



सत्यमेव जयते

GOVERNMENT OF INDIA
BHABHA ATOMIC RESEARCH CENTRE
MATERIALS GROUP
POWDER METALLURGY DIVISION

Vashi Complex
Navi Mumbai-400703

Tel : 91-22-2788 7158
Fax : 91-22-2784 0032

Ref.: PMD/MHE/Tender Inv/2018/233642

Dec 06th, 2018
07)

Sub.: **Maintenance, testing, certification of chain electronics hoist, chain pulley block, wire rope hoist and pressure vessel testing as per enclosed annexure A**

For & on behalf of the President of India, quotation in sealed cover is invited for the above-mentioned work at Powder Metallurgy Division, BARC Vashi Complex, Navi Mumbai-400703. The quotation in sealed cover superscribed as "**Maintenance, testing & certification of chain electronics hoist, chain pulley block, wire rope hoist and pressure vessel testing as per enclosed annexure A**" and addressed to Shri Rajesh Kharwar SO/D, Powder Metallurgy Division, BARC Vashi Complex, Sector 20 Vashi, Navi Mumbai -400703, should reach him on or before 17.12.2018 by 17:30 with **Speed Post/Registered post** only.

The scope of work in annexure A are enclosed herewith. The tenderer should write the rate quoted by him in words as well as in figures. All corrections must be attested by the dated initials of the tenderer.

The time allowed for completion of work/job is 40 working days. The same shall be reckoned from the date of issue of work order. The acceptance of the tender rests upon the undersigned with a right to reject the tender in full or part without assigning any reason.

Thanking you,

Yours faithfully,

(Rajesh Kharwar)
SO/D, PMD

Through

(P.K. Sinha)

Head, Powder Metallurgy Division

Head, SIRD, BARC for kind display in BARC website

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APO, GEN, DCSEM
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With request to display on notice boards

Annexure- A

Maintenance, testing and certification of chain electronics hoist, chain pulley block, wire rope hoist and Pressure vessel testing, as per annexure in PMD, Vashi Complex as per the details provided below:

- (1) The following mentioned list are the material handling equipment in PMD, Vashi Complex which requires to be tested.
 - a. Indef baby chain electric hoist with gear trolley capacity 500 kg (3 mtr lift)
 - b. Indef baby chain electric hoist with gear trolley capacity 500 kg (5 mtr lift).
 - c. Indef baby chain electric hoist with gear trolley capacity 1 ton (5 mtr lift).
 - d. Speed chain pulley block with gear trolley capacity 1 ton (5 mtr lift)
 - e. Wire rope hoist with electric trolley capacity 2 ton (pay load 500 kg); 5 mtr lift
 - f. Indef make wire rope hoist with electric trolley capacity-2 ton, 2 fall (6 mtr lift)
 - g. Indef make wire rope hoist with electric trolley cap- 2 ton , 4 fall (6 mtr lift)
 - h. Indef make chain electric hoist capacity 1 ton (5 mtr lift)
 - i. Indef make wire rope hoist with electric trolley cap- 2 ton, 4 fall (6 mtr lift)
 - j. Indef make wire rope hoist with electric trolley cap- 2 ton, 4 fall (6 mtr lift)
 - k. Indef make "p" series chain pulley block with hook suspension capacity 3 ton (6 mtr lift)

Major maintenance details of material handling are mentioned below

Mechanical jobs

Guide Rail checking & cleaning CT
Wire rope checking & cleaning.
Rope clamp checking & tightening.
Drum Groove checking & cleaning.
Lower block pulley checking, cleaning & greasing.
Lower block hook checking, cleaning & tightening.
Hoist motor nut bolts Checking & tightening.
Limit switch lever checking & alignment.
Gear box checking, cleaning & greasing/ oiling.

Electrical jobs

Checking of CT & Hoist Limit switches.
Hoisting motor checking
Brake checking & setting
Panel Board wiring checking
Panel board contactor checking.
Control push button checking.

Lubrication

Checking the level and conditions of oil & grease for all the gear boxes.

Lubricating wire rope, guide wheels, guide pulley, pinion & ball bearing.

Pressure vessel testing

name of tank	capacity	Ope. press	moc	nature of chemical
Acid Egg tank	500 lits	2.5 bar	SS316	Lean fluoride sol
compressed air tank	200 lits	3.5 bar	MS	air

(2) The servicing of the above equipment which will involve dismantling the same and then inspecting and necessary oiling. Any defective components observed should be brought to our notice so that suitable replacements can be arranged. The necessary scaffold will be provided by us however the rest of the tools and other servicing equipment is in the supplier's scope. It is to be noted that some of the material handling equipment is located above plant equipment and may not be easily accessible and suitable adjustments should be made by the supplier.

(3) All the service personnel deputed by the supplier to work at our site should have police verification certificate.

(4) Test reports for all the above-mentioned material handling equipment have to be provided by the party.

(5) Load for testing the MHE's will be given by us but at each location of MHE,s load shifting arrangement will be in contractor scope.

(6) The work may involve at height of 7 m for some MHE,s; the firm may use proper scaffolding structures, helmet, safety belt and necessary safety gears required for work.

(7) All bricks have to be applied with two coats of red oxide and black color Asian Paint.

(8) Load test certificate for each MHE, s should be given by party at format provided by us.



(Rajesh Kharwar)
SO/D, PMD