

 BHEL-EMRP MUMBAI	TECHNICAL SPECIFICATION (PART-II) FOR MECHANICAL WORKSHOP ITEMS	SPECIFICATION NO. EM-MHPA-2912-12-PTS-05	
		Rev. No	00
	4X180 MW MANGDECHCHU HEP	Rev Date	25/06/2016

PARTICULAR TECHNICAL SPECIFICATIONS

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PREPARED BY	CHECKED & APPROVED BY

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Annexure III

Details of Equipment

Bidder must quote the material code number, material description & quantity offered in their quotation /bid, as specified below. Bidder's alternate description can also be given in separate column.
Completeness of Equipment

Each of the equipment listed shall be complete with applicable accessories like power supply main leads, screened guard leads, screened line test leads, earth leads, connectors and clips, leather carrying case, fasteners/washers/nuts/anchoring bolts/etc required for erection and commissioning and any other accessories required for completing the equipment.

Sl.No	Item specification	QAP	Details of Equipment offered by the Bidder	
			Make **	Model & Catalogue No
1	<u>Battery operated fork lifter (1No.)</u> Battery operated fork lifter of 3 ton capacity for use inside the Power house along with drum handling and crane arm attachments. + Spare parts III-A	28-7	Godrej, Voltas, Jost	
2	<u>Hand operated Handling Cart (2 Nos.)</u> Hand operated handling cart of 1 ton capacity for use inside the Power house. + Spare parts III-A	NA	Godrej, Voltas, Jost, Mahindra Stiller	
3	<u>Hydraulic platform (1 No.)</u> A working hydraulic platform shall be provided which shall be hydraulic Operated of 1T capacity for a height upto 3m. + Spare parts III-A	NA	Godrej, Voltas, Jost, Mahindra Stiller	

(** Pl tick on the offered make)

QUALITY ASSURANCE PLAN (MODEL)

PROJECT : MANGDECHHU H.E. PROJECT, BHUTAN

CLIENT : MANGDECHHU HYDROELECTRIC PROJECT AUTHORITY.

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VENDOR NAME & ADDRESS :

NITP.O. REFERENCE :

S. No.	NAME OF ITEM/COMPONENTS & CHARACTERISTICS	NATURE OF CHECKS	QUANTUM OF CHECKS	REFERENCE DOCUMENTS/ ACCEPTANCE NORMS	RECORD FORMAT	INSP. AGENCY		REMARKS
						Particip	Witness	
1	Battery	Visual	100%	Test. Spec/ Relevant Standard	TC	3/2	-	TC
2	Make, Type & Capacity	-do-	-do-	-do-	TC	3/2	-	TC
3	Drive Motor	-do-	-do-	-do-	TC	3/2	-	TC
4	Make, Model & Type	-do-	-do-	-do-	TC	3/2	-	TC
5	RPM, Voltage & HP	-do-	-do-	-do-	TC	3/2	-	TC
6	Instrument Panel - Starting Switch, indicators, Alarms, Gauges etc.	-do-	-do-	-do-	TC	3/2	-	TC
7	Make, Type & Rating	-do-	-do-	-do-	TC	3/2	-	TC
8	Battery Charger	-do-	-do-	-do-	TC	3/2	-	TC
9	Make & Rating	-do-	-do-	-do-	TC	3/2	-	TC
10	Routine Test	-do-	-do-	-do-	TC	3/2	-	TC
11	Hydraulic Pump Motor (if fitted)	-do-	-do-	-do-	TC	3/2	-	TC
12	Make, Type & Capacity	-do-	-do-	-do-	TC	3/2	-	TC
13	Drive Unit (Double Induction Spur)	-do-	-do-	-do-	TC	3/2	-	TC
14	Make, Speed Range	-do-	-do-	-do-	TC	3/2	-	TC
15	Brake (Shoe Type Spring Actuated)	-do-	-do-	-do-	TC	3/2	-	TC
16	Type & Dimension	-do-	-do-	-do-	TC	3/2	-	TC
17	Make, Size & Ply Rating	-do-	-do-	-do-	TC	3/2	-	TC
18	Dimensional Check	-do-	-do-	-do-	TC	3/2	-	TC
19	Overall Dimension	-do-	-do-	-do-	TC	3/2	-	TC
20	Height of Lift - Full Load	-do-	-do-	-do-	TC	3/2	-	TC
21	Height of Lift - No Load	-do-	-do-	-do-	TC	3/2	-	TC
22	Lift Speed at Full Load	-do-	-do-	-do-	TC	3/2	-	TC
23	Lowering Speed at Full Load	-do-	-do-	-do-	TC	3/2	-	TC
24	Traction Speed	-do-	-do-	-do-	TC	3/2	-	TC
25	Tilting Speed of Mast	-do-	-do-	-do-	TC	3/2	-	TC
26	Drive Motor Gradability	-do-	-do-	-do-	TC	3/2	-	TC
27	No. of Speeds	-do-	-do-	-do-	TC	3/2	-	TC
28	Turn Radius	-do-	-do-	-do-	TC	3/2	-	TC
29	Lifting, Lowering & Tilting	-do-	-do-	-do-	TC	3/2	-	TC

a. If '1' is entered in the 'Particip' column, it will indicate 'NHPA', 2 - will indicate 'Supplier' & 3 - will indicate 'Subsidiary'.

b. In 'F' column following abbreviations shall be used - R/R - Review of Records, T.C. - Test Certificate Submission & CHP - Customer Hold Point.

c. Test cases shall be submitted at the time of final inspection.

Signature
M:IPA (Client)Signature
NHPA (Consultant)Signature & Seal
Vendor