

Bid Document

Bid Details	
Bid End Date/Time	30-08-2022 14:00:00
Bid Opening Date/Time	30-08-2022 14:30:00
Bid Offer Validity (From End Date)	90 (Days)
Ministry/State Name	Ministry Of Heavy Industries And Public Enterprises
Department Name	Department Of Heavy Industry
Organisation Name	Bharat Heavy Electricals Limited (bhel)
Office Name	10410005-pc Chennai
Total Quantity	91665
Item Category	CLAMP FOR INSUL AND CLAD SUPP FOR DIA114.3-IS2062E250GRA , CLAMP FOR INSUL AND CLAD SUPP FOR DIA168.3-IS2062E250GRA , CLAMP FOR INSUL AND CLAD SUPP FOR DIA219.1-IS2062E250GRA , CLAMP FOR INSUL AND CLAD SUPP FOR DIA 273-IS2062E250GRA , CLAMP FOR INSUL AND CLAD SUPP FOR DIA323.9-IS2062E250GRA , CLAMP FOR INSUL AND CLAD SUPP FOR DIA355.6-IS2062E250GRA , CLAMP FOR INSUL AND CLAD SUPP FOR DIA406.4-IS2062E250GRA , CLAMP FOR INSUL AND CLAD SUPP FOR DIA 610-IS2062E250GRA , CLAMP FOR INSUL AND CLAD SUPP FOR DIA1828-IS2062E250GRA , SUPPORT LUG L - 50-IS1079D , SUPPORT LUG L - 60-IS1079D , SUPPORT LUG L - 70-IS1079D , SUPPORT LUG L - 90-IS1079D , SUPPORT LUG L - 100-IS1079D , SUPPORT LUG L - 115-IS1079D , SUPPORT LUG L - 120-IS1079D , SUPPORT LUG L - 130-IS1079D , SUPPORT LUG L - 140-IS1079D , SUPPORT LUG L - 150-IS1079D , SUPPORT LUG L - 170-IS1079D , SUPPORT LUG L - 185-IS1079D , SUPPORT LUG L - 210-IS1079D , SUPPORT LUG L - 215-IS1079D , LUG 25X33 - VAR02-IS2062E250GRA , LUG LENGTH IN MM -100-IS2062E250GRA , LUG LENGTH IN MM -40-IS2062E250GRA , CLAMP FOR INS AND CLADSUPP OD610-SA387GR22CL2 , SUPPORT LUG FOR INS.L-285MM-SA387GR22CL2
BOQ Title	PROCUREMENT OF LUGS AND CLAMPS FOR INSULATION AND CLADDING SUPPORT CARBON STEEL AND ALLOY STEEL
Minimum Average Annual Turnover of the bidder (For 3 Years)	6 Lakh (s)
Years of Past Experience Required for same/similar service	3 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No

Bid Details	
Document required from seller	Experience Criteria, Bidder Turnover, Certificate (Requested in ATC), Additional Doc 1 (Requested in ATC), Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	Yes
RA Qualification Rule	H1-Highest Priced Bid Elimination
Primary product category	CLAMP FOR INSUL AND CLAD SUPP FOR DIA114.3-IS2062E250GRA
Time allowed for Technical Clarifications during technical evaluation	2 Days
Payment Timelines	Payments shall be made to the Seller within 45 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
Evaluation Method	Group wise evaluation

EMD Detail

Required	No
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ePBG Detail

Required	No
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(a). The EMD % will be applicable for each schedule/group selected during Bid creation.

Splitting

Bid splitting not applied.

MII Purchase Preference

MII Purchase Preference	Yes
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MSE Purchase Preference

MSE Purchase Preference	Yes
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1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant /

Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

3. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

5. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

6. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

Evaluation Method (Group Wise Evaluation Method)

Contract will be awarded schedulewise and the determination of L1 will be done separately for each schedule. The details of item-consignee combination covered under each schedule are as under:

Evaluation Schedules	Item/Category	Consignee/Reporting Officer	Consignee Address	Quantity
	Clamp For Insul And Clad Supp For Dia114.3-is2062e250gra	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	2393

Schedule 1	Clamp For Insul And Clad Supp For Dia168.3-is2062e250gra	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	6359
	Clamp For Insul And Clad Supp For Dia219.1-is2062e250gra	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	5442
	Clamp For Insul And Clad Supp For Dia 273-is2062e250gra	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	6541
	Clamp For Insul And Clad Supp For Dia323.9-is2062e250gra	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	1151
	Clamp For Insul And Clad Supp For Dia355.6-is2062e250gra	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	1971
	Clamp For Insul And Clad Supp For Dia406.4-is2062e250gra	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	119
	Clamp For Insul And Clad Supp For Dia 610-is2062e250gra	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	40
Schedule 2	Clamp For Insul And Clad Supp For Dia1828-is2062e250gra	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	185
Schedule 3	Support Lug L - 50-is1079d	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	902
	Support Lug L - 60-is1079d	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	1368
	Support Lug L - 70-is1079d	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	2182 3
	Support Lug L - 90-is1079d	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	1690
	Support Lug L - 100-is1079d	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	2891
	Support Lug L - 115-is1079d	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	2667
	Support Lug L - 120-is1079d	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	634
	Support Lug L - 130-is1079d	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	6700
	Support Lug L - 140-is1079d	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	1164 2
	Support Lug L - 150-is1079d	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	4615
	Support Lug L - 170-is1079d	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	1498
	Support Lug L - 185-is1079d	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	1030
	Support Lug L - 210-is1079d	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	1267
	Support Lug L - 215-is1079d	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	132
	Lug 25x33 - Var02-is2062e250gra	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	2856

	Lug Length In Mm -100- is2062e250gra	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	1147
	Lug Length In Mm -40- is2062e250gra	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	4108
Schedule 4	Clamp For Ins And Cladupp Od610- sa387gr22cl2	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	22
	Support Lug For Ins.l-285mm- sa387gr22cl2	ERRABOTHU VENU KUMAR	80, G.N. ROAD, T.NAGAR, CHENNAI-17. 600017	472

CLAMP FOR INSUL AND CLAD SUPP FOR DIA114.3-IS2062E250GRA

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	2393	60

CLAMP FOR INSUL AND CLAD SUPP FOR DIA168.3-IS2062E250GRA

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	6359	60

CLAMP FOR INSUL AND CLAD SUPP FOR DIA219.1-IS2062E250GRA

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	5442	60

CLAMP FOR INSUL AND CLAD SUPP FOR DIA 273-IS2062E250GRA

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	6541	60

CLAMP FOR INSUL AND CLAD SUPP FOR DIA323.9-IS2062E250GRA

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	1151	60

CLAMP FOR INSUL AND CLAD SUPP FOR DIA355.6-IS2062E250GRA

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	1971	60

CLAMP FOR INSUL AND CLAD SUPP FOR DIA406.4-IS2062E250GRA

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	119	60

CLAMP FOR INSUL AND CLAD SUPP FOR DIA 610-IS2062E250GRA

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	40	60

CLAMP FOR INSUL AND CLAD SUPP FOR DIA1828-IS2062E250GRA

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	185	60

SUPPORT LUG L - 50-IS1079D

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	902	60

SUPPORT LUG L - 60-IS1079D

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	1368	60

SUPPORT LUG L - 70-IS1079D

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	21823	60

SUPPORT LUG L - 90-IS1079D

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	1690	60

SUPPORT LUG L - 100-IS1079D

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	2891	60

SUPPORT LUG L - 115-IS1079D

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	2667	60

SUPPORT LUG L - 120-IS1079D

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	634	60

SUPPORT LUG L - 130-IS1079D

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	6700	60

SUPPORT LUG L - 140-IS1079D

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	11642	60

SUPPORT LUG L - 150-IS1079D

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	4615	60

SUPPORT LUG L - 170-IS1079D

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	1498	60

SUPPORT LUG L - 185-IS1079D

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	1030	60

SUPPORT LUG L - 210-IS1079D

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	1267	60

SUPPORT LUG L - 215-IS1079D

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	132	60

LUG 25X33 - VAR02-IS2062E250GRA

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	2856	60

LUG LENGTH IN MM -100-IS2062E250GRA

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	1147	60

LUG LENGTH IN MM -40-IS2062E250GRA

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	4108	60

CLAMP FOR INS AND CLADSUPP OD610-SA387GR22CL2

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	22	60

SUPPORT LUG FOR INS.L-285MM-SA387GR22CL2

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	ERRABOTHU VENU KUMAR	600017,80, G.N. ROAD, T.NAGAR, CHENNAI-17.	472	60

Buyer Added Bid Specific Terms and Conditions**1. Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Generic

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any

responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

3. **Generic**

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

4. **Generic**

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- a. Copy of PAN Card.
- b. Copy of GSTIN.
- c. Copy of Cancelled Cheque.
- d. Copy of EFT Mandate duly certified by Bank.

