

BHARAT HEAVY ELECTRICALS LTD.
CENTRAL FOUNDRY FORGE PLANT
RANIPUR, HARDWAR
FORGE SHOP MAINTENANCE

Ref.: FF:16:MFG:RC:ME:03

Date: 05/08/2016

TENDER NOTICE - OPEN TENDER

Two part tenders in sealed envelopes are invited from technically and financially capable vendors, having experience in work similar to - and interested in - the under mentioned works. The tender documents are available at website www.bhel.com/www.bhelhwr.co.in in tender notification section which can be downloaded. The tender should be duly filled with all the documents attached. The tender should reach the place specified below **on or before 01.09.2016 at 01:30 PM** which will be opened on the **same day at 02:00 PM** in presence of the bidders who wish to be present at:

Tender Room

Administrative Building
CFFP, BHEL Haridwar – 249403

Bidders are advised to carefully study the drawings before quoting their rates. Bidders are also advised to go through the special Instructions attached to this notice. (Attachment - A)

BHEL reserves the right to reject any or all of the tenders without assigning any reason thereto.

Tender No. & Date	Description of Work	Estimated Cost	Earnest Money	Total Time of completion	Tender Cost
FF:16:MFG:R M:ME:03 Dated: 25/07/2016	Final machining of drive pistons and plungers of 2650T Press	Rs. 5.82 lakhs /- (approx.)	Rs. 20,000/- (Rupees Twenty Thousand only)	6 Months	Nil



(Sandeep Kumar)

Sr. Engr./M&S

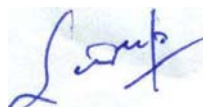
CFFP, BHEL

Ranipur, Haridwar 249403

(Uttarakhand)

Contact No. 01334-284165

E-mail ID: sandeep@bhelhwr.co.in



Signature of Issuing Officer

Signature of Bidder/Tenderer

ATTACHMENT-A**SPECIAL INSTRUCTIONS**

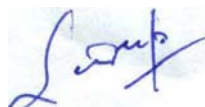
1. Kindly read this set of Special Instructions carefully before filling up the tender form.
2. **Pre-qualification requirements placed at annexure A must be fulfilled by the vendor to participate in the tender and submitted along with techno-commercial bid.**
3. The bidders are to submit the tender form along with all the annexures as well as this set of special instructions (Attachment-A); all pages duly signed.
4. The tender is to be submitted in two parts, viz.:
 - a. Techno Commercial Bid, and
 - b. Price Bid

Documents related with pre-qualification requirements i.e. annexure-A must be submitted along with techno-commercial bid.

5. Both the techno commercial bid and the price bid are to be sealed separately in separate envelopes super-scribed with **“Techno Commercial Bid for Tender no. : FF:16:MFG:RM:ME:03”** and **“Price Bid for Tender no. : FF:16:MFG:RM:ME:03”** respectively and then placed in a common envelope super-scribed with **“Tender for Tender No.: FF:16:MFG:RM:ME:03”**. The techno commercial bid must also contain an un-priced copy of price bid.
6. Only the techno commercial bid will be opened on the day of tender opening. The priced bid will be opened only if and of those vendors whose techno commercial bid(s) are found technically suitable & acceptable. Date of opening of price bid will be intimated to all technically suitable and acceptable bidders at a suitable time.
7. Once price bids are opened and accepted by BHEL, the same cannot be withdrawn by the bidder for whatsoever reasons. In case a bidder withdraws his/her/their tender, suitable action may be taken by BHEL as deemed fit.
8. If there is a difference found in the figures & words of the offered price. The price given in the words will be considered.



(Issuing Officer)



Signature of Issuing Officer

Signature of Bidder/Tenderer

BHARAT HEAVY ELECTRICALS LTD.
CENTRAL FOUNDRY FORGE PLANT
RANIPUR, HARDWAR
FORGE SHOP MAINTENANCE

**TENDER FORM for “Final machining of drive pistons and plungers of 2650T Press”
(PRICE BID)**

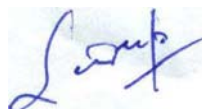
PRICED/UNPRICED

(PRICED PRICE BID TO BE SEALED IN SEPARATE ENVELOP)

Name & Address of Bidder	:	
Tender Notice No.	:	FF:16:MFG:RM:ME:03 Dated: 25/07/2016
Last Date & Time for receipt of Tender	:	13:30 hrs on 01/09/2016
Date & Time for opening of Tenders	:	14:00 hrs on 01/09/2016
Place for opening of Tenders	:	Tender room, CFFP
Nature of Contract	:	Final machining of drive pistons and plungers of 2650T Press
Period of Contract	:	06 months

SCOPE OF WORK: Final machining, grinding, hard chrome plating and buffing of plungers as per drawings. Material of the plungers (in rough size) will be supplied by CFFP, BHEL. All dimensions as per respective final drawing are to be achieved.

