

## Noida Metro Rail Corporation

**Open Tender Ref: Design, engineering, manufacture, supply, Installation, testing and commissioning of, 630KVA, 33KV/415V Compact Substation, Cabling and other accessories to be installed, its integration with Existing NMRC SCADA at NMRC stations KP-II, Pari Chowk.**

E-tender No. NMRC/PD/CSS/309/2024

Date: 18.03.2024

**Pre-bid Meeting: March 11, 2024 at the NMRC conference room Noida Metro Rail Corporation Ltd. Ganga Shopping Complex, Sec-29, Noida-201301**

SN	Clause No. RFP	Clarification Requested	Existing Provision Within RFP	Clarification/Amended by NMRC
1	<p><b>Bidder-1 M/S Siemens Limited</b></p> <p>6. Section 6: Codes &amp; standards  <b>TECHNICAL SPECIFICATION OF 630KVA, 33KV/415V Compact Substation</b></p> <p>12.1.1 General Requirements:                      12.1.3 Training</p>	<p>Supply of 33KV CSS Enclosure with RMU + Trafo + LV ACB shall be as per Clarifications / Deviations listed below and enclosed Scope of Supply (BOQ/BOM),                      CSS Installation, Erection, Testing, Supervision, Commissioning &amp; training is not in our scope. However, we will depute our engineer at site for supervision activities of ETC on chargeable basis, if needed.</p> <p><b>External Cables, lugs and cable glands, Earthing are not considered in our scope.</b></p>	<p>1. Intent of specification</p> <p>This specification is intended to cover Design, engineering, manufacture, supply, installation, testing &amp; commissioning of Fully Type tested as per relevant standard, Outdoor, Plinth Mounted, Compact Substation of 33KV/415 Volts, equipped with dry type 630 KVA Cast Resin Trans-former 3 way 33 KV Ring Main Unit consisting of 3 Nos: 33 KV SF6 Insulated Vacuum Circuit Breaker for 630KVA CSS, HT Metering in transformer feeder (CT, PT &amp; Energy Meter as per PVMNL specifications), RTU/RIO &amp; with LT Air Circuit Breaker, MCCB, LT metering arrangement, as secondary side complete as per standard &amp; technical data sheet.</p>	<p>Please follow RFP conditions</p> <p>It includes Design, Engineering, supply, installation, testing &amp; Commissioning of Cable Differential Relay, Clean agent based Gas flooding system, Auxiliary AC/DC supply, Compact sub-station Protection grading with existing NMRC ring network, Castel Key arrangement &amp; any other component or material required to make the installation complete &amp; operable.</p>

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13. Tentative Make of components:	We are proposed following list make as below for in our CSS RMU - Siemens AN Type Transformer - TMC/Voltamp/Siemens approved vendor LV Switchgear - Siemens/L&T/C&S/Eq. (ACB/MCCB) All other Product - from Siemens approved vendor.	List of Make RMU:Siemens/Schneider/ABB/L&T/Asefa/Alstom/NMRC vendors or eq. Transformer:Raychem/Siemens/Schneider/ABB/L&T/Crompton/Asefa/Voltamp/ Alstom/Powerstar/ NMRC vendors or eq. LV switchgear:L&T/ABB/Siemens/Schneider/ NMRC vendors or eq.	Please follow RFP conditions
3	6.5.1 Locking Arrangement: Transformer compartment shall have Bolted Covers. Padlocking arrangement shall be provided, however the Lock shall be in scope of customer.	Transformer compartment shall have Bolted Covers. Padlocking arrangement shall be provided by the successful vendor.	Please follow RFP conditions
4	8. Transformer and Specifications 33/0.433 KV AN CRT dry type transformer with Off Load Tap Changer link with tapping range +5% to -5% @2.5% with OTI & WTI, Insulation - Class F, Winding CU, Dyn11, IS: 11171 Make of Trafo: TMC/Voltamp/Siemens approved make. Shall be as per OEM standard design.	33/0.415 KV AN CRT dry type transformer with Off Load Tap Changer link with tapping range +5% to -5% @2.5% with WTI, Insulation - Class F, Winding AL, Dyn11, IS: 11171, Make of Trafo: Raychem/Siemens/Schneider/ABB/L&T/Crompton/Asefa/Voltamp/ Alstom/Powerstar/ NMRC vendors or eq.	As per RFP, BOQ-page No.103 and RFP clause No.-8.2 Distribution transformer data sheet S.No.11,28, 29c & d,
5	6. Section Codes & standards TECHNICAL SPECIFICATION OF 630KVA, 33KV/415V Compact Substation 11. Statutory approval, inspection & tests 11.2 Test certificates	1. Intent of specification This specification is intended to cover Design, engineering, manufacture, supply, installation, testing & commissioning of Fully Type tested as per relevant standard, Outdoor, Plinth Mount-ed, Compact Substation of 33KV/415 Volts, equipped with dry type 630 KVA Cast Resin Trans-former 3 way 33 KV Ring Main Unit consisting of 3 Nos. 33 KV SF6 Insulated Vacuum Circuit Breaker for 630KVA CSS, HT Metering in transformer feeder ( CT ,PT & Energy Meter as per PVVNL specifications),RTU/RIO & With LT Air Circuit Breaker, MCCB, LT metering arrangement, as secondary side complete as per standard & technical data sheet.  It includes Design, Engineering, supply, installation, testing & Commissioning of Cable Differential Relay, Clean agent based Gas flooding system, Auxiliary AC/DC supply, Compact substa-tion Protection grading with existing NMRC ring network, Castel Key arrangement & any other component or material required to make the installation complete & operable.	As per RFP, 1. Intent of specification Page No.-36, BOQ-Page No-103

