

SCOPE DESCRIPTION: Supply of COPPER CONTACT TIPS/NOZZLES DIA. 4 MM MEANT FOR COLUMN AND BOOM & PORTABLE SAW WELDING MACHINES

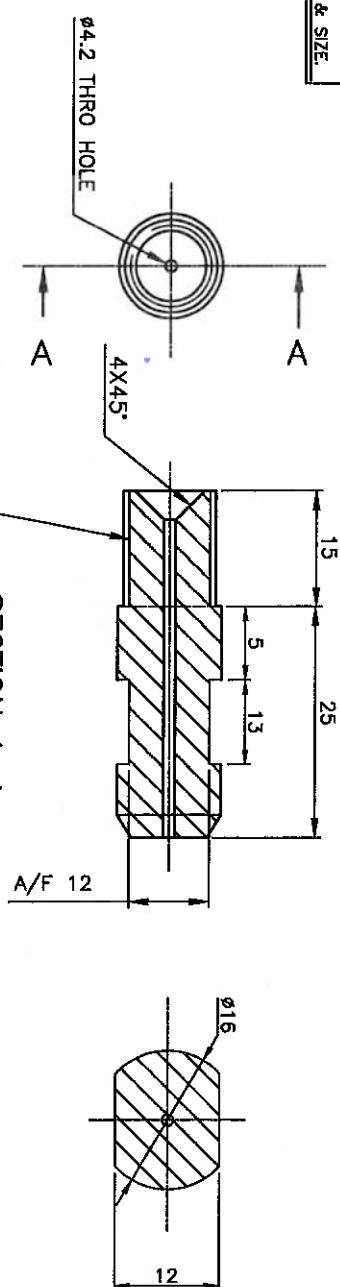
BHEL ENQUIRY NO. H012600037 Dt. 05.02.2026

PROJECT : BHEL Visakhapatnam

BILL OF QUANTITIES

Item Number	Item Title	Item Description	Item Quantity	Unit of Measure	Delivery Period (In number of days)
1	182401071040	CONTACT TIP DIA 4MM- PORTABLE SAW M/C ----- AS PER DRAWING NO:T3-392871-001 REV.00	25	no.	25
2	182401062040	SAW SOLID NOZZLE DIA 4.0 X 60 MM LONG ----- AS PER DRAWING NO:T3-392872-001 REV.00	25	no.	25
3	182401051040	CONTACT TIP DIA 4MM-ESAB SAW M/C-A6S ----- AS PER DRAWING NO:T3-392840-001 REV.01	50	no.	25
4	182401060120	SAW LONG NOZZLE DIA 4.0 & 120 MM LONG ----- AS PER DRAWING NO:T3-392875-001 REV.00	20	no.	25

1) FIRST ANGLE PROJECTION
 2) DO NOT SCALE.
 3) STAMP TOOL NUMBER & SIZE.



TOLERENCE FOR UNTOLERANCED DIMENSIONS.	
UPTO 6MM	= ±0.1 MM
6MM TO 120MM	= ±0.2 MM
> 120MM	= ±0.5 MM
ANGULAR TOLERANCE	= ±0.5 DEG.
CHAMFER	= ±0.5 DEG.

1 CONTACT TIP
 (N.T.S)

MATERIAL SPEC.

CHROMIUM ZIRCONIUM COPPER AS PER USA-UNS Cr.Zr.

Cr: 0.65% (Min)

Zr: 0.08% (Min)

Cu: 99% (Min)

NOTES:

1. ROUND OFF THE SHARP EDGES.
2. CONTACT TIP IS SUITABLE FOR φ4MM FEED WIRE.
3. SUPPLIER TO PROVIDE SAMPLE PIECES FOR TRIAL BEFORE BULK MANUFACTURING.

THIS DRAWING IS RELEASED TO W.T. DEPT.

