

REQUEST FOR QUOTATION



BHARAT HEAVY ELECTRICALS LIMITED
Electronics Division
PB No. 2606, Mysore Road Bangalore - 560026
INDIA

RFQ NUMBER:
BKSSAE2502

RFQ DATE :
13.11.2025



MMI:PU:RF:003

1. This tender is floated for development of items as per BHEL requirements.
2. Non-Local supplier whose local content is less than 20% are not eligible to participate in this tender. MII format is mandatory for this tender.
3. Offers to be submitted in line with tender documents attached.

(for all correspondence)
Purchase Executive : Bimal Kanta Sethi
Phone : 080 26998190
Fax :
E-mail: bksethi@bhel.in

SI No.	Description	Qty	Unit	Delivery qty	Delivery Date
1	SAE251500002 IBCN/IPSN enclosure Assy * HSN/SAC : 8541 Mfr Part No.- 16923560030 Vendor - MPP ENGINEERING PRIVATE LIMITED Test Certificate	500	NO	500	09.02.2026

Total Number of Items - 1

- 1.
- 2.

TWO PART BID - SUBMIT TECHNICAL AND PRICE BID IN SEPARATE SEALED COVERS

NOTES:

1. This RFQ is governed by:
 - a) INSTRUCTIONS TO BIDDERS/SELLERS and GENERAL CONDITIONS OF CONTRACT FOR PURCHASE available at <http://edn.bhel.com> (**RFQ-PO Terms & Conditions**)
 - b) Any other specific Terms and Conditions mentioned.
 2. Bidders / Representatives who would like to be present during opening of offers are required to furnish authorization letter for the same.
- * The HSN/SAC no mentioned against the line items in the RFQ are indicative only.

For and On behalf of BHEL.

Bimal Kanta Sethi
Sub-Assembly

1 OF 1

	 EDN BANGALORE	PRE - QUALIFICATION CRITERIA FOR		Ref: PQC/IJCW/SAE
		Development of Injection molding components		REV NO 00
		(Valmet Facelift) GROUP: SUB ASSEMBLY ENGG		PAGE 01 OF 01
COPY RIGHT AND CONFIDENTIAL The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in anyway detrimental to the interest of the company.	<u>PRE-QUALIFICATION CRITERIA (POC)</u>			COMPLIED
	1	The bidder shall be an injection molded component manufacturer		Yes / No*
	2	The bidder shall have prior supply history of in-house manufactured injection molded components for industrial application.		Yes / No*
	3	The bidder should have expertise in design and development of mold, tools, jigs and fixtures associated with manufacturing of injection molded component.		Yes / No*
	4	The bidder shall have in-house facilities and experience of having manufactured intricate and complex injection molded components with tolerances of +0.1/-0.1 mm.		Yes / No*
	5	The bidder must be able to source raw material as per BHEL specification and submit relevant documents like Test certificates, inspection/tests reports etc.		Yes / No*
	6	The bidder shall submit details of manufacturing and inspection/testing facilities at their works along with the quotation.		Yes / No*
	7	The bidder shall have multiple injection molding machine for manufacturing of different components simultaneously with production capacity of up to 15000 units per month.		Yes / No*
	8	The component shall be manufactured by injection molding only. The Supplier shall maintain an in-house ultrasonic-welding facility and configure it so that all welds reliably achieve the requisite strength and integrity.		Yes / No
	9	The bidder shall support for rework/replacement of material at BHEL EDN in case of rejection during usage of item in production along with failure analysis in case of quality issues.		Yes / No
	10	The Supplier shall submit ten (10) sample units for functional evaluation and approval by BHEL prior to commencement of bulk supply.		Yes / No
<p>*Note – suppliers with no previous supply history of injection molded components to BHEL-EDN/ not registered with BHEL-EDN, shall give adequate documentary proof to substantiate claims above.</p> <p>Important note: Any supplier who currently has outstanding development orders for materials of a similar nature, or who is accountable for long-pending or unsuccessful deliveries of such materials, shall be considered ineligible to participate in this tender.</p>				
5				

QUOTATION (TECHNICAL BID FORMAT)

Date-

To:
Shri B K SETHI, Sr Manager
 SA-MM
 M/s. BHEL, EDN
 Mysore Road,
 Bangalore - 560026.

RFQ No:
 Due Date:
 Supplier Name/ID:
 GEM ID (if applicable):

**CERTIFICATE OF TECHNICAL COMPLINACE
 (TO BE FILLED BY THE SUPPLIER)**

	Complied (YES/NO) *
This is to certify that the items quoted by the undersigned on behalf of _____ are as per BHEL technical specification/drawing as mentioned in the RFQ and no technical deviation is sought.	

The above compliance certification shall be final and would supersede any other document submitted as part of the bid.

For (Supplier Name)

Sd with seal/-

QUOTATION (PRICE BID FORMAT)

Date-

To:
Shri B K SETHI, Sr Manager
 SA-MM
 M/s. BHEL, EDN
 Mysore Road,
 Bangalore - 560026.