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<p>6 Section 6. Codes &amp; standards <b>TECHNICAL SPECIFICATION OF 630KVA, 33kV/415V Compact Substation</b></p>	<p>In case of reference and standards, we will only comply with the IEC codes. Other standards are not considered in our proposal.</p>	<p>2. Codes &amp; standards:</p> <p>(V) Enclosure: Quantity: 2 No. The degree of protection for HT &amp; LT switchgear compartment shall be IP 55 &amp; degree of protection of transformer compartment of the enclosure shall be minimum IP23.</p>	<p>Please follow RFP conditions</p>
<p>6.1 Section 6: Package substation part details 6.1.4 Outdoor enclosure:</p>	<p>Degree of protection shall be for IP 54 for HV &amp; LV and IP23 for Trato compartment Of CSS.</p>	<p>The protection degree of the Enclosure shall be IP55 for LT &amp; HT switchgear compartment &amp; IP23 for Transformer compartment: Proper / adequate ventilation aperture shall be provided for natural ventilation by way of Louvers etc. IP 55 for 33kV RMU.</p>	<p>Please follow RFP conditions</p>
<p>6.1.5 Internal Fault:</p>	<p>Currently we don't have 33kV CSS type test, however we are using OEM product which shall have OEM type test of equal or higher rating (ie 33 RMU Siemens &amp; LV component level type test), we are not considering any fresh type test of component or CSS.  Internal arc called for 20KA/1 sec is only applicable for RMU. In general STC &amp; internal arc shall be in equal level, hence we are offering STC 20KA for 3 sec &amp; Internal arc 20KA for 1 sec.  We are not offering RMU STC 25KA for 3 sec. Kindly confirm.</p>	<p>1. Intent of specification  This specification is intended to cover Design, engineering, manufacture, supply, installation, testing &amp; commissioning of <b>Fully Type tested</b> as per relevant standard, Outdoor, Plinth Mount-ed, Compact Substation of 33kV/415 Volts, equipped with dry type 630 KVA Cast Resin Trans-former 3 way 33 KV Ring Main Unit consisting of 3 Nos. 33 KV SF6 Insulated Vacuum Circuit Breaker for 630KVA CSS, HT Metering in transformer feeder (CT,PT &amp; Energy Meter as per PVMNL specifications),RTU/RIO &amp; with LT Air Circuit Breaker, MCCB ,LT metering arrangement, as secondary side complete as per standard &amp; technical data sheet.  It includes Design, Engineering, supply, installation, testing &amp; Commissioning of Cable Differential Relay, Clean agent based Gas flooding system, Auxiliary AC/DC supply, Compact substa-tion Protection grading with existing NMRC ring network, Castel Key arrangement &amp; any other component or material required to make the installation complete &amp; operable.</p>	<p>Please follow RFP conditions</p>
<p>6.1.6 Covers &amp; Doors:</p>	<p>Covers &amp; doors shall be offered as per product standard design.</p>	<p>Covers &amp; Doors</p>	<p>Please follow RFP conditions</p>

