

Annexure-c to Tender BAP/CAP/2013-14/OT-24

Annexure to the Indent No: C:822:3:0057 Dated 07.12.2013.

LPG Fired Steam Generator.

SUPPLY, ERECTION & COMMISSIONING OF LPG STEAM GENERATOR WITH SUPER HEATER ARRANGEMENT AS PER THE SPECIFICATION & SCOPE.

Type	Low Pressure Steam Generator with Super Heater Arrangement.
Fuel	LPG Burner
Operating Pressure	0.9 KG/SQ CM
Test Pressure	4 KG/SQ CM
Material	The Inner Shell shall be made of Stainless Steel of AISI 304Gr. Thickness of the inner shell is 5MM. Outer Shell shall be made of IS2062. Thickness of Outer shell is 10 MM.

ACCESSORIES AND FITTING TO BE SUPPLIED ALONG WITH THE GENERATOR.

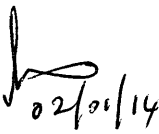
1. Safety Valve.

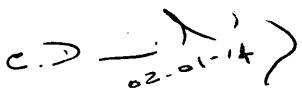
- i. Spring Loaded 1 No.
- ii. Dead Weight 1 No. Set it 1.5 Kg/SQ CM.

2. Pressure Guage: 0.5 KG/SQ CM mounted on the Inner Vessel Lid.
3. Emergency Water Filling Funnel.
4. Water Level Indicator: S.S Pipes, Fitting with S.S Guard.
5. S.S Float Valve ¾" Fitted at Water Inlet.
6. Drain Valve 1 ½".

GENERAL POINTS:

1. All connecting flanges from inner to outer Vessel both side made out of Stainless Steel. Thickness of the flange material must be not less than 10 mm.
2. All connecting pipes must be 1.5" Stainless Steel Gr 304 with SCH 80.
3. The Outer Shell should be insulated with 80mm thick Glass Wool and covered by 16 SWG Gr.1.
4. The Door of 400 x 250 mm size shall be provided on outer Vessel for Burner in Stainless Steel and other accessibility.
5. Neatly painted Mild Steel stand of 600mm height shall be supplied to rest the Boiler.
6. Top Lid shall be provided with sealing gasket with Stainless steel Bolts and Nuts.
7. Inlet and Outlet Pipe shall be Stainless Steel.
8. Chimney of dia 150mm of 14 SWG. MS Sheet of 3M height with Flanges shall be provided.
9. 6" dia M S Flange Bolt & Nut arrangement 2 Nos. both sides on the Outer Vessel shall be provided.
10. The Steam Generator shall be Hydraulically tested for 4 Kg/SQ CM for one hour at Supplier Works in the presence of BHEL inspector.
11. Equipment shall be offered for Inspection to BHEL inspector before Dispatch.
12. The boiler shall be erected & commissioned at BHEL Ranipet by Supplier.


02/01/14
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02-01-14
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