HPVP,VISAKHAPATNAM TOOL DESIGN					
ITEM	DESCRIPTION	MATERIAL #	SIZE	QTY	NET WT /KG
1	CONTACT TIP Cr.Zr (USA)	φ16X40LG.	1	0.072	
DRN	SAROJ	SO.NO.:-	LR.NO. 1423 DT: 30.08.24		
CHO	SAROJ	W.O.NO.:-	COMP.NO. -		
APD		DEL TO: W/T	LOAD ON: SAW		



CONTACT TIP FOR φ4 MM

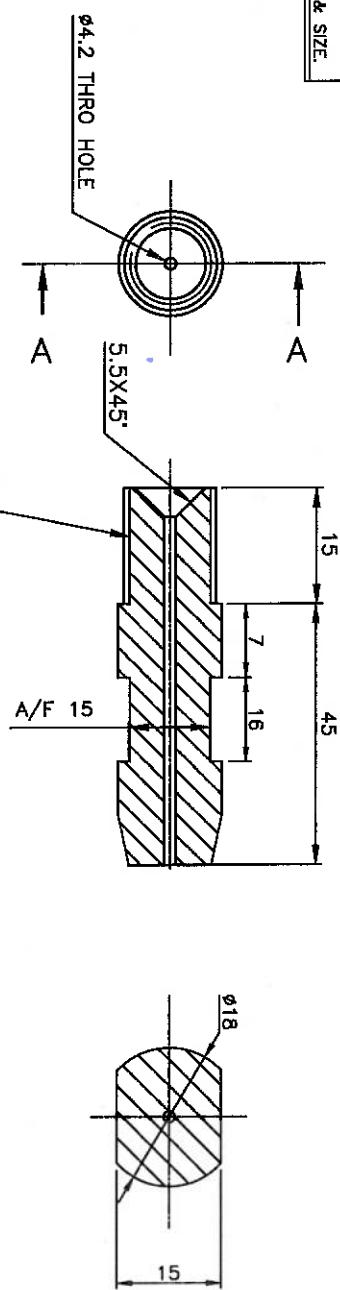
FOR PORTABLE SAW

INITIALS	WT/KG : ---	SHEET	TOOL DRAWING NO	REV
	SCALE: 1	N.T.S	T3-392871-001	0

1) FIRST ANGLE PROJECTION
 2) DO NOT SCALE
 3) STAMP TOOL NUMBER & SIZE.

1.6
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TOLERANCE FOR UNTOLEERANCED DIMENSIONS.	
UPTO 6MM	= ±0.1 MM
6MM TO 12MM	= ±0.2 MM
> 12MM	= ±0.5 MM
ANGULAR TOLERANCE	= ±0.5 DEG.
CHAMFER	= ±0.5 DEG.



SECTION A-A

1 CONTACT TIP
(N.T.S)

MATERIAL SPEC.

CHROMIUM ZIRCONIUM COPPER AS PER USA-UNS Cr.Zr.

Cr: 0.65% (Min)

Zr: 0.08% (Min)

Cu: 99% (Min)

THIS DRAWING IS RELEASED TO W.T. DEPT.

NOTES:

1. ROUND OFF THE SHARP EDGES.
2. CONTACT TIP IS SUITABLE FOR $\phi 4$ MM FEED WIRE.
3. SUPPLIER TO PROVIDE SAMPLE PIECES FOR TRIAL BEFORE BULK MANUFACTURING.