S. No.	Plungers	Final M/c Drawing No.	Qty.	Quoted Price Per Unit (A1) (Rs.)	Final Quoted Amount (A1*Qty.) (Rs.)
1	Plunger front lift Rough M/c Drwg.: 04-D-380-R00 Material: BP19388	01-06-054	2		
2.	Plunger rear lift Rough M/c Drwg.: 04-D-381-R00 Material: BP19388	01-06-056	2		
3.	Drive Piston Rough M/c Drwg.: 04-D-379R00 Material: HW10576	01-05-058	6		
Total Quoted cost in Rs. (A3)					
Deduction of value of Chips Generation in Rs (A4)					Rs. 4826
Total final quoted cost in numbers (Rs.) (A3-A4)					
Total final quoted cost in words (Rs.)					




Signature of Issuing Officer

Signature of Bidder/Tenderer


Enclosures:

1. Annexure-A : Pre-Qualification Criteria
2. Annexure-B : Special Terms and conditions
3. Annexure-C : Important Instructions
4. Annexure-D : Rough and final Drawings of Plungers



Signature of Issuing Officer

Signature of Bidder/Tenderer



Signature of Issuing Officer

Signature of Bidder/Tenderer

Annexure – A: Pre – Qualification Criteria

S. No.	Criteria	Requirement	Vendor's Response
1	Vendor must have in-house facilities for machining, grinding and buffing of components of size more than \varnothing 100 mm & length 1500 mm	Document mentioning size of Manufacturing Equipment (Lathes, Milling and Grinding Machine) installed in the premises of Plant shall be submitted by the vendor	
2	Vendor must have successfully completed similar job work/purchase order of finished machining of components of size more than Dia. \varnothing 100mm & Length 1000mm.		
2.1	Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following: Three similar completed works each costing equal to or more than Rs. 2.4 Lakhs Or Two similar completed works each costing equal to or more than Rs. 3.0 Lakhs Or One similar completed work each costing equal to or more than Rs. 4.7 Lakhs	Vendor to submit the copies of purchase orders/completion certificate of work duly signed by customers	
2.2	Name & postal address of the customers for whom the above mentioned WOs/POs along with name, contact phone number(s), email id, designation of the contact person to be submitted	Documents detailing the details mentioning: 1. Name of the company (customer) 2. Name of the contact person 3. Contact number & e-mail ID To be provided for all the work orders	
3	Average annual financial turnover during the last 3 years ending 31st March of the previous financial year, should be at least 1.8 Lakhs.	Balance sheet specifically highlighting Turnover to be submitted	

Note:

1. Similar work means "machining, grinding, hard chrome plating and buffing of components of size more than Dia. \varnothing 100mm & Length 1500mm."
2. 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.

Signature of Issuing Officer

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Annexure – B: Special Terms & Conditions

1. (Rough machined) Material of the components will be provided by BHEL.
2. Bidder has to give bank guarantee against full amount of the rough component/items material cost as indicated in the tender document.
3. Valuation and deduction of cost of chips generated after machining @ Rs. 15/Kg from quoted rate.
4. CFFP/BHEL reserves the right to pre-inspect the material at vendor's works/ warehouse/ premises before final dispatch and during intermediary processes.
5. The cost of transportation to and fro will be borne by the vendor and is to be included in the bid.
6. The cost of transit insurance during transportation to and fro will be borne by the vendor and is to be included in the bid.
7. The Bidder has to lift the material in one lot and give bank guarantee of equivalent amount of material cost taken from CFFP, BHEL. The equivalent value of the material shall be calculated on the basis on the weight of the rough machined components and total value for all the components is Rs. 1,50,000/- (Rupees One lakh fifty thousand only).
8. The work period will be 6 months for completion of work on all components and the start of the work period shall be counted from the date of work order.
9. The cumulative period (from the start of Work order) for all the lots dispatched by the vendor after final machining (if material is dispatched in lots) and received at CFFP, BHEL material Gate should not exceed 6 Months. If it so exceeds, LD will be imposed accordingly.
10. The vendor will be penalized for late delivery of the material from due date at the rate of 0.5% per week subject to maximum of 10%.



