forms a major part of Depot Projects. However on studying the BOQ it is observed that Earthwork quantities are low. Hence we presume that site will be handed over at formation level. Please clarify	Please refer revised BOQ (Corrigendum V:Part-E)
120	General	-	-	Request you to allow us to send the second set of queries at later stage after receipt of Tender Drawing & Area statement.	Cannot be acceded to.
121	-	-	CPVC pipe	Kindly provide us the approved make list	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
122	-	-	Valves	As per approved make list calls for Zotoisi its Zoloto make ? Kindly confirm	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B
123	-	-	Sintax tank	Kindly provide us the approved make list	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B
124	-	-	DI pipe & fittings	Kindly provide us the approved make list	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B
125	-	-	NP2 pipe	Kindly provide us the approved make list	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B
126	-	-	UPVC pipes	Kindly provide us the approved make list	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B
127	-	-	SS hinged grating & SS cockroach trap	Kindly provide us the approved make list	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B
128	-	-	Concrete Impregnated Fabric		Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B
129	-	-	stoneware pipes	Kindly provide us the approved make list	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B
130	-	-	electronic type level indicator	Kindly provide us the approved make list	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B
131	-	-	Water treatment plant	Kindly provide us the approved make list	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B
132	-	-	Effluent & Sewage treatment plant	Kindly provide us the approved make list	Other equivalent manufacturers may be considered with prior approval. Please refer Part 3 Annexure IX- B
133	-	-	DLP	Kindly confirm the DLP period	Please refer Part 3, section 9, part B, Specific provision, Sr.No.39.
134	GENERAL REQUIREMENTS	Clause no 1.1	The contractor shall carry out free maintenance of the works for a minimum DLP, as mentioned in GCC & SCC.	Comprehensive maintenance its required for DLP period ? Kindly confirm	Tender conditions prevail.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
135	-	Tender Documents- Part 2-Section V11 A General Specification (Clause 2.18 page 186) Tender Documents Part 3- Section IX Particular Condition (Clause 6 page 1048)	"Contractor will maintain all the systems in a comprehensive manner including all kinds of spares and consumables without any extra cost during Defect Liability period of 2 years from the date of taking over". "12 months from the date of Commercial Operations Date (COD) of Depot. During the Defects Liability Period the Contractor shall rectify/replace the defective works without claiming any cost for the defective works fulfill his obligations during the Defects Liability Period as laid down in GC and Works Requirements"	It is be Noted as per clause 6 of Particular Conditions , The DLP period is for a period of 12 Months form Date of Commercial operations while as per Clause 2.18 of E&M general specification, the contractor has perform a DLP for a period of 2 Yrs form taking Over. Request you the clarify on the DLP period for the Project and Scope of works of the contractor during DLP	Refer to Corrigendum V:Part-B.
136	-	-	-	Please provide the List Of approved for the following items as the same is not given as a part of tender document. 1) Air Washer/ Scrubber 2) Air Handling Units(fan section) 3) Closed cell Insulation 4) Expanded Polystyrene 5) Split Units 6) Dampers	Refer to Corrigendum V:Part -B.
137	-	Tender Documents- Particular specification HVAC (Clause 11.6.2- page 844	"Even while maintaining a minimum COP of 4±5% at outdoor ambient temperature of 43 degree Celsius and indoor condition of 23±1.5%.without derating."	Based on the Input from approved vendors, It is to be seen most of them are not able to comply to the Given Criterion on COP. To ensure Competitive Bidding, Request you to amend the same to suitable Values, that is Met By all the approved vendors	Please refer Corrigendum V: Part-E, revised BOQ. Scgedule-G(Sub Schedule-1)
138	-	Tender Documents- BOQ- Schedule G- (Sub Schedule- 3 HVAC (Clause 1,2)- Page 9	1) Civil works comprising of cement concrete foundation for outdoor units, floor mounted fans, air washers and electrical panel..... Lot -4 2)Minor civil works like opening for ducts, cables and piping's	The Quantity for associated Civil works (1, 2) is mentioned in Lot. Request you provide the quantities for Foundation in Cum and Openings for ducts/ Pipes in sqm for accurate estimation	Please refer Corrigendum V: Part-E, revised BOQ.
139	-	Tender Documents- BOQ- Schedule G-(Sub Schedule-1 HVAC(Clause 8)- Page 4	-	Please confirm the Total /External static Pressure for Air washer/ Scrubber	Please refer Corrigendum V: Part-E, revised BOQ. Scgedule-G(Sub Schedule-1)

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
140	-	Tender Documents-Particular specification HVAC (Clause 11.6.11-page (848. 849) (Clause 11.7.6-page (853), (Clause 11.7.7-page (854),	-	It is to be seen that Clause 11.6.11 mentions Ducts to be considered as per IS 277/ 655 standards while Clause 11.7.7 details on Duct material and Fabrication to be of SMACNA standards. We presume to proceed with ducts with TDF Joints as per SMACNA standards(GSM shall be 180 GSM as per Clause 11.7.6). Please confirm.	Please refer Corrigendum V: Part-E revised BOQ. Scgedule-G(Sub Schedule-2.1)
141	-	Tender Documents-BOQ- Schedule G-(Sub Schedule-2 HVAC(Clause 10)-Page 6	-	Clause 11.8.3 (page 862- 866)of HVAC specification Provides details of Multiple Materials for Insulation with varying thickness for Insulation application(Nitrile Rubber, EPS. Fiber Glass Etc.) Please confirm the material and Thickness to be considered for External Thermal Insulation of ducts.	Please refer Corrigendum V: Part -E revised BOQ.
142	-	S.No. 1 of Vendor list for Fire Fighting Systems of Annexure-IX-A	Inter Valves/ Lehary/ Kartar/ Zotoisi/ Sant	Kindly include Newage / Safeguard/ Shahbogilal in the list of approved makes	Refer Corrigendum V: Part-B.
143	-	S.No. 3 of Vendor list for Fire Fighting Systems of Annexure-IX-A	New Age Ind./ CRC / Jayshree	Kindly include Safeguard/ Shahbogilal in the list of approved makes	Refer Corrigendum V: Part-B.
144	-	S.No. 6 of Vendor list for Fire Fighting Systems of Annexure-IX-A	Minimax/ Safex	Kindly include Safeguard/ Kanex/Superex in the list of approved makes	Refer Corrigendum V: Part-B.
145	-	S.No. 7 of Vendor list for Fire Fighting Systems of Annexure-IX-A	Tyco/ Reliable/ Grinnell	Kindly include HD Fire in the list of approved makes	Refer Corrigendum V: Part-B.
146	-	S.No. 5 of Vendor list for Fire Fighting Systems of Annexure-IX-A	-	Kindly provide us the List of approved make for First aid Fire hose reels.	Refer Corrigendum V: Part-B.
147	-	S.No.2.1 of Sub Schedule -12 of Schedule F- Electrical Works of BOQ	I/O Rack, Rack Power Supply with DI, DO & AI Modules to meet the requirement of I/Os complete with fully wired panel.	Kindly provide us the BMS IO Summary	This is a item based contract. Details will be provided at the construction stage.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
148	-	Sub Schedule -10 of Schedule F- Electrical Works of BOQ	-	Kindly provide us the List of approved makes for Access Control System	Refer Corrigendum V: Part-B.
149	-	Sub Schedule -11 of Schedule F- Electrical Works of BOQ	-	Kindly provide us the List of approved makes for LAN System	Refer Corrigendum V: Part-B.
150	-	Sub Schedule -1 of Schedule H- Plant & Machinery of BOQ	-	Kindly provide us the List of approved makes for Cranes	Refer Corrigendum V: Part-B.
151	-	Sub Schedule -1 of Schedule H- Plant & Machinery of BOQ	-	Kindly provide us the List of approved makes for Compressor	Refer Corrigendum V: Part-B.
152	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)		BOQ is available in pdf format only. Request you to kindly provide the tender BOQ in "Excel" format for our working purpose	Cannot be acceded to.
153	-		Electrical Single line Schematic diagram	Electrical Single Line Schematic diagram (SLD) is not available with the tender documents Request you to kindly provide the same for our reference purpose.	This is a item based contract. Construction details shall be issued prior to construction at site.
154	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Scope of work	BOQ of following works are not available in the tender document 1. HT Panel 2. HT Cables & Termination 3. Transformers 4. Busducts & Rising Mains We presume that aforesaid works are not part of this contract. Please confirm.	It is confirmed that these items are not part of tender document

