

**BHARAT HEAVY ELECTRICALS LIMITED**CORPORATE RESEARCH & DEVELOPMENT DIVISION
VIKASNAGAR, HYDERABAD - 500 093, INDIA

PHONES:233774494 (EXT:9804)

FAX : 91 40 23770698

RD:DP:MPX:F-04

ENQUIRY

Ref: 351108051

Date 16-03-2012

To

OFFICE COPY

Enquiry for **EPOXY INSULATORS**

Enquiry No:351108051 Enquiry Date : 16-03-2012 Due Date: 17-04-2012 Indicative Delivery Date : 31-10-2012

Sl.No	Item Description	Unit	Qty
1	EPOXY insulators (with HT & LT insert) as per enclosed Specifications and drawings.	NO	150

Please submit your quotation for the above material in sealed cover superscribed with enquiry no, enquiry date and due date subject to our enclosed terms and conditions. The quotations shall reach us on or before the due date by 12 noon. The tenders can also be dropped in the tender box kept at the security gate,BHEL R&D. In case you are not in position to submit the offer,please send reply suitably specifying the reasons.

Sl.No	Description	Document Ref.
01	Enquiry, General Terms & Conditions, Commercial Terms & Conditions etc.	Volume - 1
02	Technical specifications, Scope of Supply etc.	Volume - 2

Sl.No Vendor Name and code

- 1 **TRENCH GERMANY GMBH (TA0097)**
- 2 **TYCO ELCTRONIC SYSTEM INDIA LTD (TC0045)**
- 3 **ABB SWITZERLAND LTD, MICAFIL (AZ0301)**
- 4 **TYCO ELECTRONICS LOGISTICS AG (TA0045)**
- 5 **DONG WOO ELECTRIC CORPORATION (DZ0200)**
- 6 **RAYCHEM RPG PVT.LTD. (RA0256)**
- 7 **PASSONI & VILLA (PZ0132)**
- 8 **MEKUFA UK LTD (MZ0290)**
- 9 **CHUNG TOP INDUSTRIES CO., LTD. (CZ0189)**

P Bhaskara Reddy
Sr Dy General Manager
pbreddy@bhelrnd.co.in



ENQUIRY & QUALIFYING CRITERIA

Volume - 1
Enquiry No
351108051

EPOXY INSULATORS

1	Tendor inviting officer / Authority, Designation and Address	Additional General Manager(MM) BHEL R & D, Vikas Nagar (Near Balanagar), Hyderabad -500093
2	Item Description - Qty	1) EPOXY insulators (with HT & LT insert) as per enclosed Specifications and drawings. - 150 NO
3	Enquiry Reference no.	351108051
4	Indicative Delivery Date	31-10-2012
5	Due date, Time and place for submission of tender	17-04-2012 upto 12 noon. Sealed Quotations shall be addressed to AGM(MM), BHEL R & D Division, Vikas Nagar (Near Balanagar), Hyderabad AP,India Pin - 500 093 Quotations can also be deposited in the Tender box located at Security Gate of BHEL R & D BHEL shall not be responsible for any postal/courier delay.
6	Place, Date and time of Tech.Bid opening	Tender Opening Cell (Sangam) BHEL R & D Office. 17-04-2012, 2 PM
7	Mode of Submission of Tender	Please submit your offer in one common sealed cover containing two parts in separate sealed covers as detailed below. 1. First cover shall contain: a. Technical & Commercial bid b. Filled in Commercial Compliance Statement (mandatory) c. Copy of price-bid with price(s) cells blank (un-priced price bid) 2. Second cover shall contain price bid.Price bid containing price quotes ,installation and /or commissioning charges shall be spelt out clearly taking into account total charges rather than quoting vaguely such as charges per man-day or charges per engineer per day etc. If the price bid was found later to be different from the unpriced price bid format in any way,the offer will be rejected summarily.The rates shall be quoted both in figures and in words.



GENERAL TERMS & CONDITIONS (GTC)

Volume - 1
Enquiry No
351108051

EPOXY INSULATORS

SL.No.	Clause	BHEL REQUIREMENT
1	General	<p>a. All offers must include name of the contact person, phone no/mobile no,fax no,email id. Unsigned offers are liable for rejection.</p> <p>b. Being a research institution, BHEL R&D is exempt from Customs duty against direct imports from foreign suppliers and exempt from central excise duty against indigenous suppliers as per Govt. of India. Hence suppliers are requested to submit their bids clearly stating applicable taxes/duties.</p> <p>c. Taxes & Duties quoted will be taken for cost evaluation & order placement and no change will be entertained later except in the case of changes made by the government. In case any Taxes/Duties exempted, a self declaration for the same may be attached to the offer. Changes in taxes and duties because of the changes in turn over etc will be to suppliers account.</p> <p>d. Where ever vendor registration form and EFT details have been submitted earlier, the same need not be submitted again unless there is a change.</p> <p>e. BHEL R&D do not issue proforma 'C' form .</p>
2	Foreign Suppliers	<p>BHEL will deal directly with foreign vendors, where ever required, for procurement of goods. However, if the foreign principal desires to avail of services of an Indian agent, then foreign principle should ensure compliance to regulatory guidelines which require mandatory submission of agency agreement containing agency commission.</p> <p>Any supplier (Agents/distributors/representatives) desires of quoting imported goods/services, they should submit the quote in foreign currency along with agency agreement copy, failing which their offer is liable for rejection. In case of non submission of agreement copy, the principal should submit quotation to BHEL directly. Foreign supplier will also indicate in their offer Indian agent's name, if any, address and percentage of agency commission out of the quoted price.</p>
3	Late Tenders	Tenders received after due date/time(12:00hrs) will not be considered
4	Overwriting & Erasures	The Quotation should be free from overwriting and erasures. Corrections and additions, if any, must be attested. In case of difference in unit price and corresponding total value or figures or words/text, BHEL reserves the right to select the figures or words/text leading to lowest cost to BHEL.
5	Two Part bid clarifications	In the case of Two-part bid, the vendor should furnish technical and commercial clarifications, if any, within stipulated time mentioned, failing which, it will be construed that the vendor is not interested in the tender and BHEL shall not consider the offer for further evaluation.