Signature of Issuing Officer

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11. The final bid will be evaluated on total landed cost including transportation cost, insurance cost and works inclusive. However, Service Tax will be paid extra on actual basis.
12. Payment shall be made after receipt and acceptance of all components at CFFP works.
13. Original Inspection report indicating surface roughness value, hardness value and all critical dimensions is to be provided.
14. All drawings and standards are propriety of BHEL; they must not be used in any way detrimental to the interest of the company.
15. A guarantee for a period of 18 months from the date of dispatch of finished material or 12 months from the date of commissioning/installation is to be provided for chrome plating (whichever is earlier). In case the date of commissioning/installation is used to calculate the guarantee period, the date of commissioning/installation shall be as per the work schedule of BHEL. The decision of BHEL in this regard shall be final.
16. Lowest bidder (L1) will be decided on total cost of all the plungers.




Signature of Issuing Officer

Signature of Bidder/Tenderer

Annexure – C: Important Instructions

Please read the instructions below carefully before filling the tender form. Tender form having any cuttings/overwriting/not having clarity/having ambiguity will be cancelled. Do not remove any page from this form and sign both sides of the pages:


1. No tender documents will be accepted without submission of earnest money.
2. The contractor must sign each page of tender documents. In relation to the company or firm, the tender must be signed by the person who has the power of attorney, and a copy of the same must be enclosed with the tender form.
3. All the tenders must necessarily be accompanied with the earnest money as detailed in the tender notice/tender form. Any tender submitted without the earnest money will be liable to be rejected.
4. Once tenders are opened and accepted by BHEL, the same cannot be withdrawn by the bidder for whatsoever reasons. In case a bidder withdraws his/her/their tender, the earnest money deposited will be forfeited and suitable action as deemed fit will be taken against the vendor as per policy.
5. Service tax will be reimbursed on providing service tax deposit receipt.
6. EMD is to be submitted in the form of cash, pay order or demand draft.
7. Contract shall be governed by the works policy, fraud prevention policy and the same shall be made available to the vendor in case of requirement expressed by the vendor. The Bidder along with its associate/collaborators/sub-contractors/sub-vendors/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.



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8. BHEL will have the right to cancel any or all tenders and to accept any tender whether it is minimum or maximum. Incomplete forms will be cancelled.
9. Presence of bidders at the time of tender opening is required but not necessary.
10. After getting the contract, 10% of total contract amount must be deposited as security money (SD) before commencement of work which also includes the EMD amount. 10% of the total contract amount will be released after completion of work contract. There will be no interest payable on security deposit.
11. During the execution of contract, if the contractor gets any other contract from other department, then he must inform the prior department in writing.
12. The vendor must have work experience as detailed by the PQC.
13. No overdue interest clause to be added. If added, BHEL is not liable to entertain the same.
14. All the payments to contractor will be made through e-payment.
15. This contract shall be a fixed price contract and BHEL shall not entertain any request from the contractor for enhancement of the contract price on grounds whatsoever.
16. Bidders have to quote the rates in the columns of tender forms in numbers and words only. All the rates have to be given in Rupees and no rate will be accepted in kilo, ton or bags terms. Overwritten and incomplete forms will be cancelled.
17. If the rate value given in numbers and words are different then the value given in words will be considered.
18. Bidder has to sign on the agreement before taking the Work order.
19. It is notified to all tenderers that they shall not be submitting any fake documents along with the tender form. All the collected documents can be examined at any point of time and if documents are found fake /forged, then appropriate action will be taken against the bidder.




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20. In case the contractor defaults in commencing the work/lifting the rough machined items/components within the time specified by BHEL in spite of a reasonable notice in writing or in case the contractor fails, to comply with any of the terms and conditions of the contract, in spite of 10 days' notice in writing or in case he/she neglects or refuses to execute the contract or any part thereof at any stage, the contract shall, without prejudice to any other rights or remedies available to BHEL be liable to cancelled/termination in part or as a whole. In the event of cancellation/termination. The contractor shall be liable to compensate BHEL for all loss incurred by BHEL including the loss suffered on account of having the work executed through any other contractor or department as may be convenient to BHEL in accordance with the exigencies of the work.