Name of Tender : Pre-bid Queries for "Construction of METRO Train Depot at MIHAN (North-South Corridor) & HINGNA (East-West Corridor) including Civil & E&M Works for Nagpur Metro Rail Project"

S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
155	–	1 GENERAL REQUIREMENTS	The Contractor shall arrange for all equipment and systems manufactured for incorporation into the Permanent Works to undergo a Factory Acceptance Test (FAT) before shipment from the place of manufacture. Inspections and tests that are to be witnessed by the Employer or the Engineer shall be sensibly grouped and scheduled so that as many inspections and tests as possible may be witnessed during a single visit.	List of items for which FAT is required before shipment are not specified in the tender document, Request you to kindly furnish the list of items for which FAT is required.	Clause is self explanatory.
156	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supplying all materials, storing, handling, fixing, laying wiring and testing for light, fan, exhaust fan and 6A Socket points etc starting from the point control box to the point, by using 2.5 sq.mm 1100V grade FRLSZH stranded copper conductor in concealed HMS PVC conduit pipe including 2mm thick GI boxes, fan regulator boxes, together with wiring accessories such as 6A moulded flush mounted modular switches, sockets in boxes of suitable sizes including circuit wiring with 2 x 2.5 sq.mm 1100V grade FRLSZH PVC insulated stranded copper conductor along with 1 run of 2.5 sq.mm PVC insulated (green colour) stranded earth wire complete with earthing of fixtures, sockets and boxes. PVC bushes for conduits ends, chrome plated brass screws, identification ferrules at either ends complete in all respects as per standard specifications. (Lights, fans and 6A socket outlets may be wired on a common circuit, and circuit shall not have more than 10 points of light, fans and 6A sockets or a load of 800W whichever is less)	Group general description for SI No 1.1.1, 1.1.2, 1.1.3 calls for HMS PVC concealed conduits whereas individual line items for SI No 1.1.1, 1.1.2 & 1.1.3 calls for both MS and PVC conduits. We presume that we can consider conduits as per individual BOQ line item description. Please confirm.	Please refer Corrigendum V: Part-E revised BOQ. Schedule F (Sub-Schedule-1)