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6.1.9 Cleaning & Painting:	We are offering standard painting thickness 100 microns, +/- 20 %, kindly confirm this thickness is adequate for site requirement.  For port application we used to give special additional painting thickness with 160 microns, +/- 20%.  Kindly confirm customer requirement.	The paints shall be carefully selected to withstand sea shore conditions. The paint shall not scale off or crinkle or be removed by abrasion due to normal handling.	Please follow RFP conditions
6.1.4 Outdoor enclosure:	CSS Outdoor 2mm thick Galvanized sheet steel enclosure mounted on PU Painted ISMC channel base frame 100x50x4mm and not hot dip galvanized.  LV compartment enclosure will be CRCA	6.1.4 Outdoor enclosure:  The enclosure shall be made of 2.0mm thickness galvanized Sheet Steel tropicalized to local weather conditions including all partition sheets and doors. The outdoor enclosure wall of the CSS is designed in a corrugated wall type design for robust construction and heat dissipation. The base of enclosure shall be 4mm thick Hot dip Galvanized sheet steel.	Please follow RFP conditions
6.1 Section 6: Package substation part details	Provision for connecting maximum 1Rx3Cx300 sq mm XLPE Aluminium cable . Cable Termination shall not be in our scope  Interconnection between RMU & Transformer shall be 1R per phase x 1C x 95Sq mm AL unarmoured XLPE cable  Interconnection between Transformer to LT switchgear shall be aluminium busbar.  * LV section- OG from LV feeder will be from bottom through cables, Cable termination shall not be in our scope.	6.1 Section 6: Package substation part details  Interconnection between RMU and transformer shall be by using suitable Copper un-armoured 33KV (UE) 1CX1RX95 or Aluminium armoured 33KV (UE) 1CX1RX120 sq.mm per phase cable.	Please follow RFP conditions
6.1.7 Earthing:	The arrangement towards internal lighting activated by associated door limit switch shall be provided only for LT & HT compartment.	6.1.7 Earthing:  There shall be an arrangement for internal lighting activated by associated switch for HV, Trans- former & LV compartments separately.	Please follow RFP conditions
6.6 Low voltage switchgear	Shall be provided as per OEM standard design (i.e. Siemens/L&T/C&S/Equi.)	13. Tentative Make of components:	Please refer as per RFP sec-13
6.8.1 Interlocks and Test Operation Facilities	Shall be provided as per OEM standard design (i.e. Siemens/L&T/C&S/Equi.)	6.8 ACB controlled & monitored and interlocks.	Please follow RFP conditions

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6.7 Control switch for air circuit breakers.	Shall be as per manufacturer standard design.	<p>1. Intent of specification</p> <p>This specification is intended to cover Design, engineering, manufacture, supply, installation, testing &amp; commissioning of Fully Type tested as per relevant standard, Outdoor, Plinth Mount-ed, Compact Substation of 33KV/415 Volts, equipped with dry type 630 KVA Cast Resin Trans-former 3 way 33 KV Ring Main Unit consisting of 3 Nos. 33 KV SF6 Insulated Vacuum Circuit Breaker for 630KVA CSS, HT Metering in transformer feeder (CT, PT &amp; Energy Meter as per PVVNL specifications), RTU/RIO &amp; with LT Air Circuit Breaker, MCCB, LT metering arrangement, as secondary side complete as per standard &amp; technical data sheet.</p> <p>It includes Design, Engineering, supply, installation, testing &amp; Commissioning of Cable Differential Relay, Clean agent based Gas flooding system, Auxiliary AC/DC supply, Compact sub-station Protection grading with existing NMRC ring network, Castel Key arrangement &amp; any other component or material required to make the installation complete &amp; operable.</p>	Please follow RFP conditions
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<p>6.1 Section 6. Package substation part details</p>	<p>We can offer two Nos LBS &amp; one no. VCB instead of 3 nos. of VCB, Kindly confirm.</p>	<p>1. Intent of specification</p> <p>This specification is intended to cover Design, engineering, manufacture, supply, installation, testing &amp; commissioning of Fully Type tested as per relevant standard, Outdoor, Plinth Mount-ed, Compact Substation of 33KV/415 Volts, equipped with dry type 630 KVA Cast Resin Trans-former 3 way 33 KV Ring Main Unit consisting of 3 Nos. 33 KV/SF6 Insulated Vacuum Circuit Breaker for 630KVA CSS, HT Metering in transformer feeder (CT, PT &amp; Energy Meter as per PVVNL specifications), RTU/RIO &amp; with LT Air Circuit Breaker, MCCB, LT metering arrangement, as secondary side complete as per standard &amp; technical data sheet.</p> <p>It includes Design, Engineering, supply, installation, testing &amp; Commissioning of Cable Differen-tial Relay, Clean agent based Gas flooding system, Auxiliary AC/DC supply, Compact substa-tion Protection grading with existing NMRC ring network, Castel Key arrangement &amp; any other component or material required to make the installation complete &amp; operable.</p>	<p>Please follow RFP conditions</p>
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6 Section 6: Codes & standards

