



KOLKATA METRO RAIL CORPORATION LIMITED
(A Government of India Undertaking)

**Reg Office: KMRCL Bhawan, 2nd & 3rd Floor, Munshi Premchand Sarani,
KOLKATA 700021**

REPLY TO BIDDERS' QUERIES

NIT No. : Civil/1 of 2015-16 of Managing Director, KMRCL

Contract No. EWSAFEM: Architectural Finishing, Plumbing, Tubewell, VAC, Electrical, Fire Fighting Works for 6 Elevated Stations including lighting of Viaduct & lighting of TSS/ASS of Car Depot and RCC Structural roof over Platform of Sector-V Station of East West Corridor of Kolkata Metro

"Architectural Finishing, Plumbing, Tube well, VAC, Electrical, Fire Fighting Work for 6 Elevated stations including lighting of Viaduct & lighting of TSS/ASS of car depot and RCC Structural roof over platform of Sector-V Station of EAST-WEST Corridor of Kolkata Metro"

1. Bidders Queries received on 09.10.2015 (Mackintosh Burn Limited)

Sl. No.	Queries	Reply of KMRCL	Addendum(Y/N)
1	Whether the space for Site Office, Godowns, Stores, Labour Hutments along with the arrangement of sanitation, Stack yard and space for installation of batching plant will be available within the site premises / working area free of cost (the arrangement for construction of the same will be made by the bidder at their own cost) or the Contractor has to arrange himself for the land/space at their own cost at any other premises.	Contract condition shall prevail. Arrangement of land for temporary set up is contractor's scope	N
2	Kindly explain the clause No.2.3 of GCC (Pg-15 & 16 of 154). Kindly confirm whether the permits and approvals will be taken in favour of KMRCL. Kindly explain the role/scope of the contractor regarding obtaining those permissions.	Role/scope of the contractor has been given in clause 2.3 of GCC	N
3	Since it is a Metro Railway Project, kindly confirm us whether it will be under the jurisdiction of service tax or not. If the project is under purview of Service Tax, also confirm whether Service Tax has to be included in our offered rate or not.	It is works tender only; hence Service Tax is not payable for Works Contract.	N
4	Kindly confirm that whether the preparation of design & drawing for any part of the work is in contractor's scope or exclusively to be prepared by client.	Only Engineering for preparation of detailed working drawings & Documents of E&M system is under Contractor's scope of work. (Refer Scope of Work under Sl. No 1.1.1 & 1.1.2 of Section E.00 of Vol-3 Part-2 and Addendum 3 thereof).	N
5	Refer Item No. 3.7 & 10.3 of Part-I (Civil) BOQ for (500x500) vitrified floor tile: Generally vitrified tile of size (500x500) mm is not available in the market.	Refer Addendum 3, Sl. No. 247	Y
6	Refer Item No. 9.2 of Part-I (Civil) BOQ: Item No. 8.2 is referred in this specification of Item No. 9.2. But Item No. 8.2 is not available in the BOQ.	It is a typographical mistake. Kindly Read as 9.1 instead of 8.2. Addendum no. 3 issued.	Y

Sl. No.	Queries	Reply of KMRCL	Addendum(Y/N)
7	The nomenclature of Item No. 13.2 in Part-I (Civil) BOQ is incomplete.	Complete item will be as follows:- Providing and fixing Custom sized pre galvanised steel polyster powder coated non - perforated panels of approved make including all suspension channel / verner hanger complete installation at site. Rate to include charges for cutting the panels to accommodate the electrical, fixtures, air-conditioning panel, temporary supporting structures like scaffolding etc. Addendum No. 3 issued.	Y
8	Query against Deep Tube well		
	a) Kindly confirm us whether the quality and quantity of only water is to be ascertained from the test against SI.No.1. If the testing has to be done for ascertaining the quality of water only and for determining the depth of water source, then a simple test, called Electro Restivity Test, can be carried out by a Hydrologist, for which no boring is required. Please suggest us whether we should consider the Electro resistivity test while quoting our rate or not.	The quality and quantity of water shall be ascertained from the trial boring and test against SL-1 of Schedule F of Volume-4	N
	b) It is more likely to use the UPVC pipes in place of HDPE pipes for boring of tubewell. So, kindly confirm us which category of pipe can be used for tubewell boring.	HDPE pipe shall be used	N
9	Query against Electrical Works:		
	a) Sub Head No. E.03 - Regarding M.V. Cabling SI. No.1.1 : Rates mentioned in the BOQ for Supply, laying, testing & commissioning of 1100 V grade, XLPE insulated, armoured cables in different modes i.e. on existing trays / walls / columns / indoor / trenches including the cost of supports etc. – This item requires clarification because,		
	(1) The cost involvement for laying cables in different modes is different. As such how it can be clubbed in a single item?	1) The rate provided in this item is only for supplying and laying of cable. The costs for installation of trays/trench etc. are provided in separate item.	Y
	(2) This item also includes provision of cable gland at all point of entry & exit, but in the next item of work i.e. 1.1A, provision of cable gland has been made?	2) Refer SI. No. 83 of Addendum No. 3	

Sl. No.	Queries	Reply of KMRCL	Addendum(Y/N)
	<p>b) Sub Head No. E.04 - Regarding Point Wiring</p> <p>The Items under Sl. Nos.. 1.1, 1.1.1, 1.2, 1.2.1, 1.3, 1.4, 1.5, 1.6 require the length of average run for each item of wiring separately, otherwise it would not be possible to assess the quantum of wiring is to be executed in each item of point wiring works. What is meant by "MS Raceway"? This is mentioned in Item No. 1.4, 4.0 & 4.1. What is the vertical height of Raceway from the Platform floor?</p>	<p>Point Wiring:- As per standard Practice for Internal Wiring in Building, 1st Point wiring i.e. from Local Switch Board (Box) to Light/Fan point etc, is around of 10m length whereas for secondary wiring from Fitting to fitting is around 5m length. However, Refer Cl. No. 2.6.4.1 & 2.6.4.2 of Electrical Works Specification Vol-3 Part-2.</p> <p>MS Raceway:- In regards to Raceway, Refer 4.0 & 4.1 of BOQ (Vol.4- Part-2) and Vertical height of raceway from FFL of Platform level is approx. 6m.</p>	N
	<p>c) Regarding Lightings</p> <p>As information gathered from Philips House the following two Light fittings are going to be upgraded as follows:-</p> <p>Sl. No. 1. Cat. No. - as per BOQ:- BRP 020 1X10 LED. 25W, LUMEN OUTPUT 1650, Cat. No.-as per UP GRADED VERSION:- BRP022 LED 21 CW MR S1 PSU GR.</p> <p>Sl. No. 2. Cat. No. - as per BOQ:- BRP 322 48 LED CW 75 FG SI PSU, Cat. No. - as per UP GRADED VERSION:-BRP322 LED 100 CW HE NR PC S3</p> <p>Valued observation is requested by the authority, as we are considering the upgraded models during our quoting the rates.</p>	<p>The up gradation of LED luminaries is a continuous process. The bidders will quote on the basis of type specified in the BOQ. However, the upgradation of LED luminaries may be considered during detail Engineering Drawings of Lighting system without involvement of any additional price.</p>	N
10	<p>10. Query against Fire Fighting Works:</p> <p>a) Sub Head No. 5 - Portable Fire Extinguishers</p> <p>Kindly confirm the I.S. Codes against Item Nos. 5.3, 5.4, 5.5, 5.6 and 5.8 for all the six stations.</p> <p>In our consideration, the I.S. codes for the said items need to be changed as per followings details:</p> <p>For It. No. 5.3, 5.4, 5.5 & 5.8 - to be modified as I.S. 15683:2006.</p> <p>For It. No. 5.6 - to be modified as IS: 10658 (For DCP 50 kg</p>	<p>a) In general, the following Indian Standard with Latest amendment for Fire Portable Extinguishers are applicable:-</p> <p>Portable Water Type Fire Extinguishers- IS15683-2010</p> <p>Portable CO2 Type Fire Extinguishers- IS2878-2012</p> <p>Dry Chemical Powder Type - IS14609-1999</p> <p>Two Wheel Trolley with CO2 - IS 10658-2010</p> <p>In addition to above, the bidder may refer to any other relevant IS as applicable.</p>	N

Sl. No.	Queries	Reply of KMRCL	Addendum(Y/N)
	<p>capacity)to be modified as IS: 7285 (for outside gas cylinder)</p> <p>b) Kindly confirm us whether the pipes to be used for Piping work for Fire fighting system will be made of G.I. or of M.S.</p>	<p>b) Pipe for Fire Fighting shall be Hot dipped Galvanised MS. Refer Cl. No. 4.1 of BOQ – Fire Services</p>	
Bidders Queries received on 19.10.2015			
11	<p>CLARIFICATION NECESSARY FOR THE FOLLOWING ITEM OF ELECTRICAL WORK included IN THE BOQ of RCC STRUCTURAL WORK [SCHEDULE ‘E’ – RCC STRUCTURAL WORK – Sector – V]</p> <p>Item Sl. No. 14. [Page – 3]</p> <p>Description of Item - Supply , Installation, Testing of Earth mat for each station comprising of Copper rod/ flat of area 200 sq.mm each with grid 5 m X 5 m including 10 risers (approximately) of 200 sq. mm each copper rod / flat to ASS/TSS/other E&M and signalling rooms and installation of 5 to 6 nos Main Earth Terminals. The Earth mat to be laid at about 1.0 m to 3.0 m below the existing ground level with minimum 6 Copper electrodes of 16 mm dia and about 3.0 m long. All joints to be brazed. Riser should be encased in GI pipe. (There may be minor modifications in the above design during actual execution)(Earthwork in excavation & filling to be paid separately) – 6 Nos.</p> <p>Queries –</p> <ol style="list-style-type: none"> What is meant by ASS / TSS ? What is the spec. of 10 – Risers ? What is the spec. of 5 to 6 nos. Main Earth Terminals? Is it of Copper electrodes of 16 mm dia. and about 3.0 m long ? Riser should be encased in GI pipe, as mentioned above. What will be the dia. of G.I. pipe ? What will be the finished size of the Grid in SQ M i.e. finished / covered area ? 	<p>Item Sl. No 14 (Page-3)</p> <p>In regards to Earth Mat of each Station, relevant description provided under Sl. No is Okay towards Quoting purposes. You may refer plan & Elevation of Station Architectural Drawing Enclosed with tender Documents (Vol. 5) for further information.</p> <p>In regards to other queries , please note the following:-</p> <ol style="list-style-type: none"> ASS – Auxiliary Substation ; TSS- Traction Substation As specified in BOQ, Long = 100 m (approx) Yes. To be finalised during Engineering for preparation of detailed drawing. Size 20m x 10m 	N

