

ANNEXURE- 'C' Rev '00'
(PI NO. - 240273844)

A. Specification for Chain Pulley Block 1.5 T:

1. Chain pulley block shall, in general, confirm to **IS: 3832-2005**.
2. Application: For lifting hydro turbine equipments in hydro power station.
3. Description: Main components of the chain pulley block should be of the following specification:-
 - 3.1 Hook: Steel forgings to **IS: 15560-2005** to withstand shock loads. Should be designed to rotate and swivel freely.
 - 3.2 Load Chain: Alloy steel link chain heat treated & calibrated conforming to Gr. 80 IS 6216.
 - 3.3 Load wheel: Made of steel casting conforming to **IS: 3832**, suitably heat treated and mounted on Needle /Ball Bearings for smooth operations.
 - 3.4 Brake: Screw & friction disc type, self actuating load pressure brake ensuring safety.
4. Chain Pulley Block should conform to IS testing requirements. Chain pulley block is to be tested to 50% overload.
5. (i) Capacity: 1.5 Ton
(ii) Hook travel (lift): 2.5 metres
(iii) Operating chain height from pulley centre line: 2.5 metres
6. Chain pulley block shall be suitable for mounting on 2-T capacity monorail geared travel trolley of I-Beam ISMB 200 x 100.

B. General clauses:

- a) Packing: All items are to be packed in wooden boxes to avoid damage during transit.
- b) Test certificates: 6 copies of test certificates consisting of material tests, load tests and confirmation certificates of equipment as per IS.
- c) Guarantee certificates: Equipment should be guaranteed for 24 months after despatch or 18 months from commissioning.
- d) Inspection: The equipment will be inspected by **BHEL safety Division**. Minimum two weeks advance notice is to be given by the supplier.
- e) Two sets of catalogue to be submitted by supplier along with the offer, without which, the offer will be considered incomplete.
- f) Six sets of catalogue and O&M instruction shall be furnished at time of delivery.