1. Intent of specification

We can offer following line differential relay in our CSS,

- SIEMENS MAKE HUM LINE DIFF RELAY
- MLFB NO: 7SL82.P1C689847
- RATED INPUT AT 50Hz : CT SEC OF 1A
- AUX SUPPLY: 24V DC
- CONTACT COMBINATION : 11B+9B0
- WITH RJ45 PORT
- SUITABLE FOR FLUSH MOUNTING
- PROT 87L

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1. Intent of specification

This specification is intended to cover Design, engineering, manufacture, supply, installation, testing & commissioning of Fully Type tested as per relevant standard, Outdoor, Plinth Mounted, Compact Substation of 33KV/415 Volts, equipped with dry type 630 KVA Cast Resin Trans-former 3 way 33 KV Ring Main Unit consisting of 3 Nos. 33 KV SF6 Insulated Vacuum Circuit Breaker for 630KVA CSS, HT Metering in transformer feeder (CT, PT & Energy Meter as per PVVNL specifications), RTU/RIO & with LT Air Circuit Breaker, MCCB, LT metering arrangement, as secondary side complete as per standard & technical data sheet.

It includes Design, Engineering, supply, installation, testing & Commissioning of Cable Differential Relay, Clean agent based Gas flooding system, Auxiliary AC/DC supply, Compact substa-tion Protection grading with existing NMRC ring network, Castel Key arrangement & any other component or material required to make the installation complete & operable.

8.1 Fire protection scheme & integration with SCADA/FACP

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We are not offering with our product.

NOTE: Clean agent based gas flooding system will be provided in transformer compartment & LT Compartment and integration of gas flooding system to SCADA/FACP

Fire protection scheme & integration with SCADA/FACP

Please follow RFP conditions

Please follow RFP conditions

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6 Section 6: Codes & standards 1. Intent of specification	Kindly give more details on this requirement to better understanding.	1. Intent of specification  This specification is intended to cover Design, engineering, manufacture, supply, installation, testing & commissioning of Fully Type tested as per relevant standard, Outdoor, Plinth Mounted, Compact Substation of 33KV/415 Volts, equipped with dry type 630 KVA Cast Resin Trans-former 3 way 33 KV Ring Main Unit consisting of 3 Nos. 33 KV SF6 Insulated Vacuum Circuit Breaker for 630KVA CSS, HT Metering in transformer feeder ( CT, PT & Energy Meter as per PVVNL specifications), RTU/RIO & with LT Air Circuit Breaker, MCCB, LT metering arrangement, as secondary side complete as per standard & technical data sheet.	Please follow RFP conditions
20		It includes Design, Engineering, supply, installation, testing & Commissioning of Cable Differential Relay, Clean agent based Gas flooding system, Auxiliary AC/DC supply, Compact sub-station Protection grading with existing NMRC ring network, Castel Key arrangement & any other component or material required to make the installation complete & operable.	
21	6. Section 6: Codes & standards 1. Intent of specification	Not in our scope.	Please follow RFP conditions
22	12. Drawings, manuals and General requirements	Shall be furnish after order confirmation	Please follow RFP conditions
23	11.1 Inspection & tests certificates 12.1.2 Pre-Dispatch Inspection:	Inspection, Dispatch of CSS shall take place from CSS Assembly Vendor location. Charges towards lodging, boarding and travelling for personnel appointed from Customer for Inspection shall not be borne by Siemens.	Please follow RFP conditions
24	12.1.1 General Requirements:	We shall carry out Routine Test as per our Quality Assurance Plan (QAP). QAP shall furnished at the time of detailed engineering drawing.	Please follow RFP conditions