Sl. No.	Queries	Reply of KMRCL	Addendum(Y/N)
Bidders Queries received on 20.10.2015			
A) IN BOQ PORTION			
12	<p>E.03 : MV CABLING :-</p> <p>Cl. SI. No.1.1 : Rates mentioned in the BOQ for Supply, laying, testing & commissioning of 1100 V grade, XLPE insulated, armoured cables in different modes i.e. <u>on existing trays/walls/columns/indoor/trenches including the cost of supports etc.</u></p> <p>This item requires clarification because,</p> <p>(1) The cost involvement for laying cables in different modes is different. As such how it can be clubbed in a single item? As such how the techno-commercial assessment will be done for these items by the Bidders?</p> <p>This item also includes provision of cable gland at all point of entry & exit, but in the next item of work i.e. 1.1A, provision of cable gland has been made</p>	<p>1) The rate provided in this item is only for supplying and laying of cable. The costs for installation of trays/trench etc. are provided in separate item.</p> <p>2) Refer Sl. No. 83 of Addendum No. 3</p>	Y
13	<p>E.04 : POINT WIRING:-</p> <p>The Items under Cl. SI. Nos. 1.1, 1.1.1, 1.2, 1.2.1, 1.3, 1.4, 1.5, 1.6 require the length of average run for each item of wiring separately, otherwise it would not be possible to assess the quantum of wiring is to be executed in each item of point wiring works?</p> <p>What is meant by “MS Raceway”? This is mentioned in Item No. 1.4, 4.0 & 4.1. What is the vertical height of Raceway from the Platform floor?</p>	<p>Already specified under Sl. No. 9 (b) above of Tender queries and answers</p>	N

SI. No.	Queries	Reply of KMRCL	Addendum(Y/N)									
14	<p>Regarding Lightings:- As information gathered from Philips House the following two Light fittings are going to be upgraded as follows:-</p> <table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Cat. No. – as per BOQ</th> <th>Cat. No. – as per UP GRADED VERSION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>BRP 020 1X10 LED. 25W, LUMEN OUTPUT 1650</td> <td>BRP022 LED 21 CW MR S1 PSU GR</td> </tr> <tr> <td>2</td> <td>BRP 322 48 LED CW 75 FG SI PSU</td> <td>BRP322 LED 100 CW HE NR PC S3</td> </tr> </tbody> </table> <p>Valued observation is requested by the authority, as we are considering the upgraded models during our quoting the rates.</p>	Sl. No.	Cat. No. – as per BOQ	Cat. No. – as per UP GRADED VERSION	1	BRP 020 1X10 LED. 25W, LUMEN OUTPUT 1650	BRP022 LED 21 CW MR S1 PSU GR	2	BRP 322 48 LED CW 75 FG SI PSU	BRP322 LED 100 CW HE NR PC S3	Already specified under SI. No. 9 (c) above of Tender queries and answers	N
Sl. No.	Cat. No. – as per BOQ	Cat. No. – as per UP GRADED VERSION										
1	BRP 020 1X10 LED. 25W, LUMEN OUTPUT 1650	BRP022 LED 21 CW MR S1 PSU GR										
2	BRP 322 48 LED CW 75 FG SI PSU	BRP322 LED 100 CW HE NR PC S3										
15	<p>E.01 : M V SWITCH GEAR:-</p> <p>Cl. SI. No.1.3: Main Lighting Distribution Board (MLDB)-Normal: Outgoing Feeders not yet decided. As such how the techno-commercial assessment will be done for the item by the Bidders?</p> <p>Cl. SI. No.1.4: Main Lighting Distribution Board (MLDB)-Emergency: Outgoing Feeders not yet decided. As such how the techno-commercial assessment will be done for the item by the Bidders?</p> <p>Cl. SI. No.1.6: Air Conditioning & Ventilation Panel (VACP): Outgoing Feeders not yet decided. As such how the techno-commercial assessment will be done for the item by the Bidders?</p> <p>Cl. SI. No.1.8 (1.7 as mentioned in Tech. Spec.): UPS Panel (60 KVA): Design incomplete, as last Para of the spec. speaks, “Any other components etc. not been specially mentioned above, the same need to be considered for completeness of essential (UPS) power supply”. As such how the techno-commercial assessment will be done for the item by the Bidders?</p> <p>Cl. SI. No.1.9: Power Factor Correction Panel: Design incomplete,</p>	<p>Refer Addendum No.-3 (SI. No 56 for MLDB)</p> <p>Refer Addendum No. -3 (SI. No 57 for EMLDB)</p> <p>Refer Addendum-3 (SI. No 59 for VACP)</p> <p>In tender documents (Technical Specification) Vol.-3 , Part-2, the detailed specification has been specified as guideline for Power factor correction Panel & UPS Panel. If any item not covered in BOQ is encountered during preparation of detailed engineering drawing that will be dealt as variation.</p>	Y									

Sl. No.	Queries	Reply of KMRCL	Addendum(Y/N)
	<p>as last Para of the spec. speaks, "Any other components etc. not been specially mentioned above, then the same shall be considered in order to complete the power factor improvement system in totality". As such how the techno-commercial assessment will be done for the item by the Bidders?</p> <p>Cl. SI. No.1.16: Power supply arrangement for Passenger amenities Equipments, as mentioned in BOQ – LOT ? Details of Amenities are required, otherwise how the techno-commercial assessment will be done for the item by the Bidders?</p>		
B) IN TECHNICAL SPECIFICATION PORTION			
16	<p>Cl. SI. No.7.1 (Page-87 of Tech. Spec.): Along with the Bid/offer how the technical particulars of the item of Electrical material can be furnished, until one particular Brand / Make is approved by the client, because as per "Approved Make List" there are number of Brand / Makes ?</p>	<p>Single vendor brand cannot be specified. It is a standard practice to prepare detail Engineering Drawings of the system/Equipments/ materials at initial stage after award of contract. The bidder has to select one of the vendor among the approved List of Vendors in line with detail Engineering work and to take procurement actions accordingly. Cost analysis during tendering stage may be done based on intended vendor's rate out of approved list.</p>	N
C) SOME PROPOSAL			
17	<p>E.02 : DISTRIBUTION BOARDS (In BOQ):</p> <p>Cl. SI. No. 1.1 to 1.6: In these items ELCB may please be omitted to avoid frequent tripping during in use.</p> <p>E.03 : M V CABLING (IN BOQ):</p> <p>Cl. SI. No. 1.1: All 3.5 - Core Cables may please be replaced by 4 - Core Cables, as most of the Electrical Loads are of 1 – Phase and there will be considerable amount of "Un Balance Current" flowing through the neutral. If the "Neutral Floats", then there will be dangerous consequence of "Voltage unbalance".</p> <p>E.04 : POINT WIRING (IN BOQ):</p> <p>Cl. SI. No. 2.5: With 32 A Industrial Socket Outlet, 32 A DP RCCB</p>	<p>(i) ELCB/RCCB has been selected with 100mA sensitivity for protection against Electric shock due to indirect contact and also to protect Earth Leakage current in the system. The proposal is denied.</p> <p>(ii) As per manufacturing standard practice [IS : 1554] up to 25 sq.mm 4 cores is readily available, but for size above 25 sq.mm only 3.5 cores are available</p> <p>(iii) For switching purpose MCB (10 KA)in accordance with IS/IEC 60898 shall be provided.</p>	N

Sl. No.	Queries	Reply of KMRCL	Addendum(Y/N)
	may please be omitted to avoid frequent tripping during in use.		
18	<p>E.06: PROTECTIVE EARTHING (IN BOQ):</p> <p>CI. SI. No. 3.7 & 3.8: Quantity of Earth Buses (GI & Cu) may pl. be changed to RM instead of LS, as mentioned in BOQ. Perhaps there is typographical mistake with the spec. of Cu Earth Bus in CI.SI.No. 3.8, which may pl. be corrected.</p> <p>CI. SI. No.3.7.1 (Page-36 of Tech. Spec.): “Neutral Bus Bar” may pl. designed with same cross sectional area as that of the “Phase Bus Bars”, as most of the Electrical Loads are of 1 – Phase and there will be considerable amount of “Un Balance Current” flowing through the neutral.</p>	<p>For your information, E&M portion of the proposed work is a preparation of Detail Engineering Drawings & Documents. Unfortunately your proposed protective earthing is not acceptable. We request you to go through the technical specification and in line with BOQ item wise.</p> <p>i) The bidder may quote rate on the basis of standard length assessed from Civil drawing.</p> <p>ii) There is no typographical mistake.</p> <p>iii) Proposal is denied.</p>	N
19	<p>D) Querries /Proposal</p> <p>1. Please refer to BOQ Schedule ‘A’ of Civil work - Item SI. No. 5.8 : The said item stands for payment against double scaffolding system on the exterior side. We propose to include in BOQ an item for scaffolding work on the interior side where scaffolding is necessary beyond 3.5 m.</p> <p>2. In case of work to ceiling to any floor where floor height is more than 3.50 m, we propose to include an extra item in BOQ for payment for Scaffolding.</p> <p>3. In case of TURN KEY work, the items of works appearing in the tender BOQ may be payable as per tendered rates. But it is no where mentioned how the items of works not appearing in the tendered BOQ will be derived. Kindly specify how the said rates will be derived.</p>	<p>1. Not agreed. Contract condition shall prevail. Ref. Clause No. 12.4 (g) of GCC (Page 62 of 154).</p> <p>2. Ref. Clause No. 12.4 (g) of GCC (Page 62 of 154).</p> <p>3. Ref. Clause No. 12.4 (g) of GCC (Page 62 of 154).</p>	N

"Architectural Finishing, Plumbing, Tube well, VAC, Electrical, Fire Fighting Work for 6 Elevated stations including lighting of Viaduct & lighting of TSS/ASS of car depot and RCC Structural roof over platform of Sector-V Station of EAST-WEST Corridor of Kolkata Metro"

