

**BHARAT HEAVY ELECTRICALS LIMITED**  
**CFFP, BHEL, HARIDWAR**  
**MM-SUBCONTRACTING**

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**TENDER NOTICE**

**NIT No. : FF/SC/16007/201600082,**

**DT. 25/05/2016**

Sealed open tenders on two parts (Techno-commercial & Price Bid) with the Tender No. and opening date clearly super scribed on the cover are invited for following item:

| S.No. | Tender No.            | Description of Material                                 | Qty.    | Opening Date |
|-------|-----------------------|---|---------|--------------|
| 1     | FF/SC/16007/201600082 | Rough Machining of<br>Impeller Crown & Skirt<br>Casting | 18 Nos. | 28.06.2016   |

Tender documents containing Techno-Commercial Details as per Annexure-'A', 'B', 'C', 'D' & 'E' can be downloaded from BHEL web site [www.bhel.com](http://www.bhel.com) & [www.bhelhwr.co.in](http://www.bhelhwr.co.in).

Please quote your rates against this enquiry strictly in the following lines:-

- i. Rate to be quoted on **per Kg of chip removal** basis and **F.O.R CFFP** basis.
- ii. Payment Terms:-100% after receipt and acceptance within 30 days through e-mode.
- iii. Scrap to be retained by Party.
- iv. Excise Duty on scrap value to be paid by the party.
- v. Sales Tax & other Govt. duties to be paid by the party.
- vi. Grade contain Ni: 3.5-4.5% and for information present chips rate for calculating ED & VAT on chips value is Rs.31.06 per Kg.
- vii. Each item shall be weighted before and after machining by Shop Planning CFFP and financial implications shall be based on actual chip retained by the vendor.
- viii. BHEL reserves the right to go for reverse auction.
- ix. Quotation not in accordance with our enquiry are liable to be rejected.
- x. Conditions remaining unresponded in enquiry shall be treated as per enquiry.
- xi. In cases the prices indicated in words and figures are different, the values indicated in words shall be taken into consideration.

Enquired quantity shall be split among L-1 & L-2 vendor in the ratio of 2:1 for each drawing, on acceptance of L-1 rate by L-2 vendor. In the event of non-acceptance of L-1 rate by L-2 vendor, respective quantity shall be offered to L-3, L-4 and so on to achieve the objective of reaching two vendors for machining. In case L-1 rate is not accepted by other vendors, then the quantity available shall be ordered on L1 vendor.

The tenders will be received up to 1:45 pm on 28.06.2016 in the Tender box of tender room at the CFFP, BHEL, Haridwar, Pin No.-249403. Techno-commercial bids will be opened on the same day at 2:00 PM. After opening of Techno commercial bid, the capability and suitability of the bidders shall be evaluated and Price bid of the qualified bidders shall be opened in the presence of the available bidders. The date of opening of Price bid will be informed to the qualified bidders.

All subsequent amendments / changes shall only be notified on BHEL website [www.bhel.com](http://www.bhel.com) & [www.bhelhwr.co.in](http://www.bhelhwr.co.in).

For & On behalf of CFFP/BHEL, Haridwar

**Pre-Qualification Criteria & Techno-commercial terms for Machining of impeller crown  
& impeller skirt Casting**

Name of Vendor:

Evaluation shall be done on the basis of delivered cost (i.e.) **“total cost to CFFP/BHEL”**. Please confirm the following or else your offer is liable to be rejected.

