



BHARAT HEAVY ELECTRICALS LIMITED
HEEP HARIDWAR INDIA-PIN 249403
FAX NO: 0091 1334 226462
PHONE NO: 0091 1334 284658

Enq. No.: T/6410/2018/6650D/2

M/s.....

Sub: BHEL-HEEP/OPEN-TENDER (Turbine) / 2019

Dear Sir,

The Heavy Electricals Equipment Plant (HEEP) located in Haridwar, India is one of the major manufacturing plants of Bharat Heavy Electricals Ltd. The core business of HEEP includes design and manufacture of large steam and gas turbines, turbo generators and so on.

Sealed tenders with the **Tender No.** and **opening date** clearly super scribed on the cover are invited from the manufacturers (registered as well as unregistered) for the supply of the items **Angular Milling Head IFW 2A or its equivalent for CNC horizontal boring machine (SKODA 2-473)** as per annexure-1 enclosed.

SPECIAL INSTRUCTIONS:

1. Warrantee certificates for 12 months from date of commissioning and acceptance of item shall be provided.
2. 02 Nos of Operation and Maintenance manual along with recommended spares as per technical Specification are to be provided.
3. Erection and Commissioning of items are required at BHEL Haridwar works.
4. All Party to provide point wise reply along with supporting documents to each and every point of Pre-Qualification Requirement/PQR (Annexure-2). Non-compliance of these may lead to rejection of offer.
5. Party to offer items as per technical specifications & requirements (Annexure-3) here enclosed. Non-compliance of these may lead to rejection of offer.
6. Payment terms shall be **“80% of PO (item Value) against receipt of material at BHEL Haridwar and 20% of PO (item value) + Erection & commissioning charges, if any, after successful acceptance/commissioning of item as per technical specification at BHEL Haridwar”**.
7. The quotation shall be valid for minimum period of 120 days effective from the date of tender opening.
8. Penalty for late delivery shall be applicable **@0.5% per week or part thereof subjected to a maximum of 10% of the value of delayed portion of supply.**
9. All vendor to offer their best delivery schedule.
10. The total Quantity may undergo change at the time of ordering.
11. Remaining terms & conditions shall be as per **GENERAL INSTRUCTIONS AND STANDARD TERMS & CONDITIONS (GISTC), Version April 2019, Rev: 04** available on www.bhelhwr.co.in.
12. For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017, 28.05.2018 & 29.05.2019 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of this NIT but before finalization of contract / PO / WP against this NIT. In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and/ or local content in respect of this procurement, same shall be applicable.

The tender documents can be downloaded from our web site www.bhel.com or www.bhelhwr.co.in or www.tenders.gov.in. After downloading the tender documents from web site, while submitting the tender as detailed in “Instruction to Bidders”, intending vendors must submit Tender Fee of Rs. 2,000/- (Rupees two thousand only) in the form of Pay Order / Demand Draft (drawn in favour of ‘BHEL HARIDWAR’) only. It may be noted that if hard copy of any tender document is required, then the same may be collected against copy of Pay Order / Demand Draft of requisite tender fee (while original to be submitted with Part-I). **However, if no hard copy of any tender document is required from BHEL, no tender fee is required to be submitted.**

Vendors must also remit the requisite **EMD (Earnest Money Deposit) of Rs. 1,50,000/- (Rupees Rupees one lakh fifty only)** in the form of Pay Order / Demand draft (drawn in favor of 'BHEL HARIDWAR'). In case of foreign bidders e-payment may also be accepted as EMD. **If EMD is not submitted along with the offer (Part-I) then the offer shall be out rightly rejected.**

For E-Payment, the RTGS details are mentioned as below:

Bank Details	SWIFT Details of bank	Contact Details of Banker
STATE BANK OF INDIA RANIPUR BRANCH, OPP: BHEL MAIN GATE, SECTOR-5, RANIPUR, HARIDWAR, UTTRAKHAND, INDIA PIN CODE : 249403	SWIFT NO: SBININBB225 CC ACCOUNT NO :10667995458 IFSC CODE : SBIN0000586	Name: Sh. Sudhir Sharma Design: Chief Manager (IBD) Contact No. +91 1334 224201 Phone: +91 1334 226125 Fax: +91 1334 226512

Please submit separate drafts for EMD and tender fee in an envelope super-scribed with bold letters "EMD & Tender Fee" to be submitted with Part-I.