RFQ No:
 Due Date:
 Supplier Name/ID:
 GEM ID (if applicable):

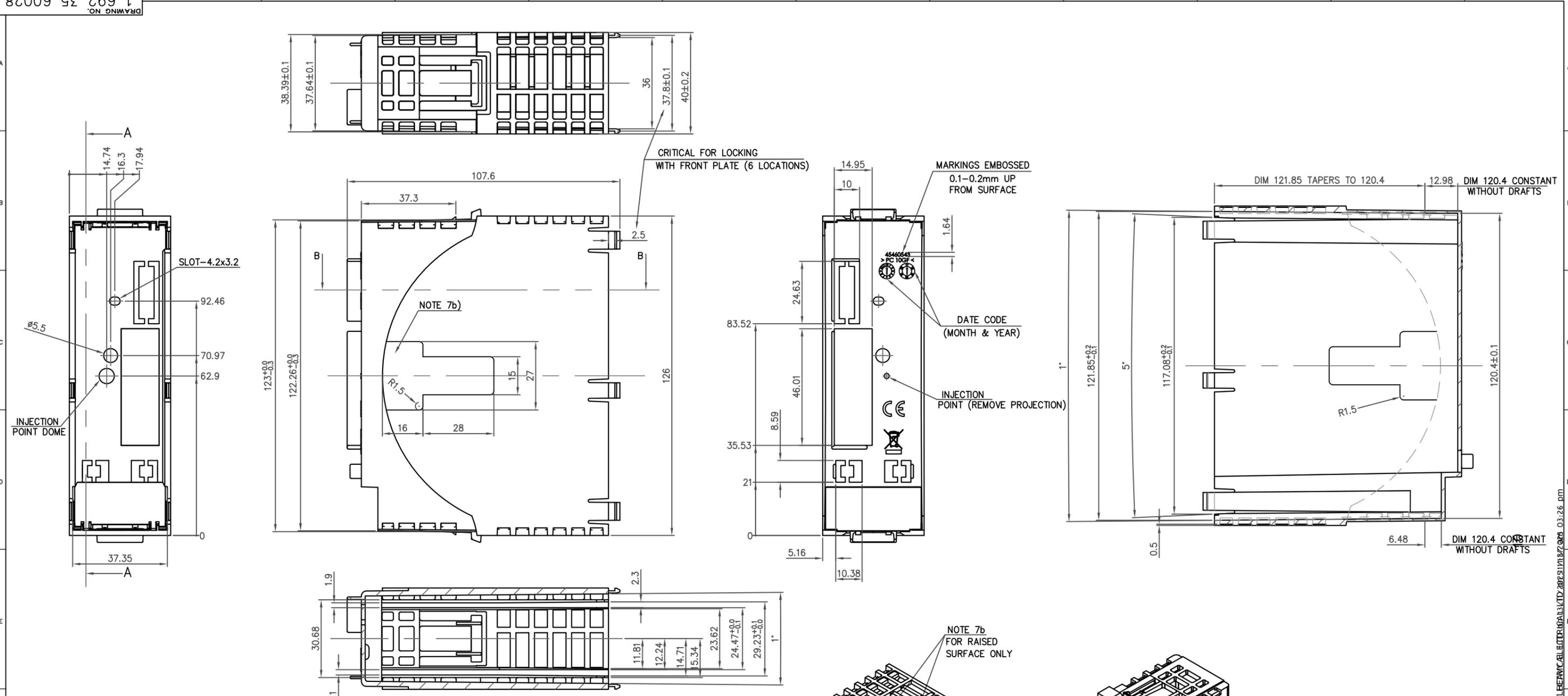
BHEL MATERIAL CODE	BHEL MATERIAL DESCRIPTION	QUANTITY (nos.)	UNIT PRICE (inclusive of all development charges)
SAE251500002	IBCN/IPSN enclosure Assy	500	

For (Supplier Name)

Sd with seal/-

SPECIAL TECHNICAL CONDITIONS FOR THIS
TENDER NO- BKSSAE2502

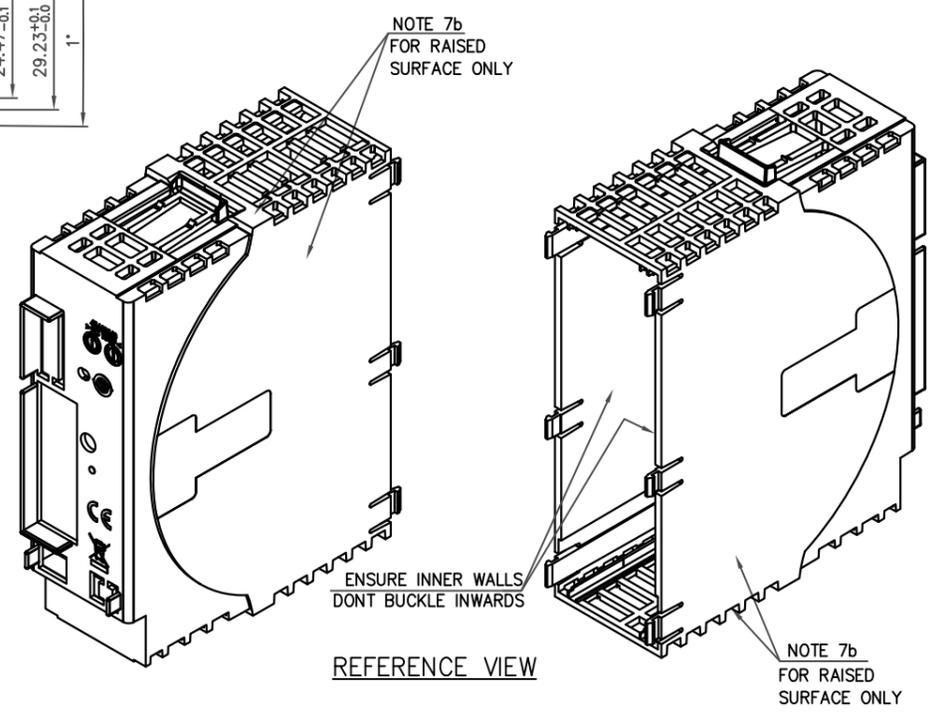
**10 nos samples to be supplied for
functional test and engineering
approval before bulk supply**