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
157	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for switch controlled primary light points with 3 x 2.5 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (50 strands of 0.25 mm dia) copper conductor wires in IS embossed 25mm dia MS recessed and/or surface conduiting system including cost of wire, cost of providing saddles/ hangers etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting and including the cost of supplying and fixing modular grid plate mounted flush mounted 240V, 6A control switch of approved quality & colour housed in zinc chromate passivated MS boxes with moulded cover plate and including cost of circuit wiring (from DB to first switch in the sub circuit) complete as per specifications and as required.	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
158	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for DB controlled primary light points with 3 x 2.5 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100 volt grade flexible stranded (50 strands of 0.25 mm dia) copper conductor wires in HMS PVC conduit pipe in 25mm including cost of wire, 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 (cost of MCB not included)	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
159	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for Secondary light points with 3 x 2.5 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (50 strands of 0.25 mm dia) copper conductor wires in IS embossed 25mm dia HMS PVC conduit pipe including cost of wire, 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.	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
160	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	wiring for ceiling fan points with 3 x 2.5 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100 volt grade flexible stranded (50 strands of 0.25 mm dia) copper conductor wires in IS embossed 25mm dia HMS PVC conduit pipe including cost of wire, cost of providing saddles/hanger etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting and including the cost of supplying and fixing modular grid plate mounted flush mounted 240V, 6A control switch and 240V, 300W, 5 Step electronic speed regulator of approved quality & colour housed in zinc chromate passivated MS boxes with moulded cover plate and with inter connections complete as per specifications and as required	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
161	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for exhaust fan points with 3 x 2.5 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (50 strands of 0.25 mm dia) copper conductor wires in IS embossed 25mm dia HMS PVC conduit pipe including cost of wire, cost of providing saddles/hanger etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting and including the cost of supplying and fixing modular grid plate mounted flush mounted 240V, 6A control switch and including cost of supplying and fixing 240V, 6A socket outlet near exhaust fan of approved quality & colour housed in zinc chromate passivated MS boxes with moulded cover plate and with inter connections complete as per specifications and as required	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
162	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for 6A socket outlets with 3 x 2.5 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (50 strands of 0.25 mm dia) copper conductor wires in IS embossed 25 mm dia MS recessed and/or surface conduiting system including the cost of wire, the cost of providing saddles/hangers etc as required and including the cost of cutting/making good chases in brick work and including the cost of supplying and fixing modular grid plate mounted 240V,6A, 5 pin combined shuttered socket outlets along with 240V, 6A control switch of approved quality and colour housed in zinc chromate passivated MS boxes with moulded cover plate and interconnections and including the cost of loop earthing with 2.5 sq. mm FRLSZH PVC insulated 660/1100V grade stranded copper conductor wires complete as per specifications and as required.	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
163	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for 16A socket outlets (1 outlet wired on 1 circuit) with 3 x 4 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (56 strands of 0.3 mm dia) copper conductor wires in IS embossed 25 mm dia HMS PVC conduit pipe including the cost of wire, cost of providing saddles/hangers etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting and including the cost of supplying and fixing modular grid plate mounted 240V, 16A, 3 pin combined shuttered socket outlets along with 240V, 16A control switch of approved quality and colour housed in zinc chromate passivated MS boxes with moulded cover plate with interconnections complete as per specification and as required.	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
164	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring of 16 amp socket outlets (2 outlets wired in one sub circuit) with 3 x 4 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100 volt grade flexible stranded (56 strands of 0.3 mm dia) copper conductor wires in IS embossed 25 mm dia HMS PVC conduit pipe including the cost of providing saddles/hangers etc. as required and including the cost of cutting/making good chases in brick work anc including the cost of supplying and fixing modular grid plate mounted 240 volt 16 amp 6 pin combined shuttered socket outlets along with 240 volt 16 amp control switch of approved quality and colour housed in zinc chromate passivated MS boxes with interconnections complete as per specifications and as required, (two switched socket outlets shall be connected to one circuit. Both the outlets shall be measured and counted as 1 units)	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
165	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for 20 amp single phase socket outlets with 3 x 6 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100 volt grade flexible stranded (84 strands of 0 3 mm dia) copper conductor wires in IS embossed 25 mm disHMS PVC conduit pipe including the cost of wire, cost of providing saddles/hangers etc. as required and including the cost of cutting/ making good chases in brick work and including the cost of supplying and fixing 20 amp 10 kA "C" DP MCB and including 240 volt 3 pin 20 amp industrial metal clad socket outlet with interconnections in 16 SWG powder coated MS box and including the cost of 3 pin 240 volts plug top complete as per specifications and as required.	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
166	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for 3 phase 20 amp socket outlets with 6 x 4.0 sq. mm stranded copper conductor FRLSZH PVC insulated 1100 volt grade wires (3P+N+2E) 660/1100 volt grade flexible stranded (56 strands of 0.3 mm dia) copper conductor wires in IS embossed 50 mm dia HMS PVC conduit pipe including the cost of wire, cost of providing saddles/hangers etc. as ifequire and including the cost of cutting/ making good chases in brick work and including the cost of supplying and fixing industrial type 20 amp 10kA "C" 4P MCB and 415 volt 20 amp industrial metal clad socket outlet in 16 SWG powder coated MS box with interconnections and including the cost of #15 volts 20 amp 4P plug top complete as per specifications and as required	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
167	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for 3 phase 32 amp socket outlets with 6 x 6.0 sq. mm stranded copper conductor FRLSZH PVC insulated 1100 volt grade wires (3P+N+2E) 660/1100 volt grade flexible stranded (84 strands of 0.3 mrr dia) copper, conductor wires in IS embossed 50 mm dia HMS PVC conduit pipe including the cost of wire, cost of providing saddles/hangers etc. as required and inducing the cost of cutting/ making good chases in brick work and including trie cost of supplying and fixing industrial type 32 amp 10 kA "C" 4P MCB and 415 volt 32 amp industrial metal clad socket outlet in 16 SWG powder coated MS box with interconnections and including the cost of 415 volts 40 amp 4P plug top complete as per specifications and as required..	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
168	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for 3 phase 63 amp socket outlets with 6 x 16.0 sq. mrr stranded copper conductor FRLSZH PVC insulated 1100 volt grade wires (3P+N+2E) 660/1100 volt grade flexible stranded copper conductor wires in IS embossed 50 mm dia HMS PVC conduit pipe including the cost of providing saddtesmangers etc. as required anc including the cost of wire, cost of cutting/ making good chases in brick work anc including the cost of supplying and fixing industrial type 63 amp 10 kA "C 4P MCR and 41S vnlit fvt amp industrial metal nlari RnnkRt nutlet in 16 RWT powder coated MS box with Interconnections and including the cost of 415 volts 63 amp 4P plug top complete as per specifications and as required..	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
169	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for weather proof 16 amp outlets with 3 X 4 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (56 strands ol 0.3 mm dia) copper conductor wires in IS embossed 25 mm diaHMS PVC conduit pipe including the cost of wire, cost of providing saddles/hangers etc. as required and including the cost of cutting/making good chases in brick work and including the cost of providing and fixing 2P, 16A switch with 16A, 240V socket outlet and plug top mounted and including a IP 56 rated surface/recessed box with the total unit having IP 56 ingress protection complete as required	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
170	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for weather proof 32 amp outlets with 3 x 6 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100 volt grade flexible stranded (84 strands ol 0.3 mm dia) copper conductor wires in IS embossed 32 mm dia HMS PVC conduit pipe including the cost of wire, cost of providing saddles/hangers etc. as required and including the cost of cutting/making good chases in brick work and including the cost of providing and fixing 2 pole 32 amp switch with 32 amp 240 volts socket outlet and plug top mounted and including a IP 56 rated surface/recessed box with the total lunit having IP 56 ingress protection complete as required.	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
171	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for weatherproof 3 phase 32 amp socket outlets with 6 x 6.0 sq. mm stranded copper conductor. FRLSZH PVC insulated 1100 volt grade wires (3P+N+2E) 660/1100 volt grade flexible stranded (56 strands of 0.3 mm dia) copper conductor wires in IS embossed 50 mm dia GI recessed and/or surface conduiting system including the cost of wire, cost of providing saddles/hangers etc. as require and including the cost of cutting/ making good chases in brick work and including the cost of supplying and fixing 4 pole 32 amp switch with 32 amp 240 volts socket outlet and plug top mounted and including a IP 56 rated surface/recessed box with the total unit having IP 56 ingress protection complete as required	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
172	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for 24V socket outlets (for Inspection pit) with 3 x 2.5 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (50 strands of 0.25 mm dia) copper conductor wires in IS embossed 25 mm diaHMS PVC conduit pipe including the cost of providing saddles/hangers etc as required and including the cost of wire, cost of cutting/making good chases in brick work and including the cost of supplying and fixing modular grid plate mounted 240V, 6A, 5 pin combined shuttered socket outlets along with 240V, 6A control switch of approved quality and colour housed in zinc chromate passivated MS boxes with moulded cover plate and interconnections and including the cost of loop earthing with 2.5 sq. mm FRLSZH PVC insulated 660/1100V grade stranded copper conductor wires complete as per specifications and as required	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
173	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for switch controlled primary light points with 3 x 2.5 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (50 strands of 0.25 mm	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
174	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for Four/three 400W highbay / 250W high/medium bay light fixtures, DB controlled primary light points with 3 x 4.0 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (56 strands of 0.3 mm dia) copper conductor wires in IS embossed 32mm dia HMS PVC conduit pipe including cost of wire, 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 (cost of MCB not included)	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