2. Bidders Queries received on 13.10.2015 (BIL Infratech Ltd)

Sl. No.	Queries	Reply of KMRCL	Addendum(Y/N)
1	Please provide the BOQ in Excel format to enable us to work-out the tender price.	Not agreed	N
2	As per SCC, Sub Clause 4.5 an Appendix-6 consisting the list of sub-contractors & vendors are provided along with the tender. However, the same is not available & hence, request you to please provide the same.	Not included in the tender	N
3	Please provide the approved make / dealer in India doe BOO Item No. 15.6; SS Seating Bench.	The benches shall be manufactured using stainless steel 304 grade confirming to IS: 6911/ASTMA240/A 240M. Procedure involve shall be as per Indian Standard.	N
4	Please clarify whether Service Tax is exempted for this work.	It is works tender only; hence Service Tax is not payable for Works Contract	N
5	Parent company undertaking/warranty — Please clarify whether the same needs to be provided along with the bid.	Yes	N
6	Valid electrical / plumbing license - Please clarify whether the same needs to be submitted along with the bid.	Not required	N
7	Vol.-I, FOT — 3 nos. Architects to be under the Company's payroll. Please clarify whether they can be retained as Consultants.	We have no objection	N
8	BOO, Sch-E, item no. 1, 2, 3 — Please specify the grade of concrete.	Grade of concrete specified in the respective item	N
9	BOO No. 11.2; Metal door — Please specify the metal door rate including all hardware fittings like handle, door closer etc., or only SS hinges.	Reference BOQ item description which include all hardwares.	N
10	Cement— Only OPC can be used, or both OPC & PPC can be used.	Contract condition shall prevail	N
11	BOO Item No. 3.3; Ceramic glazed wall tiles — Please specify the size of the tiles.	As per drawing	N

Sl. No.	Queries	Reply of KMRCL	Addendum(Y/N)
12	BOQ Item No. 3.4; Ceramic glazed wall tiles — Please specify the colour & thickness.	Reference BOQ description	N
13	BOQ Item No. 3,5; Vitrified tile-Please specify the colour & thickness.	Reference BOQ description	N
14	BOO Item No. 3.7; Vitrified tile — Please specify the colour & thickness.	Reference BOQ description	N
15	Suspension of work — Please clarify that the cost implication for the suspension of work shall be to Client's account.	Cost implication for the suspension of work is given in clause 8.7 of GCC, Volume-2	N
16	Date of submission — 12.10.2015 being Diwali/Kali Puja, we request you to please extend the submission date for another 15 days.	Reefer Addendum No. 2	Y
17	Payment terms : Please clarify whether the last 5% retention amount to be paid after Defect Liability Period (DLP) can be released against submission of BG of equivalent amount.	Refer Addendum 3, Sl. No. 9	Y
	<ul style="list-style-type: none"> • We request for the following Payment terms for Part-II; - 10% advance against advance BG for equivalent amount, - 5% against drawings approval. - 60% against supply of items delivered at site. - 15% after completion of installation work, - 5% after successful testing & commissioning. - 5% against BG for equivalent amount. 	Refer Addendum 3, Sl. No. 9	Y
18	Please confirm that the BG for advance shall be released as soon as the advance amount is adjusted.	Reference contract provision	N

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3. Bidders Queries received on 13.10.2015 (Simplex Infrastructures Limited)

Sl. No.	Title	Page/Clause No.	Queries	REPLY BY GC/KMRC	ADDENDUM (Y OR N)
1	Land for Contractor's Work Area for making Site Set up	Vol.2- GCC –Clause 4.12,4.26.4.28	Bidder requests the Employer to provide an area of Minimum 10000 Sqm. for establishing Yard facilities, Batching Plant and other ancillary facilities for execution of Work near the proposed R.O.W free of all charges, which would be returned after completion of work in good condition.Please confirm.	Not agreed	N
2	Performance Security	GCC, Cl. No. 4.2.1(a), 4.2.2(b) & (c)	In referred clauses the validity of performance security mentioned are not matching with each other. Bidder requests the Employer to clarify the validity period. As per clause 4.2.1a, it is stipulated that PBG has to be kept valid for 6 Months beyond Defect Liability Period, whereas, Cl. 4.2.2c states that 50% of Performance BG would be released after issuance of the taking Over Certificate and balance after DLP+28 days. Please confirm.	YES ,it is confirmed and the provisions are in order.	N
3	Detail Design	Scope of Work, Cl. No. 2.1.1 & Part-II of Volume - 4	Bidder understands that the Work is an item rate contract and bidder shall submit their tender based on the BOQ with indicative quantities provided by the Employer within the tender document except for E & M works.	For E&M portion of work, it includes Engineering for preparation of detailed working drawing. Refer scope of work specified under "Scope of Work" Clause No. 1.1 under Section E.00 of Vol 3, Part-2	N
			For E& M works Design, detailed Engineering, Supply, Installation, Testing & Commissioning (Including Integrated Testing & Commissioning) will be the responsibility of the contractor and payment will be made as per quantity actually executed as per detail design as per the BOQ rates. Contract price will be also adjusted accordingly as per detail design.	In general, BOQ & technical specifications are the guidelines for overall concept of the proposed work. However, the contractor has to carry out Engineering for preparation of Detailed Working Drawings & Documents for E&M system.	N
			Bidder requests the Employer to clarify the above and especially the scope of works of the Part-II of the BOQ.		

Sl. No.	Title	Page/Clause No.	Queries	REPLY BY GC/KMRC	ADDENDUM (Y OR N)
4	Bid Submission	NIT-SI.11	Given the magnitude of work, the bidder requests the Owner/Engineer to extend the Dead line for Submission of bids of the referred tender by at least 4 weeks beyond the stipulated date of 12th Nov.'2015 i.e. upto 10th Dec.'2015, since this bid entails a detailed and in-depth study of the same followed by a sizeable pretender works including but not limited to detailing of pricing in addition to coordination with various specialized agencies/vendors especially for E & M Works and suppliers to facilitate preparation of a competitive bid for this proposed work. Please confirm.	Please refer Addendum No. 2	Y
5	Service Tax	NIT-SI.06- IX	The bidder understands that service tax on the referred works would not be applicable, as it is an infrastructure project. However, in the event it becomes applicable, the same would be reimbursed by the Employer as per actual.Please confirm.	It is works tender only; hence Service Tax is not payable for Works Contract.	N
6	Price Adjustment for material Component	Special Condition of Contract, Cl. No. 22 .1.1& Sub. Cl. No. 11.1.2	The bidder submits that the change in index number under the Groups and Sub Groups for Cement, Steel, fuel published by RBI Bulletin does not reflect the actual increase/decrease in unit price in the market. In view of the above, the bidder requests for modification of the said index number of cement, Steel, fuel published by RBI with the average price of those materials from approved suppliers/manufacturers to have a more realistic compensation towards hike in price of those material.Please confirm.	Not agreed.	N
7	Escalation for Reinforcement steel	Special Condition of Contract, Cl. No. 22 & Sub. Cl. No. 11.1.2	Bidder requests the Employer to allow escalation of Reinforcement bars based on the base price of SAIL Depot at Kolkata. Please confirm.	Not agreed.	N

Sl. No.	Title	Page/Clause No.	Queries	REPLY BY GC/KMRC	ADDENDUM (Y OR N)
8	Access Road and Way Leave	Sub Clause 4.25,4.26,4.27 and 4.28-Page 89 of 157	<p>Given the composition of the work being mainly finishing work in the already constructed station building the bidder does not envisage movement of any heavy construction plant and machinery in connection with the contract execution except some movement of Transit Mixers at Sector V Station. It is noteworthy to mention here that the road stretches in the vicinity of the Stations are the busiest roads of the city and heavily loaded, overloaded vehicles ply regularly round the clock through it. It is pertinent that the damages caused to the roads, if any, at the station locations during execution of the contract will be predominantly for plying those regular vehicles only and not for the movement of the construction plant /Machinery in particular.</p> <p>In view of the above bidder requests Employer to amend this clause suitably whereby the road repairing works done by the contractor will be reimbursed as per actual through proper Schedule of Rates. Please confirm.</p>	Not agreed.	N
9	Earth Work	BOQ. Schedule-A, Sl. No: 1.1.1	Bidder requests the Employer to specify the maximum depth of excavation for this item of work.	Refer drawings	N
			Bidder also understands that unusable excavated earth (i.e. surplus/ waste earth) shall be spread on site or removed by the contractor as per instruction of Engineer. Please confirm whether Disposal yard also has to be arranged by the contractor.	YES	N
10	Flooring-Chequered Precast Concrete Tiles	BOQ. Schedule-A, Sl. No: 3.6	Bidder requests the Employer to specify the size of tiles and also to mention the particular colour shade to be used for this work to avoid any confusion during execution.	As per best practice and sample to be approved.	N

Sl. No.	Title	Page/Clause No.	Queries	REPLY BY GC/KMRC	ADDENDUM (Y OR N)
11	Calcium silicate ceiling	BOQ. Schedule-B, SI. No: 13.1	Bidder requests the employer to change the thickness of calcium silicate boards to 12mm from 15mm since 15mm thick boards is too heavy for ceiling works and used for partition walls only. Please clarify.	Refer Addendum 3, SI. No. 4.	Y
12	Metal false ceiling	BOQ. Schedule-B, SI. No: 13.2	Bidder requests the employer to specify the thickness of the panels to be used. Moreover the description of the item is also incomplete. Please clarify	Refer Addendum 3, SI. No. 5.	Y
13	Pumps & other accessories (Electrical / Mechanical items)	BOQ. Schedule-D, SI. No: 25, Misc. for Water Tank	Bidder requests the Employer to specify the manufacturer name to make it more transparent for the quoting and avoid confusion between bidder's consideration and Employer's requirement during execution.	Refer Cl. No. 1.5 & 1.8 under Section E.01 of Vol 3, Part-2 towards specifications of Fire pump MCC panel & water pump panel, electrical rating against different pumps has been provided for the bidder's reference while quoting. Also refer Cl. No. 1.5 under Scope of Work Vol 3, Part-2	N
			Moreover, the capacity of the pump has also to be specified by the Employer since design is not included in the scope of the work. Please clarify.	The capacity of pumps shall be finalised by the Bidder during preparation of detailed Engineering drawing. In this connection, refer Notes under SI. No. 25.10 of Schedule-D of BOQ, Vol 4, Part 1.	N
14	RCC structural work –Sector V station	BOQ. Schedule-E, SI No. 6, Centering and shuttering	Bidder requests to clarify the item of work regarding the unit rate of centering and shuttering at heights less than 3.5m and the extra rate for heights greater than 3.5m	Rate mentioned in the item is at all level over a height of 3.5m. For Height below 3.5 m rate as per contract condition shall prevail.	N
15	RCC structural work –Sector V station	BOQ. Schedule-E, SI No. 18, Precast cable trough	Bidder requests the Employer to specify the areas of the viaduct where cable trough has to be installed.	In six elevated stations and as per requirement at site	N
16	RCC structural work –Sector V station	BOQ. Schedule-E, SI No. 23, Drilling and fixing rebar	Bidder requests the Employer to specify the name of the manufacturer as well as the chemical to be used.	Refer technical Specification and reputed manufacturer to be approved.	N
17	RCC structural work –Sector V station	BOQ. Schedule-E, SI No. 25, Cement Concrete of 1:2:4	Bidder requests the Employer to review and modify the rate of the above item of work which is grossly on a lower side.	Please refer Addendum 3, SI. No. 6.	Y

