PARTICULAR TECHNICAL SPECIFICATIONS

Vimlanshu Prawal Horo Sr. Engineer	06/05/19 Mandvi Gupta Sr. Manager
PREPARED BY	**CHECKED & APPROVED BY**

Annexure III

Details of Equipments

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	Model QAP No.	Details of Equipment offered by the Bidder	
			Make	Model & Catalogue No
4	**Power Hacksaw (1 No.)** Power hacksaw shall be suitable for operation with 415V±10 %, 50Hz±5% power supply with following particulars: Cutting capacity: i)Round section (mm) 300 ii) Rectangular section (mm) 250x250 iii) Stroke per minute 60 to 100 The following standard accessories shall be provided with both the hacksaws: a) One (1), coolant tank (with chips separator) b) One (1) set of Electrically driven coolant Pump with motor and coolant piping and nozzle, c) Fifty (50) power blades extra, d) One (1) adjustable bar rest, e) One (1) V shape vice jaws to cut material in bundle, f) Emergency stop push button. + Spare Parts III-A	**28-2 & 28-5**	EIFCO make only	

Annexure –IV

SCHEDULE OF GUARANTEED TECHNICAL PARTICULAR
(Bids are liable to be rejected if the bidder does not furnish the technical data)

SL. NO	Description	To be filled by the Bidders
	1.0 Power Hacksaw	
1.	Name of manufacturer	
2.	Type ,Model	
3.	Standard to which conforms.	
4.	Voltage & frequency rating	
5.	Cutting capacity (in round & Rectangular sec.)	
6.	Strokes per minute	
7.	Length of stroke	
8.	Main motor rating & Type	
9.	RPM	
10.	Cooling Equipment type	
11.	Class of insulation of motor	
12.	Overall Dimension	
13.	Gross Weight	

QUALITY ASSURANCE PLAN

PROJECT : MANGDECHHU H.E.PROJECT, BHUTAN CLIENT: MANGDECHHU HYDROELECTRIC PROJECT AUTHORITY. Page: 28-2

VENDOR NAME & ADDRESS:

NIT/P.O. REFERENCE :

IF

ENT : Workshop Equipment- Misc equip

	ITEM /COMPONENTS & CHARACTERISTICS	NATURE OF CHECKS	QUANTUM OF CHECKS	REFERENCE DOCUMENTS/ ACCEPTANCE NORMS	RECORD FORMAT	INSP. AGENCY			REMARKS
						Perform	Witness	Verify	
	Hand Drilling M/c, Portable Magnetic Electrical Drilling M/c, Double Ended Grinding M/c, Power Hacksaw, Pipe Bending M/c								
1	**Make, Model, Capacity of the Equipment**	Visual	100%		TC	3/2	-	1	TC
2	**Electric Motor**								
a)	Routine test	Visual	100%	-do-	TC	3/2	-	1	TC
3	**Control Panel**								
a)	Dimensional Check	Measurement	100%	-do-	IR	3/2	-	1	RR
b)	Functional Test of Relay & Protection	Visual	100%	-do-	TC	3/2	-	1	TC
4	**Assembly Test**								
a)	Functional Test :- Auto / Manual Mode	Visual	100%	-do-	JIR	3/2	1	-	CHP
b)	IR & HV Test	Visual	100%	-do-	TC	3/2	-	1	TC
c)	Accuracy of the Equipment	Visual	100%	-do-	TC	3/2	-	1	TC
d)	Routine Test	Test	100%	-do-	TC	3/2	-	1	TC
e)	Type Test	Test	Sample	-do-	TC	3/2	-	1	TC

. In 'Inspection Agency'column figure 1,2,or 3 to be filled. 1- will indicate 'MHPA', 2- will indicate 'supplier' & 3- will indicate 'sub-supplier'.
In 'Remarks' column following abbreviations shall be used - RR-Review of Records, T.C. - Test Certificate Submission & CHP - Customer Hold Point
Test certificates shall be submitted at the time of final inspection.

Signature
MHPA (Client)

Signature
NHPC (Consultant)

Signature & Seal
Vendor

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MODAL QAP

QUALITY ASSURANCE PLAN (MODEL)

PROJECT : MANGDECHHU H.E.PROJECT, BHUTAN CLIENT: MANGDECHHU HYDROELECTRIC PROJECT AUTHORITY. Page: 28-5

VENDOR NAME & ADDRESS :

NAME OF EQUIPMENT : Workshop Equipment - Power Hecksaw

NIT/P.O. REFERENCE :

	ITEM /COMPONENTS & CHARACTERISTICS	NATURE OF CHECKS	QUANTUM OF CHECKS	REFERENCE DOCUMENTS/ ACCEPTANCE NORMS	RECORD FORMAT	INSP. AGENCY			REMARKS
						Perform	Witness	Verify	
1	Make, Model, Type& Capacity of the Machine	Visual	100%	Tech. Spec./ Relevant Standard	TC	3/2	-	1	TC
2	Electric Motor								
a)	Make, Mode &Type	-do-	-do-	-do-	TC	3/2	-	1	TC
b)	Routine test	Test	-do-	-do-	TC	3/2	-	1	TC
c)	Type Test	-do-	Sample	-do-	TC	3/2	-	1	TC
3	Control Panel Component								
	Make, Mode & Rating	Visual	100%	-do-	TC	3/2	-	1	TC
4	Overall Dimension	Measurement	-do-	-do-	JIR	3/2	1	-	CHP
5	Stroke Length	-do-	-do-	-do-	JIR	3/2	1	-	CHP
6	Power feed	-do-	-do-	-do-	JIR	3/2	1	-	CHP
7	Functional Test of Machine & Control Equipments/accessories	Visual/ Measurement	-do-	-do-	JIR	3/2	1	-	CHP

Note: a. In '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 '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

INTERNATIONAL OPERATIONS DIVISION

MODAL QAP