21. In the event of cancellation/termination, the contractor shall be liable to compensate BHEL for all losses incurred by BHEL including the loss suffered on account of having the work executed through any other contractor or department as may be convenient to BHEL in accordance with the exigencies of the work. In case only a part of the contract is cancelled, the remaining portion of contract may be allowed to be executed by the contractor. All disputes arising in connection with the contract shall be settled by mutual consultation if no agreement is reached the dispute shall be settled in accordance with the provisions of the Arbitration and conciliation Act, 1996 and the rules made there under. The dispute shall be referred for arbitration to any arbitrator to be appointed by the Head of the BHEL CFFP Unit. The award of the arbitrator shall be final and binding on both the Parties. The venue of the Arbitration shall be Haridwar (U.K.) in India. The questions, disputes, differences arising under, out of or in connection with this contract shall be to the exclusive jurisdiction of Haridwar Courts.



Signature of Issuing Officer

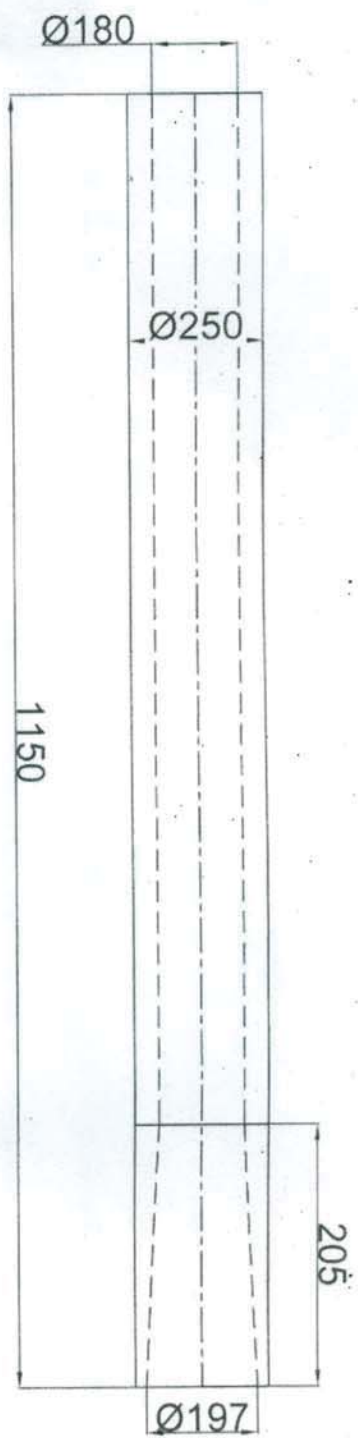
Signature of Bidder/Tenderer

ON GINWARD

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MM)

12.5

ALL OVER EXCEPT OTHER WISE SPECIFIED



NOTE:

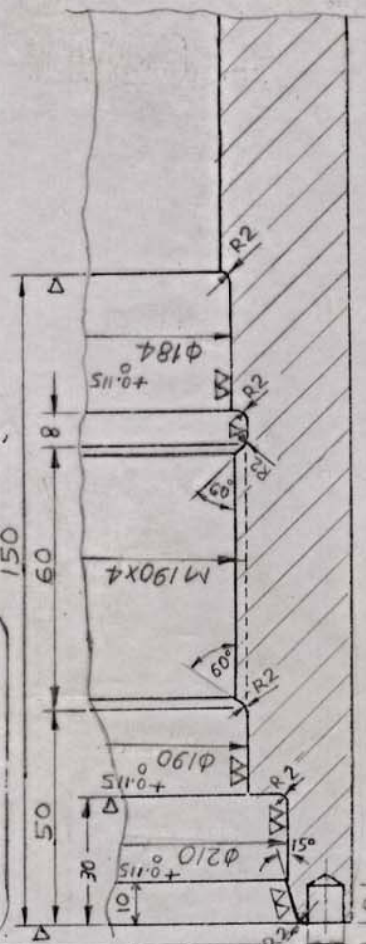
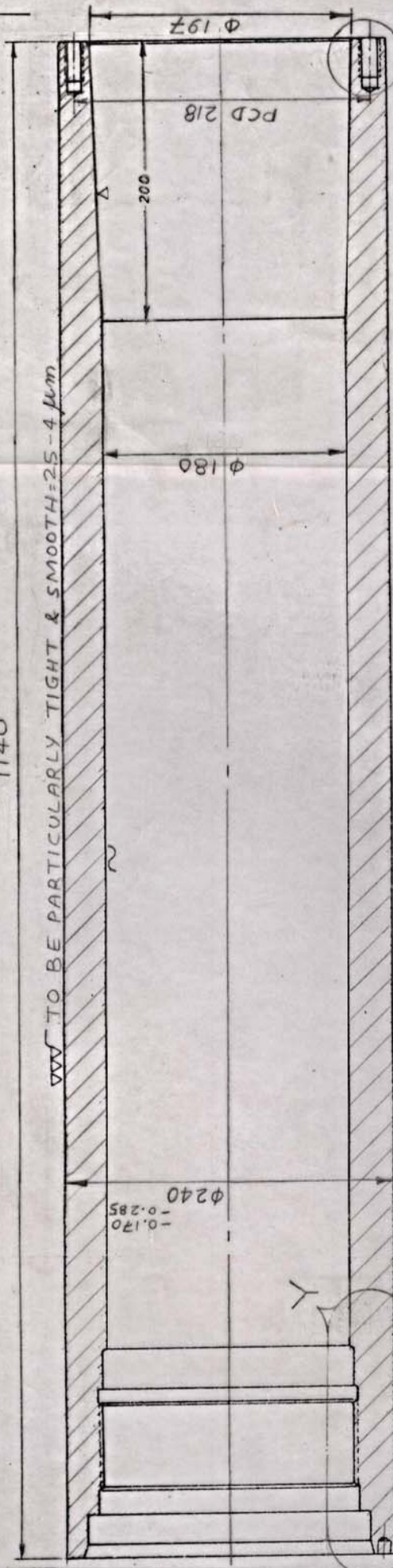
- 1. TOLERANCE : ON O.D. +3/-0
- TOTAL LENGTH: +10/-0
- BORE DIA. +1/-0

