



BHARAT HEAVY ELECTRICAL LIMITED

UNIT'S ADDRESS:

CONTACT PERSON'S NAME/DESIGN./PHONE NO./E-MAIL (FROM PURCHASE DEPTT.)

Enquiry No. :

Due Date :

Supplier Qtn. No.:

SPECIFICATION CUM COMPLIANCE CERTIFICATE OF HYDRAULIC S - BENDING TOOL

NOTE:-

1. Vendor must submit complete information against clause no. 8.0 (Qualifying Condition). The offer meeting this clause would only be processed.
2. Vendor to furnish the offer using this standard template of the specification. While furnishing the offer, no change is to be made in the first three columns (i.e. 'S.NO.', 'DESCRIPTION FOR BHEL REQUIREMENT' & 'ACTION BY VENDOR'). Only the "Offered" column and where applicable, the "Deviations" & "Remarks" Column of this format shall be filled in by the Vendor and submitted along with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specifications/requirements shall be treated as non-compliance.
3. The offer and all documents enclosed with offer should be in English language only.
4. Vendor should confirm/clarify/specify pointwise (all the points) as per specification and provide original technical leaflet, technical details, photograph, scope of supply etc. at the first instance.

NAME & ADDRESS OF THE SUPPLIER :

NAME & ADDRESS OF THE INDIAN AGENT :

TELEPHONE NOS.:

TELEPHONE NOS.:

FAX NOS.:

FAX NOS.:

E-MAIL ADDRESS :

E-MAIL ADDRESS :

SCOPE: SUPPLY OF " HYDRAULIC S - BENDING TOOL " COMPLYING WITH SPECIFICATION AS BELOW :

S. NO.	DESCRIPTION FOR BHEL REQUIREMENT	ACTION BY VENDOR	OFFERED	DEVIATIONS	REMARKS
1.0	PURPOSE & WORKPIECE MATERIAL				
1.1	Purpose : Hydraulic operated bending tool shall be used to make " S " type bend perpendicular to the width (refer Annexure - 1) on continuously transposed copper conductor, tool is to be supplied with suitable air hydraulic booster pump and accessories	VENDOR TO NOTE			
1.2	Work piece material : Continuously transposed Copper conductor of 45 mm width and 10 to 30 mm thick. (refer annexure -1)	VENDOR TO NOTE			
1.3	Quantity : 7 Set	VENDOR TO NOTE			
2.0	Scope of supply:- The bending tool should use a pull type hydraulic cylinder of minimum 50 KN capacity to achieve the required bend and should be supplied with suitable air hydraulic booster pump, hydraulic hose, solenoid valve, actuating switch, electric cable, spring balancer, and any other accessory required. A Photograph of existing tool in BHEL is attached for reference only (anexxure-2)	VENDOR TO CONFIRM			
2.1	TECHNICAL DETAILS TOOL:				
2.1.1	Jack : Pull type hydraulic cylinder.	VENDOR TO CONFIRM			
2.1.1.1	Capacity : 50 KN (Min.)	VENDOR TO CONFIRM			
2.1.1.2	Stroke : 0 to 50 mm (variability to be incorporated in tool)	VENDOR TO CONFIRM			
2.1.2	Pump : Air hydraulic booster pump (to be supplied with FRL unit).	VENDOR TO CONFIRM			
2.1.2.1	Air operating pressure : 1 to 8 bar	VENDOR TO CONFIRM			
2.1.2.2	Oil pressure at 5 bar (air pressure) : 240 bar	VENDOR TO CONFIRM			
2.1.2.3	Weight : 17 kg (maximum)	VENDOR TO CONFIRM			
2.1.3	Hydraulic hose : Minimum 10 feet length with suitable end fittings and working pressure 500 bar(minimum)	VENDOR TO CONFIRM			
2.1.4	Spring balancer : Suitable spring balancer to support the weight of the tool.	VENDOR TO CONFIRM			
2.1.5	Solenoid valve : Suitable solenoid valve for operation air hydraulic booster pump and actuation switch of the same should be mounted on the tool.	VENDOR TO CONFIRM			
3.0	COPPER CONDUCTOR (IN BHEL SCOPE) :				
3.1	Width : 45 mm.	VENDOR TO CONFIRM			
3.2	Height : 10 to 30 mm (variability to be incorporated in tool).	VENDOR TO CONFIRM			
4.0	BEND DETAILS : (for details see anexxure-1)				
4.1	Minimum offset : 2 mm.	VENDOR TO CONFIRM			
4.2	Maximum offset : 16 mm.	VENDOR TO CONFIRM			
4.3	Minimum bend length : 60 mm	VENDOR TO CONFIRM			
4.5	Maximum bend length : 90 mm.	VENDOR TO CONFIRM			
5.0	PACKING :				
5.1	Standard & rigid packing for tools and other supplied items / accessories to avoid any damage/loss in transit.	VENDOR TO CONFIRM			
6.0	GUARANTTEE :				
6.1	18 months from the date of acceptance of the tool.	VENDOR TO CONFIRM			