5. **Generic**

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

6. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

7. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Only supply of Goods

8. **Inspection**

Nominated Inspection Agency: On behalf of the Buyer organization, any one of the following Inspection Agency would be conducting inspection of stores before acceptance:
Pre-dispatch Inspection at Seller Premises (applicable only if pre-dispatch inspection clause has been selected in ATC): BUREAU VERITAS INDIA LIMITED
Post Receipt Inspection at consignee site before acceptance of stores: BUREAU VERITAS INDIA LIMITED

9. **Certificates**

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

10. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

11. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity/restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and/or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents/clauses shall also be null and void. If any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations. Also, GeM does not permit collection of Tender fee / Auction fee in case of Bids / Forward Auction as the case may be. Any stipulation by the Buyer seeking payment of Tender Fee / Auction fee through ATC clauses would be treated as null and void.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---

**BID SPECIFIC ADDITIONAL TERMS & CONDITIONS FOR THE
PROCUREMENT OF LUGS AND CLAMPS FOR INSULATION AND CLADDING SUPPORT (CS & AS)**

SI No	BHEL requirement	Agree / Disagree
1	<p><u>SCOPE OF SUPPLY:</u> i) Manufacture & Supply of Lugs and Clamps for Insulation and Cladding Support (CS & AS) as per BHEL drawings and Technical Requirements as mentioned in SI No 3. ii) To be delivered on "FOR" BHEL Trichy SHIPPING iii) List of items shall be as per Unpriced bid enclosed (Annexure-B).</p>	
2	<p><u>PRE-QUALIFICATION CRITERIA:</u> Refer Annexure - A</p>	
3	<p><u>TECHNICAL REQUIREMENT:</u></p> <ol style="list-style-type: none"> 1. Bidders shall comply to BHEL drawings. 2. Material Specification shall be as per Unpriced bid enclosed (Annexure-B). Any deviation shall be with prior approval of BHEL. 3. Material code / Supplier code shall be embossed or hand stamped on each component. 4. Each variant of these items should be neatly packed and put in a separate gunny bag. The following details shall be punched / engraved on Metal Tags and to be attached on each gunny bag. <ol style="list-style-type: none"> a) Vendor Code b) Work order No c) Quantity in No's d) DU No's 5. Surfaces shall be thoroughly cleaned either by emery sheet or wire brushing before the application of primer paint. Surface finish: Power tool cleaning / SSPC: SP3. One coat of 30 microns red oxide zinc phosphate conforming to 12744 and 2 coats (2x20 microns) of smoke grey(CS) / White paint (AS) be applied through spray method. Total DFT: 70 microns minimum. Paint shall be used as supplied by the supplier without any addition of thinner. Paint shall be thoroughly mixed before application. Adequate drying time is to be allowed for each coat. 6. Submit duly filled in Unpriced bid enclosed (Annexure-B), Annexure C and Annexure D. 7. Submit duly signed drawings for Compliance to BOQ Specifications. 8. Quantity mentioned against each item may vary up to +/- 25% of the enquiry quantity. Bidders are bound to accept the orders accordingly. <p>Deviation if any shall be clearly indicated in a separate sheet. UNDISCLOSED DEVIATIONS ARE NOT ACCEPTABLE.</p>	
4	<p><u>VALIDITY OF OFFER:</u> The quotation shall be valid at least for a period of 90 days from the date of techno-commercial bid opening / 60 days from the date of price evaluation whichever is later. Offer with lesser validity may not be considered.</p>	
5	<p><u>DELIVERY PERIOD:</u> 60 days / 120 days from the date of PO (as mentioned in Annexure-B).</p> <p>Delivery is the essence of the contract. Supplies are to be completed as per the delivery date mentioned in BHEL SAP PO. As delivery will affect our project requirements, kindly quote for the above delivery period only. Bidder has to strictly confirm to the delivery terms.</p>	
6	<p><u>LIQUIDATED DAMAGES:</u> If the Seller/Service Provider fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract, the Buyer will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions as specified in GeM General Terms & Conditions, @ 0.5% of the contract value of delayed quantity per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value of delayed quantity without any controversy/dispute of any sort whatsoever.</p> <p>LD will be reckoned from the date of Invoice date / Lorry Way bill date / E-Way Bill date whichever is later. Applicability of LD shall be on undelivered portion of the PO.</p>	
7	<p><u>DELIVERY TERM:</u> "FOR" BHEL Trichy SHIPPING, Tiruchirappalli - 620014</p>	

**BID SPECIFIC ADDITIONAL TERMS & CONDITIONS FOR THE
PROCUREMENT OF LUGS AND CLAMPS FOR INSULATION AND CLADDING SUPPORT (CS & AS)**

8	<p><u>EVALUATION & ORDERING:</u></p> <ol style="list-style-type: none"> 1. Only PQR qualified bidders shall be considered for techno-commercial evaluation. 2. Techno-commercially qualified bidders shall be considered for price evaluation. Price evaluation shall be through Reverse auction in GeM portal with H1-Highest Priced Bid Elimination. 3. Evaluation of bids and ranking of bidders shall be done on package basis. Bidder shall quote for all items of a package mandatorily. 4. Quoted rates shall be inclusive of GST. 5. Minimum Order Quantity (MOQ) / Minimum Order Value (MOV) condition will not be accepted. Bids of such suppliers (if any) insisting for MOQ / MOV will be rejected. <p>THIS IS A FIXED PRICE CONTRACT AND PRICES ARE FIRM THROUGHOUT THE EXECUTION OF THE CONTRACT.</p>	
9	<p><u>PURCHASE PREFERENCE FOR MAKE IN INDIA:</u></p> <p>Margin of Purchase Preference is L-1+ 20%.</p> <p>"For this procurement, the local content to categorize a supplier as a Class I local supplier/ Class II local Supplier/ Nonlocal Supplier and purchase preference to Class I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 04.06.2020 issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before finalization of contract / PO / WO 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.</p> <p>'Local content' means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the Item procured (excluding net domestic indirect taxes) minus the value of imported. Content in the item (including all customs duties) as a proportion of the total value, in percent.</p> <p>'Class-I local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%, as defined under this Order.</p> <p>'Class-II local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this Order.</p> <p>'Non-Local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than or equal to 20%, as defined under this Order.</p> <p>In case item is divisible, following procedure will be followed-</p> <ul style="list-style-type: none"> • Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract for full quantity will be awarded to L 1. • If L1 bid is not a 'Class-I local supplier', 50% of the order quantity' shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to local supplier's quoted price falling within the margin purchase preference, and contract for that quantity shall be awarded to 'Class-I local supplier' subject to matching the L 1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some Quantity is still left uncovered on Class-I local suppliers, then such balance quantity may also be ordered on the L 1 bidder. <p>In case item is not divisible, following procedure will be followed-</p> <ul style="list-style-type: none"> • Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a 'Class-I local supplier', the contract will be awarded to L1. • If L1 is not from a local supplier, the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to 'Class-I local supplier's' quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. 	