6	Price Impacts	In the event of any bidder, after finalizing the technical specifications and scope of supply, opting to revise their original bid, they have to submit the Price-Impact only. The Original price bid along with Price-Impact bid shall be opened during price bid opening. Unsolicited price impacts will not be considered.
7	Price bid evaluation	All offers in price bid opening or reverse auction shall be evaluated in Indian currency based on unit price, packing & forwarding, taxes/duties, freight charges if any, exchange rate>Loading due to non-acceptance of our standard commercial terms will be evaluated as per the LOADING FACTORS form as enclosed along with the enquiry.The exchange rate declared by State Bank of India under TT Selling rate on the technical bid open date shall be adopted for evaluating foreign currency bids.
8	Packing	The supplier shall be responsible for the goods being properly and adequately packed so as to prevent any loss, damage or deterioration during transit.
9	Withdrawal	In case the supplier withdraws their offer before placement of order, BHEL reserves the right not to send next enquiry(ies). In case the supplier withdraws the quotation after its acceptance by BHEL or fails to supply the goods as per the terms and conditions of contract, or at any time repudiated the contract wholly or in part,BHEL shall be at liberty to cancel the Purchase Order and to recover from the supplier the extra cost and other loss,incidentals due to the breach of contract on the part of the supplier through risk purchase.
10	Risk Purchase	In case of default/late delivery,BHEL reserves the right to make alternate arrangement for procurement at suppliers risk and cost.
11	Banned List	The offers of the bidders who are in the banned list and the offers of the bidders who engage the services of the banned firms, shall be rejected.The list of banned firms is available on BHEL website www.bhel.com .
12	Over All L1	Order will be placed on overall L1 basis. Vendors should quote for all items, otherwise the offer will be rejected.
13	Additional Information	Suppliers are requested to visit our web site regularly for any updates and additional information, "All corrigenda, addenda, amendments, time extensions clarifications, etc. to the tender will be hosted on BHEL website only". The corrigendum will not be published in news paper.
14	Destination	India Vendors: Destination shall be Stores,BHEL R&D,Hyderabad. Foreign Vendors: BHEL R.O.D Office, Mumbai, India.
15	Arbitration	Subject to the jurisdiction of Hyderabad/Secunderabad,Andhra Pradesh,India in respect of any suit or other legal proceedings relating this contract.
16	Inspection	On receipt, the goods shall be subjected to inspection and our decision regarding the acceptability of the goods shall be final and binding on the suppliers.

Signature of the bidder with Seal & Date



COMMERCIAL TERMS & CONDITIONS (CTC)

Volume - 1
Enquiry No
351108051

EPOXY INSULATORS

SL.No.	Clause	BHEL REQUIREMENT	SUPPLIERS ACCEPTANCE / REMARKS
1	Validity of Offer	90 days from date of techno-commercial bid opening.	
2	Price basis	<p>The prices shall be firm for entire period of contract.</p> <p>The suppliers shall indicate packing and forwarding charges, if any, separately.</p> <p>All foreign suppliers shall quote the lowest prices on 'FCA-Nearest International Airport' basis. An amount of 3% on basic value towards freight and insurance will be added for cost comparison.</p> <p>All Indian suppliers shall quote the lowest prices on 'free delivery at BHEL R&D Stores or FOR destination' basis. In case of Ex-Works, an amount of 3% on basic value towards freight and insurance will be added for cost comparison.</p>	
3	LD Clause	<p>Any delay beyond delivery date will attract penalty @0.5% of the undelivered portion of order value per week of delay and pro-rata for part of week subject to maximum of 10% of undelivered portion of order value. In case of non acceptance to this LD Clause, 10% of basic material cost will be loaded on the quoted prices while cost comparison. (Please refer the enclosed 'Loading Factors' sheet).</p>	
4	Payment Terms	<p>a) For Indian Offers : BHEL standard payment term is "100% payment along with taxes by EFT/RTGS within 30 days of receipt and acceptance of material at BHEL R&D Stores, Hyderabad". For other payment terms there will be a loading on the offer as mentioned in our 'Loading Factors' sheet which is enclosed to this enquiry.</p> <p>b) For Foreign Offers : BHEL standard payment term is "100% Invoice value by wire transfer within</p>	

