

NABINAGAR SUPER THERMAL POWER PROJECT (3 X 660 MW)

SCOPE MATRIX

Following defines the scope of supply and work responsibility between Vendor and Bharat Heavy Electricals Ltd. (BHEL) for 2 no. Stacker cum reclaimer

Sr. No	Description	By Vendor	By BHEL
A	MECHANICAL		
1	Complete Design, manufacture and supply of 2 no. Stacker cum reclaimer.	Yes	X
2	Design, manufacture and supply of 2 set of rails and rail fixtures, end stop for stacker cum reclaimer as per tender specification.	Yes	X
3	Provision for piping and connection for refill of storage tank on machine, along full length of storage (If Applicable)	Yes	X
4	Design and drawing for counter weight as per tender specification.	Yes	X
5	Supply of counter weight for stacker cum reclaimer.	Yes	X
6	Design, supply of belt weigher on for boom conveyors.	Yes	X
7	First fill of lubricants and hydraulic fluids.	Yes	X
8	Mandatory spares as per list attached.	Yes	X
9	Commissioning spares.	Yes	X
10	Erection (incl. site assembly), testing & commissioning of equipment.	Yes	X
11	Load data and GA drawing of Travelling boom stacker cum bucket wheel boom reclaimer having unidirectional yard conveyor.	Yes	X
12	Design, manufacture and supply of 2 set of yard conveyor including technological support, input / output couplings, gear box, discharge Chute, skirt plate, horizontal gravity take up, belt sway switches, pull cord switches and zero speed switches.	X	Yes
14	Any other scope as per NTPC specifications but not covered above	Yes	X
15	Design, manufacture, supply and installation of any water or chemical based dust suppression system(if required) at transfer points of material on the stacker cum reclaimer.	Yes	X
16	Fire fighting system(if required) for stacker cum reclaimer	Yes	X

Sr. No	Description	BY Vendor	By BHEL
B	ELECTRICALS & CONTROL AND INSTRUMENTATION		
1	Complete electrical system inside the machine including LT Switch gear, LT Transformer, push button station, including MLDB, lighting transformer, HT/LT Power cables , control / screen/trailing cables, cable accessories, cable trays & supports, fire extinguishers etc.	Yes	X
2	PLC, control desk /control panel for control and monitoring, interfacing with the main CHP PLC for control and monitoring as per tender specification with required hardware and software.	Yes	X
3	Power supply to mid point of the storage yard terminated at the junction box.	X	Yes
4	All works/supply/erection from the output side termination on power JB onwards	Yes	X
5	Power supply cables, control cables, junction boxes and MCC for yard conveyors.	X	Yes
6	Stockyard lighting	X	Yes
7	Illumination inside the stacker cum reclaimer	Yes	X
8	PA System(if applicable)	Yes	X
9	Earthing material for Stacker cum Reclaimer.	Yes	X
10	Construction power provided by BHEL at one point in nearest JT or crusher house. Further distribution by Vendor	X	Yes
14	Any other scope as per NTPC specifications but not covered above	Yes	X
C	CIVIL		
1	Civil design and construction work of any nature.	X	Yes
2	Earth pits, if any	X	Yes
3	Civil Design and drawings rail foundation of Stacker & Reclaimer.	X	Yes
4	Super structure, cover for yard conveyor, if any	X	Yes
5	Design, fabrication, supply and installation of all transfer towers, Horizontal/ Vertical gravity take up tower.	X	Yes
6	Any other civil information /details/drawings as required for carrying out civil works by BHEL.	Yes	X
7	Site office for vendor, storage yard, fabrication yard	Yes	X

D	ERECTION AND COMMISSIONING		
1	Erection and commissioning of the stacker reclaimer and handing over to customer.	Yes	X
2	Any other equipment not specifically included above but related to stacker cum reclaimer erection & commissioning.	Yes	X
E	COMMERCIAL		
1	Transit Insurance.	Yes	X
2	Taxes, duties & levies of any nature.	Yes	X
3	Transportation of equipment to site and handling of equipment within the site up to the place of commissioning.	Yes	X
F	ENGINEERING		
1	Complete set of drawings as required by NTPC / BHEL, Write ups, Erection Manuals, O&M Manuals etc including getting the drawings approved from NTPC	Yes	X