

CLAUSE NO.	TECHNICAL REQUIREMENTS
3.02.00	Material Structural Steel (including embedded Steel) shall be straight, sound, free from twists, cracks, flaw, laminations and all other defects.
3.02.01	Mild Steel a) Rolled sections and plates up to and including 20mm thickness shall conform to grade designation E250A semi killed of IS: 2062. Plates beyond 20mm thickness and up to 40mm thickness shall conform to grade designation E250B killed and controlled rolling conforming to IS:2062. Plates beyond 40mm thickness, shall conform to grade designation E250B killed, normalizing rolling as per IS:2062. Plates beyond 40mm shall be ultrasonically tested as per ASTM-A578 level B. b) Pipes shall conform to IS: 1161. c) Hollow (square and rectangular) steel sections shall be hot formed conforming to IS: 4923 and shall be of minimum Grade Yst 240. d) Chequered plate shall conform to IS 3502 and shall be minimum 6 mm thick excluding projection. Steel for chequered plate shall conform to grade E250A semi killed of IS: 2062.
3.02.02	Medium and High Tensile Steel a) Rolled sections and plates up to and including 20mm thickness shall conform to grade designation E350 semi killed of IS: 2062. Plates beyond 20mm thickness and up to 40mm thickness shall conform to grade designation E350 killed and controlled rolling conforming to IS:2062. Plates beyond 40mm thickness, shall conform to grade designation E350 killed, normalizing rolling as per IS:2062. Plates beyond 40mm shall be ultrasonically tested as per ASTM-A578 level B.
3.02.03	All other Materials shall be as per applicable Standards and Codes.
3.02.04	All Materials brought for incorporation in works shall be of best quality as per IS, unless specified otherwise.
3.03.00	Loading
3.03.01	Dead Loads
	Dead Loads are permanent Loads which shall include the weight of Structure complete with finishes, fixtures, partitions, etc. and shall be taken as per IS:875 (Part-I).
3.03.02	Imposed Loads (a) Imposed Loads in different areas shall include Live Loads, Erection, Operation and Maintenance Loads. (b) Equipment Loads (which constitute all Loads of Equipment to be supported, as given by Equipment Supplier), Pipe Loads (Static, Friction and Dynamic), Cable / Ducts Loads, Ash Loads, Dust Load, wherever applicable, are not included in the Imposed Loads as furnished below and these Loads shall be considered in addition to Imposed Loads.
MOUDA STPP-II (2x660MW) / SOLAPUR STPP (2 x 660MW) / NABINAGAR STPP (3x 660MW) / MEJA TPP-I (2 x 660MW) / RAGHUNATHPUR TPP PHASE-II (2 x660MW) STEAM GENERATOR PACKAGE	TECHNICAL SPECIFICATION SECTION-VI BID DOC NO.: CS-9575/ 9571/ 0370/ 0360/ 9586-102(R)-2
PART-B SUB-SECTION-V CIVIL WORKS	