		30 days of receipt and acceptance of material at BHEL R&D Stores,Hyderabad". For other payment terms there will be a loading on the offer as mentioned in our "Loading Factors" sheet which is enclosed to this enquiry.All bank charges inside India shall be to BHEL account and outside India shall be to supplier's account.	
5	Freight & Insurance	Insurance will be arranged by BHEL in case of Ex-Works as well as FCA / FOB basis supplies.In such cases ,an amount of 3% towards freight and insurance will be added for cost comparision.	
6	Indemnity Bond	Supplier shall submit an indemnity bond for an amount equivalent to value of free issue material supplied by BHEL.This bond will be returned on completion of order.	
7	Agency Agreement	<p>Guidelines regarding dealing with indian agents of foreign suppliers</p> <ol style="list-style-type: none"> 1. BHEL shall deal directly with foreign vendors, wherever required, for procurement of goods.However, if the foreign principal desires to avail of services of an indian agent,then the foreign principal should ensure compliance to regulatory guidelines which require mandatory submission of agency agreement. 2. IT shall be incumbment on the indian agent and the foreign principal to adhere to the relevant guidelines of government of india, issued from time to time. 3. The agency agreement should specify the precise relationship between he foreign oem services to be rendered by agent / associate, whether general in nature or in relation to the particular contract, must clearly stated by the foreign supplier / indian agent.Any payment, which the agent / associate receives in india or abroad from the oem, whether as commission or as a general retainer fee shall be brought out in record in the agreement and be made explicit in order to encurse compliance to the laws of the country. 4. Any agency commission to be paid 	

		by BHEL to the indian agent shall be indian currency. 5. Whenever indian agents are representing on behalf of their principals the relevant au.	
8	Delivery Date	Suppliers are requested to quote for the delivery period mentioned in the enquiry. However suppliers can quote best possible delivery, in case it is not possible to meet the delivery requirement of BHEL. However BHEL reserves the right to reject the offer before price bod opening in case of not meeting the delivery requirements of BHEL.	

Note : All the clauses of the above format should be filled and submitted with the Techno Commercial Bid (Part-1). The filled in BHEL Commercial terms & Conditions format submitted with technical bid, responding to all the clauses duly signed with seal **only shall be considered**. Any other Commercial terms & conditions of bidders entered else where in their offer shall not be considered and are liable for rejection.

Signature of the bidder with Seal & Date



ITEM SPECIFICATIONS

Volume - 2
Enquiry NO
351108051

EPOXY INSULATORS

SL.No.	Item		
1	EPOXY insulators (with HT & LT insert) as per enclosed Specifications and drawings.		
sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
1	EPOXY insulators (with HT & LT insert)	As per enclosed Specifications PSGSG134A and drawings 1697100A, 1697102, 1697103.	
	Manufactures Test Certificate	Manufacturer's Test Certificate required and shall be provided before dispatch.	
	Warranty	All supplied items to be provided with warranty for one year from the date of dispatch. In case of items involving erection and commissioning, supplier shall provide warranty for 18 months from date of dispatch or 12 months from erection and commissioning whichever is earlier.	
G	General Specifications		
sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
1	EPOXY insulators (with HT & LT insert)	As per enclosed Specifications PSGSG134A and drawings 1697100A, 1697102, 1697103.	
	Manufactures Test Certificate	Manufacturer's Test Certificate required and shall be provided before dispatch.	
		All supplied items to be provided with warranty for one year from the date of dispatch. In case	

	Warranty	of items involving erection and commissioning, supplier shall provide warranty for 18 months from date of dispatch or 12 months from erection and commissioning whichever is earlier.	
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* Vendors are advised to write specifications in detail and not to write like 'Complied/ Yes / No ' etc. in specifications.