		CHARAT HEAVY ELECTRICALS. LTD. CENTRAL FOUNDRY FORGE PLANT RANIPUR HARDWAR	
DEPT. AND SHOP		WEIGHT	NO. OF SHEETS
TITLE	PLUNGER Ø240	DRN	V. BIBHUTI
PROJECT AND CUSTOMER NAME	FORGE MAINTENANCE (REF. DRAWING 01-06-054)	CHD	MD ASAD
		APPD	R. K. SINGH
		CFPP DRAWING NO.	04-D-380R00
		SHEET NO. 1	NO. OF SHEETS 01

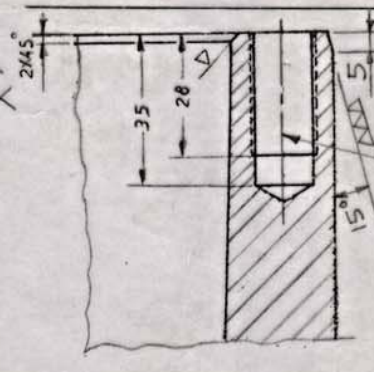
FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN M.M.)

1140

TO BE PARTICULARLY TIGHT & SMOOTH=25-4 μm



DETAIL - X



INSTALLED QTY. - 2 NOS.

BHARAT HEAVY ELECTRICALS LIMITED.
UNIT: CENTRAL FOUNDRY FORGE PLANT.
HARDWAR



DEPT. DESIGN BUREAU
 TITLE: PLUNGER Ø240
 FOR FRONT LIFTING DEVICE
 MANIPULATOR 50MT

REF. to ASSY. DRG.	ITEM NO.
WEIGHT (KGS.) 165 Kg	
SCALE N.T.S.	
DRAWN KISHORI LAL	NAME SIGN DATE
CHECKED P.B.G.	6.8.04
APPROVED P.B.G.	9.9.04
DRAWING NO. 01,06,054	REV. 0
SHEET NO. 2	NO. OF SHEETS 3

Dimensions to be controlled Within Limits as Shown
 Machining Tolerance: 0.25 mm Unless Otherwise
 Shown. Non Machining Tolerance ±

REV.	DATE	ALTERED	CHECKED

ALL SHARP CORNERS TO BE ROUNDED OFF.

Sign & Date
 Inventory No.

The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED. It must not be used directly or indirectly in any way detrimental to the interest of the company.