175	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for DB controlled primary light points with 3 x 2.5 sq. mrr (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (50 strands of 0.25 mm dia) copper conductor wires in IS embossed 25mm dia HMS PVC conduit pipe including cost of wire, 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 (cost of MCB not included)	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
176	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Secondary light points for Four/three 400W highbay / 250W high/medium bay light fixtures with 3 x 4.0 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (56 strands of 0.3 mm dia) copper conductor wires in IS embossed 32mm diaHMS PVC conduit pipe including cost of wire, cost of providing saddles/hanger etc for surface conduiting and/or cost of cutting and filling chases for recesses conduiting complete as per specifications and as required.	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
177	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for Secondary light points with 3 x 2.5 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (50 strands of 0.25 mm dia) copper conductor wires in IS embossed 25mm dia HMS PVC conduit pipe including cost of wire, 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	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
178	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supplying all the material, storing, laying, testing and commissioning and including wiring for the following light points with 2x6+1x2.5/2x4 + 1 x 2.5 sq.mrn FRLSZH PVC insulated copper conductor 1100volts grade stranded wires in surface mounted 25/32 mm dia HMS PVC conduit pipe including cost of circuit wiring from distribution board but controlled by SP MCBs in OB (Cost of MCB not to be included here) Four 15A3pin socket outlets in 2mm thick MS enclosure controlled by one 16A SP MCB in DB for air circulators and wiring with 2 x 6 + 1 x 2.5 Sqmm upto second point and 2 x 4 +1 x 2.5 Sqmm for rest of the sockets	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
179	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for 6 amp socket outlets with 3 x 2.5 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100 volt grade flexible stranded (50 strands of 0.25 mm dia) copper conductor wires in IS embossed 25 mm dia MS recessed and/or surface conduiting system including the cost of wire, cost of providing saddles/hangers etc as required and including the cost of cutting/making good chases in brick work and including the cost of supplying and fixing modular grid plate mounted 240 volt 6 amp 5 pin combined shuttered socket outlets along with 240 volt 6 amp control switch of approved quality and colour housed in zinc chromate passivated MS boxes with moulded cover plate and interconnections and including the cost of loop earthing with 2.5 sq. mm FRLSZH PVC Insulated 660/1100 volt grade stranded copper conductor wires complete as per specifications and as required.	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
180	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for 16A socket outlets (1 outlet wired on 1 circuit) with 3 x 4 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (56 strands of 0.3 mm dia) copper conductor wires in IS embossed 25 mm diaHMS PVC conduit pipe including cost of wire, cost of providing saddles/hangers etc for surface conduiting and/or cost of cutting and filling chases for recessed conduiting and Including the cost of supplying and fixing modular grid plate mounted 240V, 16A, 3 pin combined shuttered socket outlets along with 240V, 16A control switch of approved quality and colour housed in zinc chromate passivated MS boxes with moulded cover plate with interconnections complete as per specifications and as required	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
181	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring of 16A socket outlets (2 outlets wired in one sub circuit) with 3 x 4 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (56 strands of 0.3 mm dia) copper conductor wires in IS embossed 25 mm dia HMS PVC conduit pipe including the cost of wire, cost of providing saddles/hangers etc. as required and including the cost of cutting/making good chases in brick work and including the cost of supplying and fixing modular grid plate mounted 240V, 16A, 6 pin combined shuttered socket outlets along with 240V, 16A control switch of approved quality and colour housed in zinc chromate passivated MS boxes with interconnections complete as per specifications and as required. (2 switched socket outlets shall be connected to one circuit. Both the outlets shall be measured and counted as 1 units)	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
182	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for 20A single phase socket outlets with 3 x 6 sq. mm (P+N+E) FRLSZH PVC insulated 660/1100V grade flexible stranded (84 strands of 0.3 mm dia) copper conductor wires in IS embossed 25 mm dia HMS PVC conduit pipe including the cost of wire, cost of providing saddles/hangers etc. as required and including the cost of cutting/ making good chases in brick work and including the cost of supplying and fixing 20A, 10 kA "C" DP MCB and including 240V, 3 pin 20A industrial metal clad socket outlet with interconnections in 16 SWG powder coated MS box and including the cost of 3 pin 240V plug top complete as per specifications and as required.	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
183	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for 3 phase 20A socket outlets with 6 x 4.0 sq. mm stranded copper conductor FRLSZH PVC insulated 1100V grade wires (3P+N+2E) 660/1100V grade flexible stranded (56 strands of 0.3 mm dia) copper conductor wires in IS embossed 50 mm dia HMS PVC conduit pipe including the cost of wire, cost of providing saddles/hangers etc. as require and including the cost of cutting/ making good chases in brick work and including the cost of supplying and fixing industrial type 20A,10kA "C" 4P MCB and 415V, 20A industrial metal clad socket outlet in 16 SWG powder coated MS box with inter connections and including the cost of 415V, 20A, 4P plug top complete as per specifications and as required..	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
184	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for 3 phase 32A socket outlets with 6 x 6.0 sq. mm stranded copper conductor FRLSZH PVC insulated 1100V grade wires (3P+N+2E) 660/1100V grade flexible stranded (84 strands of 0.3 mm dia) copper conductor wires in IS embossed 50 mm dia MS Recessed and/or surface conduiting system including the cost of providing saddles/hangers etc. as required and including the cost of wire, cost of cutting/ making good chases in brick work and including the cost of supplying and fixing industrial type 32A, 10 kA "C" 4P MCB and 415V, 32A industrial metal clad socket outlet in 16 SWG powder coated MS box with interconnections and including the cost of 415V, 32A, 4P plug top complete as per specifications and as required	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
185	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Point wiring for 3 phase 63A socket outlets with 6 x 16.0 sq. mm stranded copper conductor FRLSZH PVC insulated 1100V grade wires (3P+N+2E) 660/1100V grade flexible stranded copper conductor wires in IS embossed 50 mm diaHMS PVC conduit pipe including the cost of wire, cost of providing saddles/hangers etc. as required and including the cost of cutting/making good chases in brick work and including the cost of supplying and fixing industrial type 63A 10 kA "C" 4P MCB and 415V, 63A industrial metal clad socket outlet in 16 SWG powder coated MS box with inter connections and including the cost of 415V, 63A, 4P plug top complete as per specifications and as required.	Request you to kindly specify the average length to be considered for this line item.	Refer to SN 43.
186	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Design, fabrication, assembling, wiring, supply, installation, testing and commissioning of Main LT panel/Main distribution panels/sub- distribution panels	Furnished unit rates for Main LT panel / Main distribution panels/sub- distribution panels with copper busbars are very less compared to market rates. Request you to kindly amend the rates furnished for LT panels and Distribution boards.	Tender condition prevails.
187	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	a) 1-25 amp DP 10 kA MCB with thermal magnetic protective releases incoming 1-25 amp DP 30mA ELCB incoming and 6 nos 10/16 amps SP 10 kA MCB with thermal magnetic protective releases out goings - Estimated Rate (Rs.) = 1924.00	Furnished unit rate for 6Way SPN DB is very less compared to market rate and other similar items in the BOQ Request you to kindly amend the rates	Refer to Corrigendum V:Part-E Revised BOQ.
188	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply and installation of following hume pipe under paved areas including necessary excavation & backfilling	Request you to kindly confirm NP rating of the hume pipe to be considered for this line item.	Refer to Corrigendum V:Part-E Revised BOQ.
189	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply and installation of following heavy/medium grade GI pipes for cables crossing the rail tracks with all bendings complete as required	Request you to kindly confirm Medium / Heady duty GI pipe to be considered for this line item.	Tender condition prevails.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
190	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply and fixing of pregalvanized factory fabricated GI perforated 2.0 mm thick cable trays in following sizes as per drawing including having suitable size rods/supporting brackets, clamps, hardware, suspenders complete with painting and welding to reinforcement for support. Each cable tray shall be earthed at both ends properly.	We presume that site fabricated accessories like bends, Tees, Cross over etc are accepted for this line item. Please confirm.	Tender condition prevails.
191	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply and fixing of sheet steel perforated 2.0 mm thick cable trays in following sizes as per drawing including having suitable size rods/supporting brackets. clamps, hardware, suspenders complete with pointing and welding to reinforcement for support. Cable trays shall be provided with 1 No. 25 x 6 mm copper continuous earthing strip all along the length	We presume that site fabricated accessories like bends, Tees, Cross over etc are accepted for this line item. Please confirm.	Tender condition prevails.
192	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply and fixing pregalvanized factory fabricated GI ladder type cable trays with radial bends, supports of the following sizes as per specifications	We presume that site fabricated accessories like bends, Tees, Cross over etc are accepted for this line item. Please confirm.	Tender condition prevails.
193	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply and fixing of pregalvanized factory fabricated GI perforated 2.0 mm thick cable trays in following sizes as per drawing including having suitable size rods/supporting brackets, clamps, hardware, suspenders complete with painting and welding to reinforcement for support. Each cable tray shall be earthed at both ends properly. Also, Sr No 1.9 calls for CABLE TRAY SUPPORTS	Separate line item (SI No 1.9) for cable tray supports are specified in the tender BOQ. Hence we presume that cost of cable tray support need not to be considered in this line item. Please confirm	Refer to Corrigendum V:Part-E BOQ
194	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply and fixing of sheet steel perforated 2.0 mm thick cable trays in following sizes as per drawing including having suitable size rods/supporting brackets. clamps, hardware, suspenders complete with pointing and welding to reinforcement for support. Cable trays shall be provided with 1 No. 25 x 6 mm copper continuous earthing strip all along the length Also, SI No 1.9 calls for CABLE TRAY SUPPORTS	Separate line item (SI No 1.9) for cable tray supports are specified in the tender BOQ. Hence we presume that cost of cable tray support need not to be considered in this line item. Please confirm	Refer to Corrigendum V:Part-E BOQ
195	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply and fixing pregalvanized factory fabricated GI ladder type cable trays with radial bends, supports of the following sizes as per specifications Also, SI No 1.9 calls for CABLE TRAY SUPPORTS	Separate line item (SI No 1.9) for cable tray supports are specified in the tender BOQ. Hence we presume that cost of cable tray support need not to be considered in this line item. Please confirm	Refer to Corrigendum V:Part-E BOQ