Sl. No.	Title	Page/Clause No.	Queries	REPLY BY GC/KMRC	ADDENDUM (Y OR N)
18	Marble & granite finishing works	BOQ. Schedule-A-Item 7,9 etc.	<p>The descriptions of the some granite/marble/stone finishing works spell out for different types of colour shade and of varying thickness. In this context, the bidder submits that the unit prices of the above raw materials are strictly dependent on the colour shade, source, variety, size & thickness.</p> <p>Now, in order to prepare a competitive bid and for clear understanding of all the bidders, the bidder requests the Employer to specify the particulars of granite/marble/stone materials i.e. thickness, size and color shade, to be operated under the referred items.</p>	Refer drawings and Technical specifications	N
19	Metal Works_ Rolling Shutter	BOQ. Schedule-A, Sl. No: 4.1	Bidder requests the Employer to specify the maximum size/dimension of a single Rolling shutter. The unit price of rolling shutter is mostly varied due size of a single shutter also.	Refer drawings	N
20	Finishing_ Plastering	BOQ. Schedule-A, Sl. No: 5.1 & 5.2	Bidder requests the Employer to specify the height for this particular item and particular location for the plastering works to identify the additional cost involvement due to height, safety of the worker and other aspects.	Refer Tender drawings	N
21	Finishing_ Painting	BOQ. Schedule-A, Sl. No: 5.3, 5.4, 5.5, 5.6 and 5.7	Bidder requests the Employer to specify the particular type of surface (i.e. POP/Putty etc.) on which following paints to be applied.	All types of surfaces	N
22	Water Proofing Work	BOQ. Schedule-A, Sl. No: 8.1	Bidder requests the Employer to elaborate the specification of Fiber glass cloth and mentioned the name of manufacturer also.	Vendor to be proposed shall comply technical requirement for approval	N
23	Cement concrete flooring with hardener	BOQ. Schedule-B, Sl. No: 10.2	Bidder requests the Employer to specify the particular brand of concrete hardener to be used for this item of work.	SIKA/FOSROC/BASF/CICO	N
24	Toilet Mirror	BOQ. Schedule-B, Sl. No: 15.3	Bidder requests the Employer to specify the maximum size of one mirror to be provided against this item of work. The unit price of Mirror is mostly dependent on size of a mirror.	Refer Tender drawing	N

Sl. No.	Title	Page/Clause No.	Queries	REPLY BY GC/KMRC	ADDENDUM (Y OR N)
25	Payment – Interim and Final	GCC, Cl. No. 11.5	Bidder requests the Employer to modify the stipulations of the referred clause whereby all the payments against various certified invoices would be released through some assured mode of instrument and in the event of any delay in making the payment the Employer shall pay interest @ SBI PLR on such delayed payment with interest compounded monthly on the amount unpaid during the period of delay. Please confirm.	Not agreed.	N
26	Sanitary Fixtures & Fittings	BOQ. Schedule-C	In the descriptions of the sanitary & plumbing items, the item codes (manufacturer's item code) against various sanitary/plumbing fixtures like Basin, Taps, urinals etc. are not mentioned. It is to be noted that the unit price of various sanitary/plumbing fittings is dependent on item codes. As such, the bidder requests the employer to mention the color shade, type of materials & item code including name of the manufacturers to identify the specific items.	Refer drawing. BEST PRACTICES IN INDUSTRY TO BE FOLLOWED	N
27	Pumps & other accessories (Electrical / Mechanical items)	BOQ. Schedule-D, Sl. No: 25, Misc. for Water Tank	Bidder requests the Employer to specify the manufacturer name to make it more transparent for the quoting and avoid confusion between bidder's consideration and Employer's requirement during execution.	Refer Cl. No. 1.5 & 1.8 under Section E-01 of Vol 3, Part 2 towards specifications of Fire pump MCC panel & water pump panel, electrical rating against different pumps has been provided for your reference while quoting.	N

Sl. No.	Title	Page/Clause No.	Queries	REPLY BY GC/KMRC	ADDENDUM (Y OR N)
28	Employers Requirement &	GCC, Cl. No. 5.3	While going through the tender document, the bidder finds the reference of "Employer's Requirements", whereas, details of such "Employer's Requirements" is not furnished under the tender document under any volume;	Refer Addendum 3, Sl. No. 8.	Y
	Manufacturer Documents /Operation & Maintenance Manuals		Bidder also does not understand the exact obligation on a/c of "Manufacturer Documents /Operation & Maintenance Manuals". Please provide a list for which the same is required.	Refer Cl. No. 5.7 of GCC (page 35 of 154)	
			The bidder requests the Employer to clarify the above points.		
29	Contract Price & Payment	GCC, Cl. No. 11.1 and clause 11.3	The bidder understands that the instant tender is an item rate contract (percentage rate) based on the BOQ provided by the Employer with the tender document.	GCC clause no 11.3 (i) and 11.3(ii) treated as deleted.	Y
			Whereas in clause 11.3, it is mentioned that "the Price shall be a fixed lump sum Contract Price" and there is also reference of various cost centers.		
			Bidder requests the Employer to clarify the above.		
30	Subsequent Legislation	Sub clause 1.3-Special Condition of Contract	As it is not possible to predict the change in rate of the existing Tax structure during the execution of the contract and include the effect of the probable changes in quoted price, bidder requests Employer to include the "change in rate of existing Tax Structure" also under purview of this clause. The bidder requests to amend the stipulations of the referred clause suitably, whereby the variation in rates of taxes/duties, applicable at the time of tender submission shall also be considered for price adjustment in addition to reimbursement of any new tax, variation of existing tax, introduced after the date of tender submission on production of documentary evidences.Please confirm.	Not agreed.	N

Sl. No.	Title	Page/Clause No.	Queries	REPLY BY GC/KMRC	ADDENDUM (Y OR N)
31	Retention Money	Tender Document-GCC Additional clause 39	Bidder Requests the Employer to modify this clause suitably so that submission of Bank Guarantee equal to 5% of the contract value is allowed in lieu of cash retention for this contract valid upto the DLP date to maintain a neutral cash flow at site.Please confirm.	Not agreed.	N
32	Reinforcement Bar Payment	BOQ. Schedule-E, Sl. No: 7	Bidder understands that all the reinforcement bars provided in the different work items in different locations under this contract shall be paid under the referred item only. Please confirm.	As per BOQ	N
33	Extension of Time for completion	GCC, Cl. No. 8.4.1	Bidder assumes that, during execution, if there is any delay due to other agency working under the same working area, the contractor for this contract would not be responsible for the same. Therefore, suitable time extension shall be granted by the Employer in addition to the stipulated time period. Please confirm.	Not agreed.	N
34	Interest against unpaid Advance	GCC, Cl. No. 11.2.6	Employer will appreciate that the contractor cannot be made liable for any delay due to non-availability of working space, drawings and/or delay due to any interface with the other contractors and this might in turn lead to inadequate invoice value at the end of any month, not sufficient enough to effect the <u>recovery of mobilization advance.</u> Under the above circumstances, the contractor shall not be liable to pay any interest towards delayed recovery of mobilization advance, necessitated due to the above facts. Please confirm.	Not agreed.	N

Sl. No.	Title	Page/Clause No.	Queries	REPLY BY GC/KMRC	ADDENDUM (Y OR N)
35	Program of Work	Sl.No. 54 of SCC (Sub Clause 4.13)	The bidder requests the Employer to amend the station-wise completion schedule of civil/finishing works, whereby the same is pegged at 18 months for all stations, excepting Sec-V station and completion of entire works by 24 months. Please confirm.	Refer Addendum No. 3 (Sl. No. 17) for station wise revised work completion schedule	Y
36	Deployment of Traffic Guards	Preamble to BoQ	The preamble to BOQ stipulates for inclusion of traffic guards in adequate numbers at each of the station locations. But the bidder does not find any relevant item under the BoQ towards this item. As such, the bidder requests for inclusion of an item under the BoQ, whereby the deployment of traffic guards is paid on shift basis through that item.	Not agreed. Refer Clause 3 of NIT, Page 9 of 10	N
37	Permits, Licenses etc.	Sl.No. 19 of Preamble to BoQ	The bidder requests the Employer to clarify the types of licenses to be organized by the Contractor for the works. Further the bidder requests for amendment of the clause(s) suitably, whereby all the requisite licenses, permits, clearances etc. required for the works from the statutory authorities, excepting labour license, VAT registration would be arranged by the Employer. However, the necessary liaisoning in this regard would be done by the contractor. Please confirm.	Not agreed.	N