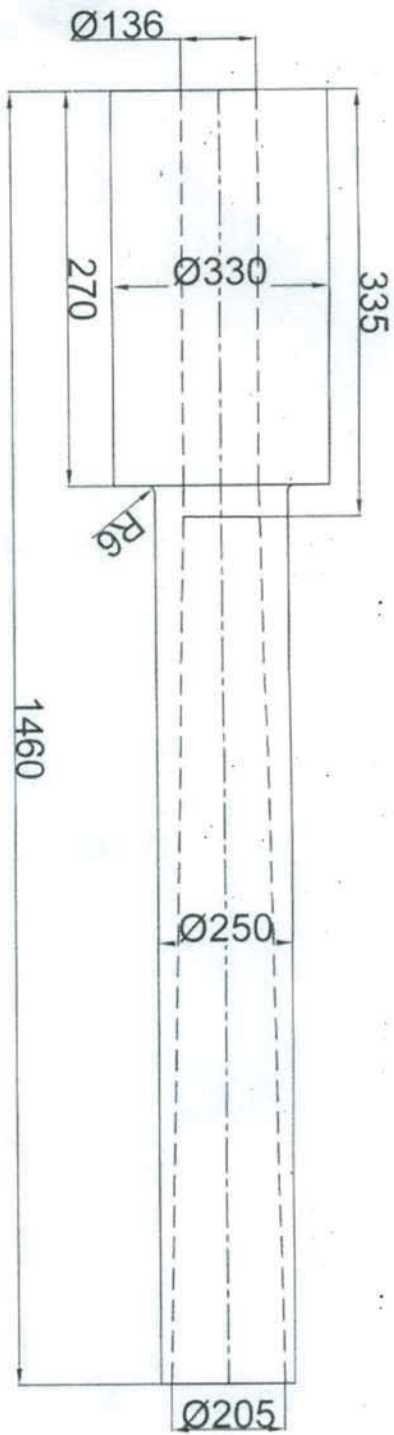
Ref. Drg. No. 783-734E
 DEMAG MEER

ON DRAWING

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm)

12.5

ALL OVER EXCEPT OTHER WISE SPECIFIED



NOTE:

1. TOLERANCE : ON O.D. : +3/-0

TOTAL LENGTH: +10/-0

BORE DIA: +1/-0

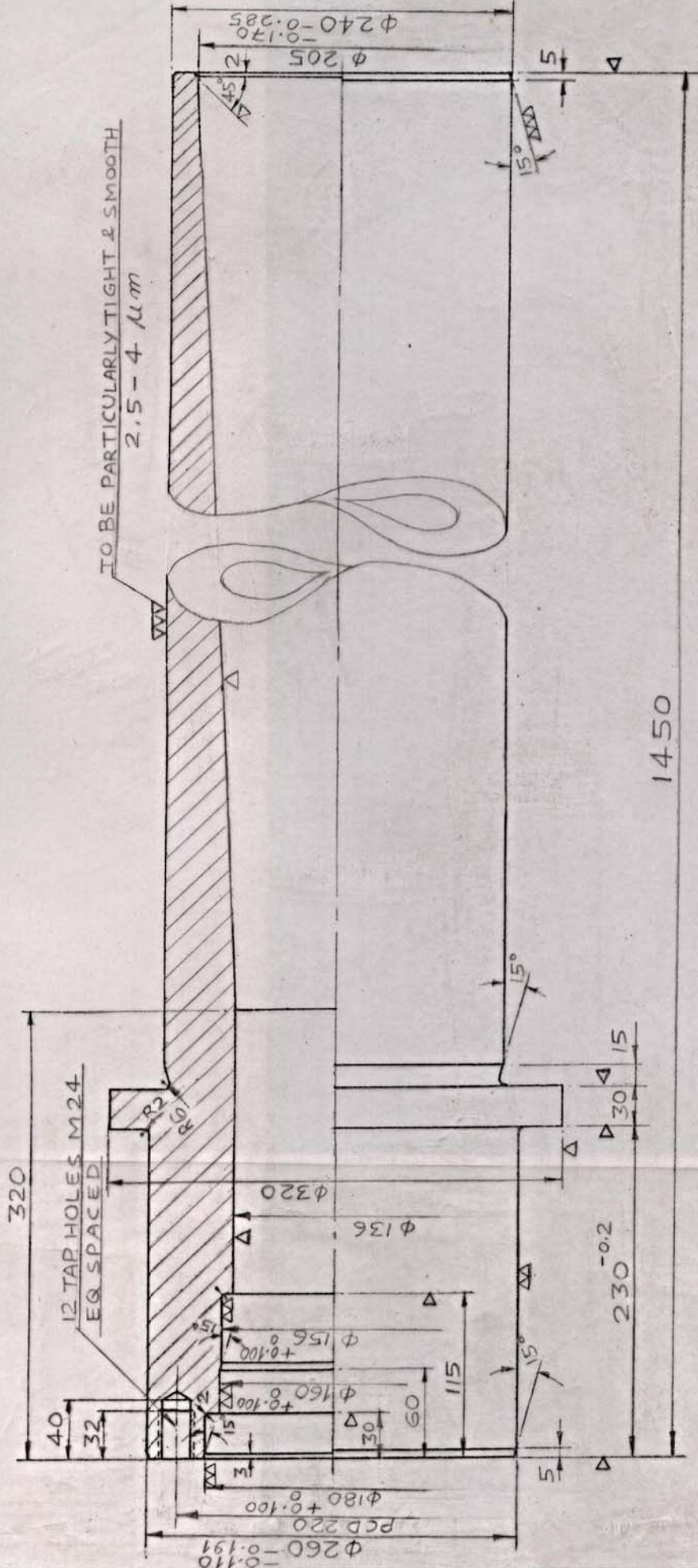
		BHARAT HEAVY ELECTRICALS. LTD.	
CENTRAL FOUNDRY FORGE PLANT		RANIPUR HARDWAR	
DEPT. : M.C. SHOP		WEIGHT : IN KG.	
TITLE	PLUNGER Ø240	NAME	SIGN. DATE
PROJECT AND CUSTOMER NAME:		DRN	V. BIBHUTI
FORGE MAINTENANCE (REF. DRAWING 01-06-056)		CHD	MD. ASAD
		APPD	R. K. SINGH
		CPEP DRAWING NO.	04-D-381R00
		SHEET NO. 1	NO. OF SHEETS 01