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
196	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Providing and laying of factory fabricated GI raceways made with 1.6	<p>Separate line item to furnish the cost of GI raceway accessories like junction boxes, access boxes etc. are not available in the tender BOQ.</p> <p>But the furnished unit rates are only for raceway the straight lengths without any accessories.</p> <p>Hence we presume that accessories are not part of this line item.</p> <p>Please confirm.</p>	Clause is self explanatory.
197	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	<p>Supply, installation, testing and commissioning of LED 2x2 recessed fixture, with system lumen output of 3700 lumens at a system power of 40W. The luminaire shall have powder coated CRCA housing and light output with diffusion optics similar to Philips RC240B LED37- 5000 PSE OD-WH or Surya Cat No.: SLE MDR 40 22 or equivalent approved make</p> <p>Approved makes for light fixtures are, Philips, Wipro, GE, Surya</p>	<p>Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.</p>	Refer Corrigendum V:Part-B.

Name of Tender : Pre-bid Queries for "Construction of METRO Train Depot at MIHAN (North-South Corridor) & HINGNA (East-West Corridor) including Civil & E&M Works for Nagpur Metro Rail Project"

S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
198	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	<p>Supply, installation, testing and commissioning of surface mounted LED Batten, with a system lumen output of 2000 lumens and a minimum system efficacy of 100 lumen/watt. The luminaire shall have a CRI of greater than 80 with rated system lifetime of 50,000 hours at L70, driver THD <10%. The luminaire is made of CRCA housing and shall have diffused optics similar to Philips Endura LED Batten or equivalent in Surya make</p> <p>Approved makes for light fixtures are, Philips, Wipro, GE, Surya</p>	<p>Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.</p>	<p>Refer Corrigendum V:Part-B.</p>

Name of Tender : Pre-bid Queries for "Construction of METRO Train Depot at MIHAN (North-South Corridor) & HINGNA (East-West Corridor) including Civil & E&M Works for Nagpur Metro Rail Project"

S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
199	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	<p>Supply, installation, testing and commissioning of surface mounted LED Batten, with a system lumen output of 4000 lumens and a minimum system efficacy of 100 lumen/watt. The luminaire shall have a CRI of greater than 80 with rated system lifetime of 50,000 hours at L70, driver THD<10%. The luminaire is made of CRCA housing and shall have diffused optics similar to Philips Endura LED Batten or equivalent in Surya make</p> <p>Approved makes for light fixtures are, Philips, Wipro, GE, Surya</p>	<p>Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.</p>	<p>Refer Corrigendum V:Part-B</p>

Name of Tender : Pre-bid Queries for "Construction of METRO Train Depot at MIHAN (North-South Corridor) & HINGNA (East-West Corridor) including Civil & E&M Works for Nagpur Metro Rail Project"

S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
200	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	<p>Supply, installation, testing and commissioning of LED Linear 1x4 recessed fixture, with a system lumen output of 3000 lumens. The luminaire shall have powder coated CRCA housing and light output is by means of Semi High Gloss optics with 3D Lamellea and High Purity Anodized Aluminium mirrors similar to RC869 B W30 L120 LED or equivalent in Surya make</p> <p>Approved makes for light fixtures are, Philips, Wipro, GE, Surya</p>	<p>Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.</p>	Refer Corrigendum V:Part-B.

Name of Tender : Pre-bid Queries for "Construction of METRO Train Depot at MIHAN (North-South Corridor) & HINGNA (East-West Corridor) including Civil & E&M Works for Nagpur Metro Rail Project"

S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
201	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	<p>Supply, installation, testing and commissioning of LED suspended fixture, with system lumen output of 4400 lumens (approximate 1100 lumens downwards) at a system efficacy of 80 lumen/W. The luminaire shall have powder coated extruded housing with diffusion optics, CRI>80, DALI dimmable driver similar to Philips SP790P LED44S-5000 PSD or equivalent in Surya make</p> <p>Approved makes for light fixtures are, Philips, Wipro, GE, Surya</p>	<p>Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.</p>	<p>Refer Corrigendum V:Part-B.</p>

Name of Tender : Pre-bid Queries for "Construction of METRO Train Depot at MIHAN (North-South Corridor) & HINGNA (East-West Corridor) including Civil & E&M Works for Nagpur Metro Rail Project"

S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
202	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	<p>Supply, installation, testing and commissioning of LED surface mounted down lighter with a system lumen output of 900 lumens with a CRI at least 80 with system efficacy of 85 lumen/watt, depth of product should be not more than 80 mm similar to Philips SM518 C or Surya Cat No.: SLE DS 20 11S or equivalent approved make</p> <p>Approved makes for light fixtures are, Philips, Wipro, GE, Surya</p>	<p>Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.</p>	<p>Refer Corrigendum V:Part-B.</p>

Name of Tender : Pre-bid Queries for "Construction of METRO Train Depot at MIHAN (North-South Corridor) & HINGNA (East-West Corridor) including Civil & E&M Works for Nagpur Metro Rail Project"

S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
203	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	<p>Supply, installation, testing and commissioning of LED Down lighter with a system lumen output of 2100 lumens and a minimum system efficacy of 85 lm/W. The luminaire shall have a CRI greater than 80 with rated system lifetime of 50,000 hours at L70. The luminaire optics shall have a high efficiency diffuser with more than 85% transmittance. Height of luminaire shall not be more than 60 mm similar to Philips DN395B LED21S-6500 PSU WH or Surya Cat No.: SLE DLR 24 M or equivalent approved make</p> <p>Approved makes for light fixtures are, Philips, Wipro, GE, Surya</p>	<p>Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.</p>	Refer Corrigendum V:Part-B.
204	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	<p>Supply, installation, testing and commissioning of LED wall mount with a system lumen output of 200 lumens and shall have IP 65, IK 08 ratings. The luminaire shall have a CRI of greater than 70 with rated system lifetime of 25000 hours at L70. The luminaire shall be surface mounted with depth less than 75mm and diameter of not more than 250mm. Translucent diffuse, opal shall serve as optical cover for luminaire similar to Philips BWS150 or equivalent in Surya make</p> <p>Approved makes for light fixtures are, Philips, Wipro, GE, Surya</p>	<p>Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.</p>	Refer Corrigendum V:Part-B.