**BID SPECIFIC ADDITIONAL TERMS & CONDITIONS FOR THE
PROCUREMENT OF LUGS AND CLAMPS FOR INSULATION AND CLADDING SUPPORT (CS & AS)**

- In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.
- Any item wherein the net quantity is less than 2 (i.e. if qty is 1 No.) will be considered as not divisible for the purpose of operating purchase preference.

"Class-II local supplier" will not get purchase Preference in any procurement.

Document certifying local content and penal action in case of wrong declaration by suppliers.

- The 'Class-I local supplier' / 'Class-II local supplier' at the time of tender, bidding or solicitation shall be required to provide self-certification on their letter head certified by the authorized signatory of the bidder that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made as per **Annexure-D**.
- In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
- 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.
- A supplier who has been debarred by any procuring entity for violation of this order shall not be eligible for preference for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, the debarment takes effect prospectively from the date of uploading on the website(s) of The Department of Expenditure, GOI in such a manner that ongoing procurements are not disrupted.
- The onus of submission of appropriately certified documents lies with the bidder and BHEL shall not have any liability to verify the contents and will not be responsible for the same. However, in case BHEL has any reason to doubt the authenticity of the Local Content, BHEL reserves the right to obtain the complete back up calculations before award of contract failing which the bid shall be rejected.

Only **Class-I and Class-II Local suppliers** as per MII order dated 4.6.2020 will be eligible to bid. **Non - Local suppliers** as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

10 MICRO SMALL ENTERPRISE PURCHASE PREFERENCE:

Margin of Purchase Preference is L-1+ 15%.

- Purchase preference for local MSE's quoting in the tender will be 25%.
- Within the 25% reservation for local MSE's, 3% reservation will be applicable for women owned MSE's and 6.25% reservation will be applicable for MSE's owned by SC / ST.
- Payment for MSE Indigenous vendors will be as per MSMED Act, 2006

Document to be submitted as proof of MSE.

MSE suppliers can avail the intended benefits only if they submit **UDYAM CERTIFICATE** along with the offer.

Non submission of documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for the Enquiry if any deficiency in the above required documents are not submitted before price bid opening. However, credentials of all MSE suppliers will be verified before considering the intended benefits for MSE suppliers at the time of tender evaluation.

In case item is divisible, following procedure will be followed-

**BID SPECIFIC ADDITIONAL TERMS & CONDITIONS FOR THE
PROCUREMENT OF LUGS AND CLAMPS FOR INSULATION AND CLADDING SUPPORT (CS & AS)**

	<ul style="list-style-type: none"> • Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a MSE supplier, the contract for full quantity will be awarded to L1. • If L1 is not from a MSE supplier, the lowest bidder among the MSE suppliers, will be invited to match the L1 price subject to MSE supplier's quoted price falling within the margin of purchase preference, and 25% of the order quantity' shall be awarded to such MSE supplier subject to matching the L1 price. • In case such lowest eligible MSE supplier fails to match the L1 price, the MSE supplier with the next higher bid within the margin of MSE preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the MSE suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder. <p>In case item is not divisible, following procedure will be followed-</p> <ul style="list-style-type: none"> • Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a MSE supplier, the contract will be awarded to L1. • If L1 is not from a MSE supplier, the lowest bidder among the MSE suppliers, will be invited to match the L1 price subject to MSE supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such MSE supplier subject to matching the L1 price. • In case such lowest eligible MSE supplier fails to match the L1 price, the MSE supplier with the next higher bid within the margin of MSE preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the MSE suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder. <p>Any item wherein the net quantity is less than 2 (i.e. if qty is 1 No.) will be considered as not divisible for the purpose of operating purchase preference.</p> <p>Note: - In case of L1 vendor is having any one of MSE OR Make in India preference, but the vendor who is falling in MSE/MII price range with both MSE and Make in India preference then quantity will be counteroffered to the vendor who is giving both the preferences.</p>	
11	<p><u>GUARANTEE:</u> The materials are to be guaranteed for satisfactory performance for a period of 24 months from the date of dispatch or 18 months from the date of commissioning / putting into use whichever is earlier.</p> <p>Any defect noticed during the above period, the same shall be rectified / replaced free of cost on FOR destination basis within a reasonable time, maximum limited to the agreed delivery period, to the satisfaction of BHEL and the End User.</p> <p>To this effect a guarantee certificate should be sent along with the dispatch documents in the event of an order. No deviation in this regard shall be accepted.</p>	
12	<p><u>INSPECTION:</u> Inspection call shall be raised through BHEL Trichy Vendor information system https://trichy.bhel.com/vis/index.jsp. The L1 bidder shall obtain the user ID and password to access the system after placement of PO.</p> <p>PO shall be released at Project DU level (Total DU's are 86No's). Inspection call shall be at Project DU level. Inspection shall be as per BHEL drawings and Technical Requirements as mentioned in SI No. 1 & 3. Inspection will be done by BHEL / BHEL Authorized agency. Inspection charges of BHEL / Their representative are to BHEL A/c. Any other testing charges should be included in the quoted prices.</p> <ul style="list-style-type: none"> ➤ All facilities, equipment and instruments required for inspection shall be provided by the contractor free of cost. BHEL's Representatives will have free access to contractor's works during the currency of the contract. ➤ BHEL shall have general supervision and direction over the work. BHEL has the authority to stop the work, whenever such stoppage may be necessary to ensure the proper execution of the contract. BHEL shall also have the authority to reject all the work which does not conform to the specification. ➤ BHEL if required may test the finished sample per lot/size at NABL approved Lab at the bidder's cost. 	

**BID SPECIFIC ADDITIONAL TERMS & CONDITIONS FOR THE
PROCUREMENT OF LUGS AND CLAMPS FOR INSULATION AND CLADDING SUPPORT (CS & AS)**

	<p>After completion of inspection, Delivery Challan shall be generated inspection call wise in the BHEL Trichy Vendor information system https://trichy.bhel.com/vis/index.jsp before despatching the goods to BHEL Trichy <u>SHIPPING.</u></p> <p>MDCC from Customer shall be obtained upon completion of final inspection and this process shall be completed within 7 (SEVEN) days from the date of submission of MDCC request from the vendor along with supporting documents.</p>	
13	<p><u>QUALITY DOCUMENTS</u> One original + two copies of Inspection report and the technical data sheet (if applicable) shall be sent to Purchase Department, Piping centre, BHEL Chennai immediately after the shipment / despatch of Items.</p>	
14	<p><u>TERMS OF PAYMENT:</u> Payment terms shall be as per Clause “Payment Timelines” of the GeM bid, i.e., 100% payment within 90 days of issue of CRAC. However, preference in payment shall be given as following:</p> <ol style="list-style-type: none"> a. 100% payment within 60 days of issue of CRAC for Medium category bidders subject to submission of relevant documents. b. 100% payment within 45 days of issue of CRAC for MSE (Micro and small) bidders subject to submission of relevant documents. <p><u>No other payment terms will be accepted. If bidders propose for any other payment term other than indicated above, such bids will be rejected.</u></p> <p><u>PAYMENT DOCUMENTS -</u> Payment shall be made against presentation of following documents to Finance Department by Purchase department:</p> <ol style="list-style-type: none"> a) Tax Invoice in triplicate b) Delivery Challan in triplicate whichever is applicable c) Guarantee certificate d) Lorry Way Bill & E-way bill (Original + Two copies) e) CRAC (Consignee Receipt & Acceptance Certificate) in GeM f) Quality documents (as per approved QP/PO) <p>Hence,</p> <ol style="list-style-type: none"> 1. Soft copy of Invoice and LR should be sent immediately after dispatch by e-mail to Purchase. 2. Hard copy should be sent subsequently within 1 week. <p>Payment shall be processed only after receipt of CRAC in GeM. GeM invoice shall be raised as per the quantity mentioned against each Package based on the delivery period (as mentioned in Annexure-B).</p>	
15	<p><u>CANCELLATION / TERMINATION OF CONTRACT, DEFAULT / BREACH OF CONTRACT AND RISK PURCHASE:</u></p> <p>In case of abnormal delays (beyond the maximum late delivery period as per Penalty clause) in supplies / defective supplies or non-fulfilment of any other terms and conditions given in Purchase Order as enumerated subsequently in this clause, Purchaser shall be entitled to cancel the Order / Contract either in whole or portion thereof without compensation to Seller / Contractor and if the Purchaser so desires, may procure upon such terms and in such manner as deemed appropriate, stores not so delivered or others of similar description where stores exactly complying with particulars are not, in the opinion of the Purchaser, which shall be final, readily procurable, at the risk and cost of the Seller / Contractor and the Seller / Contractor shall be liable to the Purchaser for any excess costs provided that the Seller / Contractor shall continue the performance of the Order / Contract to the extent not cancelled under the provisions of this clause. The Seller / Contractor shall on no account be entitled to any gain on such repurchases. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer.</p> <p>Risk & Cost Clause, in line with Conditions of Contract may be invoked in any of the following cases:</p> <ol style="list-style-type: none"> i. Contractor / supplier’s poor progress of the work vis-à-vis execution timeline as stipulated in the Contract, backlog attributable to contractor/ supplier including unexecuted portion of work / supply does not appear to be executable within balance available period (#) considering its performance of execution. 	

