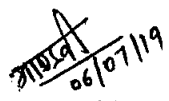


 BHEL-EMRP MUMBAI	TECHNICAL SPECIFICATION (PART-II) FOR MECHANICAL WORKSHOP ITEMS	SPECIFICATION NO. EM-MHPA-MGD-MWS-PTS-13	
		Rev. No	00
	4X180 MW MANGDECHCHU HEP	Rev Date	06/07/2019

PARTICULAR TECHNICAL SPECIFICATIONS

 Vimlanshu Prawal Horo Sr. Engineer	 Mandvi Gupta Sr. Manager
PREPARED BY	CHECKED & APPROVED BY

 BHEL-EMRP MUMBAI	TECHNICAL SPECIFICATION (PART-II)		SPECIFICATION NO.	
	FOR		EM-MHPA-MGD-MWS-PTS-13	
	MECHANICAL WORKSHOP ITEMS		Rev. No	00
	4X180 MW MANGDECHCHU HEP		Rev Date	06/07/2019

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	Voltas	

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 :

NAME OF

EQUIPMENT : Workshop Equipment - Fork Lifter

S. No.	ITEM /COMPONENTS & CHARACTERISTICS	NATURE OF CHECKS	QUANTUM OF CHECKS	REFERENCE DOCUMENTS/ ACCEPTANCE NORMS	RECORD FORMAT	INSP. AGENCY			REMARKS
						Perform	Witness	Verify	
	Battery								
	Make, Type & Capacity	Visual	100%	Tech. Spec./ Relevant Standard	TC	3/2	-	1	TC
	Drive Motor								
	Make, Model & Type	-do-	-do-	-do-	TC	3/2	-	1	TC
b)	RPM, Voltage & HP	-do-	-do-	-do-	TC	3/2	-	1	TC
3	Instrument Panel - Starting Switch, Indicators, Alarms, Gauges etc.								
	Make, Type & Rating	-do-	-do-	-do-	TC	3/2	-	1	TC
4	Battery Charger								
a)	Make & Rating	-do-	-do-	-do-	TC	3/2	-	1	TC
b)	Routine Test	Test	-do-	-do-	TC	3/2	-	1	TC
5	Hydraulic Pump Motor (If fitted)								
	Make, Type & Capacity	Visual	-do-	-do-	TC	3/2	-	1	TC
6	Drive Unit (Double Induction Spur)								
	Make, Speed Range	-do-	-do-	-do-	TC	3/2	-	1	TC
7	Brake (Shoe Type Spring Actuated)								
	Type & Dimension	-do-	-do-	-do-	TC	3/2	-	1	TC
8	Tyre								
	Make, Size & Ply Rating	-do-	-do-	-do-	TC	3/2	-	1	TC
9	Dimensional Check								
i)	Overall Dimension	Measurement	-do-	-do-	JIR	3/2	1	-	CHP
ii)	Height of Lift - Full Load	-do-	-do-	-do-	JIR	3/2	1	-	CHP
iii)	Height of Lift - No Load	-do-	-do-	-do-	JIR	3/2	1	-	CHP
iv)	Lift Speed at Full Load	-do-	-do-	-do-	JIR	3/2	1	-	CHP
v)	Lowering Speed at Full Load	-do-	-do-	-do-	JIR	3/2	1	-	CHP
vi)	Traction Speed	-do-	-do-	-do-	JIR	3/2	1	-	CHP
vii)	Tilting Speed of Mast	-do-	-do-	-do-	JIR	3/2	1	-	CHP
	Drive Motor Gradeability	-do-	-do-	-do-	TC	3/2	-	1	TC
e	No. of Speeds	-do-	-do-	-do-	TC	3/2	-	1	TC
x)	Min Radius	-do-	-do-	-do-	JIR	3/2	1	-	CHP
xi)	of Lifting, Lowering & Tilting	Functional	-do-	-do-	JIR	3/2	1	-	CHP

a. In the Inspection Agency column figure 1,2, or 3 to be filled. 1- will indicate 'MHPA', 2- will indicate 'supplier' & 3- will indicate 'sub-supplier'.

b. In the Remarks column following abbreviations shall be used - RR-Review of Records, T.C. - Test Certificate Submission & CHP - Customer Hold Point.

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

Signature
MHPA (Client)

Signature
NHPC (Consultant)

Signature & Seal
Vendor



MODAL QAP