Name of Tender : Pre-bid Queries for "Construction of METRO Train Depot at MIHAN (North-South Corridor) & HINGNA (East-West Corridor) including Civil & E&M Works for Nagpur Metro Rail Project"

S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
205	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply, installation, testing and commissioning of surface mounted LED Batten with a system lumen output of 3500 lumens and a system efficacy of 90 lumen/watt. The luminaire shall be IP65 rated and shall have a CRI greater than 80 with rated system lifetime of 50,000 hours at L70. The housing and cover is made of polycarbonate or Surya Cat No: SLE WPL 36W or equivalent approved make Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
206	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply, installation, testing and commissioning of LED surface mounted luminaire with a system lumen output of at least 1600 lumens. The Luminaire shall be IP66, IK10 rated and shall have a life of 50,000 hours at L70 with a system efficacy of 95 lumen/watt. The luminaire shall have a high efficiency glass cover and LM6 PDC housing similar to Philips BWP120 LED 16 FG PSU or equivalent in Surya make Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
207	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply of LED highbay fixture having system lumen output of >15000 lumens at a system power of 165W. Fixture shall be made from PDC aluminium housing and dedicated lens optics to ensure IP65 protection, discrete high power LED, THD < 10% internal surge protection of 5KV, Similar to Philips Cat No.:BY415P LED145S CW WB FG PSU GR or Surya Cat No.: SLE MHB 165W or equivalent approved make Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
208	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply of LED highbay fixture having system lumen output of >14000 lumens at a system power of 150W. Fixture shall be made from PDC aluminium housing and dedicated les optics to ensure IP65 protection, discrete high power LED, THD < 10% internal surge protection of 5KV, Similar to Philips Cat No.:BY415P LED145S CW WB FG PSU GR or Surya Cat No.: SLE MHB 150 or equivalent approved make Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
209	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply of LED Midbay fixture having system lumen output of >8000 lumens at a system power of 90W. Fixture shall be made from PDC aluminium housing and dedicated les optics to ensure IP65 protection, discrete high power LED, THD < 10% internal surge protection of 5KV, Similar to Philips Cat No.:BY415P LED80S CW WB FG PSU GR or Surya Cat No.: SLE MMB 90W or equivalent approved make Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
210	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply of LED Midbay fixture having system lumen output of >8000 lumens at a system power of 90W. Fixture shall be made from PDC aluminium housing and dedicated les optics to ensure IP65 protection, discrete high power LED, THD < 10% internal surge protection of 5KV, Similar to Philips Cat No.:BY415P LED80S CW WB FG PSU GR or Surya Cat No.: SLE MMB 90W or equivalent approved make Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.

Name of Tender : Pre-bid Queries for "Construction of METRO Train Depot at MIHAN (North-South Corridor) & HINGNA (East-West Corridor) including Civil & E&M Works for Nagpur Metro Rail Project"

S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
211	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	LED Street light fixture with IP66 protected high pressure aluminum die cast housing capable of delivering a nominal system lumen output of 12000 lumens with a minimum system efficacy of 100 lumen/watt and a CRI greater than 70. The luminaire shall have a life class of 50,000 hours @ L70 Philips cat ref:BRP322 LED 122 CW HE MR PC S3 XT or Surya Cat No.:SLE UL 120W IP66 PLX or equivalent approved make Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
212	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	LED Street light luminaire made up of LM6 high pressure die cast aluminum delivering a system light output of 9000 lumens with a luminous efficacy of at least 95 lumen/Watt and shall be IP65 rated with life of 50,000 hours @ L70 Philips cat ref:BRP322 LED 90 CW HE MR PC S3 XT or Surya Cat No.:SLE UL 90W IP66 PLX or equivalent approved make Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
213	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	LED Flood light fixture with IP65 protected high pressure aluminum die cast housing capable of delivering a nominal system lumen output of >22000 lumens with minimum system efficacy of >90 lumen/watt and a CRI greater than 70. The luminaire shall have a life class of 50,000 hours @ L70 Philips cat ref:BVP410 LED 210 CW HE NB FG S3 XT or Surya Cat No.:SLE FL-M 250W IP65 or equivalent approved make Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
214	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	LED Flood light fixture with IP65 protected high pressure aluminum die cast housing capable of delivering a nominal system lumen output of >22000 lumens with minimum system efficacy of >90 lumen/watt and a CRI greater than 70. The luminaire shall have a life class of 50,000 hours @ L70 Philips cat ref:BVP410 LED 210 CW HE NB FG S3 XT or Surya Cat No.:SLE FL-M 250W IP65 or equivalent approved make Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
215	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	LED Flood light fixture with IP65 protected high pressure aluminum die cast housing capable of delivering a nominal system lumen output of >36000 lumens with minimum system efficacy of >90 lumen/watt and a CRI greater than 70. The luminaire shall have a life class of 50,000 hours @ L70 Philips cat ref:BVP410 LED 360 CW HE NB FG S3 XT or Surya Cat No.:SLE FL-M 400W IP65 or equivalent approved make Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
216	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	LED PostTop light fixture with IP65 protected high pressure aluminum die cast housing capable of delivering a nominal system lumen output of >2400 lumens with minimum system efficacy of >80 lumen/watt and a CRI greater than 70. The luminaire shall have a life class of 50,000 hours @ L70 Philips cat ref:BCP151 or Surya Cat No.: SLE PT-M 30 or equivalent approved make Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
217	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Flood light fitting of Philips type RVP 301/2 x 400W or similar approved make with High pressure sodium vapour lamps complete with appropriate control gear unit to be mounted on shed structure Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
218	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Street lighting luminaire of Philips type TRC-33/236 D6 or equivalent as per approved list with fluorescent lamp and electronic ballast mounted on existing 40mm dia heavy duty GI pipe complete as required Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
219	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Underwater luminaire of Philips type LED 12W or equivalent as per approved list complete with all appropriate control gear unit required for fixing Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
220	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply, installation, testing and commissioning of LED 2x2 recessed fixture, with system lumen output of 2800 lumens, 40W. The luminaire shall have powder coated CRCA housing and light output is by means of Semi High Gloss optics with 3D Lamellea and High Purity Anodized Aluminium mirror similar to Philips RC869 B W60 L60 LED or Surya Cat No.: SLE MDR 40 22 or equivalent approved make Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
221	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	<p>Supply, installation, testing and commissioning of LED 2'x2' recessed fixture, with system lumen output of 3400 lumens at a system efficacy of 100 lumen/W. The luminaire shall have powder coated CRCA housing and light output with diffusion optics, CRI>80, DALI dimmable driver and built in sensor on the luminaire for use in cabins/conference room, UGR<19 compliant, similar to Philips RC460B G2 IN LED34S/840 PSD W60L60 VPC ACL PIP or Surya Cat No.: SLE MDR 40 22 or equivalent approved make</p> <p>Approved makes for light fixtures are, Philips, Wipro, GE, Surya</p>	<p>Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.</p>	Refer Corrigendum V:Part-B.
222	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	<p>Supply of rigid frame LED cove lighting system operating on 24V DC including external power supply & leader/jumper cable. The cove lighting shall be available in 1ft and 4ft length with height not more than 25 mm and width less than 35 mm. The luminaire shall be available in CRI of at least 80, system efficacy >55 lumen/Watt, CCT of 3000K, 4000K. The housing shall be made from extruded polycarbonate and the luminaire shall be compatible with 0-10V or 1- 10V dimming similar to Philips Vaya cove or equivalent in surya make.</p> <p>Approved makes for light fixtures are, Philips, Wipro, GE, Surya</p>	<p>Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.</p>	Refer Corrigendum V:Part-B.
223	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	<p>Supply, installation, testing and commissioning of LED 1'x4' recessed fixture, with system lumen output of 3400 lumens at a system efficacy of 100 lumen/W. The luminaire shall have powder coated CRCA housing and light output with diffusion optics, CRI>80, DALI dimmable driver and built in sensor on the luminaire for use in cabins, cubicles & conference room, UGR<19 compliant, similar to Philips RC460B G2 IN LED34S/840 PSD W30L120 VPC ACL PIP or equivalent in surya make</p> <p>Approved makes for light fixtures are, Philips, Wipro, GE, Surya</p>	<p>Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.</p>	Refer Corrigendum V:Part-B.