**BID SPECIFIC ADDITIONAL TERMS & CONDITIONS FOR THE
PROCUREMENT OF LUGS AND CLAMPS FOR INSULATION AND CLADDING SUPPORT (CS & AS)**

- ii. Withdrawal from or abandonment of the work by contractor before completion of the work as per contract.
- iii. Non completion of work / Non-supply by the Contractor / supplier within scheduled completion / delivery period as per Contract or as extended from time to time, for the reasons attributable to the contractor / supplier.
- iv. Termination of Contract on account of any other reason (s) attributable to Contractor / Supplier.
- v. Assignment, transfer, subletting of Contract without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.
- vi. Non-compliance to any contractual condition or any other default attributable to Contractor / Supplier.

Risk and Cost amount against Balance Work:

Risk & Cost Amount= [(A-B) + (A x H/100)]

Where,

A= Value of Balance scope of Work / Supply (*) as per rates of new contract

B= Value of Balance scope of Work / Supply (*) as per rates of old contract being paid to the contractor / supplier at the time of termination of contract i.e. inclusive of PVC & ORC, if any.

H= Overhead Factor to be taken as 5

In case (A-B) is less than 0 (zero), value of (A-B) shall be taken as 0 (zero).

*(Balance scope of work / supply)

Difference of Contract Quantities and Executed Quantities as on the date of issue of Letter for 'Termination of Contract', shall be taken as balance scope of Work / Supply for calculating risk & cost amount.

Contract quantities are the quantities as per original contract. If, Contract has been amended, quantities as per amended Contract shall be considered as Contract Quantities.

Items for which total quantities to be executed have exceeded the Contract Quantities based on drawings issued to contractor from time to time till issue of Termination letter, then for these items total Quantities as per issued drawings would be deemed to be contract quantities.

Substitute / extra items whose rates have already been approved would form part of contract quantities for this purpose. Substitute / extra items which have been executed but rates have not been approved, would also form part of contract quantities for this purpose and rates of such items shall be determined in line with contractual provisions.

However, increase in quantities on account of additional scope in new tender shall not be considered for this purpose.

Note: In case portion of work is being withdrawn, contract quantities pertaining to portion of work withdrawn shall be considered as 'Balance scope of work / supply' for calculating Risk & Cost amount.

LD against delay in executed work / supply in case of Termination of Contract in case of Risk and Cost Option.

LD against delay in executed work / supply shall be calculated in line with LD clause of the contract for the delay attributable to contractor / supplier. For limiting maximum LD value, contract value shall be taken as Executed Value of work / supply.

Method for calculation of "LD against delay in executed work / supply" is given below.

i. Let the time period from scheduled date of start of work till termination of contract excluding the period of Hold (if any) not attributable to contractor / supplier= T1

ii. Let the value of executed work / supply till the time of termination of contract= X

iii. Let the Total Executable Value of work / supply for which inputs / fronts were made available to contractor / supplier and were planned for execution till termination of contract= Y

iv. Delay in executed work / supply attributable to contractor/supplier i.e. T2= (1- X/Y) * T1

v. LD shall be calculated in line with LD clause of the Contract for the delay attributable to contractor / supplier taking "X" as Contract Value and "T2" as delay attributable to contractor / supplier.

Note: In case portion of work / supply is withdrawn, no LD shall be applicable for portion of work / supply withdrawn.

Recovery from Supplier

**BID SPECIFIC ADDITIONAL TERMS & CONDITIONS FOR THE
PROCUREMENT OF LUGS AND CLAMPS FOR INSULATION AND CLADDING SUPPORT (CS & AS)**

	<p>Recoveries from contractor / supplier on whom risk & cost has been invoked shall be made from the following:</p> <p>i. Dues available in the form of Bills payable to contractor / supplier, SD, BG's against the same contract.</p> <p>ii. Dues payable to contractor / supplier against other contracts in the same Region / Unit / Division of BHEL.</p> <p>iii. Dues payable to contractor / supplier against other contracts in the different Region / Unit / division of BHEL.</p> <p>Legal Options for recovery of dues payable by the supplier / contractor.</p> <p>Bids deviating from the above standard condition will be rejected.</p>	
16	<p><u>NON-DISCLOSURE AGREEMENT (NDA):</u> The bidders shall enter into the Non-disclosure agreement totally voluntarily, with full knowledge of its meaning and without duress. (Format attached – as per Annexure-C).</p>	
17	<p><u>FRAUD PREVENTION POLICY:</u> The Bidder along with its associate/ collaborators/ sub-contractors/ sub-Bidders/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website http://www.bhel.com and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.</p>	
18	<p><u>SUSPENSION OF BUSINESS DEALINGS WITH SUPPLIERS / CONTRACTORS:</u> The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the banned firms /principal/agents, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com.</p> <p>Integrity commitment, performance of the contract and punitive action thereof:</p> <p>Commitment by BHEL BHEL commits to take all measures necessary to prevent corruption in connection with the tender process and execution of the contract. BHEL will during the tender process treat all Bidder(s) in a transparent and fair manner, and with equity.</p> <p>Commitment by Bidder/ Supplier/ Contractor</p> <ul style="list-style-type: none"> • The bidder/ supplier/ contractor commit to take all measures to prevent corruption and will not directly or indirectly influence any decision or benefit which he is not legally entitled to nor will act or omit in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India. • The bidder/ supplier/ contractor will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract and shall adhere to relevant guidelines issued from time to time by Govt. of India/ BHEL. • The bidder/ supplier/ contractor will perform/ execute the contract as per the contract terms & conditions and will not default without any reasonable cause, which causes loss of business/ money/ reputation, to BHEL. <p>If any bidder/ supplier/ contractor during pre-tendering/ tendering/ post tendering/ award/ execution/ post execution stage indulges in any act, including but not limited to, mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or tampers the tendering process or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India or does anything which is actionable under the Guidelines for Suspension of Business dealings, action may be taken against such bidder/ supplier/ contractor as per extant guidelines of the company available on www. bhel.com and/or under applicable legal provisions. Guidelines for suspension of business dealings is available in the webpage: https://bhel.com/supplier-registration.</p>	
19	<p><u>PROHIBITED ACTS UNDER COMPETITION ACT, 2002:</u> All the bidders should desist from doing any acts prohibited under Chapter-II of the Competition Act, 2002. If any such instance is observed during this tender will attract disciplinary action as per BHEL policies.</p>	
20	<p><u>IN THE EVENT OF FORCE MAJEURE:</u></p> <p>a. Notwithstanding the provisions contained in other clauses, the supplier shall not be liable for imposition of any such sanction so long the delay and/or failure of the supplier in fulfilling its obligations under the contract is the result of an event of Force Majeure. For purposes of this clause, Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable and not brought about at the instance of the party claiming to be affected by such event and which has</p>	