Signature of the bidder with Seal & Date

LOADING FACTORS



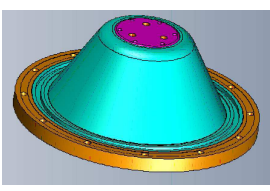
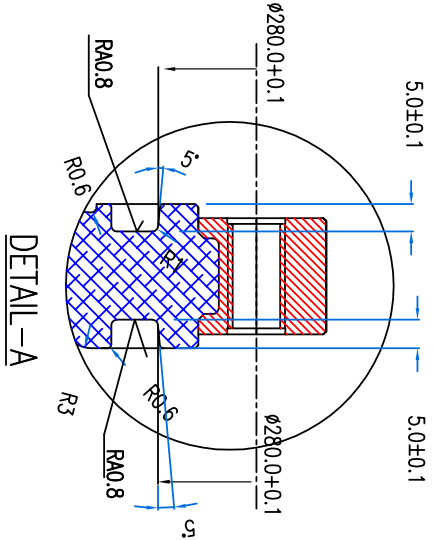
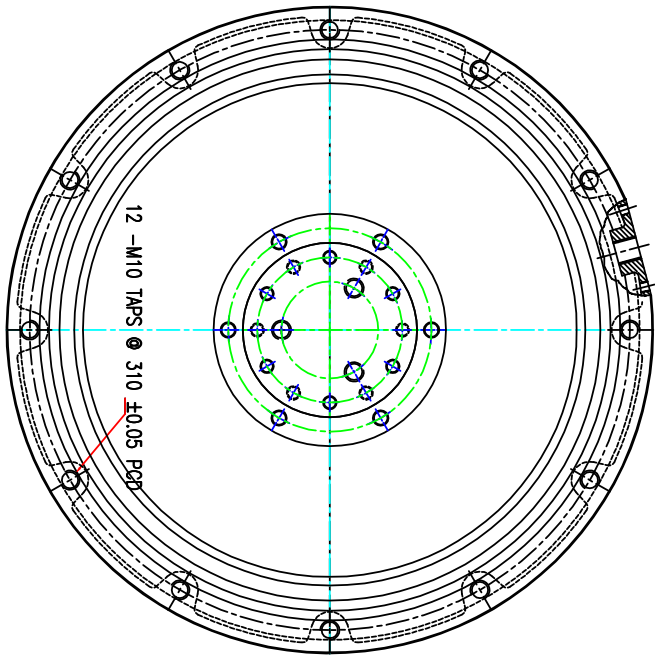
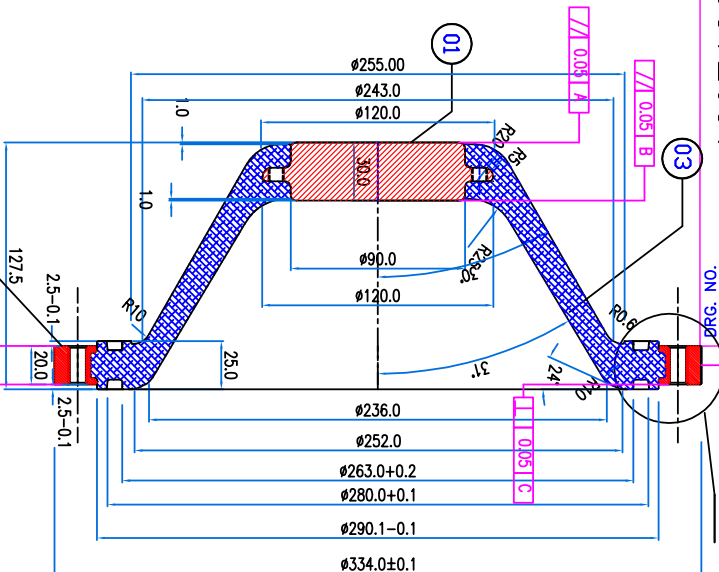
NOTE : IN CASE OF DEVIATION TO BHEL TENDER SPECIFIED TERMS, LOADING FACTOR INDICATED IN FOLLOWING TABLE WILL BE APPLIED TO QUOTED PRICE WHILE EVALUATING THE LOWEST QUOTE ()

A. FOR INDIGENOUS PURCHASES					
SLNO	SCOPE	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED	LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS
A.1	SUPPLY OF EQUIPMENT	PAYMENT TERMS	100% PAYMENT, WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF MATERIAL	SAME	NIL
				PAYMENT AGAINST PROFORMA INVOICE / DESPATCH DOCUMENT OR CASH ON DELIVERY (COD) / CASH AGAINST PROOF OF DESPATCH	11% INTEREST ON THE TOTAL PO VALUE FOR ONE MONTH
				ADVANCE PAYMENT WITH BANK GUARANTEE	11% INTEREST ON THE TOTAL VALUE FOR OFFERED DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH
				PART ADVANCE PAYMENT WITH SUPPORTING BANK GUARANTEE AND BALANCE WITH IN 30 DAYS	11% INTEREST ON ADVANCE FOR OFFERED DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH
				PART ADVANCE PAYMENT WITH SUPPORTING BANK GUARANTEE AND BALANCE ON RECEIPT OF MATERIAL	11% INTEREST ON ADVANCE FOR OFFERED DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH AND 11% INTEREST ON BALANCE AMOUNT FOR ONE MONTH
A.2	SUPPLY OF EQUIPMENT INCLUDING E&C	PAYMENT TERMS (THE SUPPLIER MUST SUBMIT A PERFORMANCE BANK GUARANTEE (PBG) FOR 10% OF THE BASIC VALUE OF THE ORDER VALID FOR WARRANTY PERIOD.)	90% PAYMENT, WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF MATERIAL . BALANCE 10% WITH IN 30 DAYS OF COMPLETION OF E&C AND ON SUBMISSION OF PERFORMANCE BANK GUARANTEE (PBG) FOR 10% OF BASIC PO VALUE.	SAME	NIL
				100% PAYMENT WITH IN 30DAYS AFTER COMPLETION OF SUPPLIES AND ERECTION AND COMMISSIONING	NIL PBG WILL NOT BE INSISTED FROM THE SUPPLIER)
				90% PAYMENT AGAINST PROFORMA INVOICE/ DESPATCH DOCUMENT OR CASH ON DELIVERY (COD) / CASH AGAINST DESPATCH AND BALANCE 10% WITH IN 30 DAYS OF E&C	11% INTEREST ON 90% OF THE VALUE OF PO FOR ONE MONTH
				90% PAYMENT AGAINST PROFORMA / DESPATCH DOCUMENT OR CASH ON DESPATCH (COD) / CASH AGAINST DESPATCH AND BALANCE 10% AFTER COMPLETION OF E&C	11% INTEREST ON TOTAL PO VALUE FOR ONE MONTH
				90% ADVANCE PAYMENT WITH BANK GUARANTEE AND BALANCE 10% WITH IN 30 DAYS OF E&C	11% INTEREST ON 90% OF THE TOTAL VALUE FOR DELIVERY PERIOD (ROUNDED OF TO THE NEAREST MONTH) + 1 MONTH
				PART ADVANCE (x%) PAYMENT WITH SUPPORTING BANK GUARANTEE AND (90 - x) % PAYMENT ON RECEIPT OF MATERIAL AND 10% PAYMENT WITH IN 30 DAYS AFTER E&C	11% INTEREST ON THE ADVANCE AMOUNT FOR THE DELIVERY PERIOD (ROUNDED OF TO THE NEAREST MONTH)+ 1 MONTH AND 11% INTEREST ON (90-X)% PAYMENT FOR ONE MONTH
				PART ADVANCE (x%) PAYMENT WITH BANK GUARANTEE AND (90 - x) % PAYMENT ON RECEIPT OF MATERIAL AND 10% PAYMENT AFTER E&C	11% INTEREST ON THE ADVANCE AMOUNT FOR THE DELIVERY PERIOD (ROUNDED OF TO THE NEAREST MONTH)+ 1 MONTH AND 11% INTEREST ON BALANCE AMOUNT