Name of Tender : Pre-bid Queries for "Construction of METRO Train Depot at MIHAN (North-South Corridor) & HINGNA (East-West Corridor) including Civil & E&M Works for Nagpur Metro Rail Project"

S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
224	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply, installation, testing and commissioning of LED Down lighter with a system lumen output of 1200 lumens and a minimum system efficacy of 85 lm/W. The luminaire shall have a CRI greater than 80 with rated system lifetime of 50,000 hours at L70. The luminaire optics shall have a high efficiency diffuser with more than 85% transmittance. Height of luminaire shall not be more than 60 mm similar to Philips DN393B LED12S-6500 PSU WH or equivalent in surya make. Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
225	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Outdoor IP65, IK10 LED bollard of 0.8M height extrusion housing and polycarbonate diffuser. The light emitted shall have a CRI>75, CCT of 4000K, nominal system power of 8W, life class of 25,000 hours at L70 similar to Philips BCP 151 or equivalent in surya make. Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
226	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Ceiling fan 1200 mm sweep with Electronic regulator complete with all accessories required. Approved makes for ceiling fans are Crompton Greaves, Orient, Khaitan , Surya	Aesthetic view of fan will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
227	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Ceiling fan 1400 mm sweep with Electronic regulator complete with all accessories required. Approved makes for ceiling fans are Crompton Greaves, Orient, Khaitan , Surya	Aesthetic view of fan will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
228	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	36" Air Circulator Fans, 230 to 240 volts, 1 phase, 50 Hz complete with stand, ground, regulator, pedestal as required Approved makes for circulator fans Crompton Greaves, Orient, Khaitan, Almonard, Surya	Aesthetic view of fan will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
229	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Wall mounting type cabin fan, 600 mm dia , 1 phase 230V complete with guard screen and with built in low medium and high speed regulating push button Approved makes for cabin fans Crompton Greaves, Orient, Khaitan, Almonard, Surya	Aesthetic view of fan will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
230	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply of 450 mm dia 240V, 1 phase, 50 Hz Exhaust fans with shutter, motor etc., GEC/Crompton make complete as required Approved makes for exhaust fans Crompton Greaves, Orient, Khaitan, Almonard, Surya	Aesthetic view of fan will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
231	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	CFL surface mounted fixture of Philips type FCS 518/218 W, CFL lamp or equivalent as per approved list Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
232	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	CFL surface mounted fixture of Philips type FCS 100/118 W, CFL lamp or equivalent as per approved list Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
233	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	CFL Recessed mounted fixture of Philips type FBH 145/218 HF watt CFL lamp or equivalent as per approved list Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
234	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Surface mounted wall step light fixture of Philips DCP 715/2 x PLC 18W or equivalent as per approved list with lamps complete as required (ECB 300) Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
235	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Surface mounted fixture of Philips TCW 097/136 HF or equivalent as per approved list with lamps complete as required (TCW 450/136HF) Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
236	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Surface mounted fixture of Schreder MY1/CFL/1x36W/1338/IP67/HF or equivalent as per approved list with lamps complete as required Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
237	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Surface mounted fixture of Philips TCS 19/136 HF or equivalent as per approved list with lamps complete as required Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
238	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Outdoor light bollard light fitting of Philips FGC 100 with 9 W PL-S lamp Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
239	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Street lighting luminaire of Philips type SRP-51/250 SON-T or equivalent as per approved list mounted on 1.6 meter height 40 mm GI pipe fpt boundary lighting complete with 250 W SON-T lam and clamps etc required for fixing with wall Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
240	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Street lighting fixture of Philips type SRP-51/250 SON-T or equivalent as per approved list with 'acrylic' cover with 250W high pressure sodium vapour lamp to be mounted on 9 mtr. high MS tabular pole Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.
241	–	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Street lighting fixture of Philips type SRP-51/150 SON-T or equivalent as per approved list with 'acrylic' cover with 150W high pressure sodium vapour lamp to be mounted on 7.5 mtr. high MS tabular pole Approved makes for light fixtures are, Philips, Wipro, GE, Surya	Aesthetic view of fixture will vary from model to model. Hence request you to kindly specify the model numbers to be considered for this line item from each of the approved makes.	Refer Corrigendum V:Part-B.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
242	-	SCHEDULE- F- ELECTRICAL WORKS (SUMMARY SHEET)	Supply, installation, testing and commissioning of 3 phase 415V, 50Hz, 1500RPM Radiator Cooled Silent 630 kVA Diesel Generator Set including Acoustic enclosure and Exhaust Piping. The DG set shall be suitable for being overloaded upto 10% of the rated capacity for 1 hour in every 12 hours	DG Set rating specified in the tender BOQ is 630KVA which is a non-standard rating as per approved manufactures recommendations Request you to kindly confirm whether we can consider 600KVA DG Set for this line item.	Refer to Corrigendum V: Part-E Revised BOQ. Schedule-F(Sub-Schedule-9).
243	-	Annexure- IX-A	Approved makes for Distribution Boards are Schneider, Siemens, Legrand Lexic	Make "L&T" is one of the approved make for MCB's / RCCB's and ELCBs Request you to kindly include "L&T" in the list of approved makes for Distribution Boards.	Refer Corrigendum V:Part-B.
244	-	Annexure- IX-A	Approved makes for DG SET are Sudhir, Powerica, Mahindra, Jackson	3 out of 4 Nos agencies specified offers only cummins engines for the DG sets and only one agency operates in the project location Hence request you to kindly furnish additional list of makes for DG set works / DG Engines for this project.	Refer Corrigendum V:Part-B.
245	General	SCHEDULE C SUB SCHEDULE-6 :	Boring, providing and installing bored cast-in-situ reinforced cement concrete piles as per approved GFC drawing of 800/1000 dia with M-35/20 using PPC/PSC grade cement in all soil strata	Kindly provide the pilling work drawings to know the total nos of piles & its depth.	This is a item based contract. Construction details shall be issued prior to construction at site.
246		We request you to provide detailed drawings for all the buildings for the subject project tender please.	This is a item based contract. Construction details shall be issued prior to construction at site.
247				Kindly provide the structural drawings also to calculate the shuttering quantity as the concrete items are including shuttering.	This is a item based contract. Construction details shall be issued prior to construction at site.
248		BOQ Schedule A, Sr No. 3.0)	Provide furnished office at site , for use of Client's Representative and his supporting staff approximately 150 sqm area at site and 30 sq m at casting yard as per drawing and Technical Specifications	Kindly clarify the qty for BOQ item no.3,furnished site office requirement.	Please referCorrigendum V:Part-E revised BOQ
249		BOQ Schedule B, subschedule 6 Sr No. 5.3.b	Supplying & applying Fluoroshine/ epoxy for maintaining shine of VDC floors using mechanical polishing as approved by Engineer in charge	In Architectural BOQ 5.3 – please provide the thickness of Fluroshine/ Epoxy works.	Please referCorrigendum V:Part-E revised BOQ
250		Annexure- IX-B		Please provide the approved vendor list for RE Wall & Filter Media works.	Refer Part-3, Annexure IX A/B
251		Part 2, Annexure VII-B		Please provide the locations and drawings for RE Wall & Filter Media and Pitching Works.	This is a item based contract. Construction details shall be issued prior to construction at site.