NOTE: -

- *1. MATERIAL: L.G. CHEM LUPOY GN 2101F, (POLYCARBONATE RESIN INCLUDING 10% GLASSFIBER)
COLOUR: EX214 GREY, CLOSE TO RAL7021.
- 2. SUITABLE DRAFT TO BE PROVIDED FOR MOULDING.
- 3. FLASHES SHALL BE REMOVED/DEBURRED.
- 4. MATERIAL TEST CERTIFICATE SHALL BE SUBMITTED
- 5. COMPONENT SHALL NOT HAVE TWIST AND WRAP.
- 6. VENDOR IDENTIFICATION MARK, FOR EXAMPLE (ge)
- 7. FINISH: -
 - a) SURFACE SHALL BE SMOOTH & UNIFORM IN TEXTURE.
 - b) SURFACE SHALL BE MATT FINISH (ROUGHNESS VALUE:1.5 TO 1.9 MICRON)
 - c) OTHER SURFACES SHALL BE GLOSSY (ROUGHNESS VALUE:0.1 TO 0.2 MICRON)

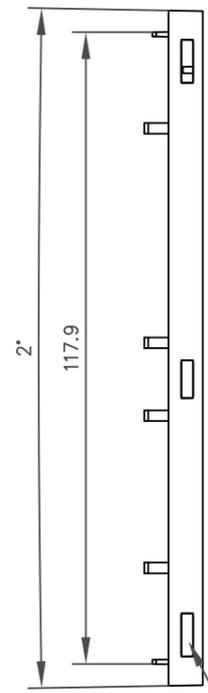
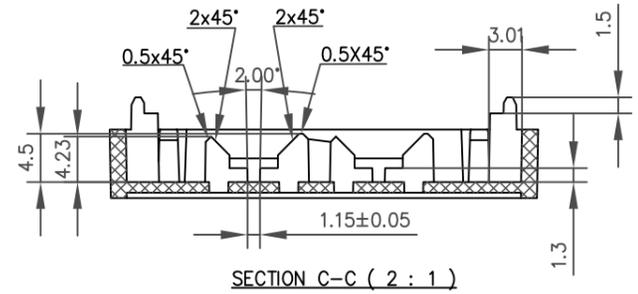
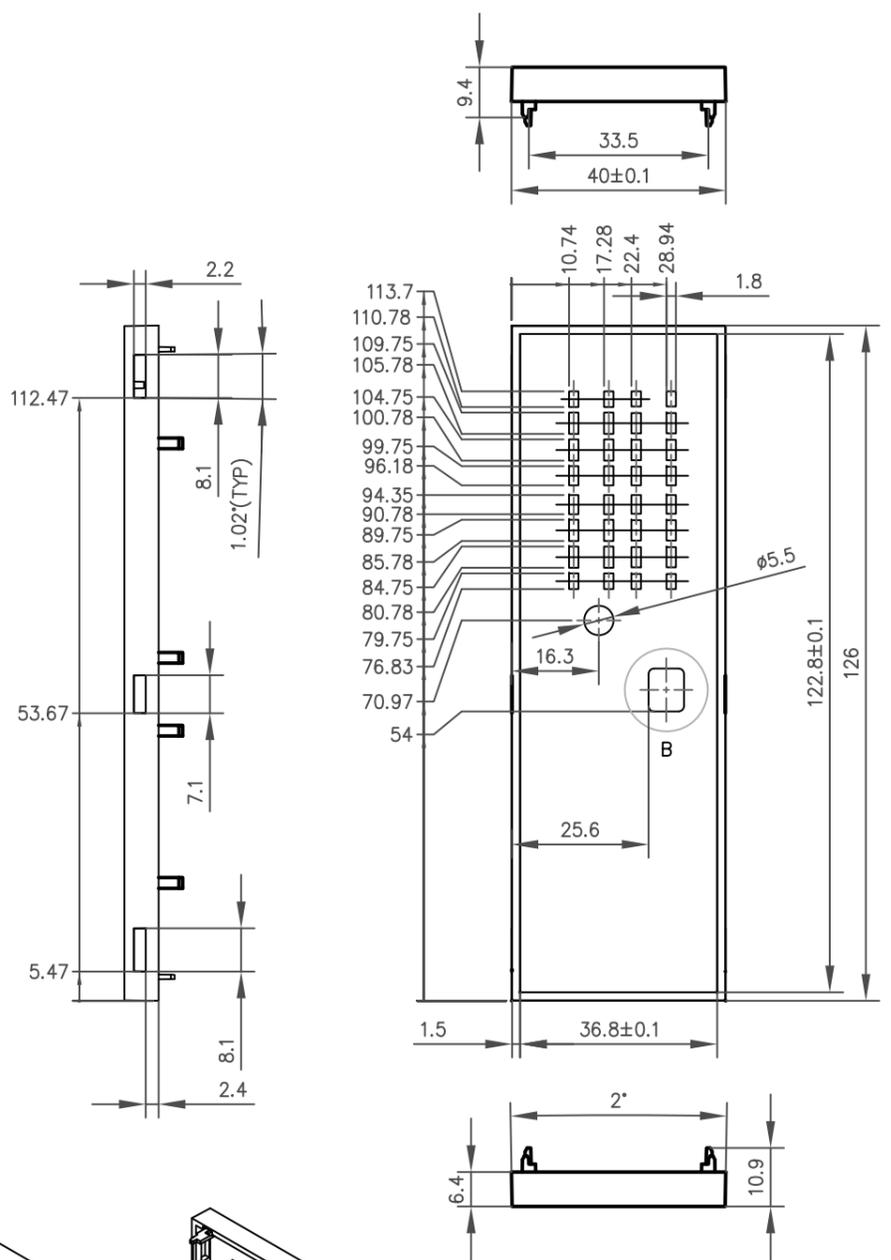
SECTION B-B
SCALE: 1:1