| Sl. No.                                      | Description  | Vendor Confirmation/<br>Comment (in case of blank, it shall be deemed to be accepted by vendor)                     |
|--|--|---|
| <b><u>PRE-QUALIFICATION CRITERIA</u></b>     |  |   |
| 1.   | Only those vendor should quote who have past experience of machining of similar job having max. dia. greater than * (x) mm and weight more than *(y) MT to the full satisfaction of the customer.<br>*For drg: 02040718403/M & 02040718403/M3 Impeller Crown: (x) = 4500 mm, (y) = 35 MT.<br>*For drg: 02040718403/M1 & 02040718403/M4 Impeller Skirt: (x) = 4500 mm, (y) = 20 MT.<br>*For drg: 02040718103/M3 Impeller Crown : (x) = 4500 mm, (y) = 30 MT.<br>*For drg: 02040718103/M4 Impeller Skirt : (x) = 4500 mm, (y) = 18 MT. | Vendor to Confirm and submit detail (including copies of P.O. & Inspection/ Acceptance report along with the offer) |
| 2.   | Vendor should have a Vertical Boring machine which can machine a job of dia. * (d) mm and height *(h) mm and Weight *(w) MT.<br>*For drg: 02040718403/M & 02040718403/M3 Impeller Crown: (d) =5165mm, (h)= 800mm,(w)=40 MT.<br>*For drg: 02040718403/M1, 02040718403/M4 Impeller Skirt :(d) =5165mm, (h)=1100 mm, (w)=25 MT.<br>*For drg: 02040718103/M3 Impeller Crown: (d) =5035mm, (h) =800 mm, (w) =36 MT.<br>*For drg: 02040718103/M4 Impeller Skirt: (d) =5035mm, (h)=1100 mm, (w)=24 MT.                                      | Vendor to Confirm and submit detail of the facilities   |
| 3.   | Vendor should have material handling capacity of *(L) MT or more.<br>*For drg: 02040718403/M, 02040718403/M3 Impeller Crown: (L) =40 MT.<br>*For drg: 02040718403/M1, 02040718403/M4 Impeller Skirt: (L) =25 MT.<br>*For drg: 02040718103/M3 Impeller Crown: (L) =36 MT.<br>*For drg: 02040718103/M4 Impeller Skirt: (L) =24 MT.   | Vendor to confirm   |
| <b><u>Techno-commercial Requirements</u></b> |  |   |
| 4.   | Rates quoted in <b>Per KG of chips removal basis</b> .   | Vendor to confirm   |
| 5.   | Financial implications shall be based on actual chips retained by the vendor.  | Vendor to confirm   |
| 6.   | Vendors not registered with CFFP/BHEL need to submit duly filled supplier registration form (SRF- can be downloaded from BHEL website <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://www.bhelhwr.com">www.bhelhwr.com</a> ) along with technical bid. If registered at any other unit of BHEL, vendor code may be furnished.  | Vendor to submit  |
| 07.  | Vendor has to submit BG/FDR of Rs. 1 Lakh from consortium bank & indemnity Bond as required by CFFP/BHEL before lifting of Castings from CFFP, BHEL.   | Vendor to accept  |
| 08.  | Transportation of casting to and fro from vendor's works shall be vendor's responsibility. Transportation cost shall be borne by vendor.   | Vendor to accept  |

Tender No.:FF/SC/16007/201600082  
Opening Due Date: 28/06/2016

Name & Signature of Sub-contractor  
With date & Seal

## Annexure – A

|     |   |                          |
|-----|---|--------------------------|
| 09. | BHEL reserves the right to go for Reverse auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.<br>In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction. Non-submissions of 'online-bid' by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue. | <i>Vendor to confirm</i> |
| 10. | Provide name, mobile no. & email address of the contact person.   | <i>Vendor to mention</i> |
| 11. | Validity of offers: minimum one year from tender opening date (Techno-commercial bid opening date in case of two part bids).  | <i>Vendor to accept</i>  |
| 12. | Delivery schedule: 5-7Weeks Per piece from the date of lifting of casting.  | <i>Vendor to accept</i>  |
| 13. | Actual quantity may increase or decrease vis a vis tender quantity without any implication of rate quoted.  | <i>Vendor to accept</i>  |
| 14. | In case of any differences observed in conditions confirmed above & elsewhere in the offer, terms quoted above shall be treated as final and binding on vendor.   | <i>Vendor to confirm</i> |
| 15. | All other commercial term and condition as per tender enquiry shall be acceptable.  | <i>Vendor to confirm</i> |

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Name & Signature of Sub-contractor  
With date & Seal