Sl. No.	Title	Page/Clause No.	Queries	REPLY BY GC/KMRC	ADDENDUM (Y OR N)
38	Quantity Variation	Sl.No. 20 of Preamble to BoQ	The clause spells out as "actual quantities operated may vary as per requirement at site". From this, the bidder understands that the contractor would be paid for the actual quantities, to be executed at site as per the AFC drawings at a rate, accepted under the contract and the variation in quantities would be dealt separately under the relevant provisions of the contract. Please confirm.	Yes	N
39	Completion Certificate / Take over Certificate & Commencement of Defects Liability Period	GCC, Cl. No. 10.1	The Bidder requests the Employer to modify the stipulations of the referred clause whereby the commencement of Defects Liability period is defined as the date of physical completion of work at site not the date of issuance of completion certificate in respect of the works, as these are two separate events. Please confirm.	NOT AGREED .The provision GCC cl 10.1 is in order.	N
40	Resource for the Project Personnel	Vol.1-FOT-FORM T1	For Part –I (CIVIL)-Sl.No.1; Considering the total value of work and the quantum as well as the type of Work, the bidder requests the Employer to allow Graduate Engineer in either of Civil/Electrical/Mechanical Discipline to act as Project Manager for the entire contract package. Similarly the bidder requests the Employer to allow for Graduate/Diploma Civil Engineer with required experience as equivalent for the personnel (Architect) nominated under Sl. No.4 and 7 in Part-I (Civil) List furnished. Bidder also requests Employer to modify the Qualification Requirement furnished in list for PART II (Electrical, VAC and Fire Fighting Works) with Diploma Engineer with requisite years of Experience in respective discipline.	Not agreed.	N

Sl. No.	Title	Page/Clause No.	Queries	REPLY BY GC/KMRC	ADDENDUM (Y OR N)
41	Financial Information	Volume-I / Form of Tender, Page No 19-20/36	In Form C-5, the Employer has advised the Bidder to provide the financial information for previous three years (2012-13, 2013-14, 2014-15), whereas in third paragraph from bottom in the same, (Form C-5) Employer seeks information on audited financial statements for the last five years. Please clarify.	Please refer Addendum 3, Sl. No. 144.	Y
42	POA of Signatory	NIT Page No 2 of 3, Clause 06.(viii).(i)	The Bidder understands that the attested copy of General POA of the Authorized Signatory would serve the purpose. Please confirm.	yes, confirmed	N
43	Affidavit	NIT-Page No 2 of 3, Clause 06.(iv).	The Bidder understands that affidavit on firm's letter head would serve the purpose. Please confirm.	Yes	N
44	Scope of Work for E&M	Vol.1-Page No. 3 of 10. Cl. No. 2.1	Please clarify and/or elaborate the scope of Design and detailed Engineering for the E&M works. Since the itemized BOQ is given, we understand that system design is not the scope of Contractor. Please Confirm.	Engineering for preparation of Detailed Working Drawings & documents etc. for E&M work in totality is under tenderer's scope of work. Please refer Cl. No. 1.1.1 & 1.1.2, E.00 of Vol 3, Part-2. (Refer Addendum 3, Sl. 27) Moreover, itemised BOQ provided for overall guideline of the proposed E&M work.	Y
45	MV SWITCHGEAR (For All Station)	Vol.4-Page No. 1 of 14, Cl no. E.01	Please Provide the SLD of Main Power Control Centre (PCC)-Normal, Main Power Control Centre (EPCC)-Emergency, Main Lighting Distribution Board (MLDB) - Normal and Main Lighting Distribution Board (EMLDB)-Emergency.	A tentative (tenderer's reference purpose) block riser diagram of overall power distribution of elevated station (typical) enclosed with tender documents for necessary referral purposes. Moreover, detailed specification of all major MV switchgear items has been specified under Section No. E-01 of Vol 3, Part 2 for the bidder's reference purposes towards quoting the rate. Contractor has to carryout Engineering for preparation of detailed working drawings & documents etc. for necessary supply & installation purposes of the proposed E&M work [Revised Riser Diagram (R1) enclosed].	Y

Sl. No.	Title	Page/Clause No.	Queries	REPLY BY GC/KMRC	ADDENDUM (Y OR N)
46	Technical Specification of Power factor Correction Panel	Vol.3- Page No. 70a	Please provide the stepping (Stage) of capacitor bank	Refer Sl. No. 1.9 under Section E-01 of Vol 3, Part 2, it is already mentioned in Sl. No. 3(b) that capacitor unit to be selected of 25 KVAR or less, as per requirement.	N
47	Stage Payment against E & M works	Part II (E&M)-Preamble, Page 5 of 5, Cl. No. 21.	<p>The bidder requests the Employer to amend the various stage payments against E&M works as under in lieu of the existing to maintain a neutral cash flow at site;</p> <p>a) Mobilization advance : 10%</p> <p>b) After approval of construction stage drawing : 5%</p> <p>c) For Supply items delivery at site/Contractor's godwon (Except for Conduit/ point wiring shall be 25% after laying of conduit and 40% after laying of wires & associated materials) : 65%</p> <p>d) Payment after completion of installation work against different items of BOQ : 10%</p> <p>e) Payment after successful testing & commissioning : 5 %</p> <p>f) Retention Money: Balance 5% shall be kept for the duration of DLP. However same can be released after commissioning against equivalent amount of BG.Please confirm.</p>	Refer Addendum No. 3, Sl. No. 9.	Y

"Architectural Finishing, Plumbing, Tube well, VAC, Electrical, Fire Fighting Work for 6 Elevated stations including lighting of Viaduct & lighting of TSS/ASS of car depot and RCC Structural roof over platform of Sector-V Station of EAST-WEST Corridor of Kolkata Metro"

4. Bidders Queries received on 13.10.2015 (ITD Cementation India Ltd)

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRCL	Addendum(Y/N)
	Commercial					
1	Eligibility Criteria (Site Mobilisation)	NIT, Cl 06 (vi) , vol- 1, Page - 2 of 3	The tenderer shall have to mobilize all men, machinery and field-testing machinery equipped with apparatus and instrument within 7 days from the date of Work Order.	It is not possible to mobilise all men, machinery and field-testing machinery equipped with apparatus and instrument within 7 days. Site mobilisation takes place in progressive manner. So, Bidder requests to extend the mobilisation time from 7 days to 30 days. Please confirm.	15 days mobilisation period shall be provided. Refer Addendum 3, Sl. No. 19.	Y
2	Scope of Design .	NIT, Cl 2.1 , vol- 1, Page - 4 of 10	scope of Work: Design, detail engineering , Supply, installation, Testing & Commissioning (including integrated Testing & commissioning) of E&M, Fire Fighting, & vac Dervice, Archetectural Finishing and Plumbing works for six Elevated stations, Lightings & its associateed electrical- Viaduct, Lighting & fire service- TSS/ASS of car Depot & RCC Structura;l roof of sector -V station building- East west corridor of kolkata metro	Bidder Understand that, the scope of design & drawings for all items under KMRCL, which will be supply by KMRCL to the contractor AFTER AWARD OF WORK . This tender has been called only for execution of itmes as per the given BOQ. PLEASE CONFIRM	Engineering for preparation of detailed working drawings with Technical documents etc. for E&M works i.e Electrical, VAC , Fire Fighting System etc. for Elevated Stations (6Nos.) along with Via-duct and ASS/TSS. Please refer Cl. No. 1.1.1 & 1.1.2 of the scope of work under Vol. 3 Part-2 (Refer Addendum 3, Sl. No. 27)	Y
3	Commencement of Defects Liability Period	ITT, Cl 1.2(c), vol- 1, Page -4 of 26	"Defects Liability Period" (Appendix-1 of FOT) 18 months from the date of issue of "Completion Certificate"	Actual completion date & date of issue of "Completion Certificate" may not be same. Generally certificates are issued after few days of actual completion. That's why Bidder requests to modify the same as "Defects Liability Period" (Appendix-1 of FOT) 18 months from the completion date of issue of mentioned in Completion Certificate" . Please confirm.	Not agreed. Refer Addendum 3, Sl. No. 97.	Y

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRLC	Addendum(Y/N)
4	CV of Key Personnel.	ITT, Cl 2.2.3, vol- 1, Page -6 of 26	The tenderer shall submit with his Tender the CV of his proposed staff who satisfy the minimum experience of key professional staff.....	Bidder requests to accept the CV of their existing/regular staff only (as stipulated in cl. 4.2.2 (b) of ITT). It is very difficult for any company to make a pre-tender agreement with any outsider candidate for joining the company based on tender result. Moreover there will be no reference of the Bidder in the present CV of any outsider candidate. So Bidder request to accept the undertaking of satisfying the minimum key personnel requirement without any agreement. Please confirm.	Not agreed.	N
5	Submission of Design Proposal along with Tender.	ITT, Cl 4.2.2 (e) (vii), vol- 1, Page -14 of 26	The proposed Design submission programme submitted at the time of tender shall be modified and developed as necessary to incorporate the Employer's programme requirement in respect to review by employer and the Engineer .	Bidder understand that Design is not in the scope of contractor, hence no submittal is required for design. Please confirm	Engineering for Preparation of Detailed Working Drawings & Documents of Entire E&M system is under Contractor's scope of work. (Refer Scope of Work under Sl.No 1.1.1 & 1.1.2 of Section E.00 of Vol-3 Part-2).	N
6	Service Tax	ITT, Cl 4.2.3 (b), vol- 1, Page -15 of 26 & cl. 5.17 of pg- 16 of 26	The price should include all cost associated with the contract including taxes, duties, VAT, Works Contract Tax, Octroi, levies and other charge payable to any authority, as prevalent on the date of submission of tender for execution and completion of Works as per contract. Tenderer are requested to study relevant provision of finance Act, 2005 regarding applicability of service Tax along with connected circular and instructions in the matter issued by Ministry of Finance, Department of Revenue and submit his offer accordingly.	Bidder understand that Service Tax is not applicable for the Metro Construction. Please confirm. Bidder also seek clarification whether, KMRLC will reimburse the fees , if any to be paid by contractor to the local authority or not.	It is works tender only; hence Service Tax is not payable for Works Contract.	N
7	Indemnity Insurance	Appendix -1, point -7, vol- 1, PG- 5 OF 36	Value of Tenderers Professional: Indemnity insurance (GCC SUB-CLAUSE 15.1) in case of Part II (E&M) for design & drawings- 5% of contract value for Part -II(E&M)	Bidder understand as design is not in the scope of bidder, Hence this clause will not be applicable for this contract. Please confirm.	Not agreed.	N

