



Punjab Alkalies & Chemicals Limited

SCO-125-127 Sector 17-B, Chandigarh-160017

Phone : 4072569 Grams: 'ALKALIES' Fax : 0172-2704797

CIN:L24119CH1975PLC003607 Website : www.punjabalkalies.com

Email :rakeshkaura@punjabalkalies.com,

Sub:- Contract for operation and maintenance of 8 TPH Husk Boiler (Thermax Make)

Sealed offers are invited for operating and maintaining 8 TPH Coal/Husk Fired Boiler satisfying the following conditions;

- 1. First/Second Class (IBR) operator**
- 2. Experience of working on boiler with rice husk/coal .**
- 3. Experience of PLC and DCS.**
- 4. Adequate knowledge of HMI**
- 5. The detail of the contract for operation and maintenance of 8 TPH Husk Boiler (Thermax Make) shall be as follow;-**

Function of Job: To perform operation and routine maintenance of high pressure husk boiler unit.

Requirements: Adequate number of skilled operator/Manpower/Firemen for 24 Hrs running of Husk Boiler. The Skilled operator should be certified First Class/Second Class Boiler operator having adequate Knowledge of HMI/PLC operations of Husk based Boiler)

Responsibilities for operation/maintenance:

- 1) Operate high pressure boiler, feed water pump, screw feeder including starting and shutting down and proper knowledge of working husk feeding system ,draught pressure, APH,RAV, bag filter, cyclone .
- 2) Monitor boiler operation and react to varying load as per plant requirement.
- 3) Perform constant visual checks, husk dust, husk moisture, read gauges, in feed bucket elevators, screw conveyor, ash handling system and manipulate controls.
- 4) Assure that various meter reading of pressure and temperature are recorded and detailed check of safeties & interlocks i.e Boiler water level, flue gas temp.steam pressure high.
- 5) Maintain Records as per log sheet, water analysis reports.
- 6) Furnace refractory visual check & rotary air lock valve for proper function.
- 7) Cleaning of tube internal in flue gas with wire brush
- 8) Check air/ flue gas duck leakages and arrest the leakage if any
- 9) Check APH tubes for leakage & chocking



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- 10) Find out improvements area which can either make operation safe or help improve fuel efficiency
- 11) Inspect boiler pipes, valves, pumps and safety devices for leakage for malfunctions.
- 12) Inspect and adjust control mechanism for safe operation.
- 13) Drain & clean feed water tank
- 14) Check bed air nozzle ,sand level in bed as per parameter.
- 15) Check proper function all function of safety valves,Mobrey level switch,
- 16) Blow down Boiler when conductive solids and impurities exceed specified limits; test high and low pressure safety controls
- 17) Schedule and supervise cleaning of equipments and work areas
- 18) Assist in minor equipment repairs
- 19) Assist daily maintenance of boilers including oil and greasing fan, gear box other operating mechanism.
- 20) Observe Fire and safety precaution
- 21) Responsible for chemical makeup of water, testing water quality and maintain as per standards parameters
- 22) Maintaining of chemical balance in boiler water according to prescribed procedure
- 23) Prepare and maintain records on water treatment, husk, steam production and Ash
- 24) Take corrective action for emergency repairs/breakdown
- 25) Perform other related duties at Boilers and other as assigned by HOD.

Interested parties may submit their offers on or before 10/12/2018.

Executive Director (MTRLS & PROJ)