**BID SPECIFIC ADDITIONAL TERMS & CONDITIONS FOR THE
PROCUREMENT OF LUGS AND CLAMPS FOR INSULATION AND CLADDING SUPPORT (CS & AS)**

	<p>caused the non – performance or delay in performance. Such events may include, but are not restricted to, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes excluding by its employees, lockouts excluding by its management, freight embargoes and Acts of GOD.</p> <p>b. If a Force Majeure situation arises, the supplier shall promptly notify the Purchaser/Consignee in writing of such conditions and the cause thereof within twenty-one days of occurrence of such event. Unless otherwise directed by the Purchaser/Consignee in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.</p> <p>c. If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.</p> <p>d. In case due to a Force Majeure event the Purchaser/Consignee is unable to fulfil its contractual commitment and responsibility, the Purchaser/Consignee will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub-paragraphs.</p>	
21	<p><u>LAWS GOVERNING THE CONTRACT:</u> The contract shall be governed by the Laws of the Government of India in force.</p>	
22	<p><u>JURISDICTION OF THE COURT</u> The Courts of the place from where the acceptance of the tender has been issued shall alone have jurisdiction to decide any dispute arising out of or in respect of the contract.</p>	
23	<p><u>RESOLUTION OF DISPUTES:</u> The Parties agree that if at any time (whether before, during or after the arbitral or judicial proceedings), any Disputes (which term shall mean and include any dispute, difference, question or disagreement arising in connection with construction, meaning, operation, effect, interpretation or breach of the contract/tender which the Parties are unable to settle mutually), arise inter-se the Parties, the same may, be referred by either party to Conciliation to be conducted through Independent Experts Committee to be appointed by competent authority of BHEL from the BHEL Panel of Conciliators.</p> <p>The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof.</p> <p>Notes: 1. No serving or a retired employee of BHEL/Administrative Ministry of BHEL shall be included in the BHEL Panel of Conciliators. 2. Any other person(s) can be appointed as Conciliator(s) who is/are mutually agreeable to both the parties from outside the BHEL Panel of Conciliators.</p> <p>The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof.</p> <p>Except as provided elsewhere in this Contract, in case amicable settlement is not reached between the parties, in respect of any dispute or difference; arising out of the formation, breach, termination, validity or execution of the Contract; or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract ; or , in any manner touching upon the Contract, then, either Party may , by a notice in writing to other Party refer such dispute or difference to sole arbitration of an arbitrator appointed as per the Arbitration and Conciliation Act, 1996 (India) or statutory modification or re-enactment thereof and the rules made thereunder and for the time being in force.</p> <p>The contract shall be governed, construed and interpreted in accordance with the laws of India.</p> <p>The Arbitrator shall pass a reasoned award and the award of the Arbitrator shall be final and binding upon the parties. Subject as aforesaid, the provision of Arbitration & Conciliation Act 1996 (India) or statutory modification or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceeding under this clause.</p>	

**BID SPECIFIC ADDITIONAL TERMS & CONDITIONS FOR THE
PROCUREMENT OF LUGS AND CLAMPS FOR INSULATION AND CLADDING SUPPORT (CS & AS)**

	<p>The seat of arbitration shall be Chennai, Tamil Nadu, India. The cost of arbitration shall be borne as per the award of the Arbitrator. Subject to arbitration in terms of clause above, the Courts at Chennai, Tamil Nadu, India shall have exclusive jurisdiction over any matter arising out of or in connection with this Contract.</p> <p>Notwithstanding the existence or any dispute or difference and/or reference for the arbitration, the vendor shall proceed with and continue without hindrance the performance of its obligation under this Contract with due diligence and expedition in a professional manner except where the Contract has been terminated by either Party in terms of this Contract.</p> <p><u>In Case of Contract with Public Sector Enterprise (PSE) or a Government Department, the following shall be applicable:</u></p> <p>In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs)/Port Trusts inter se and also between CPSEs and Government Departments/Organizations (Excluding disputes concerning Railways, Income Tax, Customs & Excise Departments, such dispute or difference shall be taken up by either party for resolution through AMRCD as mentioned in DPE OM No. 4(1)/2013 –DPE (GM)/FTS-1835 dated 22-05-2018.</p>	
24	<p><u>SET-OFF CLAUSE:</u></p> <p>BHEL, Piping Centre, Chennai shall have the right to recover any money which in the sole opinion of BHEL is due from the Contractor from any money due to the Contractor like Payment of bills, payment of any amounts due, release of Security Deposit or return of Bank Guarantees furnished</p> <ol style="list-style-type: none"> a. Under this tender/contract (OR) b. Any other contract placed on the contractor by BHEL, Piping centre, Chennai (OR) c. Any other contract placed on the contractor by any Unit/s of BHEL <p>BHEL, Piping Centre, Chennai also reserves the right to set off the amount of the contractor available in any form, against any claims of any other contract with BHEL.</p>	
25	<p><u>CAUTION:</u></p> <p>a) Once the price bid is opened no option is available for the supplier to retract the offer under any grounds. If a supplier, for any reason whatsoever approaches BHEL with a request for change in the price, it would be treated as going back on the offer submitted. In such cases, action would be initiated by BHEL for suspending further business dealings with such suppliers as per policy of BHEL which prevails at that point of time.</p> <p>b) The language in the tender documents downloaded by the Bidders shall at no point of time be changed, altered or modified in any manner by the Tenderer. If such changes are made by any tenderer, it shall be considered as tampering with BHEL’s terms and the offer shall be summarily rejected, whenever it is noticed by BHEL. Such Bidders would be disqualified from the Bidding Process and their offers would be forfeited / Bank Guarantees invoked. They would also not be allowed to participate in future tenders of BHEL.</p>	
26	<p><u>CARTEL FORMATION:</u></p> <p>The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.</p>	
27	<p><u>GST COMPLIANCE</u></p> <p>GOODS & SERVICE TAX (GST) REGISTRATION & COMPLIANCE</p> <ol style="list-style-type: none"> a) Response to Tenders for Indigenous supplier will be entertained only if the vendor has a valid GST registration number (GSTIN) which should be clearly mentioned in the offer. If the dealer is exempted from GST registration, a declaration with due supporting documents need to be furnished for considering the offer. Dealers under composition scheme should declare that he is a composition dealer supported by the screen shot taken from GSTN portal. The unregistered dealer as well as the composition dealer has to submit an undertaking stating that they will not claim GST during the execution of the contract even if their status under GST changes to regular tax payer. The dealer has to submit necessary documents if there is any change in status under GST. b) Supplier shall mention their GSTIN in all their invoices (incl. credit Notes, Debit Notes) and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case 	

**BID SPECIFIC ADDITIONAL TERMS & CONDITIONS FOR THE
PROCUREMENT OF LUGS AND CLAMPS FOR INSULATION AND CLADDING SUPPORT (CS & AS)**

of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No. which is linked/uploaded in GSTN network shall be clearly indicated), Billed to party (with GSTIN) & Shipped to party details, item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, Place of Supply etc. Wherever E-Invoice is applicable, the tax invoice/ CN / DN submitted by the vendor must contain the QR code generated in E-Invoice Portal & IRN.

c) All invoices shall bear the HSN Code for each item separately (Harmonized System of Nomenclature)/ SAC code (Services Accounting Code)

d) Invoices will be processed only upon completion of statutory requirement and further subject to following:

- i. Vendor declaring such invoice in their GSTR-1 Return/ IFF
- ii. Receipt of Goods or Services and Tax invoice by BHEL

e) As the continuous uploading of tax invoices in GSTN portal (in GSTR-1/ IFF) is available for all (i.e. both Small & Large) tax payers, all invoices raised on BHEL may be uploaded immediately in GST portal on dispatch of material /rendering of services. The supplier shall ensure availability of Invoice in GSTN portal before submission of invoice to BHEL. Invoices will be admitted by BHEL only if the invoices are available in GSTN portal (in BHEL's GSTR-2A/ GSTR-2B).