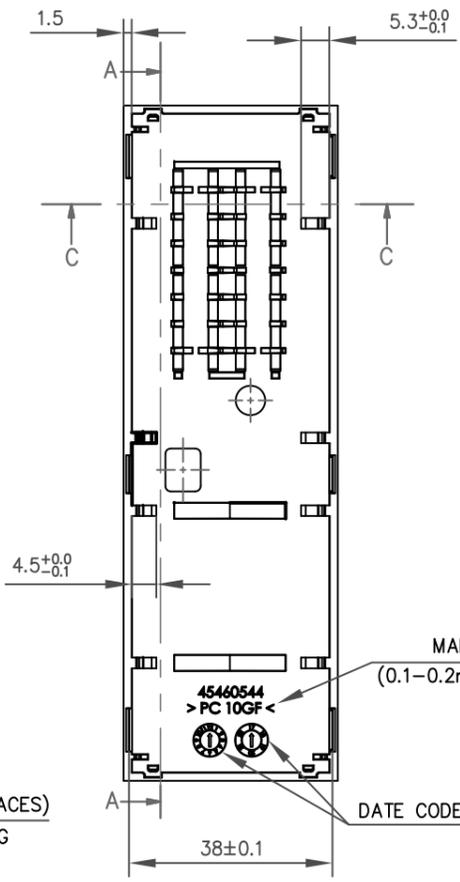
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ITEM NO.	DESCRIPTION	STD	DRAWING NO.	ITEM NO.	MATERIAL CODE	A	ITEM NO.	MATERIAL SPECN.	CUT QTY
NAME OF CUSTOMER/PROJECT									
BHARAT HEAVY ELECTRICALS LIMITED. ELECTRONICS DIVISION, BANGALORE									
DRN	PALLAVI C	16/11/2023							
CKD	VISHNU RAJ	16/11/2023							
APPD	VISHNU RAJ	16/11/2023							
DEPT. SAE	FOR UNSPECIFIED-TOLERANCES REFER ED 0230499	SCALE	WEIGHT(Kg)	REF. TO ASSY. DRG.	ITEM NO.	NO. OF SHEETS	NO. OF SHEETS	NO. OF SHEETS	NO. OF SHEETS
406		1:1							
DRAWING NO. 1 692 35 60028									
SHEET NO. 01									

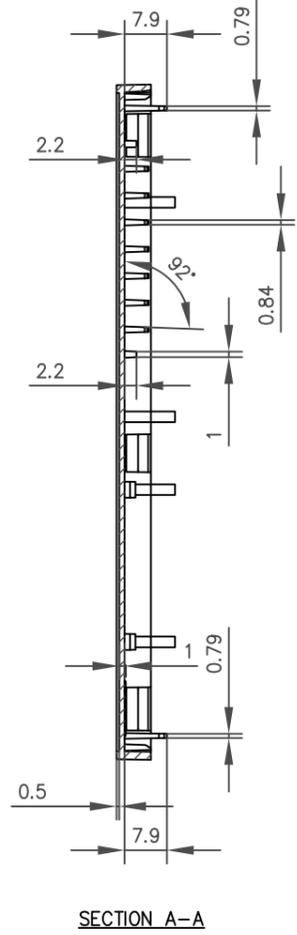
INVENTORY NO. 1598866/2023/EDN-SA/ENG/15460543-5.05
 DEPT. SAE 406
 FILED IN 1598866/2023/EDN-SA/ENG/15460543-5.05
 COMPUTER NO. 243029
 GENERATED FROM THE CONTROL SYSTEM BY BRGALVISTHAR@BHARATHEAVY.COM
 DATE 16/11/2023 03:26 PM



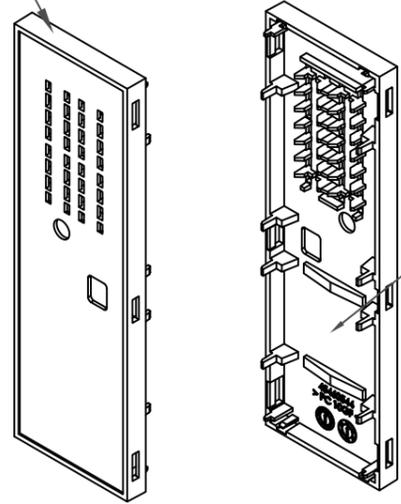
SLOT OPENING (6 PLACES)
CRITICAL FOR LOCKING