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DEMAG MEER
Ref. Drg. No. 783-737C

Sign & Date

Inventory No.



INSTALLED QTY - 2 NOS.

BHARAT HEAVY ELECTRICALS LIMITED.
UNIT: CENTRAL FOUNDRY FORGE PLANT.
HARDWAR



DEPT. DESIGN BUREAU	SCALE NTS	WEIGHT (KGS.) 305 K ₂	REF. to ASSY. DRG.	ITEM NO.
TITLE PLUNGER ϕ 240 FOR REAR LIFTING DEVICE MANIPULATOR 50MT				
MATERIAL - CK60/DIN: 1.1221		DRAWING NO. 01,06,05G		
C 0.57 - 0.65, Si 0.15 - 0.35 Mn 0.60 - 0.90, P (MAX) 0.035 S (MAX) 0.035		REV. 0		
ALL SHARP CORNERS TO BE ROUNDED OFF.		NO. OF SHEETS 1		
REV. DATE	ALTERED CHECKED	REV. DATE	ALTERED CHECKED	

Dimensions to be controlled Within Limits as Shown
Machining tolerance \pm 0.25 mm Unless Otherwise Shown. Non Machining Tolerance \pm

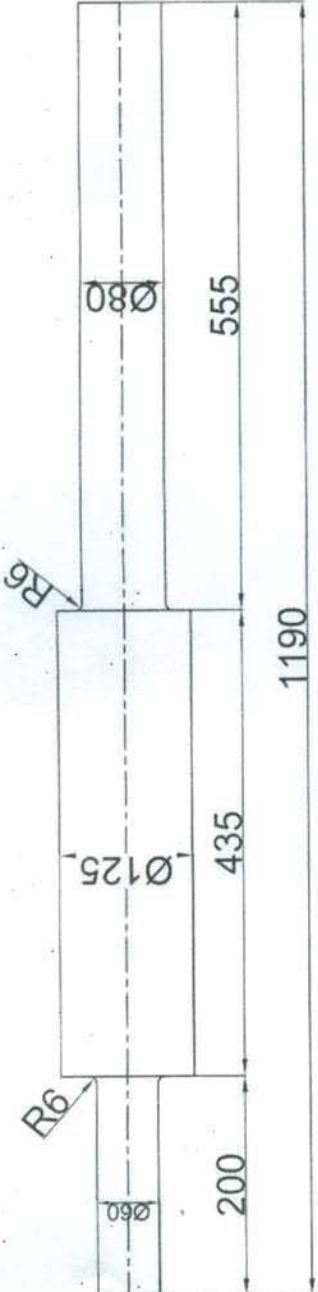


FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm)

DRAWING NO.