f) In case of discrepancy in the data uploaded by the supplier in the GSTN portal or in case of any shortages or rejection in the supply, then BHEL will not be able to avail the tax credit and will notify the supplier of the same. Supplier has to rectify the data discrepancy in the GSTN portal or issue credit note or debit note (details also to be uploaded in GSTN portal) for the shortages or rejections in the supplies or additional claims, within the calendar month informed by BHEL.

g) In cases where invoice details have been uploaded by the vendor but failed to remit the GST amount to GST Department (Form PMT-08 or Form GST RET-01 to be submitted) within stipulated time, then GST paid on the invoices pertaining to the month for which GST return not filed by the vendor will be recovered from the vendor along with the applicable interest (currently 24% p.a) and all subsequent bills of the vendor will not be processed till filing of the GST return by the vendor


h) In case GST credit is denied to BHEL due to non-receipt or delayed receipt of goods and/ or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount claimed in the invoice shall be disallowed to the vendor.

i) Where any GST liability arising on BHEL under Reverse Charge (RCM), the vendor has to submit the invoices to BHEL well within the timeline prescribed in GST Law, to enable BHEL to discharge the GST liability. If there is a delay in submission of invoice by the vendor resulting in delayed payment of GST by BHEL along with Interest, then such Interest payable or paid shall be recovered from the vendor.

j) Under GST regime, BHEL has to discharge GST liability on LD recovered from suppliers/contracts. Hence applicable GST shall also be recoverable from suppliers/contractors on LD amount. For this Tax Invoice will be issued by BHEL indicating the respective supply invoice number.

k) GST TDS will be deducted as per Section 51 of CGST Act 2017 and in line with Notification 50/2018 – Central Tax dated 13.09.2018. GST TDS certificate will be generated in GSTN portal subsequent to vendor accepting the TDS deduction in the GSTN portal & the vendor can directly download the Certificate from the GSTN Portal.

**BID SPECIFIC ADDITIONAL TERMS & CONDITIONS FOR THE
PROCUREMENT OF LUGS AND CLAMPS FOR INSULATION AND CLADDING SUPPORT (CS & AS)**

28	<p><u>GENERAL:</u></p> <p>i. The PO copy with all details will be given to successful bidders in soft mode only.</p> <p>ii. Acknowledgement for receipt of PO shall be sent within one week from the date of receipt.</p> <p>iii. BHEL reserves the right to cancel this tender without assigning any reasons what so ever.</p> <p>iv. Deviation taken after placement of order will not be accepted (Both technical as well as on delivery).</p> <p>v. Suppliers to analyze in detail, at the time of submission of offer with reference to our “delivery” requirement of item and confirm compliance.</p> <p>vi. BHEL reserves the right to negotiate or re-float the tender opened, if L1 price / other details are not acceptable to them.</p> <p>vii. Any other terms or conditions mentioned in your offer other than the above mentioned formats will not be evaluated and will be considered null & void. Hence your offer shall contain ONLY the above mentioned formats.</p> <p>viii. Bids not accepting to any of tender terms and conditions will be liable for rejection.</p> <p>ix. For verification of data submitted towards evaluation of bidder's capability, BHEL may decide to visit the bidder(s) works. Any fact found deviating from submitted data shall make the bidder liable to be disqualified.</p>	
29	<p><u>ENCLOSURES:</u></p> <p>a) Annexure A – Pre Qualification Requirements</p> <p>b) Annexure B – Un Priced Bid</p> <p>c) Annexure C – NDA Format</p> <p>d) Annexure D – MII Format</p> <p align="center">  cuml.pdf </p>	
<p>E Venu Kumar Sr.Engineer, Purchase BHEL/Piping Centre, Chennai 044-28161298 Mob:8122696531. (On behalf of BHEL)</p>		<p>SIGNED BY BIDDER</p> <p>Name of Bidder: Designation / Department:</p> <p>Seal & Signature</p>

**Annexure A / Pre-Qualification Requirement
Manufacture & Supply of Lugs and Clamps for Insulation and Cladding Support (CS & AS)**

Sl.No	Criteria	Documents to be submitted	*Bidder Compliance with supporting documents (YES / NO)
1	Bidder shall be manufacturer. Bids from Traders / distributors/ dealers are not acceptable.	Any one of the following documents may be considered as valid proof as Manufacturer: a. Valid ISO 9001:2015 certificate b. Udyam Registration c. Factory License	
2	Experience in supplying the product/s: Bidder shall have prior experience in manufacture and supply of products which involves Shearing (or) Cutting, Bending, Punching (or) Drilling of the Sheets (or) Plates of Specification IS2062E250GRA (or) IS1079D (or) SA387GR22 (or) similar material specifications. The experience shall be counted 4 years prior to the date of Enquiry.	For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria: a. One or more purchase order/s of Specification IS2062E250GRA (or) IS1079D (or) SA387GR22 (or) similar material specifications along with relevant drawings from any customer. PO date should be 19-08-2018 or afterwards. The invoice copy w.r.t to the submitted PO are also required as proof of order completion. b. Execution certificate by client with order value. c. Any other document in support of order execution like Third Party Inspection release note etc.	
3	Financial Soundness: Bidder should have made a turnover of at least Rs. 6 Lakhs for anyone of last 4 audited Financial Years (i.e FY 2022-21, 2021-20, 2020-19 & 2019-18) Start-up which has commenced operations only in the current Financial year (i.e FY 2023-22) but meeting financial turnover criteria shall submit certificate from CA certifying the turnover made up to the current month of FY 2023-22.	Audited Balance Sheet and Audited Profit & Loss Account for the past four financial years. In case bidders have commenced operations within the past 4 years from the date of enquiry, audited Balance Sheet and P&L statement for the available years shall be submitted.	

*** Supporting documents to be enclosed without fail.**

Note –

- Bids fulfilling the above criteria will be considered for further techno-commercial evaluation.
- For Startups and MSE bidders, Annual Financial Turnover criteria (Sl. No: 3 above) is relaxed by 50%, during anyone of the Financial years in the past 4 years and prior experience criteria (Sl. No: 2 above) is relaxed to last 5 years from the date of Enquiry. Relaxation is subject to bidder meeting technical and quality criteria of the PQR.
- Bidder proposing to avail relaxation as above need to submit necessary document proof along with Pre-Qualification bid.
 - Startups - Certificate of Recognition by Department of Industrial Policy & Promotion
 - MSE – Udyam Registration certificate
- Bidder to submit all supporting documents in English language. If documents submitted by bidder are in a language other than English, a self-attested English translated document shall also be submitted.
- Bidders referred to NCLT, NCLAT or firms having strictures / hold by any other Government agency will not be considered.