MARKING EMBOSSED
(0.1-0.2mm UP FROM SURFACE)
45460544
> PC 10GF <
DATE CODE (MONTH & YEAR)

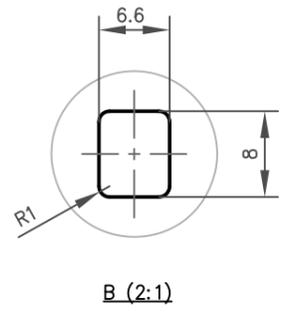


REFER -NOTE 7b
(4 SIDES)



REFERENCE VIEW

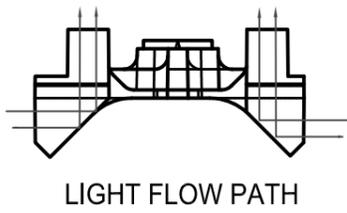
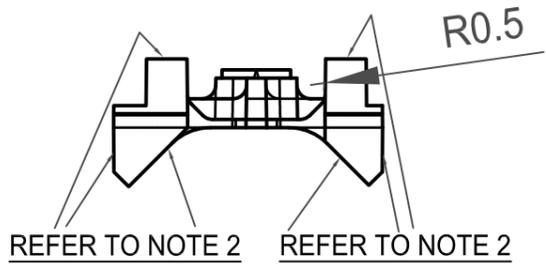
REFER NOTE 6



- NOTE:-
- *1. MATERIAL:L.G. CHEM LUPOY GN 2101F, (POLYCARBONATE RESIN INCLUDING 10% GLASSFIBER) COLOUR:EX214 GREY, CLOSE TO RAL7021.
 2. SUITABLE DRAFT TO BE PROVIDED FOR MOULDING.
 3. FLASHES SHALL BE REMOVED/DEBURRED.
 4. MATERIAL TEST CERTIFICATE SHALL BE SUBMITTED
 5. COMPONENT SHALL NOT HAVE TWIST AND WRAP.
 6. VENDOR IDENTIFICATION MARK, FOR EXAMPLE
 7. FINISH :
 - a) SURFACE SHALL BE SMOOTH & UNIFORM IN TEXTURE.
 - b) SURFACE SHALL BE MATT FINISH (ROUGHNESS VALUE:1.5 TO 1.9 MICRON)
 - c) OTHER SURFACES SHALL BE GLOSSY (ROUGHNESS VALUE:0.1 TO 0.2 MICRON)

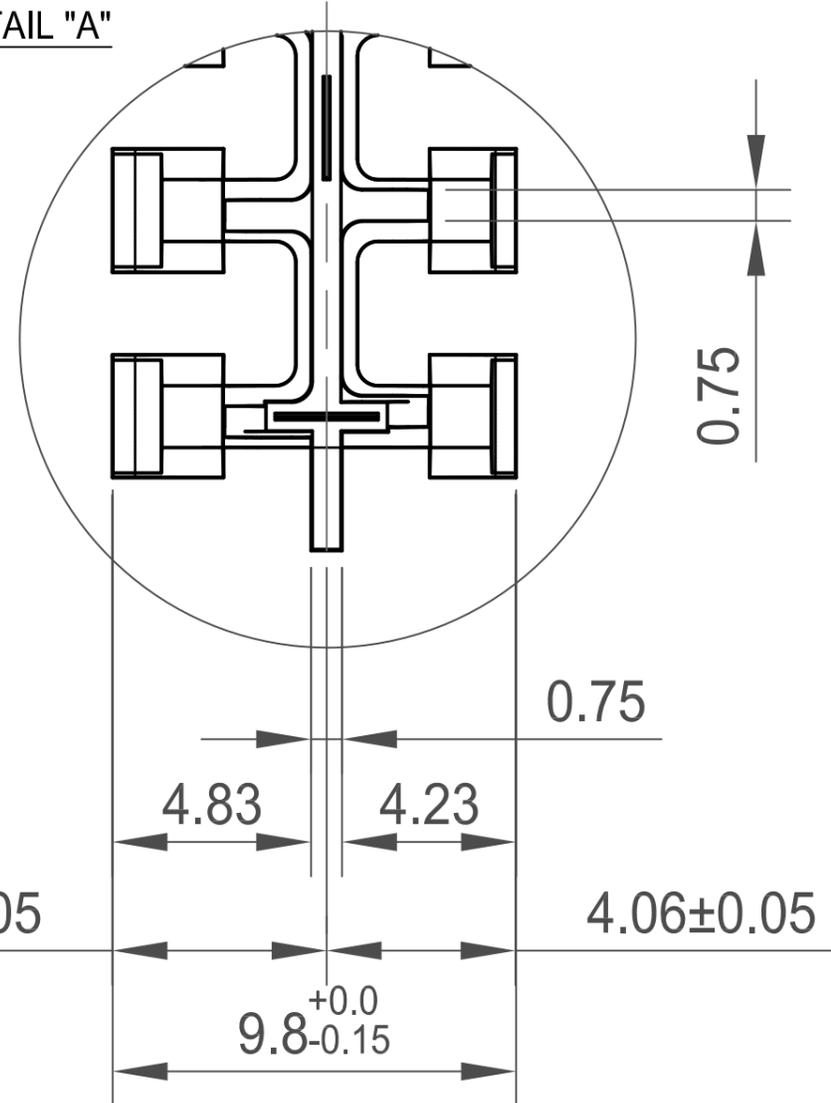
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ITEM NO.	DESCRIPTION	STD	DRAWING NO.	ITEM NO.	MATERIAL CODE	A	UT.
				VAR	MATERIAL SPECN.	C	QTY
				ANT			
CARD TYPE 2							
NAME OF CUSTOMER/PROJECT							
DEPT. SAE 406 FOR UNSPECIFIED-TOLERANCES REFER ED 0230499				NAME BHARAT HEAVY ELECTRICALS LIMITED. ELECTRONICS DIVISION, BANGALORE			
SCALE		WEIGHT(Kg)		REF. TO ASSY. DRG.		ITEM NO.	
1:0.75							
TITLE				DRAWING NO.			
FRONT PLATE IBCN/IPSN				1 692 35 60024			
SHEET NO. 02				NO. OF SHEETS 02			