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12.1.1 General Requirements:	We shall provide warranty of 12 months from the date of commissioning or 18 months from date the date of supply, whichever is earlier. Batteries being consumable & bought out item, the warranty for batteries does not go beyond 12/ 18 month as per battery manufacturer. [If applicable as per BOM]. In case commissioning is schedule beyond 3 months from receipt of materials at site, then freshening charge for batteries shall be given by customer to ensure that batteries do not go into permanent dry mode. [If applicable as per BOM]	Warranty	Please follow RFP conditions
25 12.1.1 General Requirements: Delivery	Delivery – Client inspection date shall be 9-10months from the date of drawing approval. Drawings shall be submitted within 5-6 weeks from the date of PO. Drawings shall be approved within 1 week from the date of submission. (our scope will be limited to submit our drawing, end customer approval is not considering our scope, however we can extend all possible support for technical clarification by remotely/on team call) Drawings shall be approved within 2 weeks from the date of submission. if any further delay on drawing approval will have suitable price implication (if any shall communicate accordingly).	Delivery	Please follow RFP conditions
26 12.1.1 General Requirements:	HT Cable Termination Kit (For incoming cable feeder) is not in our scope. However interconnection from VCB to Transformer is considered in our scope. (Applicable only for CSS)	12.1.1 General Requirements: Vendor shall supply suitable & required no. of HT & LT Cable termination kits along with CSS for HT & LT Cable terminations.	Please follow RFP conditions
27 12.1.1 General Requirements:	Civil work is not in the scope of Siemens and quoted prices are exclusive of civil work.	12.1.1 General Requirements: • Compact Sub-Station & RMU shall be outdoor plinth mounted type. • However, Supervision of erection, testing and commissioning is in the scope of Bidder. Further, the Vendor shall furnish the foundation details & foundation bolts & accessories.	Please follow RFP conditions
28 Bidder-2 M/S AE Teletek Systems Ltd.			

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SCC Clause 23: Payment Terms

This tender calls for very high investment from beginning because OEMs of CSS and SCADA GIS Panels don't work without any advance payment. Then there will be a considerable manufacturing timeline before delivery of the product at site. Most of the prospective bidders who will participate in the tender are from MSME category and always have financial crunches, it is also worth mentioning here there is significant delay in payment release from most of the Govt/PSU organization even after completion of the particular milestone. Therefore we request for payment terms as follows: a) 80% of cost against delivery of items at site. b) 10% after installation and testing. c) Balance 10% after final approval integrated testing and commissioning

Payment Terms: Payment instalments and ratio: a) Scheme approval and delivery of supply of item: 60% of the cost may be released after successful delivery of electrical items on site on foundation. b) Installation and testing and commissioning: 20% of the charges may be released after installation including earthing, electrical cabling & approvals. c) Final approval, Integrated Testing & commissioning: 20% remaining charges, may be released after a) Integrated Testing and Commissioning of CSS.

b) Three sets of completion drawings and one set drawing on rubber sheet comprising the following shall be submitted by the contractor while handing over the installation/ before ElG inspection.

Equipments layout drawing(s) giving complete details of the entire equipments. Electrical drawings for the entire electrical equipments showing cable sizes, equipment capacities, switch-gear's ratings, control components, control wiring etc.

c) No Objection Certificate from CHIEF ELECTRICAL INSPECTOR TO THE GOVERNMENT OF INDIA for the metro work.

d) Training of operation and maintenance staff of the NMRC to be pro-vided by contractor.

e) At the time of final completion, the contractor shall arrange for In-spection and testing of the installation. Test results obtained shall be recorded. The installation shall not be accepted until it complies with the requirement of these Specifications. The Sub Station installation shall be got inspected by the contractor from CHIEF Electrical Inspector for metro work and their clearance taken before energizing the Sub Station. All the observations/ deficiencies pointed out by the inspecting authorities shall be complied with by the contractor on priority. The department shall not render any help and shall not pay any fee for NOC.