Micro & Small Enterprises (MSEs) are exempted from submission of EMD and/or Tender fees. Documents as detailed in GENERAL INSTRUCTIONS AND STANDARD TERMS & CONDITIONS (GISTC), Version April 2019, Rev:04 hoisted on our website www.bhelhwr.co.in are to be submitted for availing exemption from submission of Tender Fees & EMDs.

Pl. do note that benefits of MSE (such as EMD Waiver, Tender fee exemption, Price preference, Payment preference etc.) will be given only to those MSE Vendors who are manufacturers of offered items against the NIT. No MSE benefits shall be provided to Agents / Stockiest / Dealers / Traders etc. for the items offered but not manufactured by themselves."

BHEL will forfeit the EMD if, the successful bidder / vendor refuses to honor the order after award of the same on him and / or withdraws his bid and / or unilaterally changes the offer and / or any of its terms & conditions within the validity period.

Tenders will be received in Tender Box kept in Tender Room and should be addressed to:

**THE HEAD OF MATERIAL MANAGEMENT,
Heavy Electrical Equipment Plant,
Bharat Heavy Electricals Limited,
HARIDWAR-249403 (Uttarakhand), INDIA.**

The date for opening of tender shall be 16.12.2019. Tenders will be received up to 1.45 P.M. **on 16.12.2019** and opened on the same day at 2.00 P.M. in the Tender Room. **Please note that tender received after due date & time (1.45PM on 16.12.2019) will not be REPEAT will not be opened.** BHEL will not be responsible for any type of postal / courier delay.

Bids shall be opened at 2 PM on the due date in the presence of authorized representative of the bidders who may like to be present. The authorized representative should bring authority letter from their parent company (Manufacturer) for the specific tender no. attending the bid opening.

Amendments/Corrigendum, if any, will be hosted only on the websites mentioned above. Other terms and conditions will be as per tender documents.

Foreign and Indigenous bidders against open tender will necessarily have to obtain class – III DSCs. Procedure for application is available on www.bhel.com.

Documents submitted with the offer/bid by the bidder (original supplier) shall be signed and stamped in each page by authorized representative of the bidder. Documents not signed and stamped in each page by the authorized signatory of the bidder, shall neither be accepted nor considered for evaluation of the bid.

Please submit your offer only for the above requirement subject to our **GENERAL INSTRUCTIONS AND STANDARD TERMS & CONDITIONS (GISTC), Version April 2019, Rev: 04.** Please visit our site www.bhelhwr.co.in for **General Instructions and Standard Terms & Conditions (GISTC), Version April 2019, Rev: 04** for Tender Enquiries. All the bidders/vendors must ensure compliance of these GISTC.

Unregistered vendors may please visit our site www.bhel.com for filing up the Supplier Registration Form. Copy of filled Supplier Registration Form (SRF) may be submitted along with the offer.

KINDLY READ "INSTRUCTIONS TO BIDDERS." QUOTATION NOT IN ACCORDANCE WITH THE INSTRUCTIONS ARE LIABLE TO BE DISQUALIFIED AND IGNORED.

INSTRUCTIONS TO BIDDERS FOR OPEN TENDER

Definition

Registered Vendors - Are those who are registered with BHEL, Haridwar for Megawatt rating/ Size/ Weight of tendered items in respective material grade or machining of such items.

Un-registered Vendors - Are those who are not registered with BHEL, Haridwar for Megawatt rating/ Size/ Weight of tendered items in respective material grade or machining of such items.

ESSENTIAL INSTRUCTIONS

* Un-registered vendors may be approved by BHEL, if found suitable, on the basis of data furnished by them in Supplier Registration Form (SRF) for Foreign Vendors or Indigenous Vendors (as applicable).

* BHEL team may visit the vendor (s) works for verification of capability and capacity claimed in tender Documents/offer (s).

* The tenders shall be submitted in **Two parts** in separate sub-envelopes clearly super scribing type of bid, tender no., due date and the name of vendor with full contact details.

