

WEX&S / Cranes & Lifting tackles section

TENDER NOTICE No. : WE&CS/CMX/CRN/09-10/EN/05

SCOPE OF WORK (For AMC work of EOT/Jib/Goliath/Semi-Goliath, etc. Cranes, Electro-Mechanical & Structural Maintenance Work)

The work mainly comprises of Preventive Maintenance and Breakdown maintenance and general up keep of :

A) **EOT CRANES** : This includes Goliath, Semi-goliath crane in addition to Electric overhead Traveling crane (Approx. 235 Nos varying from 1 Ton to 250/50/10 Ton). 7 Nos state of art crane portion of **ASRS** (automatic storage retrieval system wherein 2 Ton stacker Crane is involved).

B) **JIB CRANES** : These Jibs possesses hoist of SWIFT, MUNK, TAK,J.K.,Indef, TITAN etc varying from 350 Kgs to 3 Ton. (Approx. 500 Nos.)

1.1 EOT CRANE

Here, the work includes monthly check-ups , Preventive and breakdown maintenance of the EOT Cranes, its DSL , Main switches distribution boards etc . in both shifts including work in our weekly off. (However, during production peek; work in the third shift may also be done in some areas as instructed by the incharge crane section).

1.1.1 Each of the major production block area is required to be supervised by competent supervisor for carrying out day -to- day work and preventive maintenance work efficiently .

1.1.2 Preventive Maintenance work of EOT Cranes (Twice a year for each crane) should confirms to our check list provided with the PM docket.

1.1.3 Total Nos of EOT Cranes is around 235 , any additional crane(s) (if it adds. For the year 2009-10; 6 Nos EOT Cranes are likely to be inducted) should be covered automatically under the purview of this contract.

1.1.4 As our company being accorded with ISO-9001, ISO-14000 , OHSAS 18001, You are requested to carry out qualitative work and environment friendly activities and necessary documentation /paper work for the purpose shall also be maintained.

1.2 JIB CRANE

1.2.1 Daily Breakdown work and Preventive Maintenance (Twice in a year) shall be done as per the instruction issued by the department. In a year , one time major Preventive maintenance work shall be carried out after lowering of Hoist. For this necessary documentation shall be done/ maintained. The breakdown maintenance will be carried out immediately on receipt of complaint by the contractor's personnel/engineer who shall be posted for full time in 1st & 2nd shifts. The place for stationing the contractor's personnel inside the works shall be provided by BHEL.

1.2.2 Total Number of jib cranes are in the tune of 500 Nos. Any other Jib crane (s) added hereafter has to be covered under the purview of this contract. As Jib Cranes are

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relocated to other locations as per the requirement of Production & also Hoist are replaced by new generation hoist or due to urgency of work).

1.3 The maintenance and repairs will be done on labour basis while the spares and components as required shall be provided by BHEL. The defective parts replaced, shall also be repaired by the contractor to the extent possible free of cost. The components needed for such repairs shall be provided by BHEL.

1.4 The contractor's engineer must be equipped with all the test equipment, special tools, multimeters, RF POWER/ Frequency meter etc. needed for repairs of electrical systems.

1.5 Contractor's Engineer/electrician must be minimum ITI (Electronic's) & should have sufficient exposure on repairing RF equipment and micro processor based system.

2. PERIOD OF CONTRACT

The period of contract will be for two years. i.e from 01-10-2009 to 30-09-2011 on 2- shift basis work excepting. In case of demand from the concerned production, the II shift & III shift basis working may be required to cater the needs of the production peak period.

3. Other applicable terms & Conditions .

3.1 Contractor shall arrange his own tools and tackles for removal, dismantling , assembling and reinstallation of hoist /motors/Gear boxes etc. However, all spares including consumables like gear oil, Thruster oil, Dash-pot oil, electrodes , grease, cotton waste contactors, relays, etc, facilities like gas cutting, welding, machining facility , repair , rewinding of motors, coils, etc shall be provided by BHEL at free - of cost at ground level . But vigilant action for better parts / methods are to be adopted voluntarily by the contractor to minimise the break- down time.

3.2 Sufficient staff shall be maintained by the contractor for the work mentioned . A responsible and competent supervisor shall be posted at each of the major area/block to coordinate and supervise the work in each shift .

3.3 Contractor shall maintain all records like work requisition forms, spares list ,all other records pertaining to his work .

3.4 A Daily breakdown report and monthly breakdown report, Preventive Maintenance Completion report and report of major work is to be submitted to the in -charge crane section after their endorsement from concerned Block Maintenance Incharge.