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRCL	Addendum(Y/N)
8	Scope of Design	FOT - Form of tender, para 1, Page 3 of 36	Having inspected the Site, examined the Employer's Requirements, General Conditions of Contract, Special Conditions of Contract, Employer's Requirements (General and Particular Specifications), Tender Drawings and Instruction to Tenderers including Pricing Document, and addenda thereto (if any) issued by the KMRCL for the supply, installation, testing and commissioning of the above-mentioned Works, and the matters set out in Appendix 1 hereto, and referring Form A, Appendix 1, Form B, C-1A, C-2, C-2A, C-2B, C-3, C-3A, C-4, C-5, C- 6, Form T-I, II, Iii, IV & V, Annexure A, B, C, D, E, F & F-A offer to design , construct and complete the whole of the said Works and Commissioning and remedying any defects therein, in conformity with the above documents within the completion period as specified in Appendix IA to this Form of Tender for the fixed lump sum price stated in the Pricing Document as completed by us and appended hereto.	Please confirm that design is not under the scope of this Contract.	Engineering for preparation of Detailed Working Drawings with Technical documents etc. for E&M works.i.e Electrical, VAC , Fire Fighting System etc. for Elevated Stations (6Nos.) along with Via-duct and ASS/TSS shall be under the scope of this Contract. Please refer Cl. No. 1.1.1 & 1.1.2 of the scope of work under Vol. 3 Part-2. Refer Addendum 3, Sl. No. 27.	Y

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRL	Addendum(Y/N)
9	Liquidated Damages for delay	Appendix -1, point -4, vol- 1, PG- 5 OF 36	Liquidated Damages (GCC : Sub-Clause 8.5 & SCC Clauses 23 & 23A) of delay for the Key Dates of Works other than the one relating to taking over on completion of entire Works.	<p>i) SCC Clause 23A does not exist. Please clarify</p> <p>ii) SCC Clause 23 is not related to Liquidated Damages. Bidder understands the corrected SCC Clause would be 22 instead of 23. Please confirm</p> <p>iii) The said clause says that LD related to taking over of entire works is not included in maximum limit of 10%. But from the relevant clauses in vol 1 & 2, bidder understands that total ceiling limit of the liquidated damages for (a) key dates of work, (b) the sums payable by the Employer to the Designated Contractor which sums shall be recovered from the Contractor and (c) liquidated damages relating to taking over of entire works shall be 10% of the Total Contract Value (i.e. total LD on all accounts under this Contract shall not exceed 10% of total Contract Value). PLEASE CONFIRM</p>	Refer Addendum 3, Sl. No. 21.	Y
10	Defect Liability Period/Perion of Maintenance	Appendix -1, point -12, vol- 1, PG- 5 OF 36	Period of maintenance from the date of issue of "Completion certificate" 12 months	This clause says "Period of maintenance from the date of issue of "Completion certificate" 12 months ". Whereas Clause ITT 1.2(c) syas the same is 18 months from the date of issue of "Completion certificate" 12 months". Please confirm which one is to be considered by the Bidders.	Refer Addendum 3, Sl. No. 24.	Y

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRL	Addendum(Y/N)
11	RMC/Batching Plant	Form of Tenders, Form T- v, of Vol- 1, Pg- 27 of 36	Minimum number of equipment to be deploy: Batching Plant contractor is encourage. However if contractor wishes to use RMC, dedicated RMC plant has to be made and that plant shall not produce any other concrete during the period of supply to this work.	As the quantity of concrete is very low, only 6500 cum, in a period of 24 months , it is very difficult to provide any Batching plant as well as dedicated plant from any RMC suppliers. So bidder request to allowed the RMC from commercial RMC plant only. But contractor have to ensure the quality & strength of the concrete. Bidder also request to allowed the site mix concrete for non structural concrete (PCC) at site only.	Refer Addendum 2, Sl. No. 33.	Y
12	Transit Mixture, Concrete Pump, Lifting equipment	Form of Tenders, Form T- v, of Vol- 1, Pg- 27 of 36	b) Concrete -Pump/Placer - 1 nos, c)Transit Mixtutr- 3 nos., f)Lifting arrangement of shuttering - 1 nos.	Bidder request to delete these item from minimum requirment plant list as this items are not relevents for this contract for Finishing work mainly.	Not agreed.	N
13	Deployment of Architect	Form of Tenders, Annexure -D, of Vol- 1, Pg- 31 of 36	3) Senior Architect-Bachelors in Architecture- Minimum 10 years of experience of similar type of work experience with having good exposure in big project work. Minimum total experience 15 years. 4) Quality Assurance (QA)- In-Charge- Bachelors in Architecture-Minimum 3 yrs. in QA (field) and out of which two years as In-Charge. 7) Architect-Bachelors in Architecture- Minimum 5 years exprience in the relevent field.	Bidder reuest to allowed the Civil engineers alternatly in place of Architect, as most of the construction company use civil engineers for Finishing work. Architect mostly work at back office. Bidder also request to allowe the Diploma engineers with minimum 7-10 years of exprience for the relevent fields. Please confirm.	Not agreed.	N
14	Sub-Contractors	SCC- CL. 2, SUB-CLAUSE -4.5- vol -2, pg- 81 of 154	Para 5: A copy of the contract between the Contractor and Sub-Contractor shall be given to the Engineer within 15 days of signing and in any case 7 days before the Sub-Contractor starts the Work and thereafter the Contractor shall not carry out any modification without the consent in writing of the Engineer.	Bidder requests to allow the Contractor to submit a copy of unpriced contract/work order entered into between the Contractor and Sub-Contractor. Please confirm	Not agreed.	N

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRL	Addendum(Y/N)
15	Extension of Time for Unforeseeable Physical Condition	SCC- CL. 10, SUB-CLAUSE -4.23- vol -2, pg- 86 of 154	The Engineer shall also assess the delay due to the unforeseen physical conditions encountered in accordance with the provision of GCC Sub-Clause 8.4 as amended by SCC Clause 22A	SCC Clause 22A not found in the Tender Documents - Please clarify	Refer Addendum 3, Sl. No. 26.	Y
16	Programme	SCC- CL. 6, SUB-CLAUSE -4.13- vol -2, pg- 82 of 154	In addition to the provisions of Clause 4.13 of the General Conditions of Contract, the Works Programme, Design Submission Programme and other documents specified in the Employer's Requirements shall be submitted within the period stipulated therein. The Works Programme, Design Submission Programme and any other document submitted as per requirements of the Tender documents along with the Tender shall not in any event be construed as a submission of the Programme under Employer's Requirements.	Bidder understand that as design is not under their scope of work, subliision of Design Submission Programme will also not be part of their work. Please confirm	Design submission programme not required. Refer Addendum 3, Sl. No. 229.	Y
17	Contractor Management Team	SCC- CL. 17, SUB-CLAUSE -6.9- vol -2, pg- 89 of 154	Within 14 days of the commencement of the Contract, the Contractor shall submit to the Engineer a list of staff with all necessary details which comprised the Team referred to in sub-clause (1) of this Clause. The Contractor shall provide documentary proof on the employment status of the staff on the Team, such as employment contracts, tax returns, payment of salaries and the like upon request by the Engineer. The employment terms for the staff on the Team shall include a "consent to disclosure" clause in accordance with the data.	Bidder request to remove this clause as the Staff salary, income tax return are the personal documents which will not be shared with anyone. Bidder will give undertaking for fulfilment of requirement only. Please confirm	Refer Addendum 3, Sl. No. 233.	Y

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRLC	Addendum(Y/N)
18	statutory requirement	SCC- CL. 20, SUB- CLAUSE -7.11.5, vol -2, PG -91 OF 154	The Design and Construction Standards to be adopted by the Contractor shall be in conformity with the requirements of "Rules for Opening of a Railway or a Section of a Railway for Public Carriage of Passengers" and to the satisfaction of the Commissioner of Railway Safety whose sanction is mandatory for commissioning of the System.	As design is not in the scope of contractor, please remove the word "DESIGN"	Engineering for preparation of Detailed Working Drawings of E&M works is under scope of Contractor.	N
19	Consequences of Suspension	SCC- CL. 23, SUB- CLAUSE -8.8, vol -2, PG - 92 OF 154	GCC Clause 8.8 shall be deleted and replaced by SCC 52.	SCC 52 is not related to Contract/Work Suspension. Bidder understands that it would be corrected as SCC 46. Please confirm.	Confirmed. Refer Addendum No. 3, Sl. No. 10.	Y
20	Defect Liability Period	SCC- CL. 25, SUB- CLAUSE -10.1, vol -2, PG - 92 OF 154	The Defects Liability Period shall be 24 months from the date of issue of Taking Over Certificate for each Phase of the Works.	As per Appendix -1, point -12, vol- 1, PG- 5 OF 36, "Period of maintenance from the date of issue of "Completion certificate" 12 months " and as per Clause ITT 1.2(c), the same is 18 months from the date of issue of "Completion certificate" 12 months". Whereas this clause stipulates defect liability period of 24 months . Please confirm which one is to be considered by the Bidders.	Refer Addendum 3, Sl. No. 97.	Y
21	Value Engineering for Variations	SCC- CL. 31, SUB- CLAUSE -12.3, vol -2, PG - 93 OF 154	Deleted	(i) Bidder understands that GCC clauses 12.3, 12.3.1, 12.3.2, 12.3.3, 12.3.4 & 12.3.5 all are deleted. Please confirm. (ii) Bidder also understands that variations in quantity of BOQ items are covered under GCC clause 12.4 (a to f) and any additional items (not included in BOQ) are covered under 12.4(g). Please confirm.	Yes	N
22	Retention Money	SCC- CL. 39, - vol -2, pg- 95 Of 154	Retention money equal to 5 percent of the amount due to the Contractor from each on account payment will be retained, so as to maintain a reserve in the hands of the Employer equal to 5 percent of the Contract Price.	Bidder request to allow the retention money in form of Bank Guarantee instate of Cash deduction. The BG will valid up to DLP. PLEASE CONFIRM	No Retention Money. Refer Addendum 3, Sl. No. 23.	Y