☐ **Part I –**

- Tender fee (if hard copy insisted from BHEL) & EMD or Relevant documents of MSE for EMD exemption
- Point wise reply/confirmation to **Pre-qualifying requirement (PQR)** as per **Annexure-2** & Technical specification no. **NCT0001 (Annexure 3)** along with all necessary supporting documents in one go. **Noncompliance of this may lead to rejection offer.**
- Techno- Commercial Bid - it should be replica of price bid (copy of price bid without price part) in line with tender Technical specifications (Annexure-3)

☐ **Part-II -**

- Price Bid

All the sub-envelopes (Part-I & Part-II) to be put in a single covering envelope indicating tender no., due date and the name of vendor, e-mail id, with full contact details. Offer should be complete in all respect (i.e. Part-I & Part-II). BHEL may decide to ignore the offer in case of submission of incomplete offer

* Please submit your offer according to **General Instructions and Standard Terms & Conditions (GISTC), Version: April 2019 Rev: 04** for Tender Enquiries. Please visit our site **www.bhelhwr.co.in** for GISTC. All the bidders/vendors must ensure compliance of these **GISTC (Version: April 2019, Rev. 04)**. **GISTC (Version: April 2019, Rev. 04)** can also be referred by login to B2B Portal for Vendors.

References/Enclosures:

Annexure-1 (Details of Items required)

Annexure-2 (Pre-Qualification Requirement/PQR)

Annexure-3 (Technical Specifications NCT0001 along with drawing details)

Annexure-4 (Self certificate for Local Content Supplier as per Make in India)

Annexure-1

Details of Items are required as per following details:

S.No.	Description of Item	Qty	Delivery
1	HW7799924640 ANGULAR MILLING HEAD IFW 2A OR ITS EQUIVALENT FOR CNC HORIZONTAL BORING MACHINE (SKODA 2-473) AS PER SPECIFICATION: NCT0001	1 ST	30.03.2020

**** IMPORTANT:** This enquiry is 2-part tender. Techno-Commercial bid (Part-1) & Price Bids (Part-2) should be submitted in separate envelopes. These two envelopes should be submitted in a common sealed envelope. Techno-Commercial Bid shall contain detailed Technical Specification, Drawings Technical documents, Catalogues, taxes & duties, payment terms, delivery period, Validity of offer, Replica of Price Bid (Copy of price bid without price part) etc. The confirmation to the special terms & conditions must be submitted along with Techno-Commercial bid.

Please visit our site **www.bhelhwr.co.in** for latest version of **General Instructions and Standard Terms & Conditions (GISTC) for Tender Enquiries**. All the bidders/vendors must ensure compliance of latest GISTC.

For this procurement, **Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of this NIT but before finalization of contract / PO / WP against this NIT.**

In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and/ or local content in respect of this procurement, same shall be applicable. Default purchase preference under Make in India order shall be 20% to suppliers with default minimum local content of 50% for all items / works / services. **All party to provide the Self certificate for local content supplier as per annexure-4 for benefits under Public Procurement (Preference to Make in India).**

For further details, please refer latest version of GISTC.

Procurements where the Estimated value to be procured is less than Rs. 5 lakhs shall be exempted from Public Procurement. (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018

Annexure-2

SL.NO.	DESCRIPTION FOR REQUIREMENT		FOR VENDOR		
			OFFERED	DEVIATIONS	REMARKS
1.0	QUALIFYING CONDITIONS :				
1.1	Only those vendors (OEMs), who have supplied and commissioned at least one Right Angle Vertical Milling Head of speed 800 rpm in the past 5 years (on the date of opening of Tender) and referred head is presently working satisfactorily for more than one year (on the original date of opening of Tender) after commissioning, should quote. The following information should be submitted by the vendor about the company where referred head has been supplied. This is required from all the vendors for qualification of their offer.	Vendor to accept & confirm			
1.2	Name and address of the customer/ company where referred head is installed.	Vendor to inform			
1.3	Month & Year of commissioning.	Vendor to inform			
	RPM of head supplied	Vendor to inform			
1.4	Name, designation, phone & email id of the contact person of the customer.	Vendor to inform			
1.5	Performance certificate from the customer regarding satisfactory performance of the head supplied to them. E-mail directly from the customer shall also be acceptable. The original performance certificate may be returned after verification by BHEL, if required.	Vendor to submit			
1.6	If a vendor quotes on behalf of their principal, the performance certificate from the principal's customer can be accepted. However, the principal company should submit an authority letter, authorizing Indian vendor to quote for their product.	Vendor to accept & confirm			
1.7	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 accept & confirm			

