ANNEXURE – IV

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| *SCOPE OF SUPPLY* |

**SIBO Model – SMALL INDUSTRIAL BOILER– OIL FIRED**

* Boiler with furnace, rear chamber, smoke tubes, manufactured, tested & certified as per the IBR and fitted with front/ rear smoke boxes.
* One set of Feed Water system comprising motorized feed water pump and feed water line.
* One set of automatic water level controller.
* One set Control panel - dust proof & pre-wired with necessary starters, MCB’s, contactors, relays, etc.
* One Set of the IBR quality boiler mountings comprising:
  + - 1 No. Main Steam Stop valve
    - 1 No. Blow down valve
    - 1 No. Level controller drain vlave
    - 1 No. Air vent valve
    - 2 Nos. Level controller isolation valves
    - 2 Nos. Single post spring loaded safety valves
    - 1 No. Non-return valve in feed line
    - 1 No. Globe valve in feed water line
    - 2 Sets Water level gauges with glass tube
    - 1 No. Isolation valve for Pressure gauge
    - 1 No. drain valve for AWLC
* Instruments, Controls And Safeties:
  + - 1 Set Automatic Water Level controller for Pump On/Off
    - 1 Set Steam Pressure Gauge with siphon, on Boiler Shell
    - 1 Set Steam Pressure Switch, on Boiler Shell
    - 1 Set Pressure gauges for feed water line
    - 1 Set Control Switches for Feed Pumps/Burner
    - 1 No. Fusible Plug
    - Alarm for Abnormal Operating conditions
* Oil Burner System comprising of:
  + Pressure jet burner
  + Combustion air blower
  + Auto-Ignition system – Ignition transformer, cable & ignition electrodes
  + Flame detector photocell
  + Sequence Controller
  + Spray Nozzle & diffuser plate
  + Oil Solenoid valve
  + High pressure oil pump with motor

**BATTERY LIMITS**

* Outlet of main steam stop valve
* Outlet of AWLC drain valve, blow down valve & gauge glass drain
* Outlet of safety valve discharge port
* Inlet of burner
* Flue gas outlet of chimney
* Electrical terminal connections on control panel, motors & instruments.

**EXCLUSIONS:**

* Main Chimney and flue gas ducting
* Raw water & fuel oil storage tanks.
* Water treatment plant.
* Steam & water piping up-to/from our terminal points.
* All civil & structural work for installing the boiler.
* Unloading and positioning of boiler and accessories.
* Electrical cables up to control panel of boiler.
* Labour, tools & tackles, utilities (water, power, air etc) and consumables required for assembling, erection & commissioning the boiler, spares for installation, operation & maintenance.
* Fuel, water instruments & accessories for commissioning, operation & performance testing of boilers.
* Any other item specifically mentioned in our offer.

**WARRANTY**All the manufactured items shall be warranted for a period of 12 months from the date of dispatch against any manufacturing defect either due to Material and/or Workmanship. Our liability under this warranty shall be limited to repairing / replacing the defective component.

All the warranties on the bought-out items e.g. Burner, Motors, Pumps etc. given to us by the manufacturer shall be extended to you.