

Document No: ETC-BOQ/GIS/NOTE.2 Rev.0

Title: SCOPE NOTE 2 - PROJECT SPECIFIC SCOPE NOTE FOR E.T.C. WORKS

Sr	PERTICULARS
2.01	<p>Cable fire sealing - Cable/cable tray openings in walls and floors or through pipe sleeves from one area to another or from one elevation to another within the unit shall be sealed by a fire proof sealing system (FPSS). The FPSS shall effectively prevent the spread of fire from the flaming to non-flaming side of a fire. Wherever the cables/cable trays pass through walls/floors, fire proof cable penetration seals rated for one hour shall be provided. This shall be by suitable block system using individual blocks with suitable framework or by silicon RTV foaming system. In case foaming system is offered, damming board, if used, shall not be considered for fire rating criteria. Any of the system offered shall be of proven type as per BS: 476 (Part-20) or equivalent standard.</p> <p>In order to prevent fire propagation through cable penetrations, after laying, dressing & clamping of cables, all the openings shall be properly sealed by using Fire Stop Mortar Seal and Fire Retardant Cable coating compound. Also the cable runs both before and after the fire scale shall be suitably sprayed with anti-fire propagation liquid.</p>
2.02	<p>All ETC works shall be done as per BHEL/TANGEDCO Specification. Misscellaneous works pertaining to 400kV GIS and Pothyard are deemed inclusive. (enclosed).</p>
2.03	<p>19/33kV , 1C X 500 sq. mm Al Conductor XLPE insulated Armored cable are to be laid between main plant area to sea water intake pump house building, which is outside the plant premise. (Distance approx. 7 kms). Minor earthing works of 40mm MS Rod, 75X12mm GI flat, 50X6mm GI flat. required to carry out for completion of job is to be done by bidder. The same will be payable seperately with respective BOQ item. Material shall be received and stored at ENNORE site.</p>
2.04	<p>Equipment bolted connection after being checked and tested shall be painted with anticorrosive paint / compound be welded. For rust protection, the welds shall be treated with zinc chromate primer and coated with zinc rich paint.</p>
2.05	<p>Attached Drawings i.e. SLD, PLAN, Section, EKD, "LT ACDC Board Ennore" e.t.c. are tentative and subject for revision during detailed engineering / contract stage. Bidder to quote accordingly.</p>
2.06	<p>Rating & type of Battery & Battery Charger are tentative and subject for revision during detailed engineering / contract stage. Bidder to quote accordingly.</p>