V001/691

REFER DETAIL-A

(ALL DIMENSIONS ARE IN mm)



VAR.00	REMARKS	VAR. ITEM NO.	DESCRIPTION	QTY	DRAWING NO.	IT.IND.	MATL. CODE	MATL. SPECN.	UNIT	WT.	QTY.	ZONE
		03	EPXY BODY	1	1697102		SS-304				1	
		02	LT INSERT	1	1697103		ETP COPPER				1	
		01	HT INSERT-1	1								

NOTE: INSULATOR SHALL BE TESTED FOR A PRESSURE DIFFERENCE OF 12 BAR FOR 15 MIN.

MOULD INNER SURFACE SHALL BE GROUNDED TO RA0.8.
 Mould inner surface shall be plated suitably for smooth surface of insulators.
 Finished insulator shall be in its natural colour
 D-RING GROOVE DIMENSIONS SHALL BE MAINTAINED AS PER DRAWING.
 INSULATOR SURFACES SHALL BE SMOOTH AND CLEAN.
 THE INSULATOR SHALL BE PROCESSED SUCH THAT GAS SHALL NOT LEAK THROUGH LT INSERT

TYPE OF PRODUCT: **GSM145**

NAME OF CUSTOMER: **BHARAT HEAVY ELECTRICALS LTD. HYDERABAD**

DEPT.: **EP**

GRADE OF TOL. DIM. C/M/F: **NTS**

SCALE: **NTS**

WEIGHT(KG): **1697000**

DRN: **MMRAB** NAME: **MMRAB** SIGN: DATE: **01.08.08** NO. OF VAR.: **—**

APPD: **HSJAIN** REF. TO: **1697100A** DATE: **01.08.08** NO. OF ITEMS: **—**

INVENTORY NO. SIGN. AND DATE REF. DRG. 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.

