

Brochure

Online sale of 4 X120 MW Decommissioned Units of West Bengal Power Development Corporation Limited at Santaldih, Purulia, W.B.



valuejunction a business unit of **mjunction** (A SAIL – TATA STEEL joint venture) is appointed by **W.B.P.D.C.L.** to sell their entire **4 X120 MW** decommissioned Power units at Santaldih, Purulia, W.B. Interested buyers are requested to contact the valuejunction team for further details.

Onsite Inspection: Interested buyers are requested to visit the site for inspection of the materials, Inspection will only be permitted by giving prior notification to the valuejunction team at least 2 days before the date of visit. Customers visiting the site are required to carry the following 2 items with them:

1. Photo identity proof of each visitor.
2. Company letterhead.

Address of the plant: P.O.-S.T.Plant, Dist– Purulia, West Bengal, Pin-723146

Timelines:

Inspection: Will be permitted till 31-August-14 with prior notification to valuejunction team

Online Auction: Tentative date of auction is 1st half of September, 2014.

valuejunction team : Contact details

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The sale will be on As-is-where-is & No-Complaint basis.

Material List

Units 1,2,3 & 4 of the power plant which have been decommissioned by WBPDCCL are on sale.

The material list below is a tentative list, customers are advised to visit the site and inspect the materials, to satisfy themselves.

1. Coal handling plant:

Sl.No	Sub-Parts available
1	Wagon tippers- Bull gear holder(fabricated items), tippler arms with tie beam(6 nos), drive shaft with coupling, bearing
2	Stacker recliner with wheel arm,
3	T.P with pulley, chute, vibrator, magnetic separator, gearbox, fluid coupling, hopper etc.
4	In crusher house a few motor, crusher, vibrating screen, belt feeder, chute, gates, hopper etc.
5	Conveyor in tippler 2 nos.
6	Auto magnetic separators
7	Table magnet separators with belt (width- 1m.),

2. Boiler and Auxiliary Unit:

Sub Unit: I : PRESSURE PART

Sl.No	Sub-Parts available
1	BOILER DRUM
2	WATER WALLS & HEADERS
3	SUPERHEATERS
4	DESUPERHEATERS
5	ECONOMISER

Sub Unit: II COAL MILL & MILLING SYSTEM

Sl.No	Sub-Parts available
1	RAW COAL BUNKERS
2	RAW COAL FEEDERS
3	COAL MILLS

Sub Unit: III: AUXILIARY FANS WITH MOTOR

Sl.No	Sub-Parts available
1	SEAL AIR FANS
2	PRIMARY AIR FANS
3	FORCED DRAUGHT FANS Each boiler unit having 2 nos. FD fan.
4	INDUCTED DRAUGHT FANS

Sub Unit: IV: BOILER DUCTING

Sl.No	Sub-Parts available
1	DUCTING

Sub Unit: V: BOILER STRUCTURE

Sl.No	Sub-Parts available
1	BOILER SUPPORT STRUCTURAL STEEL
2	PLATFORM SYSTEM
3	RUNWAY BEAMS AND SUPPORTING STRUCTURES
4	PENT HOUSE ROOFING

Sub Unit: VI: BOILER DAMPERS AND GATES

Sl.No	Sub-Parts available
1	FD fan inlet vane control & FD fan outlet damper. Raw coal feeder gate & fuel pipe discharge valves. Seal air fan inlet & outlet dampers

Sub Unit: VII: ELECTROSTATIC PRECIPITATOR

Sl.No	Sub-Parts available
1	ELECTROSTATIC PRECIPITATOR

Sub Unit: VIII: ELECTRICAL CONTROL & INSTRUMENTATION SYSTEM OF BOILER

Sl.No	Sub-Parts available
1	CONTROL & INSTRUMENTATION
2	OIL CONTROL STATION

Sub Unit: IX: AUXILIARY PUMPS WITH MOTORS

Sl.No	Sub-Parts available
1	BOILER FILL PUMP
2	LP DOSINS PUMP
3	HP DOSINS PUMP

Sub Unit: X: OTHER (MECHANICAL SYSTEM / EQUIPMENTS)

