10. September 2011. September	01	BROAD SPECIFICATIONS/PARTICULARS OF CRANE REQUIRED FOR ERECTION OF UP
Description— Crawler Mounted Latice Boom Hydraulic Crane. 2 Standard—As per DIN/ISO/ANSI/BIS Standard. 3 Stability rating—75% 4 Critical Loads to be handled by offered crane (360° slew)— (a) Minimum 265 MT below hook at minimum 18 M radius with minimum clear height of 116 M under hook. This requirement can be met with main boom or with suitable boom & jib combination. The hook block with a ceiling girder flange width of 1.5 M must not foul with the boom at girder elevation (top of girder) of 11 M. At this elevation, a minimum clearance of 300 M must exist between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange shall be submitted with the technical offer. (b) Minimum 10 MT below hook at minimum 50 M radius with minimum clear height of 140 M under hook with visualizable boom and gifting sings shall be deducted from the lifting capacity of the crane to meet above requirements. 5 Boom holeting, slewing, maln/aux, holsting, travel drives etc.; ALL Hydraulic drives. 6 Central Ballast- Base Frame for full ballast to meet offered load chart. 7 Engine—Turbo charged water/ coolant-cooled diesel engine of adequate power, preferably cumulation motions, drum with integrated planetary and spring applied hydraulicially released discount planetary and planetary and spring applied h	SI.	TO 660/800MW BOILERS (As finalized in a meeting of Facility Enga Heads of all Regions and Representative of
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2 Standard—As per DINISO/ANSI/BIS Standard. 3 Stability rating—75% 4 Critical Loads to be handled by offered crane (380° slew)— (a) Minimum 286 MT below hook at minimum 18 M radius with minimum clear height of 116 M under hook. This requirement can be met with main boom or with suitable boom 8, jib combination. The hook block with a ceiling gider flange width of 1.5 M must not foul with the boom at girder elevation (top of girder) of 111 M. At this elevation, a minimum clearance of 300 M must exist between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange, A lifting drawing showing clearances between the boom and the girder flange shall be submitted with the technical offer. (b) Minimum 10 MT below hook at minimum 50 M radius with minimum clear height of 140 M under hook with suitable capacity enhancer. Weight of hook block and lifting sings shall be deducted from the lifting capacity of the crane to meet above requirements. 5 Boom hosting, slewing, malin/aux. hoisting, travel drives etc.; ALL Hydraulic drives. 6 Central Ballast—Base Frame for full ballast to meet offered load chart. 7 Engine—Turbo charged water/ coolant-cooled diesel engine of adequate power, preferably CUMMINS/CATERPILLAR make. 8 Winches—All four winches (main hoist, jib hoist and boom/derrick hoist) to be operated by hydraulic motors, drum with integrated planetary and spring applied hydraulically released disc brake. 9 Crane Cabin—Spacious cabin, swiveling sidewise with operating and control/monitoring instruments. 10 City of devices when exceeding the permissible load moments. Electronic control to sop all dangerous operation in case of instability. Safe load indicator with	1	
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21	After Sales Service Facility: The manufacturer or his authorized service provider shall have suitable infrastructure in India to adequately take care of after sales servicing/repairs of the crane. 6 periodic service visits each of 2 days duration shall be provided by the Service Engineer of the Indian Agent & 3 visits shall be provided by the manufacturer service engineer during warranty period.
22	Inspection— Crane shall be inspected and load tested at manufacturers' works and at BHEL site as per international norms and mutually accepted quality plan, according to the load charts supplied along with the offer.
23	Training— For each crane, necessary training for operation & maintenance shall be given to two BHEL personnel free of charge for 2 weeks at manufacturers works and again at site for another 2 weeks during commissioning.
24	Drawing / Documentation 3 sets—Operation and Maintenance manual along with equipment part list, shop manual(for bought out items) boom repair manuals are to be submitted to the customer during the time of delivery of the equipment.

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