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRL	Addendum(Y/N)
23	Change in rate of any existing tax	SCC- CL. 48, - vol -2, pg-100 Of 154	3rd Para: However change in the rate of any existing tax will not be considered a Change in Law. Any risk of change of tax rate whatsoever related to the work lies with the Contractor.	Generally, bidders submit their bid considering rates of taxes & duties prevailing on the bid submission date. If any upward change in rate of existing taxes during execution period takes place it would be an additional cost to the contractor. So, Bidder requests to consider any change in rate of existing taxes and duties as Change in Law.	Not agreed.	N
24	Liquidated Damages for non-achievement of Milestones	SCC- CL. 54, - vol -2, pg-102 Of 154	Liquidated Damages for not achieving milestones will be levied separately and it shall be Rs 10,000/- per day for each milestone mentioned above, Contractor is in default, subject to a maximum of 10% of the particular milestone/portion of works only.	This clause says LD for non-achievement of milestones is Rs 10,000/- per day for each milestone whereas, it is stipulated at sl. No. 4 of Appendix 1 that the same will be @ 0.5% of total contract value of works for each work or part of work. Please confirm which one is applicable for this contract.	Refer Addendum 3, Sl. No. 21.	Y
25	Scope of Design	SCC- Schedule 1 - Contract Agreement - vol -2, pg-122 Of 154	Last Para: • and has offered a tender for the Design, Detailed Engineering , Supply, installation, Testing & Commissioning (including Integrated Testing & Commissioning) of E&M, Fire Detection, Alarm & Suppression System and VAC Services for Six (6) Elevated Stations (Salt Lake Stadium, Bengal Chemical, City Centre, Central Park, Karunamoyee & Salt Lake Sector-V); Lighting & its Associated Electrics — Viaduct; Fire Services, Ventilation & Lighting — TSS/ASS of Car Depot, East West Corridor of Kolkata Metro.	From the nature of Contract, bidder understands that Design & Detailed Engineering are not under Scontractor's scope of works. Therefor bidder requests to remove "Design, Detailed Engineering" from scope of work.	Engineering for preparation of detailed working drawings with Technical documents etc. for E&M works.i.e Electrical, VAC , Fire Fighting System etc. for Elevated Stations (6Nos.) along with Via-duct and ASS/TSS.Please refer Cl. No. 1.1.1 & 1.1.2 of the scope of work under Vol. 3 Part-2	N

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRL	Addendum(Y/N)
26	Scope of Design	SCC- Schedule 1 - Contract Agreement - Clause 1 - vol -2, pg-123 Of 154	KMRCL agrees to hire and the Contractor agrees to be hired to implement the design and construction of the Works Contract under the terms and conditions specified in this Contract Agreement and the other Contract Documents attached hereto as follows:	- do -	Engineering for preparation of detailed working drawings with Technical documents etc. for E&M worksi.e Electrical, VAC , Fire Fighting System etc. for Elevated Stations (6Nos.) along with Via-duct and ASS/TSS.Please refer Cl. No. 1.1.1 & 1.1.2 of the scope of work under Vol. 3 Part-2	N
27	Scope of Design	SCC- Schedule 1 - Contract Agreement - Clause 2 - vol -2, pg-123 Of 154	The Contractor agrees, subject to the terms and conditions of the Contract Documents, to perform efficiently and faithfully all of the work and to design and construct the facilities and furnish all of the equipment and materials described in the Contract Documents and to supply or provide all equipment, materials, labour and other facilities requisite for or incidental to the successful completion of the Works including the defect liability period and in carrying out all duties and obligations imposed by the Contract Documents.	- do -	Engineering for preparation of detailed working drawings with Technical documents etc. for E&M worksi.e Electrical, VAC , Fire Fighting System etc. for Elevated Stations (6Nos.) along with Via-duct and ASS/TSS.Please refer Cl. No. 1.1.1 & 1.1.2 of the scope of work under Vol. 3 Part-2	N
28	Scope of Design	SCC- Schedule 5 - Contractor's Warranty - Cl 1(a) - vol -2, pg-137 Of 154	he will design , execute, complete, test and commission (including Integrated Testing and Commissioning) and remedy any defect in the Works in accordance with the terms of the Contract; and	- do -	Engineering for preparation of detailed working drawings with Technical documents etc. for E&M worksi.e Electrical, VAC , Fire Fighting System etc. for Elevated Stations (6Nos.) along with Via-duct and ASS/TSS.Please refer Cl. No. 1.1.1 & 1.1.2 of the scope of work under Vol. 3 Part-2	N
29	Designer's Warranty	SCC- Schedule 6 - Designer's Warranty - vol -2, pg-141 Of 154	FORM OF DESIGNER'S WARRANTY	Is it applicable for this Contract? Please confirm	Refer Addendum 3, Sl. No. 176.	Y

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRL	Addendum(Y/N)
30	Definition of "Contractor's Proposal"	GCC- CL. 1.1.1.5, vol -2, PG - 8 OF 154	" Contractor's Proposal " means the proposal submitted by the Contractor with the Tender, as modified and accepted by the Employer and included in the Contract. Such documents may include the Contractor's preliminary design.	Last line i.e. " <i>Such documents may include the Contractor's preliminary design.</i> " may please be deleted, as Bidder understands that design for permanent works are not under Contractor's scope of work.	This means engineering for preparation of Detailed drawings.	N
31	Definition of "Tender"	GCC- CL. 1.1.1.15, vol -2, PG - 9 OF 154	" Tender " means the Contractor's priced offer to the Employer for the designing , execution, manufacture, and completion of the whole of Works, testing and commissioning (including Integrated Testing and Commissioning) and remedying of any defects therein, as accepted by the Letter of Acceptance.	The word " designing " may please be deleted, as Bidder understands that design for permanent works are not under Contractor's scope of work.	The word Design means engineering for preparation of detailed working drawing.	N
32	Facilities for and Coordination with Others	GCC- CL. 4.4(g), vol -2, PG - 22 OF 154	<p>(g) If the Contractor shall suffer delay by reason of failure by any Designated Contractor to meet the specified installation interfacing and co-ordination, completion dates, which delay shall be caused otherwise than by fault of the Contractor, or, if compliance with Sub-Clause (f) herein shall involve the Contractor in delay beyond that which could be reasonably foreseen by an experienced Contractor at the time of tender, then the Engineer shall take such delay into account in determining any extension of time to which the Contractor is entitled under the Contract.</p> <p>Last Para: If any act or omission of the Contractor whether directly or indirectly results in the delay in the execution of the works of a Designated Contractor, the Contractor, in addition to his liability in respect of liquidated damages if they become due, shall pay to the Employer, or the Engineer may deduct from Interim Payment Certificates such amount as the Engineer shall have certified in respect of additional payments or costs to the Designated Contractor in respect of such delay.</p>	<p>As per sl. No . (g), if Contractor suffers delay due to fault/failure of Designated Contractor then completion time will be adjusted only. No monetary adjustment/compensation is mentioned. Whereas as per the last para, if a Designated Conctactor suffers delay due to fault of Contractor then contractor is liable to pay monetary compensation.</p> <p>Bidder requests to make parity between these two Para/ cases.</p>	Not agreed.	N

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRL	Addendum(Y/N)
33	Extension of Time for inclement weather conditions	GCC- CL. 8.4(c), vol -2, PG -45 OF 154	However, the Contractor shall not be entitled to any extension of time where the instructions or acts of the Employer or the Engineer are necessitated by or intended to cure any default of or breach of Contract by the Contractor or where any delay is due to (a) the failure of Sub-Contractor, to commence or to carry out work in due time, (b) non-availability, or shortage of Contractor's equipment, labour, utility services, Plant and Materials, (c) inclement weather conditions, and	As inclement weather conditions can't be foreseen beforehand, bidder requests not to exclude this from entitlement of extension of time.	Not agreed.	N
34	Monthly Payment of RA Bills	GCC- CL. 11.3, vol - 2, PG -53 OF 154	The fixed Lump Sum Price shall be apportioned by the Contractor amongst the various Cost Centres. The amount thus apportioned under each Cost Centre will be further detailed amongst various items. The Contractor shall be entitled to submit to the Engineer requests for interim payments only upon the achievement of one or more of the Milestones described in the Cost Centre.	Bidder understand ,as this contract is an item rate contract, every measured item will be paid on month basis after certification. Please confirm.	Refer Addendum 3, Sl. No. 7	Y
35	Monthly Payment of RA Bills	GCC- CL. 11.5(a), vol - 2, PG -54 OF 154	After preliminary scrutiny and certification by the Engineer, payment of 80% of the certified interim amount shall be made by the Employer within 14 days. The amount certified shall account for all deductions, including statutory deductions, recoveries for advances and any amounts due from the Contractor. The balance 20% shall be paid within 28 days, from the date of the preliminary certification of the bill by the Engineer.	Bidder request to release 80% of the bill value after 14 days of submission of bills & balance 20% after 28days from the date of preliminary certification by the Engineer.	Not agreed.	N
36	Variation in the Bill of Quantities	GCC- CL. 12.4g(V), vol - 2, PG -63 OF 154	V) An amount of 20% of items (a), (b), (c) and (d) above to allow for Contractor's overheads, taxes and profits. This percentage shall also estimated cost of Materials supplied free to the Contractor.	Bidder understand that (a), (b), (c) and (d) will be replaced with (I), (II), (III) and (IV). Please confirm	Yes, Addendum No. 3 (Sl. No. 29) issued.	Y

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRL	Addendum(Y/N)
	Technical					
37	PT work	BOQ LECTURER HALL ITEM NO. -90- NS -21	Providing, Supplying & laying/installation of high tensile prestressing strand of grade of approved make, as per technical specifications, design considerations of relevant codes and approved by structural consultants/Engineer. Also, providing, supplying and fixing post tensioning Anchorages, GI Ducts, Wedges with consumables, Ducts, Anchor Blocks and wedges including platform for stressing & grouting cement (43 grade OPC) for grouting of tendons (after approval of elongation results) with specialised equipments, supplying & fixing of bursting link, chair bars for tendon supports as per technical specifications & approval of Engineer, marking the red colour strips below the soffit of slab and beam with approved paint wherever tendon is provided in PT slab and PT beam.	Bidder request to provide the layout drawing for PT work to understand the work. Bidder also request to change the unit from SQM to M.T. As normally this item measure in M.T.. Please confirm.	Not relevant to this contract	N
38	ACOUSTCAL DOORS	BOQ LECTURER HALL ITEM NO. -101- NS -24	ACOUSTICAL LINING WITH Pheriferal sill,top seal drop seal WITH ALL hard ares as shown in drawing.	Bidder request to PROVIDE THE DETAIL DRAWING OF THE DOOR TO GET THE OFFER FROM VENDORS	Not relevant to this contract	
39	ACOUSTCAL BAND	BOQ LECTURER HALL ITEM NO. -114- NS -24	Acoustic Treatment for Mid & High Frequency Absorption for both Side & Back Wall: Providing and Installing in position, mid & high frequency absorption panels with a stretched fibre on the top of it, Acoustic 0.9 (NRC), FR grade NRC fabric (colour choice) wrapped around the acoustical panel, installed by using a gripper system. Panels of the designs and colors mentioned in the drawings are to be	Bidder request to PROVIDE THE VENDOR OF THIS ITEM	Not relevant to this contract	
40	PEB Work	BOQ BOYS HOSTEL ITEM NO. -111- NS -43	Designing, Providing, fabricating, assembly, erection and fixing of tubular space frame structure in position using members and node connectors, based on the following specifications and as directed.	Bidder request to provide the detail layout drawing for Design PEB structure.Please provide the drawings in AUTO CADD format which is require of PEB vendors.	Not relevant to this contract	