HPVP VI/SAKKHAPATNAM
TOOL DESIGN

ITEM	DESCRIPTION	MATERIAL #	SIZE	QTY	NET WT /KG
1	CONTACT TIP Cr.Zr (USA)	φ18X60LG.	1	0.136	

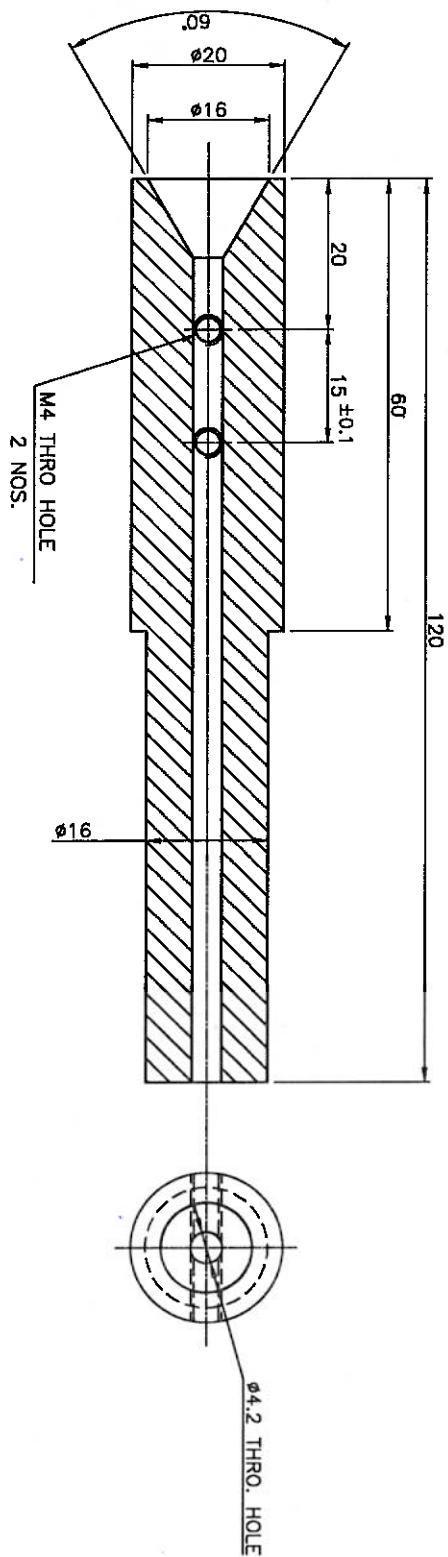
THE CONTACT TIP FOR $\phi 4$ MM

FOR COLUMN & BOOM SAW

INITIALS	DATE
	04.09.24

WT/KG :	SCALE	NTS	REV
	1	1	0

T 3-392872-001



100 NOZZLE

NOZZLE 120MM FOR ϕ 4MM WIRE

FOR COLUMN & BOOM SAW

MATERIAL SPEC.

CHROMIUM ZIRCONIUM COPPER AS PER USA-UNS Cr.Zr.

Cr: 0.65% (Min)

Zr: 0.08% (Min)

Cu: 99% (Min)

ITEM	DESCRIPTION	MATERIAL #	SIZE	QTY	NET WT /KG
<u>HPVP,VISAKHAPATNAM</u>					
DRN	sr0j	SO.NO: ---	LR.NO. ---	DR: ---	
CHD	sr0j	W.O.NO: ---	COMP.NO. ---		
APD		DEL TO: WT	LOAD ON: SAW		

TOOL DESIGN



NOZZLE 120MM FOR ϕ 4MM

FOR COLUMN & BOOM SAW

WT/KG :	---	SHET	TOOL DRAWING NO	REV
SCALE	N.T.S	1	T3-392875-001	0
DATE	18.11.24	1		

COMMERCIAL TERMS AND CONDITIONS (For Indigenous Suppliers)

SL. NO.	DESCRIPTION	BHEL REQUIREMENT	SUPPLIER CONFIRMATION
1	PAYMENT TERMS	<p>a) Micro & Small Enterprises (MSEs)-- 45 Days from date of material acceptance(CRAC)</p> <p>b) Medium Enterprises ---60 Days from date of material acceptance(CRAC)</p> <p>c) Non MSME ---90 Days from date of material acceptance(CRAC)</p> <p>All Bank Charges if any to Vendor account only.</p> <p>However, GST portion of invoice shall be released only upon</p> <ol style="list-style-type: none"> 1. Vendor declaring the invoice in his GSTR-1. 2. Receipt of Goods and Tax Invoice by BHEL. 3. Confirmation of payment of GST thereon by vendor on GSTN Portal. <p>Note: Offer with Payment against Proforma Invoice / Advance payment / LC are not acceptable</p>	
2	DELIVERY PERIOD	The acceptable Delivery period shall be within 25 days from the date of PO to receipt of material	
3	DELIVERY BASIS/LOCATION	FOR BHEL VISAKHAPATNAM	
4	FREIGHT CHARGES	<p>Included.</p> <p><u>Transportation up to delivery location is in Supplier Scope.</u></p>	
5	TRANSIT INSURANCE	<p>Included</p> <p><u>Transit Insurance up to delivery location is in Supplier Scope.</u></p>	
6	PACKING & FORWARDING	Included.	
7	INSPECTION CHARGES	Not Applicable	
8	OFFER VALIDITY	90 days from the date of Price bid opening.	
9	L.D.CLAUSE	<p>In the event of your failure to dispatch the materials within the delivery period, Liquidated Damages shall be at the rate of 0.5% of the total supply order value per week of delay or part thereof subject to maximum of 10% of the total supply order value.</p> <p>LD shall be reckoned from the date of receipt of material.</p> <p>In case of LD recovery, the applicable GST shall also be recovered from the supplier.</p>	