REV.	DATE	ALTERED	CHECKED	ZONE

FINAL ON 09/03/09

REV.	DATE	ALTERED	CHECKED	ZONE

TITLE: **EPOXY INSULATOR-1**

CARD CODE: **1697100A**

SHEET NO.: **1697100A** NO. OF SHEETS: **00**

201691

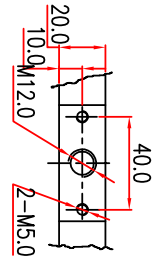
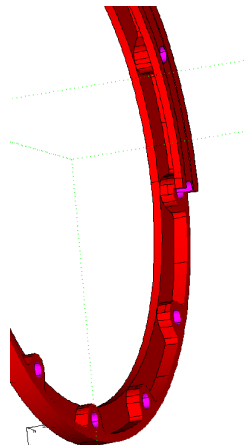
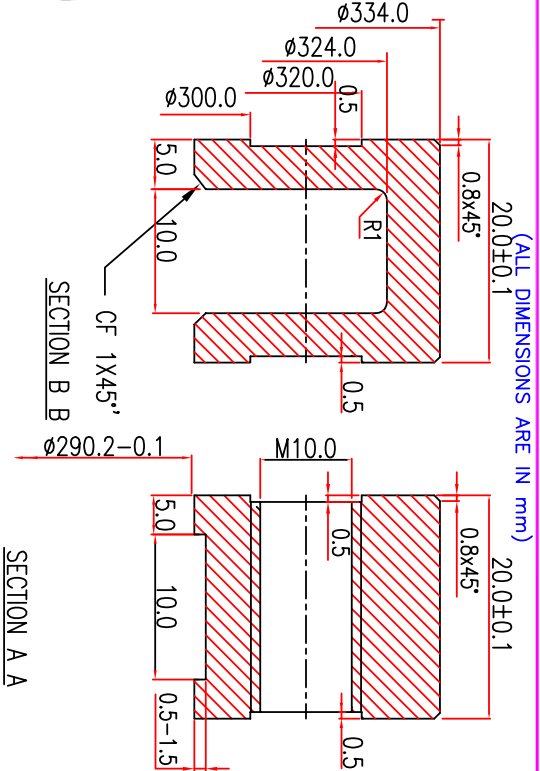
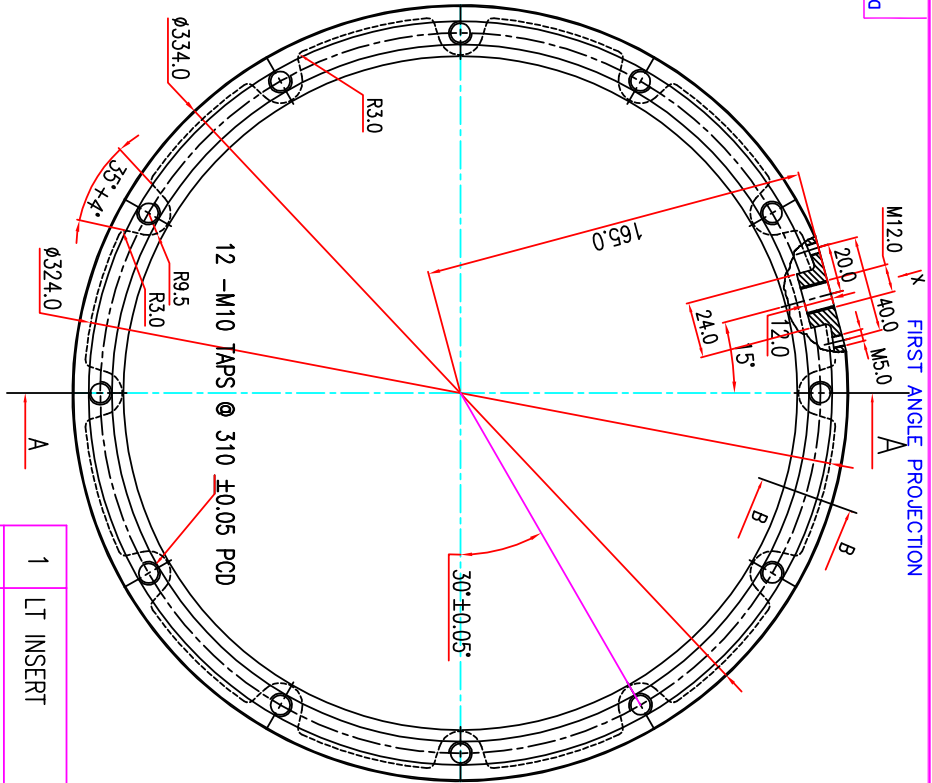
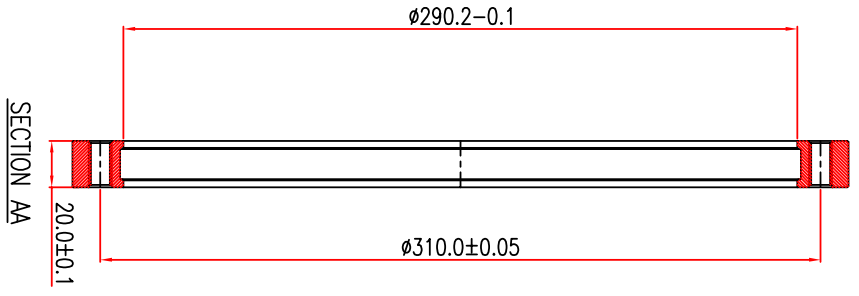
DRG. NO.

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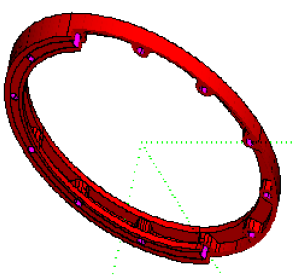
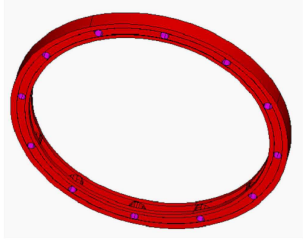
INVENTORY NO.

SIGN. AND DATE

REF. DRG. NO.

