SECTION-I

BOQ

BH-ZSG-BOQ-E-0001

STANDBY POWER DG BOQ

Item Nos.	ITEM DESCRIPTION	UNIT	Quantity	RATE	AMOUNT	
					Rs.	Paise
	POWER GENERATION SYSTEM					
1.0	**DG SET**					
	Scope:					
	Include for the complete supply, installation, Testing and Commissioning of DG set as detailed in the Specifications, BOQ and on the Drawings and to the complete satisfaction and approval of the Engineer and all concerned Statutory Authorities and under the following sections.					
1.01	Supply, install, connect, commission and test test generator sets (**250KVA**) cooling system, lubrication system, starting system, battery charger, safety shut-offs, mounting system, Day Tank, Fuel Piping System, MS base along with neccessary support & Misc. Accessories etc., complete including inertia bases, and all works as specified	SET	1			
a	Generator control panels (Inside D.G. Enclosure)-1 Set					
b	Generator Fuel Piping system with Day tanks, complete (Inside D.G. Enclosure)-1 Set					
c	Exhaust System with insulation and Al. cladding.-1 Set					
d	Breaker Panel (400A MCCB) (Inside D.G. Enclosure)-1No					
2	CONTROL CABLING WITH TERMINATIONS					
	PVC insulated copper conductor armoured control cables					
2.01	8 C 2.5 sq mm	M	20			
2.02	12 C 2.5 sq mm	M	20			
2.03	2 C 2.5 sq mm	M	20			
3	CONTAINMENT FOR CONTROL CABLING					
3.01	GI Trunking 50mm X 40mm	M	20			
4.0	**EARTHING SYSTEM**					
	Include for the complete installation as detailed in the Specifications and on the Drawings ....etc. (cont'd.)					
	Earthing including earth pit, rods, earth seal, conduits, cables, containment including accessories, fittings, fixing complete as per codes and guidelines					
4.01	Maintenance Free Earth Pits	Nos	4			
	Supply and fixing of following bare copper tapes / wires including all necessary fixing accessories, earth bars and effecting connections as per specifications.					
4.02	50 x 10 mm GI	M	60			

STANDBY POWER DG BOQ

Item Nos.	ITEM DESCRIPTION	UNIT	Quantity	RATE	AMOUNT	
					Rs.	Paise
	POWER GENERATION SYSTEM					
5.0	**DOCUMENTATION, TESTING & COMMISSIONING**					
	Generally for the complete electrical engineering installations					
5.01	Drawings, manuals, approvals & instruction books	Item	1			
5.02	Testing and commissioning	Item	1			
5.03	Training	Item	1			
5.04	Labels, special tools, etc.	Item	1			
5.05	Protective and decorative painting	Item	1			
5.06	Liaison and co-ordination with Local Authorities	Item	1			
5.07	Spare parts for normal operation for 2 years	Item	1			
6.0	The Contractor will list here and price any items shown on the drawings, mentioned in the Specifications or required for the satisfactory completion of this section, but not mentioned here. Any such items not listed below shall be deemed to be included :					
	TOTAL					