Sachin
28/11/19
(AK Choudhary)

Sachin Maggu
Sachin Maggu

5/11

Technical Specifications of Right Angle Milling Head for CNC Horizontal Boring Machine equipped with SINUMERIK 850M CNC system

A. Right Angle Vertical Milling Head

Model of the Head	: Skoda IFW 2A Angular Milling Head or its equivalent
Size of the Machine Spindle taper	: BT-50
Spindle taper in Milling Head	: BT-50
Speed Ratio (transmission ratio)	: 1:1
Permissible speed	: 800 rpm or more
Maximum Power	: 50 KW or More
Head Clamping	: Mechanical
Tool clamping	: Supplier to inform
Indexing	: 360 degree with increment 1 degree (Manual Indexing)

B. Supplier to offer following spares, as used in the offered head

- (a) Bevel Gears : 1 set of each type
- (b) Worm Gear and Worm Shaft or equivalent for manual indexing: 1 set of each type
- (c) Bearings : 1 no each type
- (d) Fastener & elements used for mechanical clamping : 1 set
- (e) Electrical or electronic item used in the head: 1 no of each type of item if applicable

Prices for the above spares to be quoted separately.

C. Machine specifications

The brief description of the machine on which CNC Boring head is to be installed is as follows:

Machine	: CNC Horizontal Borer (Make SKODA, Czech Republic)
CNC Control of machine	: Sinumerik 850M
Spindle power	: 77KW
Spindle Dia.	: 200mm
Operational Spindle speed	: 0-800 RPM
Spindle taper	: BT50
Ram cross-section	: 520mm x520mm
Sketch of face Plate	: Annexure 02 (attached)

Atkine
28/11/2019
(For maintainability & spare
point of view only)

Anil
28/11/19
(A K chowbey)

Omagga
Sachin Maggu

D. Other requirements

- 1) The milling heads should be able to hold BT-50 tool adapters.
- 2) The external dimensions (like head body width, Working length etc.) of the offered heads should be with reference to the sketch attached at annexure-1. Dimension 533mm in the offered head should be 533mm or more.
- 3) The mounting (with mechanical clamping) of the offered head should be compatible with the Ram, sketch of its front face is attached at annexure-02. Face plate between head and ram is to be provided by the vendor, if required.
- 4) External coolant with requisite flexible pipes on its snout is to be provided. The arrangement for its supply may be made through the coolant supply system available on the machine. The length of the coolant pipe should be sufficient to reach the coolant up to the cutting point.
- 5) Supplier to provide all items to make offered right angle head ready to use for successful working on the specified machine.
- 6) The supplier may be called to visit the BHEL, Haridwar for technical discussion prior to placement of purchase order for any clarification regarding machine or specified requirement.
- 7) Supplier to provide all electrical, mechanical and other parts required for clamping and successful working of the above mentioned Head on the specified machine.
- 8) Warranty to be provided for 12 months from date of commissioning and acceptance.
- 9) 2 Nos. of operation and maintenance manual in English language shall be supplied along with offered right angle milling head.

E. Commissioning and acceptance Criteria

- 1) Commissioning of the offered right angle milling heads shall be carried out at BHEL Works by the supplier. Supplier shall demonstrate the full functionality & performance of the supplied right angle milling head by carrying out Facing, milling, drilling, boring and tapping operations on a casing or test piece. For machining CNC programs & cutting tools shall be provided by BHEL.
- 2) For the Final acceptance, vendor shall be required to demonstrate achievement of surface flatness with supplied head within 0.05 mm, of value which is achievable with machine (without milling head) and shall be shown to vendor by BHEL prior to machining trial. Milling shall be performed with facemill cutter diameter 250 mm at same extension of RAM.