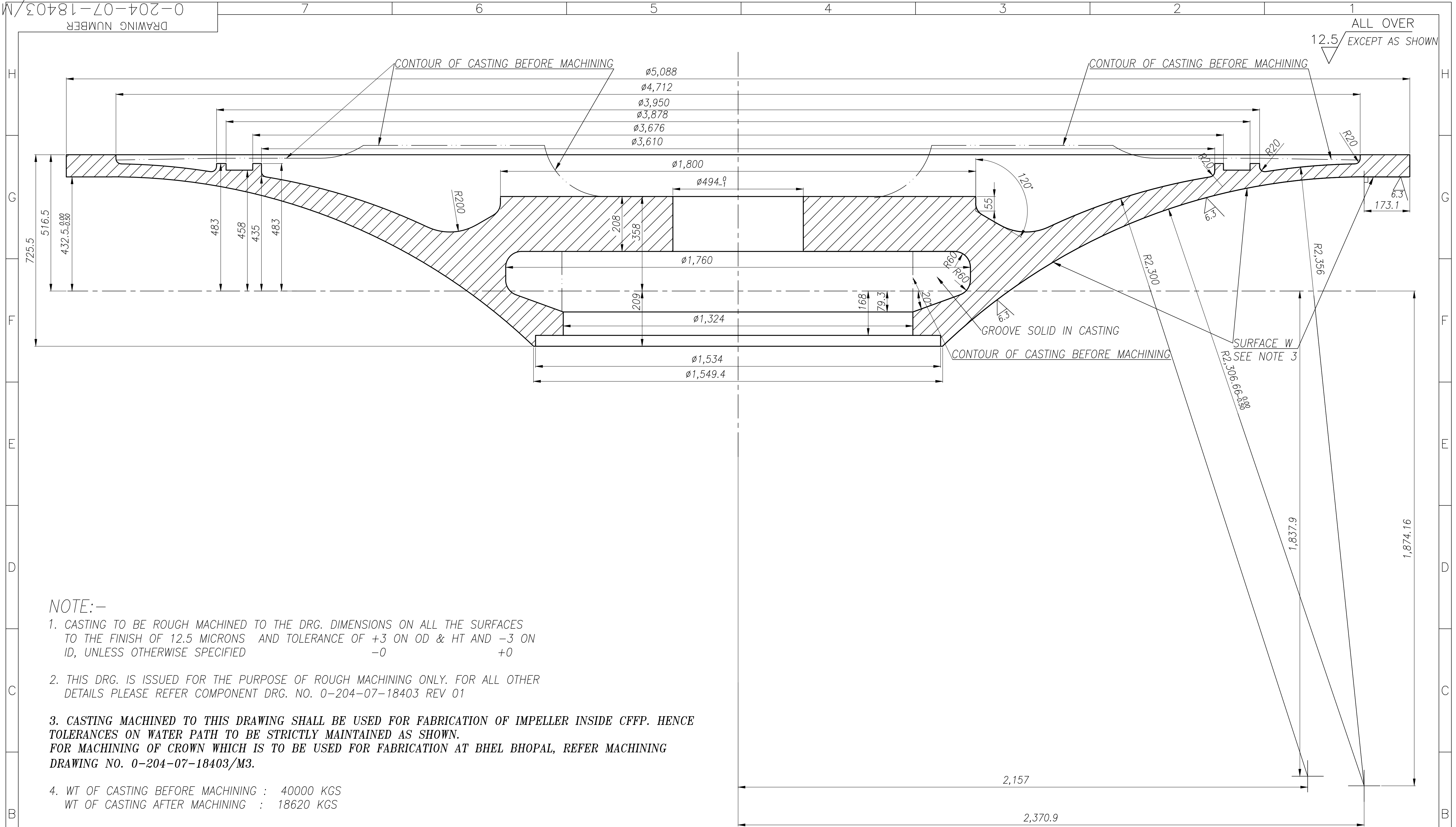
### Terms & Conditions of Reverse Auction

Against this enquiry for the subject item/system with detailed scope of supply as per enquiry specifications, BHEL may resort to "REVERSE AUCTION PROCEDURE" i.e. ON LINE BIDDING (THROUGH A SERVICE PROVIDER). The philosophy followed for reverse auction shall be English (No ties).