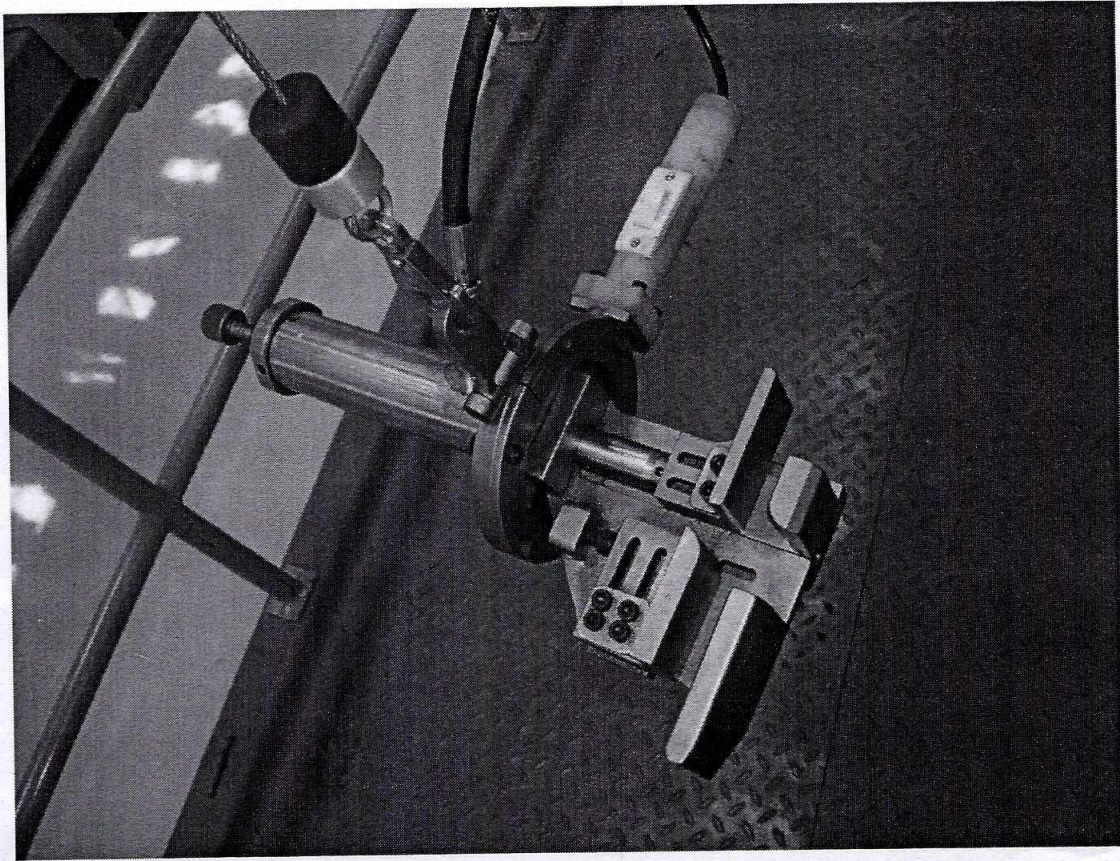



 13/10/19

S. NO.	DESCRIPTION FOR BIDDING REQUIREMENT	ACTION BY VENDOR	OFFERED	DEVIATIONS	REMARKS
7.0	GENERAL : The vendor should submit the following information:				
7.1	Make :	VENDOR TO SPECIFY			
7.2	Model No. :	VENDOR TO SPECIFY			
7.3	Total weight :	VENDOR TO SPECIFY			
7.4	Detailed catalogues / General Arrangement Drawing of Tool and accessories/ attachments should be submitted with the offer.	VENDOR TO FURNISH			
7.5	Vendor to mention make of booster pump and solenoid valve used in tool and also to submit the original gaurantee certificate and test certificate issued by OEM.	VENDOR TO CONFIRM & SPECIFY THE MAKE			
8.0	QUALIFYING CONDITIONS :				
8.1	The vendor should either be an Original Equipment Manufacturer (OEM) or authorized dealer of the OEM of the offered tool. Dealers have to submit valid Certificate of Authorization of the OEM for quoting for the tool. The Certificate of Authorization must be submitted along with the offer.	VENDOR TO CONFIRM			
8.2	The vendor or their OEM must have supplied at least one similar type of Hydraulic bending tool in the past five years from the tender opening date and such tool is working satisfactorily for more than one year after supply / acceptance.	VENDOR TO CONFIRM			
8.3	Following information is to be submitted by the bidder about the companies where such tools have been supplied. This is required from all the vendors for qualification of their offer .	VENDOR TO NOTE			
8.3.1	Un-priced copy of purchase order for tools supplied in line with Clause no. 7.2 .	VENDOR TO FURNISH			