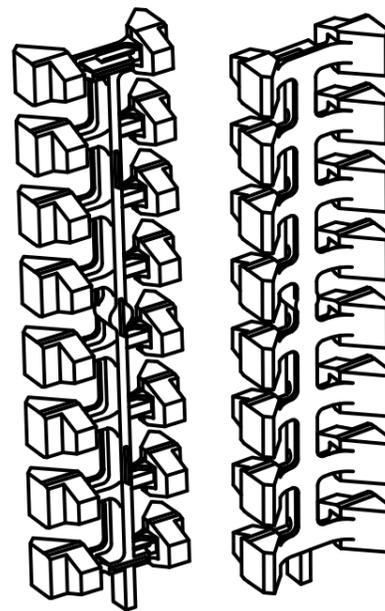
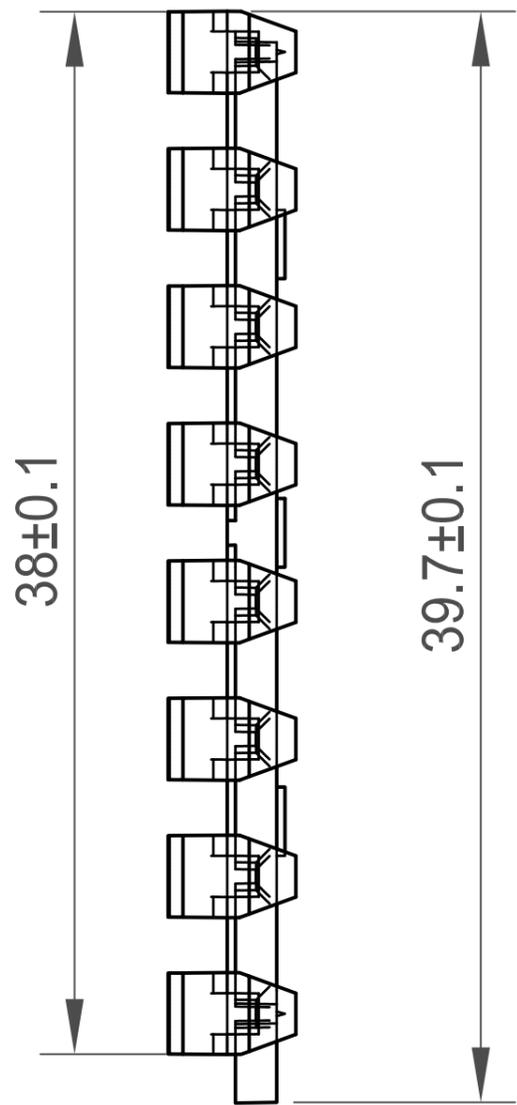
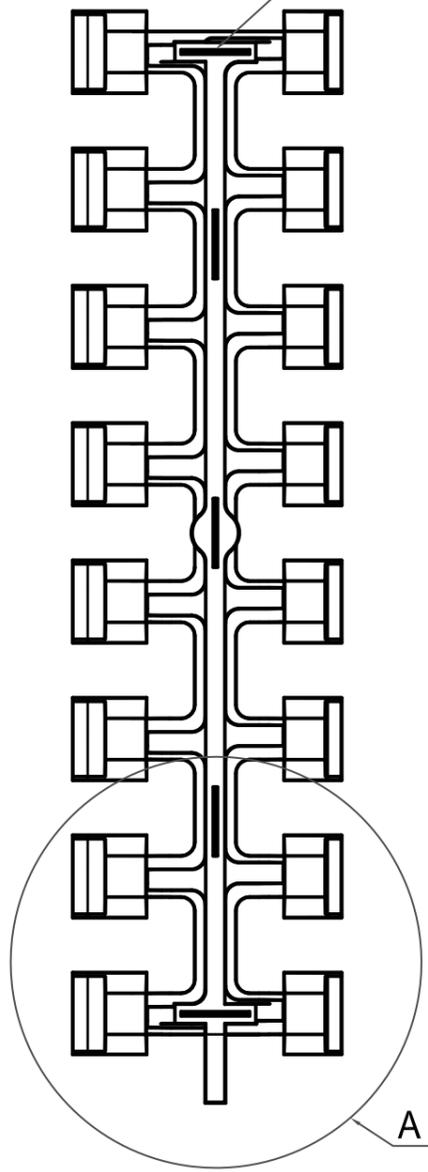


LIGHT FLOW PATH

DETAIL "A"



PROJECTIONS FOR ULTRASONIC WELDING
(AT 5 LOCATIONS)



REFERENCE VIEW

NOTE:-

1. MATERIAL: POLYCARBONATE CLEAR SABIC (LEXAN 923A-116)
FLAMMABILITY UL94 V-0.
COLOUR: CLEAR (TRANSPARENT)
2. SCRATCHES, EJECTION MARKS ARE NOT ALLOWED ON THESE SURFACES, SURFACES SHALL BE SPI A2.
3. SUITABLE DRAFT TO BE PROVIDED FOR MOULDING.
4. GENERAL TOLERANCE ± 0.05
5. COMPONENT SHALL NOT HAVE TWIST AND WRAP.
6. COMPONENT SHALL BE FREE FROM FLASHES.
7. MATERIAL COMPLIANCE CERTIFICATE SHALL BE SUBMITTED ALONG WITH BATCH SUPPLY.