As per
28/11/2019
for maintainability and spare
part of view only

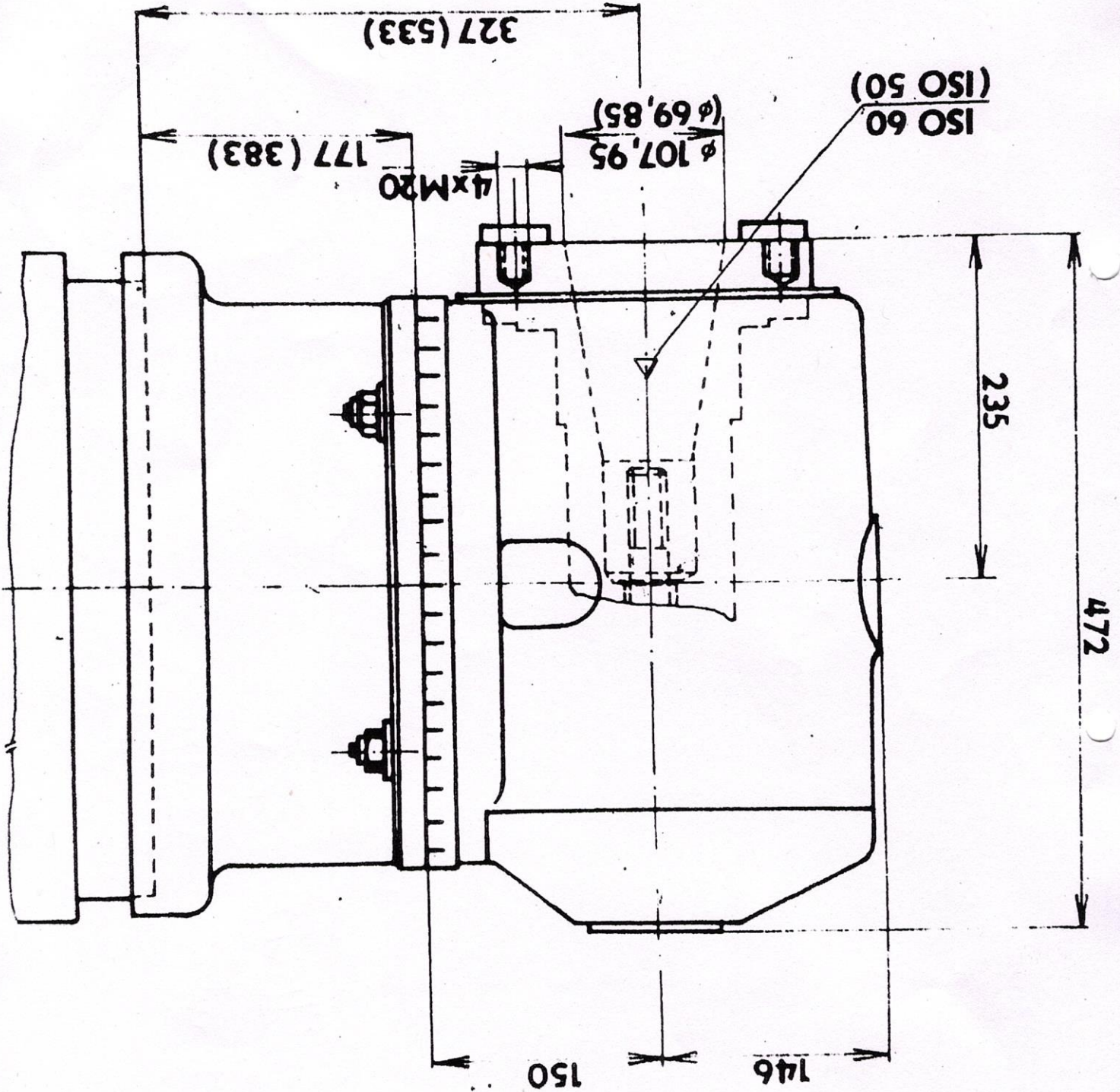
Arbind
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(AK donkey)

Sachin Magga

Signature
Sachin Mehta

Aditya
08/11/19
(AK Choudhary)