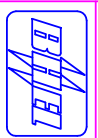


ITEM NO.	1	DESCRIPTION	LT INSERT	QTY.	UNIT	WT.
STG		DRAWING NO.				
VAR		MATL. SPECN.	SS-304			
ITND.		MATL. CODE	A			
C		LT				
QTY.						
SS						
ZONE						



ALL SHARP EDGES SHALL BE MACHINED TO 0.4X45°

FINAL ON 09/02/09



BHARAT HEAVY ELECTRICALS LTD.
HYDERABAD

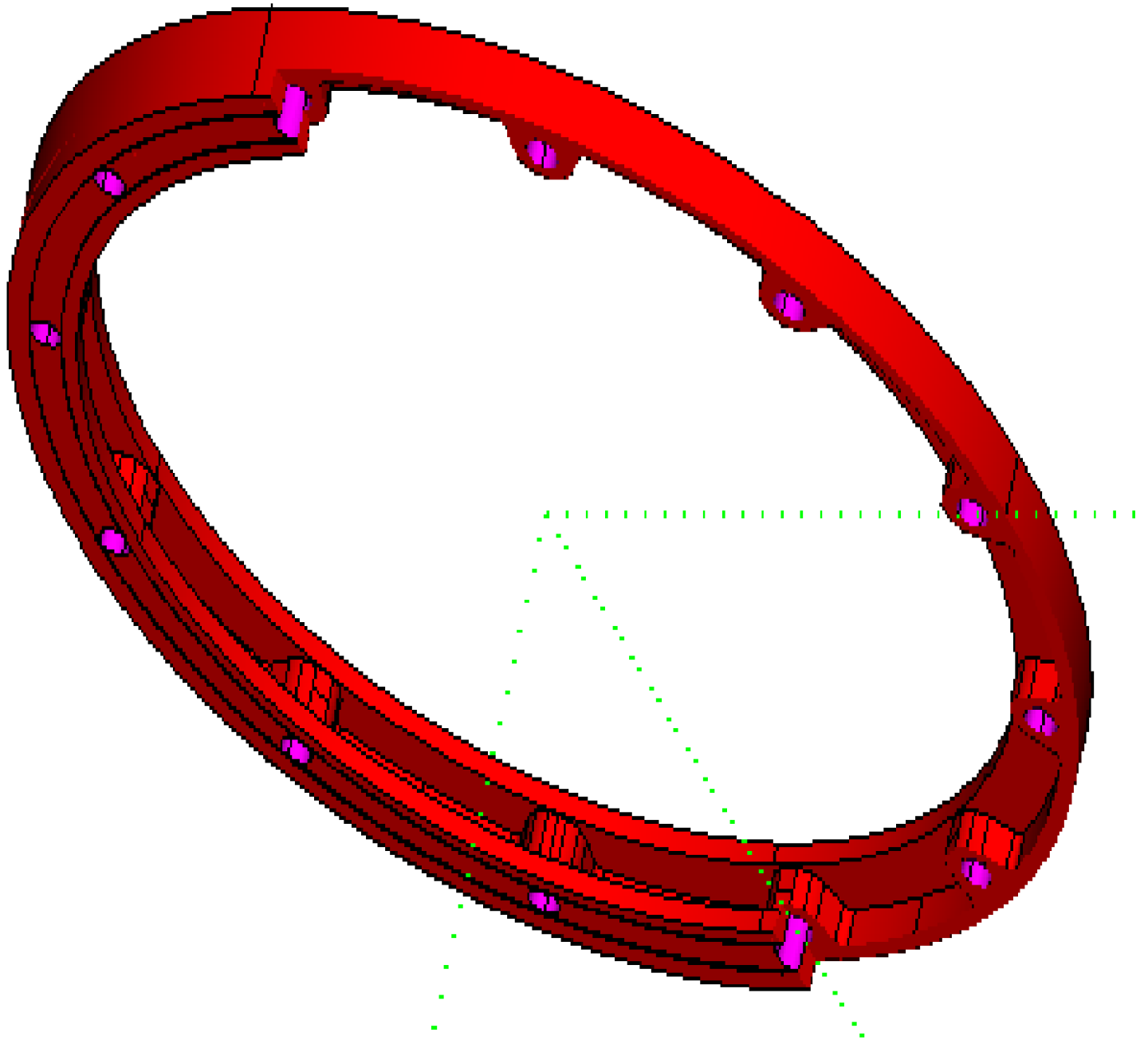
GSM

DRN	NAME	SIGN.	DATE	NO. OF
K.S.RAO			12-6-08	VAR.
MM RAO			12-6-08	
APPD	HSJMN		12-6-08	

REV.	DATE	ALTERED	CHECKED	ZONE
REV.	DATE	ALTERED	CHECKED	ZONE

DEPT.	GRADE OF	SCALE	WEIGHT(KG)	REF. TO
	TOL. DIM.			
	C/M/F	NIS		

TITLE	CARD CODE	DRAWING NO.	NO. OF SHEETS
LT RING		1697102	00



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.

INVENTORY NO. SIGN. AND DATE REF. DRG. NO.

