

Addendum- II**EMP WORKS**

S.No	Tender Document Reference				Addendum	Addendum To be read as
	Part	Section	Item /Chapter	Clause		
1	Part-I , Bidding Procedure	Section-III,	Evaluation and Qualification criteria	Special Note no 1	Annexure-A, B & C	The subcontractor qualifying criterion, Vendor List of E&M works & Procedures for vendor /supplied enlistment for E&M works is annexed as Annexure-A, Annexure-B & Annexure-C respectively.
					Annexure-A	Eligibility Creteria for Sub-Contractor of E&M Works
					Annexure-B	Approved Vendor / Supplier List of E& M Works
					Annexure-C	Procedure of enlistment of vendor / supplier for E&M Works if not approved & neccesiated by contractor.
2	II , Works Requirement	Section-VII B, Particular Specification- Electrical and HVAC	Low voltage Cables	6.4	New Clause 6.4.25	Cable Sealing System at transit and entry /exit points After laying of cables through wall and opening (or wherever cables are entering in to the Electrical Substation, Control Room, SCADA Room, Electrical Equipment, Cabinets, Power and UPS Room, Transformers, Building and Power equipment.) has been completed, it is the responsibility of the Contractor to fill up voids and openings with fire resistant materials to protect fire or smoke from spreading out from one room to other room or one floor to another floor through these voids and openings. The sealing material shall be Low Smoke Index, Halogen Free Rubber compound based module with centre plug/wrap/core shall be fire resistant as per UL 1479 of BS 476/20 and ensure protection against Dust, Water and penetrating solid objects as per IP54,IP66 and IP67 (IEC 60529). If no IP protection is mentioned during the tendering stage, then it shall be supplied with IP 67. The fire barrier shall comply with the following codes and standards: NEC: 300-21 : Spread of Fire or Products of Combustion

3	II , Works Requirement	VII B, Particular Specification- Electrical and HVAC	5, Light Fittings	5.4	New Clause 5.4.10	<p>Lighting Control System</p> <p>General</p> <p>The lighting can be On/Off to suit the minimum Emergency lux level requirement,33%, 66% and 100% as far as practicable by centralized control PC workstation, via lighting control system, in Station Control Room SCR combined with timer and photo cell, the Contractor shall provide and install the lighting control system as indicated In the specifications herein. The Lighting Control System shall also be integrated with the E&M SCADA located at OCC. Each lighting circuit from the lighting control panels (LCP) shall be controllable by any of the above SCADA. The Scheduling for control and monitoring of lighting circuits and graphic of lighting control floor plan shall be from the E&M SCADA . The lighting control system configuration such as graphics, layout, setting, etc., shall be adjustable to harmonize with Architectural finishes. This is also applicable to any third party vendor interfaces with the system.</p> <p>The lighting controls should comply with the following codes and standards:</p> <p>(1) IEEE 802 : Standard for Information Technology –Telecommunications and Information exchange between systems</p> <p>(2) IEC 60529/1989 : Degree of protection provided by enclosures (IP Code)</p> <p>(3) IEC 60255 : Electrical Relay</p> <p>(4) IEC 60364 : Electrical Installation of Buildings</p> <p>Material Description</p> <p>The lighting control system as specified herein shall be to control and manage the switching function of lighting fixtures.</p> <p>The lighting control panel (LCP) shall consist of the enclosure with separate power section and control section, relay unit, power supply unit, interconnected wirings and accessories.</p> <p>The system shall allow added switching configurations. Any number of switches shall be able to program for a common load or loads and all switches shall indicate the load status on SCADA E & M.</p>
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