Sl.No	Sub-Parts available
1	BOILER ASH DISPOSAL SYSTEM
2	SAFETY VALVES.
3	AIR PREHEATER
4	SOOT BLOWERS
5	FUEL FIRING SYSTEM AND BURNERS
6	SHEETING,INSULATION AND CASING

Sub Unit: XI: CHIMNEYS

Sl.No	Sub-Parts available
1	CHIMNEY (RCC STRUCTURE

Sub Unit: XII: MATERIAL LYING AT BIOLER AREA

Sl.No	Sub-Parts available
1	Machinery parts, M.S structures, pipes, beams, chequered plates, component of coal mills, etc.

3. STEAM TURBINE / GENERATOR AND ITS AUXILIARIES FOR UNIT NOS. 1, 2, 3 & 4 (4 x 120 MW)

Sub Unit: I: STEAM TURBINE INCLUDING SURFACE CONDENSER FOR ALL FOUR UNITS

Sl.No	Sub-Parts available
1	Steam turbine from steam starting valve up to exhaust valve
2	Safety Governors (Emergency Governor)
3	Surface Condenser complete with piping, valves, fitting and other accessories

Sub Unit: II: AUXILIARY PUMPS, FANS & TANKS WITH MOTORS FOR ALL FOUR UNITS

Sl.No	Sub-Parts available
1	Starting oil pump (SOP)
2	ACEOP
3	DCEOP
4	AC and DC seal oil pump with piping, valves, accessories, etc.
5	Vacuum Pump (for condenser)
6	Boiler Feed Pump & Drive
7	Boiler Feed Pump lub oil system
8	CEP – Complete pump, motor and piping system
9	CW & ACW pumps
10	Vapour exhausting fan
11	Turbine main oil tank

Sub Unit: III: HEAT EXCHANGERS FOR ALL FOUR UNITS

Sl.No	Sub-Parts available
1	DE-AERATOR SYSTEM – Complete with piping valves, fitting and other accessories.
2	LP Heater No. 1, 2, 3 & 4:- Complete with piping, fitting and other accessories.
3	HP Heater No. 1, 2 & 3:- Complete with piping, fitting and other accessories.
4	Drain expander with headers, vent, etc.
5	Turbine Oil Coolers - Complete with piping, valve, fitting on oil and water sides.
6	Seal oil coolers - Complete with piping, valve, fitting on oil and water sides.
7	Drain Cooler - Complete with piping, valve, fitting on oil and water sides.

Sub Unit: IV: INTER CONNECTION PIPING, VALVES & VESSELS FOR ALL FOUR UNITS

Sl.No	Sub-Parts available
1	Critical Steam lines including valves and other accessories.
2	Critical water lines (BFD, BFR, BFS & CEP discharge to de-aerator) including valves and other accessories.
3	Auxiliary steam pipe lines including valves and other accessories.
4	Air evacuation pipe line including valve and accessories.
5	Extraction steam system - Complete with piping, valve, fitting and other accessories.
6	Drain and Vent pipe lines

Sub Unit: V: OTHERS FOR ALL FOUR UNITS

Sl.No	Sub-Parts available
1	Coupling between Turbine and Generator
2	Barring Gear – Complete with electrical drive.
3	Speeder gear
4	Control & Instrumentation

Sub Unit: VI: MATERIALS LYING AT T. G. & OTHER FLOORS

Sl.No	Sub-Parts available
1	Machinery parts like pump, pump block, tubes pipes, filter, gear box, casing of cooling tower fans

Sub Unit: VII: 4 x 120 MW TURBO GENERATOR SET

Sl.No	Sub-Parts available
1	Turbo generator.
2	DC Exciter
3	Automatic voltage regulator
4	Generator
5	Generator closed circuit Hydrogen cooling system