01	*POLYCARBONATE 4.7x9.8x39.7LG				
ITEM NO.	DESCRIPTION	STD	DRAWING NO.	ITEM NO. / VARI ANT	MATERIAL CODE / MATERIAL SPECN.

CARD TYPE 2
NAME OF CUSTOMER/PROJECT

BHARAT HEAVY ELECTRICALS LIMITED. ELECTRONICS DIVISION, BANGALORE		DRN BYREGOWDA CKD VISHNU RAJ APPD VISHNU RAJ	NAME SIGN.
DEPT. SAE CODE 406	FOR UNSPECIFIED-TOLERANCES REFER ED 0230499	SCALE 8:1 WEIGHT(Kg)	REF. TO ASSY. DRG. ITEM NO.
TITLE OPTO PIPE FOR ISOLATED IO ENCLOSURE		DRAWING NO. 1 692 35 60008	
SHEET NO. 01		NO. OF SHEETS 01	

REV.	DATE	ALTERED CHECKED	APPROVED	REV.	DATE	ALTERED CHECKED	APPROVED	REV.	DATE	ALTERED CHECKED	APPROVED	REV.	DATE	ALTERED CHECKED	APPROVED	REV.	DATE	ALTERED CHECKED	APPROVED	REV.	DATE	ALTERED CHECKED	APPROVED

SPECIAL TERMS & CONDITIONS FOR THIS **TENDER NO-BKSSAE2502**

Being this tender is for development of items as per BHEL technical requirements, special T&Cs for this tender is as below:

“LD, Risk & Cost, penalty for late delivery, debarment is not applicable for this tender”

Following are points to be noted before submitting your offer.

1) Important Notice: Our Terms and Conditions and Various loading factors are revised and please go through documents available at www.edn.bhel.com. Request you to go through before submitting quote.

a) INSTRUCTIONS TO BIDDERS/SELLERS (Doc No : BHEL: EDN : ITB - SHOP : **Rev 04**) available www.edn.bhel.com (RFQ-PO Terms & Conditions) b) GENERAL CONDITIONS OF CONTRACT FOR PURCHASE (Doc no: BHELEDN: GCC-SHOP : **Rev 02**) available at www.edn.bhel.com (<https://edn.bhel.com/assets/img/rfq/ITBGCC.pdf>) c) Any other specific Terms and Conditions mentioned.

2) Bidders should mention GSTN number of the place of supply and HSN (Harmonized System of Nomenclature)/SAC (Services Accounting Code) number in the offer. In case both supply and service are involved, GSTN no of the place of supply for services shall also be mentioned separately in the offer if different.

3) This is TWO PART BID tender. BIDDERS are requested to send "Techno Commercial Bid" AND "Price BID" separately. For more details, please refer point 2.b in attached RFQ Terms and conditions document

4) Penalty for delayed delivery is applicable for this Enquiry. If it is not mentioned explicitly it will be assumed as acceptance.

5) Offers with ADVANCE PAYMENT are liable for rejection.

6) If only "Sight Draft" is mentioned it will be considered as "Sight Draft with 45 days"

7) In case of not interested in submitting quotation, please send the regret letter which is essential for our records.

8) Please indicate complete part number in your quotation and make, else your quotation might be rejected.

9) Please quote for our RFQ quantity and for MOQ (if any). Offers with high MOQ may not be accepted

10) Material has to be supplied in manufacturer's pack in sealed condition (Refurbished/ pulled-out parts are not accepted)

11) Supplier should quote online. Quotation received in hardcopy will not be considered.

12) In case of breach of contract, wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is at least 10% of the contract value, the same be encashed. In case the value of the security instruments available is less than 10% of the contract value, the balance amount be recovered from other financial remedies

13) PURCHASE PREFERENCE FOR MSE VENDORS:

MSE vendors quoting within a price band of L1 + 15% shall be allowed to supply up to 25% of the requirement against this tender provided

- a. The MSE vendor matches the L1 price.
- b. L1 price is from a non MSE vendor.
- c. L1 price will be offered to the vendor nearest to L1 in terms of price ranking (L2 -nearest to L1). In case of non-acceptance by the MSE vendor (L2), next ranking MSE vendor will be offered who is within the L1 + 15% band (if L3 is also within 15% band).
- d. 3% of the 25% will be earmarked for women owned MSEs.
- e. 25% of the 25% (i.e., 6.25% of the total enquired quantity) will be earmarked for SC/ST owned MSE firms provided conditions as mentioned in (1) & (2) are fulfilled.

- f. In case where no SC/ST category firms are meeting the conditions mentioned in (1) and (2) or have not participated in the tender, the 6.25% of earmarked quantity for SC/ST owned MSE firms will be distributed among the other eligible MSE vendors who have participated in the tender.