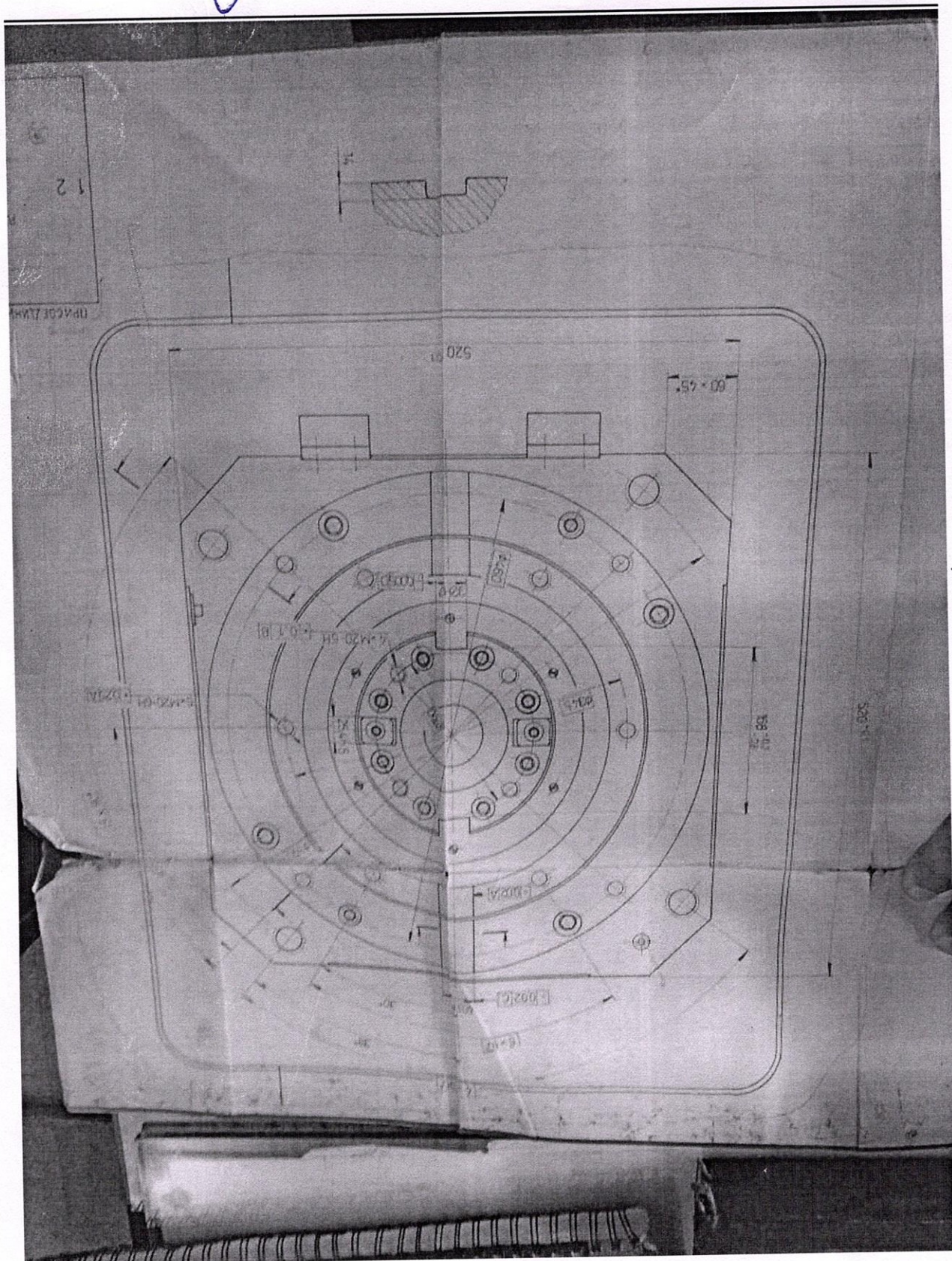
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2
Use mounting bracket 2
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(AK Choube)

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for maintenance
spare part of vehicle



Annexure-2

As per Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017 & P-45021/2/2017-PP (BE-II) dated 28.05.2018, it is hereby certifying that we

.....
(supplier name) are local supplier and will meet the requirement of minimum local content (50%) defined in as above orders for the material against Enquiry No.
.....

Details of location at which local value addition will be made is as follows:

.....
.....

We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and Signature of Supplier