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRCL	Addendum(Y/N)
41	Factory Acceptance Tests (FAT)	General		(i) It is presumed that all the major equipment's will be subject to Factory Acceptance Tests (FAT) prior to despatch of the same – Please Confirm. (ii) If Yes, Factory Acceptance Tests (FAT) procedure needs to be approved– Please Confirm.	Yes. Methodology of procedure of FAT needs to be approved at the time of execution of contract	N
42	Approved Make	General		5. It is presumed that List of makes given in tender is for guidance only, however bidder will be allowed to use alternative equivalent makes subjected to approval of KMRCL –Please Confirm.	Bidder has to follow list of approved make strictly as specified in this tender. However, if they found that the delivery period is too long and technical requirement not matching, then they should approach the engineer / KMRCL for selection of new vendor for necessary approval of vendor make.	N
	<u>ELECTRICAL</u>					
43	UPS Installation	Electricalspecification, page -28 sub head -UPS SYSTEM	This section includes specifications and description of requirements of 3 phase uninterruptible supply (UPS) for providing high quality A.C. power for Computers, Servers & lighting loads	Bidder understood that the UPS to be installed are not in parallel redundant mode. Please confirm.	The UPS panel required for E&M works shall be supplied by some other agency. But the scope of work of this contract is to install the panel along with cable laying & its termination with necessary testing & commissioning.	N
44	Distribution Board	Electricalspecification, page -4 sub head -distribution board	The distribution boards shall generally be as per panel specifications above. All DB's shall be MCB type suitable for concealed/surface installation. DB's shall be ready-made vertical type with hinged secured front covers, with double door arrangement, top and bottom knockouts, earthing studs & circuit marking provisions. Top & bottom plates shall be removable with necessary gaskets.	1) Please confirm the thickness of Electrical Distribution Board enclosure. 2) Bidder understand that all the DBs are Standard DBs. Not prewired type. Please confirm.	All standard MCB Distribution Board of make specified under List of approved vendors specified under Cl. No. 1.5 of Technical specification ofVol. 3 Part-2 . In general , thickness of CRCA Sheet shall be min. 1.6mm.	N

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRL	Addendum(Y/N)
45	Additional Vendors	Approved Make List, Page 10, Electrical Items		Bidder request to add the following in the approved make list of electrical works: 1) copper wire(ZHLS) - M/s Glostar 2) PVC trunking - M/s Obo Bettermann 3) Panel Manufacturer - M/s Electro Allied Product	No other new vendor can be generally incorporated under approved List of vendor at this stage. However, refer Sl. No 42 above for guidance.	N
46	UPS Installation			All UPS (uninterruptible power supply) is presently not in the scope of this tender – Please Confirm.	In regards to UPS Installation, please refer Sl.No 43 above.	N
47	Power supply to Main Control Panel			It is presumed that power supply to Main Power control panel from HT Panel is not in the scope of this tender - Please Confirm.	For Incoming power supply cable to Main Power Distribution Board (LT), from Secondary side of 33KV/433V Transformer; refer Cl. No.1 - Scope of Work under Vol. 3 Part-2.	N
48	Redundancy Power Supply			It is also presumed that necessary redundancy power supply has been considered in this tender – Please confirm.	The scope of work of UPS starts from UPS Panel to different areas as shown in enclosed Power Distribution Riser Diagram. Refer Addendum 3, Sl. No. 92.	N
49	Essential Services			Technical Specification does not specify the list of emergency and essential service.	In regards to essential services, please refer scope of work under Cl. No 1.1 of Vol. 3, Part-2 for details.	N
50	E&M Scope	clause 1:1:2.		Present scope of E& M bidder is restricted to list of distribution board highlighted. Please confirm	The type of MCB distribution Board as specified under BOQ having SL.No E-02.	N
51	Criteria for Main Power Control Centre	Clause 1:6:2		Clause 1:6:2 is basic criteria is applicable for Main Power Control Centre only – Please Confirm.	Main Power Control Centre is having Cl. No 1.1 of Section E-01 and not 1.6.2 as specified by you. Refer Annexure-1 (Electrical) for overall requirements of MV Switchgears.	N

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRLC	Addendum(Y/N)
52	EMC			Please provide the list of equipment's need to be EMC complied conforming to EN 55081.	Please refer our Technical Specification Vol.3 (Part-2) for details.	N
53	DG panel			Please confirm DG panel and Emergency panel will have ATS to facilitate the transfer of power.	Auto Transfer Switch needs to be provided under Main Emergency Panel to facilitate Transfer of Power. Refer Cl. No. 1.2, Sec E.01, Vol 3, Part-2.	N
	Fire Fighting					
54	fire Fighting pumps	fire fighting specification, page 14, sub head -pump	The fire pump shall be horizontally mounted single-stage centrifugal type. It shall have a capacity to deliver required discharge & adequate head so as to ensure a minimum pressure of 3.5 Kg/ Sq.cm at the highest and the farthest hydrant valve. The pump shall be capable of giving a discharge of not less than 150 per cent of the rated discharge, at a head of not less than 65 percent of the rated head.The shut off head shall be within 110 (min) to 120 (max) percent of the rated head	Bidder request to provide the operating head of pump.	Contractor to finalise during detailed working drawing of Fire-fighting system.	N
55	fire Fighting piping fittings	fire fighting specification, page 2, sub head -piping	Pipes of following types are to be used; M.S. pipes as per IS: 1239 heavy grade (for pipes, of sizes 150mm N.B. and below) suitably lagged on the outside to prevent soil corrosion.	Please confirm the fittings to be used for Fire fighting pipes for below 50 mm dia is MS weld able types.	For below 50mm dia of MS pipe for Fire Fighting can be weldable type. However the same to be finalised by the contractor during detail Enginneering Stage.	N
56	Additional Vendors	Approved Make List, Page 15, Fire fighting items		Bidder request to add the following in the approved make list of Fire fighting works: 1) Heavy duty class "c" pipe - M/s Surya prakash 2) Fire fighting Pump - M/s Mather & Platt 3) Panel Manufacturer - M/s Electro Allied Product	Refer answers to your queries under Sl.No 45	N

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRL	Addendum(Y/N)
57	Additional Vendors	Approved Make List, LIFT		Bidder request to add the following in the approved make list of LIFT MANUFACTURER: - M/s Thyssenkrupp, M/s ESSCON, MUMBAI	This is not applicable under this Tenderer scope of work.	N
58	Fire Sealant			All fire sealant is presently not in the scope of E&M tenderer. Please Confirm	In regards to hermetically sealing, specified under Technical Specification, Vol 3, Part-2.	N
	HVAC					
59	General			Units shall be charged with manufacturer recommended refrigerant as per standard industry practice. Please confirm	Yes, refer approved list of Vendor under Clause No. 1.5 of Vol-3 (Part-2).	N
60	General			Balancing of fans Statically/Dynamically shall be as per manufacturer standards. Please clarify.	Yes, refer above Sl. No. 59 and Clause No. 1.8 of Vol-3 (VAC Service)	N
61	General			We request you to clarify the area for which axial fans noise level is restricted to 55dbA at 1 meter distance.	Confirmed. Refer Technical Specification Vol-3 (VAC Service), Clause No. 2.4.	N
62	General			Maintaining 55dbA noise level at 1 meter distance for Axial fan is practically not possible, please check & confirm.	Using Fan Silencer, refer Clause No. 2.4(d), Vol-3 (VAC Service) and as per IS : 3588.	N
63	General			We request you to give flexibility of assembling fans on site in order to minimize damage while transportation.	Agreed.	N
64	General			It is standard practice to measure the propeller fan noise level at 3 meter distance instead of 1 meter, please accept & confirm.	For propeller fan noise level shall not exceed 70 dB at a distance of 1 meter (Refer Clause No. 2.7, Vol-3 - VAC Service).	N

Sl. No.	Title	Page/Clause No.	Description	Bidders Queries	Reply of KMRL	Addendum(Y/N)
65	General			We request you to consider National/International makes of equivalent specification & standards in approved make list.	Contract condition shall prevail	N
66	Drawings			Please provide the schematic & single line diagram of the electrical distribution system as mentioned in the BOQ.	Refer Addendum 3, Sl. No. 92	Y
67	Under floor trunking	Volume -4 BOQ, Part - II,	Supply, installation, anti testing of 3-compartment raceway of approximate size 275mm (W) x 75mm (H) fabricated from 2 mm thick galvanized steel, treated for rust free & anticorrosion treatment, with minimum coating as per relevant 1.3.. and painted as per approved shade. The raceway shall be provided with openable hinged cover (s) and in 2.5m to 3.0 meter pieces. The overhead raceway is provided to fix the Light Fittings continuously on the platforms.	In the BOQ description, the vertical access box, junction & cross over box, are not mentioned in the BOQ. Bidder understood the same are not required. Please confirm.	Refer 4.0, 4.1 & Notes under E.04 of BOQ. All associated accessories required for complete installation of Raceway need to be considered for completeness in totality without any price Implication.	N
68	Ceiling Fan	Volume -4 BOQ, Part - II,	Supply and installations of 230 V single phase, 1400 mm sweep ceiling fans with electronic regulators including all standard accessories complete, mounting of regulator on grid plate & MS BOX etc. and suitable length down rod, duly painted, riot exceeding minimum fan height of 2.4 m from floor as required and as below.	Please confirm the nos. of steps for the electronic regulators.	The electronic regulator is very much a Standard Product of any reputed make as per list of Vendor's name provided under Sl. No. 1.5 of Technical Specification, Vol-3 (Electrical Service)	N
	<u>Fire Detection & Alarm System</u>					
69	Fire Alarm Panel			Please mention the number of loops to be required for the Fire alarm panels	The Contractor to prepare Fire Alarm Layout & Schematic During preparation of detailed working drawings.	N