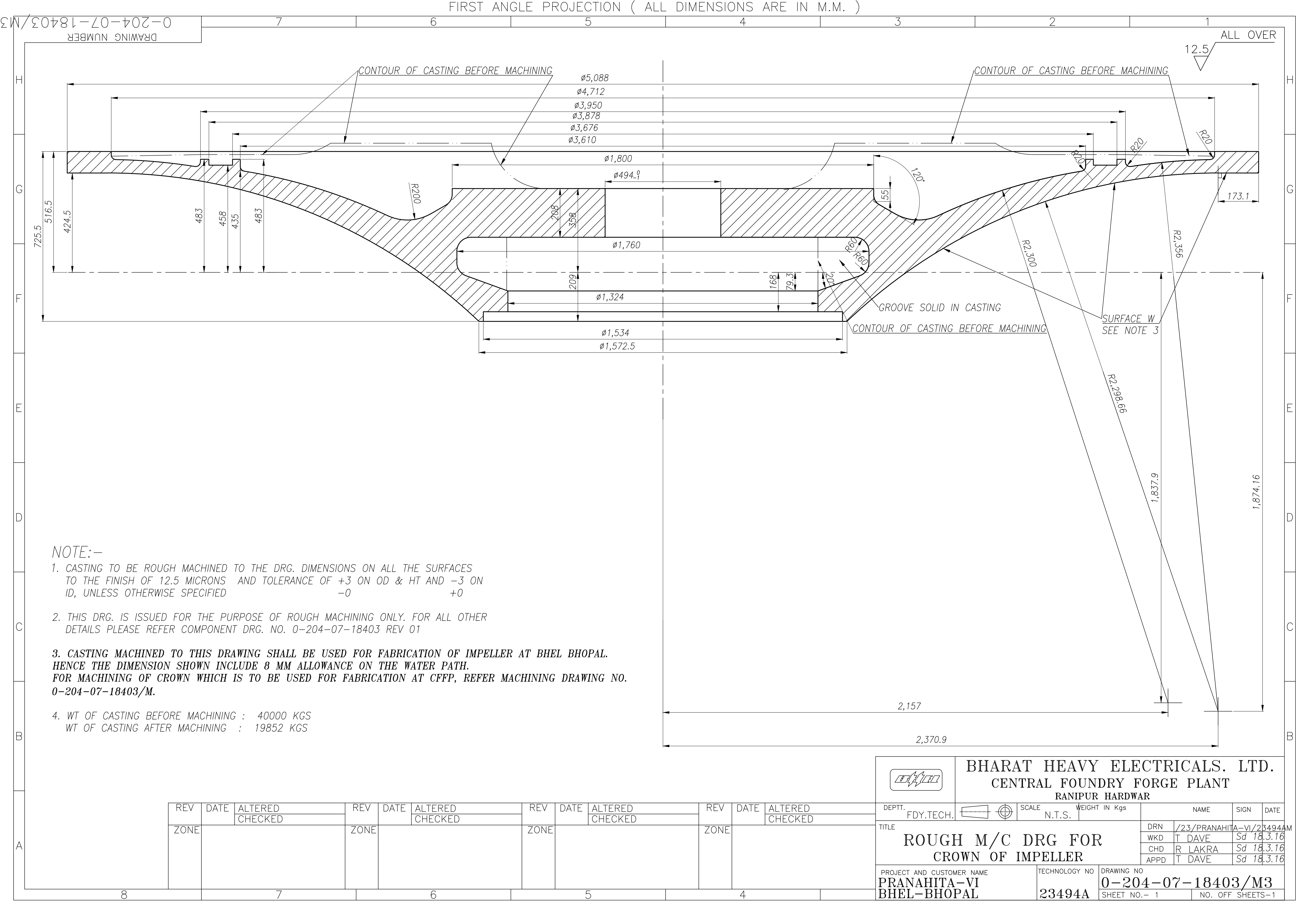
1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit online sealed 'bid' in the reverse auction. Non-submission of 'online sealed bid' by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of online bidding on internet.
4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. Bidders have to fax the Compliance form (annexure IV) before start of Reverse Auction. Without this, the bidder will not be eligible to participate in the event.
7. In line with the NIT terms, BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes & Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & Conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
8. Reverse auction will be conducted on scheduled date & time.
9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
10. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup that of line items, if required, (Annexure VII) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.
12. Bidders shall be required to read the "Terms & Conditions" section of the auctions site of Service Provider, using the Login IDs and passwords given to them by service provider before reverse auction event. Bidders should acquaint themselves of the 'Business Rules of Reverse', which will be communicated before the Reverse Auction.
13. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines, shall be initiated by BHEL and the results of the RA scrapped/aborted.
14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
15. In case BHEL decides to go for reverse auction, the H1 bidder (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.



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



|                             |  |  |       |                  |                             |
|-----------------------------|--|--|-------|------------------|-----------------------------|
|                             |  | BHARAT HEAVY ELECTRICALS. LTD.<br>CENTRAL FOUNDRY FORGE PLANT<br>RANIPUR HARDWAR |       |                  |                             |
| DEPTT.                      | FDY.TECH.                              |  | SCALE | N.T.S.           | WEIGHT IN Kgs               |
| TITLE                       | ROUGH M/C DRG FOR<br>CROWN OF IMPELLER |  |       |                  | DRN /23/PRANAHITA-VI/23494M |
| PROJECT AND CUSTOMER NAME   |  | TECHNOLOGY NO  |       | DRAWING NO       |                             |
| PRANAHITA-VI<br>BHEL-BHOPAL |  | 23494  |       | 0-204-07-18403/M |                             |
|                             |  |  |       | SHEET NO.- 1     | NO. OFF SHEETS-1            |



| REV  | DATE | ALTERED<br>CHECKED | REV  | DATE | ALTERED<br>CHECKED | REV  | DATE | ALTERED<br>CHECKED | REV  | DATE | ALTERED<br>CHECKED |
|------|------|--------------------|------|------|--------------------|------|------|--------------------|------|------|--------------------|
| ZONE |      |                    | ZONE |      |                    | ZONE |      |                    | ZONE |      |                    |
|      | 7    |                    |      | 6    |                    |      | 5    |                    |      | 4    |                    |