Annexure B - UnPriced Bid										Quoted (Yes / No)
Schedule	Item Number	Product Description	Material Specification	Drawing No / Revision No / Variant No	Weight (Kg's)	Quantity (No's)	Delivery Period (Days)			
							60	120		
Schedule 1	1	CLAMP FOR INSUL & CLAD SUPP FOR DIA114.3	IS2062E250GRA	3-80-999-99431 / 07 / 03	1052.92	2393	1755	638		
	2	CLAMP FOR INSUL & CLAD SUPP FOR DIA168.3	IS2062E250GRA	3-80-999-99431 / 07 / 04	3853.55	6359	5647	712		
	3	CLAMP FOR INSUL & CLAD SUPP FOR DIA219.1	IS2062E250GRA	3-80-999-99431 / 07 / 05	4163.13	5442	4492	950		
	4	CLAMP FOR INSUL & CLAD SUPP FOR DIA 273	IS2062E250GRA	3-80-999-99431 / 07 / 06	6096.21	6541	5643	898		
	5	CLAMP FOR INSUL & CLAD SUPP FOR DIA323.9	IS2062E250GRA	3-80-999-99431 / 07 / 07	1258.04	1151	1045	106		
	6	CLAMP FOR INSUL & CLAD SUPP FOR DIA355.6	IS2062E250GRA	3-80-999-99431 / 07 / 08	2347.46	1971	1047	924		
	7	CLAMP FOR INSUL & CLAD SUPP FOR DIA406.4	IS2062E250GRA	3-80-999-99431 / 07 / 09	160.41	119	119	-		
	8	CLAMP FOR INSUL & CLAD SUPP FOR DIA 610	IS2062E250GRA	3-80-999-99431 / 07 / 14	78.96	40	40	-		
Schedule 1 Total					19010.69	24016	19788	4228		
Schedule 2	9	CLAMP FOR INSUL & CLAD SUPP FOR DIA1828	IS2062E250GRA	3-81-318-02698 / 00 / 01	1068.56	185	185	-		
Schedule 2 Total					1068.56	185	185	-		
Schedule 3	10	SUPPORT LUG L = 50	IS1079D	3-80-999-97647 / 01 / 03	169.58	902	902	-		
	11	SUPPORT LUG L = 60	IS1079D	3-80-999-97647 / 01 / 04	273.60	1368	1368	-		
	12	SUPPORT LUG L = 70	IS1079D	3-80-999-97647 / 01 / 05	4648.23	21823	21823	-		
	13	SUPPORT LUG L = 90	IS1079D	3-80-999-97647 / 01 / 06	400.53	1690	1690	-		
	14	SUPPORT LUG L = 100	IS1079D	3-80-999-97647 / 01 / 07	722.75	2891	981	1910		
	15	SUPPORT LUG L = 115	IS1079D	3-80-999-97647 / 01 / 09	714.76	2667	1241	1426		
	16	SUPPORT LUG L = 120	IS1079D	3-80-999-97647 / 01 / 10	173.72	634	634	-		
	17	SUPPORT LUG L = 130	IS1079D	3-80-999-97647 / 01 / 11	1922.90	6700	4800	1900		
	18	SUPPORT LUG L = 140	IS1079D	3-80-999-97647 / 01 / 12	3480.96	11642	9266	2376		
	19	SUPPORT LUG L = 150	IS1079D	3-80-999-97647 / 01 / 13	924.29	4615	1843	2772		
	20	SUPPORT LUG L = 170	IS1079D	3-80-999-97647 / 01 / 15	548.27	1498	1498	-		
	21	SUPPORT LUG L = 185	IS1079D	3-80-999-97647 / 01 / 17	365.65	1030	1030	-		
	22	SUPPORT LUG L = 210	IS1079D	3-80-999-97647 / 01 / 21	489.06	1267	1267	-		
	23	SUPPORT LUG L = 215	IS1079D	3-80-999-97647 / 01 / 22	51.74	132	132	-		
24	LUG 25X33 - VAR02	IS2062E250GRA	3-80-999-99429 / 00 / 02	91.39	2856	2856	-			
25	LUG LENGTH IN MM =100	IS2062E250GRA	3-80-999-99429 / 00 / 17	121.58	1147	1147	-			
26	LUG LENGTH IN MM =40	IS2062E250GRA	3-80-999-99429 / 00 / 05	193.08	4108	1508	2600			
Schedule 3 Total					15292.08	66970.00	53986	12984		
Schedule 4	27	CLAMP FOR INS & CLADSUPP OD610	SA387GR22CL2	3-81-318-02391 / 02 / 05	43.19	22	22	-		
	28	SUPPORT LUG FOR INS.L=285MM	SA387GR22CL2	3-80-999-97856 / 03 / 32	287.92	472	472	-		
Schedule 4 Total					331.11	494	494	-		
Grand Total					35,702.44	91,665.00	74453	17212		

ANNEXURE-C

BHARAT HEAVY ELECTRICALS LIMITED
PIPING CENTRE, PURCHASE
BHEL / CHENNAI – 600 017

THIRD PARTY NON-DISCLOSURE AGREEMENT

I, _____, on behalf of the _____ (Name of Company), acknowledge that the information received or generated, directly or indirectly, while working with BHEL, Piping Centre, Chennai on contract is confidential and that the nature of the business of the BHEL, Piping Centre, Chennai is such that the following conditions are reasonable, and therefore:

I warrant and agree as follows:

I, or any other personnel employed or engaged by our company, agree not to disclose, directly or indirectly, any information related to the BHEL, Piping Centre, Chennai Without restricting the generality of the foregoing, it is agreed that we will not disclose such information consisting but not necessarily limited to:

- Technical information: Methods, drawings, processes, formulae, compositions, systems, techniques, inventions, computer programs/data/configuration and research projects.
- Business information: Customer lists, project schedules, pricing data, estimates, financial or marketing data.

On conclusion of contract, I, or any other personnel employed or engaged by our company shall return to BHEL, Piping Centre, Chennai all documents and property of BHEL, Piping Centre, Chennai, including: drawings, blueprints, reports, manuals, computer programs/data/configuration, and all other materials and all copies thereof relating in any way to BHEL, Piping Centre, Chennai's business, or in any way obtained by me during the course of contract. I further agree that I, or any others employed or engaged by our company shall not retain copies, notes or abstracts of the foregoing.

This obligation of confidence shall continue after the conclusion of the contract also.

I acknowledge that the aforesaid restrictions are necessary and fundamental to the business of the BHEL, Piping Centre, Chennai and are reasonable given the nature of the business carried on by the BHEL, Piping Centre, Chennai I agree that this agreement shall be governed by and construed in accordance with the laws of country.

I enter into this agreement totally voluntarily, with full knowledge of its meaning, and without duress.

Dated at _____, this ____ day of _____, 20__.

Name

Company

Signature

ANNEXURE-D

Declaration format for Make in India to be issued on Bidder's Company letter head

Self-Declaration

Enquiry No.	
Enquiry Date	

In line with Government public procurement order Number P45021/2/2017-B.E-II dated 15.06.2017, and further modified order dt. 28.05.2018 & order 04.06.2020 issued by DPIIT

I / We hereby declare that I / We are a "Local Supplier" meeting the requirement of minimum local content (.....%) defined in the above government notification for the goods against above mentioned enquiry Number.

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

Door No.	
Street / Address 1	
Street / Address 2	
District	
State	
Country	
PIN Code	

By issuing this declaration, we understand and are in acceptance to the following-

- 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.
- In case of debarment by any procuring entity for violation of the provisions of the Public Procurement (Preference to Make in India), Order 2017 we shall not be eligible for preference for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, the debarment takes effect prospectively from the date of uploading on the website(s) of The Department of Expenditure, GOI in such a manner that ongoing procurements are not disrupted.
- We undertake the onus of responsibility of submission of appropriately certified documents. We understand that BHEL is not at liability to verify the contents and will not be responsible for the declaration made by us. However, in case BHEL has any reason to doubt the authenticity of the local content, BHEL reserves the right to obtain the complete back up calculations before award of contract and we are liable to submit the same if

ANNEXURE-D

Declaration format for Make in India to be issued on Bidder's Company letter head

requested by BHEL. We also understand that our bid is liable for rejection in case we fail to submit the details as requested by BHEL.