In case after the bid opening it is seen that no MSE has become L1, then depending on the nature of the item, if it is not possible to split the tendered items/quantities on account of reasons like customer contract requirements of supplying one make for a given project or technical reasons like the tendered item being a system etc., then BHEL would not counter offer the L1 prices even though there may be MSE bidders within the +15% band of L1. Such information that tendered quantity will not be split shall be indicated in the RFQ

14) PURCHASE PREFERENCE FOR MAKE IN INDIA VENDORS

Purchase preference for MII will be given to class –I Local supplier (Local content 50% and more). Please refer GOI circular No. P-45021/2/2017-PP (BE-II) dtd. 16/09/2020 for detail of purchase preference and eligibility for participating in this RFQ

Preference to Make in India Order 2017 dated 15.06.2017, 28.05.2018 and revision dated 16 September 2020 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 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. <https://dipp.gov.in/public-procurements>

15) FOR THIS PROCUREMENT (GFR), Restrictions under Rule 144(xi) of the General Financial Rules (GFRs), 2017- Dept. of Expenditure OM No.6/18/2019-PPD dated 23rd July, 2020 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 against this NIT.

<https://www.mea.gov.in/>

16) SUVIDHA portal

" For supply orders placed on Indian Suppliers: Irrespective of the value of the invoice amount, the bidder / vendor should necessarily upload the despatch & invoice details on BHEL SUVIDHA portal at <https://suvidha.bhel.in/suvidha/>, prior to despatch. All documents as per PO checklist , along with additional documents (if any), must be uploaded on the portal. It is mandatory that tax invoices with a net amount (including taxes) exceeding Rs five lakhs uploaded on the portal are digitally signed using a Class 3 Digital Signature Certificate (DSC) issued by a licensed Certifying Authority. Submission of invoice document in hard copy is allowed for invoices with a net amount (including taxes) equal to and upto Rs five lakhs , in case they were not digitally signed and uploaded on the portal. The material will not be accepted inside BHEL in absence of the above. "

For all correspondence, contact
BIMAL KANTA SETHI
Sr. Manager/SA-MM-Purchase
Bharat Heavy Electricals Ltd.
Electronics Division, Mysuru Road,
Bengaluru-560026
Ph (O): 080-26998190
Mob. : 8903891908

On Bidder Letter Head

Date:

To,

M/s Bharat Heavy Electricals Ltd.
Electronics Division, Mysore Road,
Bangalore – 560026

Sub: Model Clause / Certificate as per Annex-III (Tenders) of Restrictions Under Rule 144 (xi) of the General Financial Rules (GFRs) 2017, Dated 23.07.2020.

Ref: BHEL Tender / RFQ / NIT Number

I (authorized signatory for M/s) have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India , we certify that this bidder M/s[Vendor Name & address] is not from such a country or , if from such a country , has been registered with the competent authority . We hereby certify that we fulfill all requirements in this regard and is eligible to be considered [attach evidence of valid registration certificate with competent authority].

For M/s

Authorized Signatory
(With company seal & Name)

On Bidder Letter Head

Date:

To,

M/s Bharat Heavy Electricals Ltd.
Electronics Division, Mysore Road,
Bangalore – 560026

Sub: Model Clause / Certificate as per clause 9 (a) of Revised Public Procurement (Preference to Make in India Order, 2017 of DPIIT dated 13.06.2020.

Ref: BHEL Tender / RFQ / NIT Number

I..... (authorized signatory for M/s) a 'Class-I Local Supplier' / 'Class-II Local Supplier' at the time of tender, bidding or solicitation hereby confirm that the item meets the Local Content requirement for 'Class-I Local Supplier' / 'Class-II Local Supplier' (Tick appropriate option & cut the other one) and the Local Content percentage is

The address is as below, where the local content / value addition is made:

[Factory Address]

For M/s

Authorized Signatory
(with company seal & Name)

COMMERCIAL TERMS & CONDITIONS/ CHECK LIST (To be filled and signed by the vendor)

	To be mandatory filled in <i>YES/No</i> or Not applicable (<i>NA</i>)	(YES/No/NA)	Remarks (if, any)
1	Payment terms: (For any deviation Loading factor will be applicable above the quoted rate)		
1.A	For Quote in INR: BHEL standard payment terms is <u>100% within 45 days credit:</u>		
1.B	For Quote in other than INR: BHEL standard payment terms is <u>100% against sight draft with 45 days credit</u>		
2	Delivery Terms:		
2.A	For Quote in INR: Delivery Terms: BHEL Standard delivery is <u>BHEL DDL-EDN BANGALORE:</u>		
2.B	For Quote in other than INR:(Vendor to mention INCO Terms like FCA/EX-Works)		
3	Penalty terms for Delayed Delivery: 10% loading factor for not accepting the penalty.		
3.1	BHEL standard Penalty Terms is accepted for delayed delivery		
4	Offer validity: 90 Days		
5	Delivery lead time (In Weeks)		
6	Foreign suppliers to provide Bank A/c details in the offer.		
7	GFR Certificate attached		
8	MII certificate attached		
9	Mention the Government E-Marketplace (GeM) Seller ID (Mandatory for placing PO worth Rs. 25 Lakhs & above) Applicable for only INDIAN VENDORS		
10	Other terms & Conditions as per NIT		

Special Note: BHEL PO delivery date will be either bidder quoted delivery lead time **or** RFQ delivery date whichever is later.