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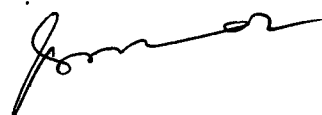


TECHNICAL SPECIFICATIONS OF 70 MT CLASS CRANE

SL.NO	DESCRIPTION	REQUIREMENT
1	TYPE	Crawler mounted Lattice boom crane
2	Lifting capacity	70 to 80 MT
3	Minimum Working Radius	As per design to suit the Maximum Lifting capacity
4	Minimum length of Basic boom (lower boom + upper boom)	Suitable for maximum lifting capacity.
5	Minimum length of Main boom	45to50Mtr with any boom insert combination as per design
6	Minimum length of Jib	9.0 mtr with any main boom combination as per design
7	Operations	Boom Hoist, Main hoist, Auxiliary hoist, swing and travel etc.
8	Swing system	To be provided 360° rotation
9	ENGINE	Suitable capacity, water cooled Fuel injection type Diesel Engine with Turbo charger.
10	Engine Make	Any Reputed make preferably Cummins
11	Operator's cabin	Totally enclosed, full vision cabin fitted with safety glass, high backed seat with arm rest for operators. Console for Aux controls and instruments. Air conditioner, illumination and wind shield wiper.
12	Electrical system	24V DC
13	Brakes	Suitable brake system as per design
14	Drums	Main hoist, Boom hoist, Aux hoist with adequate capacity to hold wire ropes



SL.NO	DESCRIPTION	REQUIREMENT
15	Wire ropes	Suitable wire ropes for all drums with adequate length.
16	Counter weights	Suitable counter weights as per design
17	Crawlers	Suitable crawler assemblies
18	Gauges	Fuel level, temperature gauge, hour meter and tachometer, Lube oil pressure gauge, Battery ampere meter and Ignition indicator etc.
19	Hook blocks	One Hook block for maximum rated capacity of the main crane offered shall be provided with the crane. In addition one number rated capacity suitable Ball hook with wedge and socket shall be provided for Jib operation.
20	Safety devices	Hook over hoist prevention device Boom over hoist prevention device Boom angle Indicator Boom hoist, Main hoist & Aux. hoist drum locks, lever locks, Swing lock, Boom Backstop limit switch etc
21	Tool Kit	Tool kit for normal maintenance of the crane should be provided along with machine in a tool box. A list of tools shall be provided in the offer.



SL.NO	DESCRIPTION	REQUIREMENT
22	Experience & qualification	Bidders should have been manufacturing and supplying crawler/mobile crane of quoted capacity or higher for at least past 2 years Offered model shall be in current manufacturing range.
23	Commissioning	Supervision of assembly and commissioning of cranes at BHEL sites shall be provided by the supplier without any additional charges.
24	Spare parts	Mandatory spares for two years of operation to be supplied by the Vendor with the crane
25	Inspection	Crane shall be inspected and load tested at manufacturer's works and at BHEL site as per manufacturer's quality Plan. At site, load test shall be carried out with available loads.
26	Training	For each crane, necessary training for operation & maintenance shall be given to BHEL personnel free of charge at site during commissioning
27	Documentation	3 sets of O & M manuals along with Equipment part list and shop manual for each cranes shall be submitted during the time of delivery of the equipment.