8.3.2	Complete postal address of the customer.	VENDOR TO SPECIFY			
8.3.3	Details of tools supplied & application for which it is used.	VENDOR TO SPECIFY			
8.3.4	Name and designation of the contact person of the customer.	VENDOR TO SPECIFY			
8.3.5	Phone and email address of the contact person of the customer.	VENDOR TO SPECIFY			
8.3.6	Performance certificate from the customer (in the name of bidder/OEM) regarding satisfactory performance of the tool (as detailed above) supplied to them. The Performance Certificate should be recently issued (i.e. its date of issue should not be more than 1 year old from the tender opening date).	VENDOR TO FURNISH			
8.3.7	Financial standing through latest I.T.C.C annual report (balance sheet, profit & loss statement and ITR) of last 3 years ending 31st march.	VENDOR TO FURNISH			
8.3.8	BHEL reserves the right to verify information submitted by vendor. In case the information is found to be false / incorrect, the offer shall be rejected.	VENDOR TO NOTE & CONFIRM			





Annexure - II

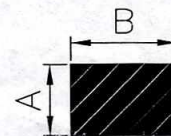
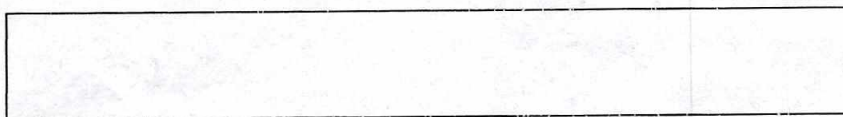
Hydraulic S - Bending Tool

Devendra Singh
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बी.एच.ई.एल., भोपाल / BHEL, BHOPAL

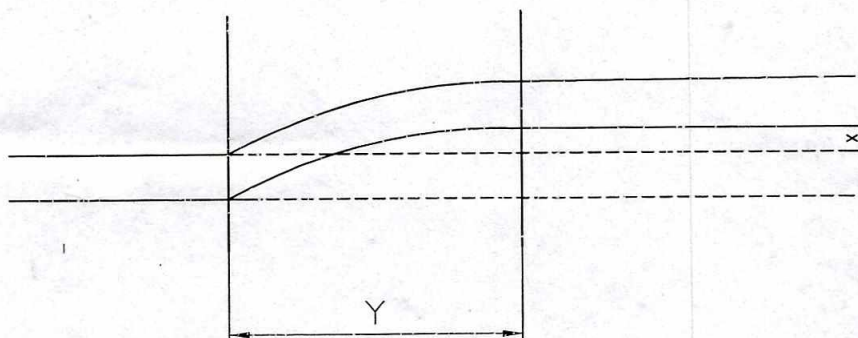
ANNEXURE - I

	Minimum	Maximum
X	2	16
Y	60	90
A	10	30
B	--	45

Above all dimension are in mm.



Conductor details



S - Bend details

NOTE :-

Minimum and Maximum both the dimension of of " X " and " Y " are to be achieved by the tool.

Sudhir
28/6/18

Sudhir Kr. Shukla
Sr. Engineer (TRM)

Singh

Devendra Singh
Sr. Engineer (TRM)