COMMERCIAL TERMS AND CONDITIONS (For Indigenous Suppliers)

SL. NO.	DESCRIPTION	BHEL REQUIREMENT	SUPPLIER CONFIRMATION
10	ARBITRATION	Notwithstanding anything contained in any document whatsoever, all questions, matters , disputes and claims relating to and arising out of this contract, shall be referred to sole arbitrator, who shall be appointed by Head of the Unit, BHEL, HPVP, Visakhapatnam at his sole discretion. Such appointment of arbitrator shall not take place unless and until a written request for appointment of arbitrator from any of the parties to the contract has been received by Head of the Unit as aforesaid. The arbitrator shall give his reasoned award. It is a term of this contract that no person other than a person appointed by such Head of the Unit as aforesaid , shall act as arbitrator and if for any reason that is not possible, the matter is not to be referred to arbitration at all. The venue of arbitration shall be such place as may be Fixed by the arbitrator at his sole discretion. The award of arbitrator shall be final, conclusive binding on all the parties to the contract.	
11	JURISDICTION	Not out of this contract including that arise out of arbitration and bank guarantees, shall be initiated, filed and tried only in the courts, tribunals and forums, situated at and having territorial jurisdiction over Visakhapatnam even though such jurisdiction also vests in courts, tribunals & forums situated elsewhere in the country.	
12	RISK PURCHASE	The delivery period stated shall be realistic and shall be strictly adhered to. If the deliveries are not maintained and if on the account, this company is forced to buy the materials elsewhere to avoid any loss or damage that the company may sustain thereby the purchaser is entitled to procure the material at the risk and cost of the seller, which shall be recovered from them out of due of this PO / Contract, any other PO / Contract with BHEL and balance amount if any shall be required to be deposited by the vendor	
13	REJECTION REPLACEMENT	Rejected material, if any, after receipt of material at our end, shall be replaced by you immediately free of cost and also on freight paid basis, failing which Bank Guarantee can be encashed by BHEL.	
14	GUARANTEE CERTIFICATE	Vendor should guarantee the material against all design and manufacturing defects and for performance for a period of 18 months from the date of last dispatch or 12 months from the date of commissioning whichever is earlier. If any defect is noticed during the above period, the same shall be rectified / replaced free of cost on FOR Destination basis within a reasonable time.	
15	FIRM PRICE	Price should be firm till execution of order.	

PRICE SCHEDULE

SI No	Material Code	Description	UOM	Quantity	Unit Rate (Excl GST)	Total Rate (Excl GST)
1	182401071040	CONTACT TIP DIA 4MM- PORTABLE SAW M/C ----- AS PER DRAWING NO:T3-392871-001 REV.00	no.	25		
2	182401062040	SAW SOLID NOZZLE DIA 4.0 X 60 MM LONG ----- AS PER DRAWING NO:T3-392872-001 REV.00	no.	25		
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4	182401060120	SAW LONG NOZZLE DIA 4.0 & 120 MM LONG ----- AS PER DRAWING NO:T3-392875-001 REV.00	no.	20		
					Total	

Note : Vendor shall quote unit price including Freight, P&F, Transit Insurance charges.

SIGNATURE OF VENDOR WITH STAMP