Please follow RFP conditions

<p>SCC Clause 23 Sub clause 11.6 C &amp; e (c) No Objection Certificate from CHIEF ELECTRICAL INSPECTOR TO THE GOVERNMENT OF INDIA for the metro work.</p>	<p>(C) NOC from Chief EIG is noted and shall be complied however in case Chief EIG recommend some extra feature/specification beyond the technical specification of the tender then it should be considered as variation to the contract and should be paid to successful contractor. Also there should not be any penalty in case compliance of this extra feature/specification due to recommendation of Chief EIG exceeds the completion period in case it's beyond the scope of tender technical specifications.</p>	<p>(c) No Objection Certificate from CHIEF ELECTRICAL INSPECTOR TO THE GOVERNMENT OF INDIA for the metro work. e) At the time of final completion, the contractor shall arrange for inspection and testing of the installation. Test results obtained shall be recorded. The installation shall not be accepted until it complies with the requirement of these Specifications. The Sub Station installation shall be got inspected by the contractor from CHIEF Electrical Inspector for metro work and their clearance taken before energizing the Sub Station. All the observations/ deficiencies pointed out by the inspecting authorities shall be complied with by the contractor on priority. The department shall not render any help and shall not pay any fee for NOC.</p>	<p>Please follow RFP conditions</p>
<p>2</p>	<p>Section 6 Codes &amp; Standard: 1. Intent of specification</p>	<p>1. Intent of specification: This specification is intended to cover Design, engineering, manufacture, supply, installation, testing &amp; commissioning of Fully Type tested as per relevant standard, Outdoor, Plinth Mounted, Compact Substation of 33KV/415 Volts, equipped with dry type 630 KVA Cast Resin Transformer 3 way 33 KV Ring Main Unit consisting of 3 Nos. 33 KV SF6 Insulated Vacuum Circuit Breaker for 630KVA CSS, HT Metering in transformer feeder ( CT, PT &amp; Energy Meter as per PVVNL specifications), RTU/RIO &amp; with LT Air Circuit Breaker, MCCB, LT metering arrangement, as secondary side complete as per standard &amp; technical data sheet.</p>	<p>Please follow RFP conditions</p>
<p>3</p>	<p>Please be noted none of the OEM has Fully Type tested Compact Substation in 33 KV/415 Volt. In such scenario if an OEM which has fully type test certificate in 11 KV with same (630 KVA) or higher capacity with good amount of experience with prestigious clients does procurement authority allows such OEM with 11 KV certificate. Kindly clarify.</p>		

<p>10 Plan Submission and Schedule of Work</p>	<p>Kindly relook on the schedule of work and implementation plan. Factory testing program can not be in one month from LA same way other stages too has discrepancies. Practically every stage should start from QAP and Drawings approval date of CSS. Delivery of CSS should be 6 months from QAP &amp; Drawing approval date. Then another two months for testing commissioning, EIG approval etc. RMU OEM takes about 16 weeks for manufacturing for any design on 33 KV. Then assemble in CSS takes place at CSS manufacturer premises. Local Civil work, Cable laying etc can not be initiated without approved Drawing. Defining Impractical timelines in tender often becomes bigger hassles to procurement authority itself and definitely to successful contractor during execution.</p>	<p>1 Factory Testing Programme With in one month of LOA 02 Site Testing and Commissioning program With in one month of LOA 03 Procurement Manufacturing Delivery Plan With in one month of LOA 04 Construction and Installation Plan With in one month of LOA 05 Integrated Testing and commissioning Plan With in one month of LOA 06 DLP management Plan With in three months of LOA 07 Design Documents submission programme With in 15 days of LOA 08 AC Simulation study Report With in one month of LOA 08a. Preliminary AC Simulation study Report With in one month of LOA 08b. Final AC Simulation study Report With in three months of LOA 09 Contactor project Plan With in 15 days of LOA</p>	<p>Please follow RFP conditions</p>
<p>5 11 Statutory approval, inspection &amp; tests: On Site Test</p>	<p>Kindly clarify the followings: 1. List of Test to be conducted for CSS as a composite system; Transformer, HT and other Cable, RMU, Indoor LT Panel and Outdoor LT panel; 2. Will there any test to be conducted on your existing GIS Panel, if yes, kindly list those. 3. Does the Timing of test to be performed is during non business hours for metro ie. typically 0000 Hours to 0430. Kindly clarify.</p>	<p>11. Statutory approval, inspection &amp; tests : All necessary statutory approvals shall be taken by the contractor. The employer shall facilitate only.</p>	<p>Please follow RFP conditions</p>
<p>6 BOQ: Earthing Pit</p>	<p>No details of Earthing Pits are available. Kindly clarify</p>	<p>Earthing Pit <b>BOQ item No.-12</b>: Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.</p>	<p>As per RFP, BOQ item No.-12:</p>

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