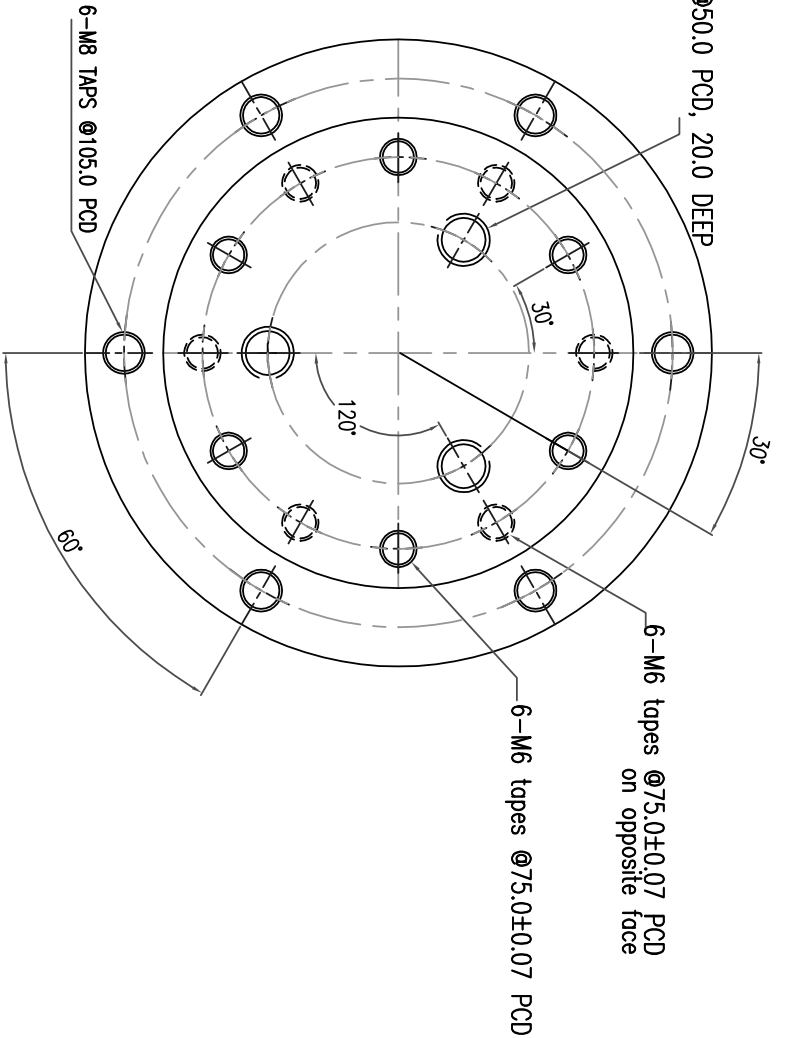
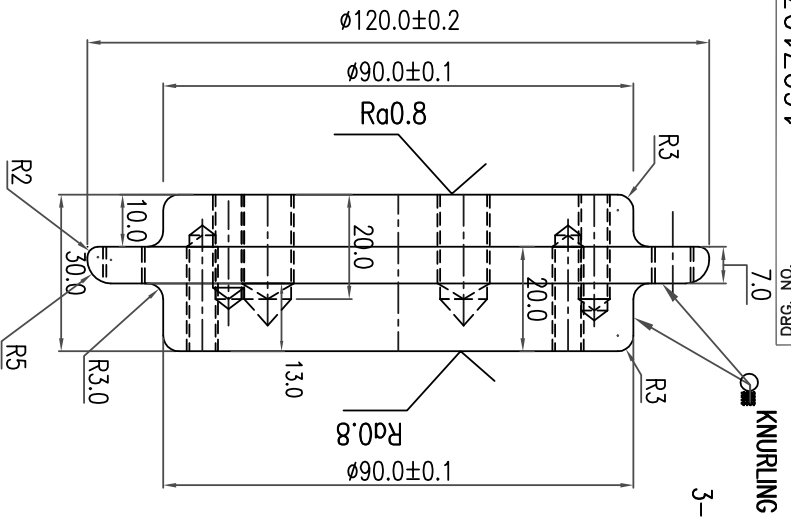
201691

DRG. NO.

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

(~1.6)



KNURLED FACE TO BE GROUND AND POLISHED TO FINAL OD MARKED COMPONENT TO BE POLISHED AND SILVER PLATED ALL SHARP EDGES SHALL BE FINISHED TO 0.4x45° TONGUE (R2, R5) SHALL BE MACHINED TO BETTER THAN R0.8

VAR.00	REMARKS	VAR. NO.	ITEM NO.	DESCRIPTION	QTY	DRAWING NO.	IT. NO.	MATL. CODE	MATL. SPECN.	A	C	UNIT	WT.	QTY.	NO. OF
				BLOCK				ETP COPPER							

TYPE OF PRODUCT
NAME OF CUSTOMER

GSM 145

BHARAT HEAVY ELECTRICALS LTD.
HYDERABAD

DRN	NAME	SIGN.	DATE	NO. OF
CKD	MMRADO		17.06.08	VAR.
APPD	HSJAIN		17.06.08	

REV.	DATE	ALTERED	REV.	DATE	ALTERED	DEPT.	GRADE OF	SCALE	WEIGHT(KG)	DRN	NAME <th>SIGN.</th> <th>DATE</th> <th>NO. OF</th>	SIGN.	DATE	NO. OF
		CHECKED			CHECKED		TOL. DIM.			CKD	MMRADO		17.06.08	VAR.
							C/M/F			APPD	HSJAIN		17.06.08	

HT INSERT-1

DRAWING NO. 1697103
SHEET NO. NO. OF SHEETS