Sub Unit: VIII: ISOLATED AND SEGREGATED PHASE BUS DUCTS & ASSOCIATED EQUIPMENTS

Sl.No	Sub-Parts available
1	3 phase, 11KV, 4000Amps air insulated bare bus bar

4. ELECTRICAL PANNEL AND C&I SYSTEM

Sub Unit: I: ELECTRICAL PANELS

Sl.No	Sub-Parts available
1	6.6 KV Switchgear – complete with bus coupler, contacts, volt meter, energy meter, relays and accessories.
2	LT Switchgear
3	UNIT CONTROL BOARD
4	Old & Unused Panel Box Total No.-69

Sub Unit: II: ELECTRICAL TRANSFORMERS – 4 x 120MW

Sl.No	Sub-Parts available
1	Generator Transformer 1, 2, 3 & 4; BHEL make
2	Current Transformer
3	Unit Auxiliary Transformer
4	415V Transformer
5	Rails

5. MISCELLANEOUS ITEMS

Sub Unit:I:

Sl.No	Sub-Parts available
2	Roof Extractor Fans T.G. Hall.
3	Centrifugal fans Acid and Battery room complete with ducts, supports and other accessories.
4	Louvre
5	Machinery parts and electrical items etc. lying in different maintenance rooms of service house building
6	ESP Building
7	DG set Building
8	Removal of all powerhouse equipment foundation
9	DM plant
10	Silo for Ash Handling (2nos)

Sub Unit:II: Cooling Towers total 4 Nos.

SL	Material Available
1	Cooling Tower There are four nos. of cooling tower having six numbers of cell in each cooling tower

Sub Unit:III: FIRE FIGHTING ; Mulsifier AND POTABLE WATER SYSTEM

Sl.No	Sub-Parts available
1	Fire water pump with drive and piping
2	Mulsifier system
3	Potable water system

Sub Unit:IV: MISCELLANEOUS ITEMS (MATERIALS & EQUIPMENTS)

Sl.No	Sub-Parts available
1	EOT
2	Centrifuge
3	AC plants
4	Battery Bank & charger -
5	i) Goods Lift – Complete with lift drive unit , drive motor, control devices, safety gears, buffers, guides, electrical system and other connected accessories.
6	ii) Passenger Lift - Complete with lift drive unit , drive motor, control devices, safety gears, buffers, guides, electrical system and other connected accessories.
7	Machinery parts and electrical items etc
8	ESP Building
9	DG set Building
10	Removal of all powerhouse equipment foundation
11	DM plant
12	Silo for Ash Handling (2nos)
13	Compressor House 2 nos.HOR.compressor(no motor) 1no. skid mounted air drier unit 3nos.Ingersoll rand ver. compressor with motor 5nos. air receiver Piping etc.
14	Compressor House 2 nos.HOR.compressor(no motor) 1no. skid mounted air drier unit 3nos.Ingersoll rand ver. compressor with motor

	5nos. air receiver Piping etc.
15	Mechanical work shop

Water supply and Treatment system (including D.M.Plant)

Sl.No	Sub-Parts available
1	Raw water pump house of water supply system
2	Filter water lines,
3	Surge tank, pipe lines
4	Clarifloculators
5	Alum agitators, filter bed, filter
6	Water pumps
7	DM plant (including , caustic tank, acid measuring tank, neutralizing plant.
8	Cation & anion vessel of DM Plant
9	mixed bed exchanger
10	De-gasified water spray system

STORES:

There are **16 stores** at different departments such as Electrical, Chemical & Miscellaneous, Boiler, Turbine, and Coal Handling Plant.

Items available in the stores are **valves , bearings ,motors ,current transformers ,DC motors, steel bar, brass bars , aluminum bars , iron sheds, boiler valves , LC Heaters etc.**

Photographs from STPS:

The pictures shown below are indicative in nature. Customers are advised to inspect the material.

Crusher house



Boiler structure

Burner in unit no 4



T.P with pulley



ESP



Turbo Generator set



DM Plant



FD Fan



Stores