12.5

ALL OVER EXCEPT OTHER WISE SPECIFIED



NOTE:

1. TOLERANCE : ON O.D: +3/-0

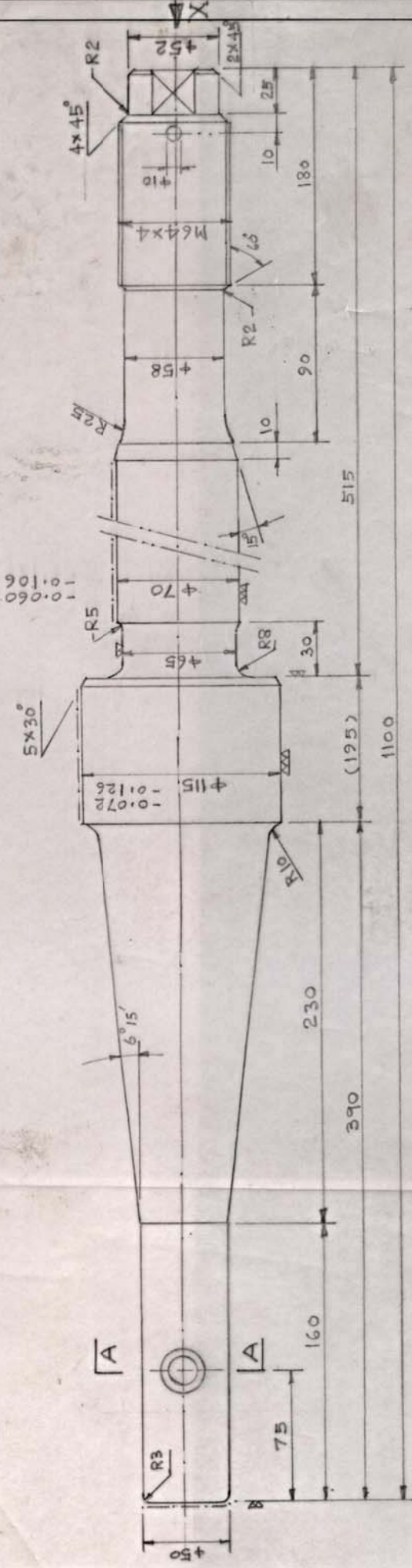
TOTAL LENGTH: +10/-0

	DEPTT - M/C SHOP		WEIGHT	IN KG	SIGN	DATE
	TITLE					
DRIVE PISTON		DRN V BIBHUTI				25/07/15
		CHD MD ASAD				28/07/15
		APPD R. K. SINGH				28/07/15
PROJECT AND CUSTOMER NAME		CFPP DRAWING NO		04-D-379R00		NO. OF SHEETS 01
FORGE MAINTENANCE (REF. DRAWING 01-06-058)		SHEET NO. 1				

BHARAT HEAVY ELECTRICALS. LTD.
CENTRAL FOUNDRY FORGE PLANT
RANIPUR HARDWAR

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN M.M.)

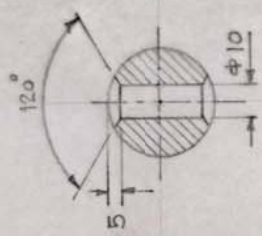
▽ (XXX, XX)



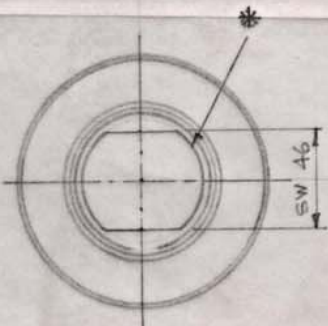
NOTE

ITEM TO BE SUPPLIED WITH 2 HEX. NUTS OF SIZE M64 X 4 & A/F 95MM, THICKNESS 64MM

----- FLAME HARDEND TO HRC 53 ±2 & CROME POLISHED.



A-A



VIEW 'X'

* DRG. NO TO BE PUNCHED

BHARAT HEAVY ELECTRICALS LIMITED.
UNIT-CENTRAL FOUNDRY FORGE PLANT.
HARDWAR

DEPT. DESIGN BUREAU	SCALE 1:2.5	WEIGHT(KGS.) 39.0±4.00	REF. to ASSY. DRG. 5030004-13.517	ITEM NO.
TITLE DRIVE PISTON WITH TWO NUTS FOR FILLING VALVE			NAME SIGN. DATE	
			DRAWN ASHOK KUMAR 15.1.78	
			CHECKED APPROVED A.V. 21.1.78	
DRAWING NO. 01-05-058			REV.	
Dimensions to be controlled Within Limits as Shown Machining Tolerance: 0.25 mm Unless Otherwise Shown. Non Machining Tolerance ±			SHEET NO. 1	NO. OF SHEETS 1

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Ref. Drg. No.

Sign & Date

Inventory No. PF8110G0084