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
252		BOQ Schedule C ,subschedule1 Sr No. 3.3	Providing and laying Pitching with stone boulders weighing not less than 35Kg each with the voids filled with cement sand mortar 1:4 on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and technical specifications.(Filter media to be paid separately under the relevant item) (Cement 0.125 MT/M3). For Slopes provided in Embankments in Depot portion	In Structural BOQ 3.3- please provide the Dry Random Rubble Stone pitching locations and drawings.	This is a item based contract. Construction details shall be issued prior to construction at site.
253		BOQ Schedule C, subschedule1 Sr No. 3.4)	Providing and laying of filter material As per RDSO Specifications underneath pitching in slopes complete as per drawing and Technical specification.	In structural BOQ 3.4- Please provide the Dry Random Rubble filter media locations and drawings.	This is a item based contract. Construction details shall be issued prior to construction at site.
254		Part 2, Annexure VII-B		Please provide the detailed drawings location for RCC M35 Boundary Wall Panels in Structural BOQ items no:3.5 & 3.7.	This is a item based contract. Construction details shall be issued prior to construction at site.
255		Part 2, Annexure VII-B		Kindly provide the Drawings for PEB Works and also clarify the Column are with RCC or Steel for each building.	This is a item based contract. Construction details shall be issued prior to construction at site.
256		Part 3, Annexure-IX-B	LIST OF APPROVED MANUFACTURERS / VENDORS (Civil Construction Works)	Please clarify, other than list of vendors given in the tender for PEB are accepted or not, as only 4 vendors names are given.	Refer Part-3, Annexure IX A/B
257		BOQ Schedule C, Subschedule-3 item no 3.6	Providing and Fixing Concertina Coil Fencing with punched tape concertina coil 600mm dia 10 metre openable length (total length 90M) having 50 nos rounds per 6metre length, upto 3metre height of wall with existing angle iron 'Y' shaped 3 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with GI staples and GI clips to retain horizontal including necessary bolt or GI barded wire tied to angle iron all complete as per direction of Engineer Incharge with reinforced barbed tape (R.B.T.)/ Spring core (2.5mm thick) wire of high tensile strength of 165kg/MMsq with tape (0.52 mm Thick) and weight 43.478gm/metre (Cost of angle, CC blocks shall be paid separately)	Please clarify the unit of Concertina Coil Fencing Work. Whether it is MT Or RMT.	Please refer Revised BOQ Corrigendum V:Part-E revised BOQ
258		Part 3, Annexure-IX-B		Please provide the impregnated fabric locations and drawings and name of approved vendors.	1. This is a item based contract. Construction details shall be issued prior to construction at site. 2. Refer Part-3, Annexure IX A/B
259		Part 2, Section VII-B,3.20.5.a	Use of well-graded Fly Ash from an approved source may be permitted subject to satisfying the design criteria and requirement of mix design	Please provide the minimum cement content for concrete works and also please confirm Fly ash and M sand are allowed for all concrete works.	Part 2, Section VII-B, Annexure-VII-D
260		Part 2, Section VII-C,3.20.5.a		Please clarify, why the Design Basis report for Station & Viaduct are given in the tender in Page no.932-1034, since it is a Depot tender.	This is for information
261		Part 2, Annexure VII-B		Kindly provide the Drawings for MEP Works such as Electrical, HVAC, Fire etc.	This is a item based contract. Construction details shall be issued prior to construction at site.
262		Part 3, Annexure-IX-A	LIST OF APPROVED MANUFACTURERS / VENDORS (MEP Construction Works)	Please provide the approved vendor list for Lift works.	Refer Part-3, Annexure IX A/B

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S N	Volume No.	Clause No.	Bid Condition	Bidders' queries	NMRCL Response
263		Part3, Section VIII	Clause 11 Defect Liability	We request to kindly restrict the DLP 12 Months from the date of completion of our works please.	Tender condition previls
264				We request to kindly allow us to provide the labour camp inside the proposed site please.	Refer sn 3
265		Part 2, Section VIIA, 1.2.2	The work covers barricading for the work done along the median and areas affecting road traffic. Barricading for the other areas like casting yard, batching plant, storage and other working area shall be done at own cost by the contractor.	Kindly give the locations of barricading to be provided for both the locations, as the land area is huge.	This is a item based contract. Construction details shall be issued prior to construction at site.
266		2.7		Please mention the nominal charges/Rent of land to be used for batching plant etc.	Clause is self explanatory
267		Part 3, Section IX, Clause 45	The rates as per the accepted Bill of Quantities / Pricing Document shall be applicable till the completion of the Works and will be varied only to the extent of permissible price variation under this clause. However, this adjustment shall be to the extent that full compensation for any rise or fall in costs to the Contractor is not covered by the Price Variation formula, the rates in the accepted Bill of Quantities / Pricing Document shall be deemed to include amounts to cover the contingency of such rise or fall in costs.	As per Clause 45(Sub Clause 13.8 Page No.1088) of the Particular Conditions of the Contract, (Price variation clause), the all India price indices as issued by CPWD for Reinforcement Steel (Fe 500) have to be adopted for Steel component W so & W s. We came to know from the CPWD website that 10CA indices for Reinforcement Steel were ploaded only up to June 2015 with a base year of Oct 2012=100 and not afterwards. Further the indices already issued by CPWD are applicable only for Delhi, Faridabad, Gurgaon, Ghaziabad and Noida, whereas sub clause 13.8 specifies the All India Price Index For Reinforcement Steel as issued CPWD is to be adopted. Please clarify.	As per relevant circular/ guide lines issued by the office of chief engineer- WR- II at Nagpur.
268		Part 3, Section IX, Clause 45	The rates as per the accepted Bill of Quantities / Pricing Document shall be applicable till the completion of the Works and will be varied only to the extent of permissible price variation under this clause. However, this adjustment shall be to the extent that full compensation for any rise or fall in costs to the Contractor is not covered by the Price Variation formula, the rates in the accepted Bill of Quantities / Pricing Document shall be deemed to include amounts to cover the contingency of such rise or fall in costs.	As per Clause 45 (Sub Clause 13.8 Page No 1088) of the Particular Conditions of the Contract, (Price variation clause), the unit price of Cement of ACC Ltd, Chanda cement Works Chandrapur are available in the INAMPRO Portal as on date. Please clarify.	The clause is self explanatory.
269		Part 2 annexure VII C	Referance document Gio- tech report	We request to kindly provide the bore log taken inside the proposed depots sites please, as the details enclosed in the tender are for viaduct and stations.	Refer to Part 2 annexure VII C.