Special Note-

In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

For Company Name:

Seal:

Signature:

Date:

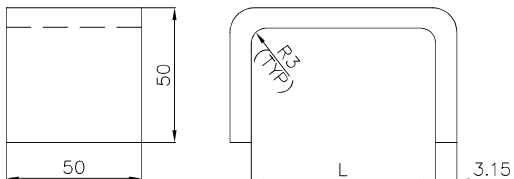
Place:

(Please fill all the yellow colour fields)

FIRST ANGLE PROJECTION(ALL DIMENSIONS IN MILLIMETRES)

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DRAWING No 3-80-999-97647



STYLE NO	DESCRIPTION	L	MATL.CODE MATL.SPECN.	WEIGHT IN Kg.
45	SHEET t=3.15 50 x 567	460	15 011 182 0000 IS 1079 Fe 330	0.700
44	SHEET t=3.15 50 x 547	440	15 011 182 0000 IS 1079 Fe 330	0.680
43	SHEET t=3.15 50 x 497	390	15 011 182 0000 IS 1079 Fe 330	0.610
42	SHEET t=3.15 50 x 477	370	15 011 182 0000 IS 1079 Fe 330	0.590
41	SHEET t=3.15 50 x 467	360	15 011 182 0000 IS 1079 Fe 330	0.577

STYLE NO	DESCRIPTION	L	MATL.CODE MATL.SPECN.	WEIGHT IN Kg.
40	SHEET t=3.15 50 x 457	350	15 011 182 0000 IS 1079 Fe 330	0.565
39	SHEET t=3.15 50 x 447	340	15 011 182 0000 IS 1079 Fe 330	0.550
38	SHEET t=3.15 50 x 432	330	15 011 182 0000 IS 1079 Fe 330	0.534
37	SHEET t=3.15 50 x 422	320	15 011 182 0000 IS 1079 Fe 330	0.522
36	SHEET t=3.15 50 x 412	310	15 011 182 0000 IS 1079 Fe 330	0.509
35	SHEET t=3.15 50 x 402	300	15 011 182 0000 IS 1079 Fe 330	0.497
34	SHEET t=3.15 50 x 397	295	15 011 182 0000 IS 1079 Fe 330	0.491
33	SHEET t=3.15 50 x 392	290	15 011 182 0000 IS 1079 Fe 330	0.485
32	SHEET t=3.15 50 x 387	285	15 011 182 0000 IS 1079 Fe 330	0.478
31	SHEET t=3.15 50 x 382	280	15 011 182 0000 IS 1079 Fe 330	0.472
30	SHEET t=3.15 50 x 377	275	15 011 182 0000 IS 1079 Fe 330	0.466
29	SHEET t=3.15 50 x 372	270	15 011 182 0000 IS 1079 Fe 330	0.460
28	SHEET t=3.15 50 x 367	265	15 011 182 0000 IS 1079 Fe 330	0.454
27	SHEET t=3.15 50 x 362	260	15 011 182 0000 IS 1079 Fe 330	0.448
26	SHEET t=3.15 50 x 352	250	15 011 182 0000 IS 1079 Fe 330	0.435
25	SHEET t=3.15 50 x 342	240	15 011 182 0000 IS 1079 Fe 330	0.423
24	SHEET t=3.15 50 x 332	230	15 011 182 0000 IS 1079 Fe 330	0.410
23	SHEET t=3.15 50 x 322	220	15 011 182 0000 IS 1079 Fe 330	0.398
22	SHEET t=3.15 50 x 317	215	15 011 182 0000 IS 1079 Fe 330	0.392
21	SHEET t=3.15 50 x 312	210	15 011 182 0000 IS 1079 Fe 330	0.386

STYLE NO	DESCRIPTION	L	MATL.CODE MATL.SPECN.	WEIGHT IN Kg.
20	SHEET t=3.15 50 x 302	200	15 011 182 0000 IS 1079 Fe 330	0.373
19	SHEET t=3.15 50 x 297	195	15 011 182 0000 IS 1079 Fe 330	0.367
18	SHEET t=3.15 50 x 292	190	15 011 182 0000 IS 1079 Fe 330	0.361
17	SHEET t=3.15 50 x 287	185	15 011 182 0000 IS 1079 Fe 330	0.355
16	SHEET t=3.15 50 x 282	180	15 011 182 0000 IS 1079 Fe 330	0.349
15	SHEET t=3.15 50 x 272	170	15 011 182 0000 IS 1079 Fe 330	0.336
14	SHEET t=3.15 50 x 262	160	15 011 182 0000 IS 1079 Fe 330	0.324
13	SHEET t=3.15 50 x 252	150	15 011 182 0000 IS 1079 Fe 330	0.312
12	SHEET t=3.15 50 x 242	140	15 011 182 0000 IS 1079 Fe 330	0.299
11	SHEET t=3.15 50 x 232	130	15 011 182 0000 IS 1079 Fe 330	0.287
10	SHEET t=3.15 50 x 222	120	15 011 182 0000 IS 1079 Fe 330	0.274
09	SHEET t=3.15 50 x 217	115	15 011 182 0000 IS 1079 Fe 330	0.268
08	SHEET t=3.15 50 x 212	110	15 011 182 0000 IS 1079 Fe 330	0.262
07	SHEET t=3.15 50 x 202	100	15 011 182 0000 IS 1079 Fe 330	0.250
06	SHEET t=3.15 50 x 192	90	15 011 182 0000 IS 1079 Fe 330	0.237
05	SHEET t=3.15 50 x 172	70	15 011 182 0000 IS 1079 Fe 330	0.213
04	SHEET t=3.15 50 x 162	60	15 011 182 0000 IS 1079 Fe 330	0.200
03	SHEET t=3.15 50 x 152	50	15 011 182 0000 IS 1079 Fe 330	0.188
02	SHEET t=3.15 50 x 142	40	15 011 182 0000 IS 1079 Fe 330	0.176
01	SHEET t=3.15 50 x 132	30	15 011 182 0000 IS 1079 Fe 330	0.163

TYPE OF PRODUCT
OR NAME OF
CUSTOMER/PROJECT



BHARAT HEAVY ELECTRICALS LTD.,
PIPING CENTRE,
CHENNAI 600 017

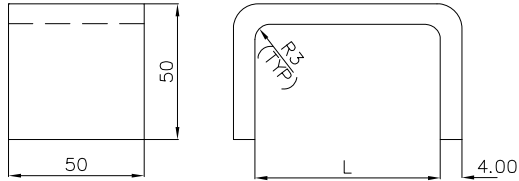
	NAME	SIGN	DATE	NO OF ITEMS
DRN	N.D.V.KUMAR	-sd-	15.06.2000	
CHD	T.N.ELANGOVAN	-sd-	15.06.2000	
APPD	R.CHANDRASEKHAR	-sd-	15.06.2000	

REV	DATE	ALTERED	S.KARTHIK	DEPT.	GRADE OF UN TOL DIM	SCALE	WEIGHT (Kg)	REF TO ASSY / OLD DRG	ITEM No.
01	16.05.09	APPROVED	M.MANO		C/M/F				
ZONE	VARIANCE NO 39-45 ADDED								
TITLE	SUPPORT LUG FOR INSULATION			CARD CODE	DRAWING No.		REV		
				U 01	3-80-999-97647		01		

RETRACTED SIZE A3

99876-666-08-3

DRAWING No



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51	SHEET t=4 50 x 570	470	15 942 264 0000 SA387GR22CL2	0.895
50	SHEET t=4 50 x 520	420	15 942 264 0000 SA387GR22CL2	0.816
49	SHEET t=4 50 x 495	395	15 942 264 0000 SA387GR22CL2	0.777
48	SHEET t=4 50 x 275	175	15 942 264 0000 SA387GR22CL2	0.431
47	SHEET t=4 50 x 613	505	15 942 264 0000 SA387GR22CL2	0.962
46	SHEET t=4 50 x 593	485	15 942 264 0000 SA387GR22CL2	0.931
45	SHEET t=4 50 x 569	460	15 942 264 0000 SA387GR22CL2	0.893
44	SHEET t=4 50 x 549	440	15 942 264 0000 SA387GR22CL2	0.861
43	SHEET t=4 50 x 499	390	15 942 264 0000 SA387GR22CL2	0.783
42	SHEET t=4 50 x 479	370	15 942 264 0000 SA387GR22CL2	0.752
41	SHEET t=4 50 x 469	360	15 942 264 0000 SA387GR22CL2	0.736
STYLE NO	DESCRIPTION	L	MATL.CODE MATL.SPECN.	WEIGHT IN Kg.

40	SHEET t=4 50 x 459	350	15 942 264 0000 SA387GR22CL2	0.720
39	SHEET t=4 50 x 449	340	15 942 264 0000 SA387GR22CL2	0.704
38	SHEET t=4 50 x 434	330	15 942 264 0000 SA387GR22CL2	0.681
37	SHEET t=4 50 x 424	320	15 942 264 0000 SA387GR22CL2	0.665
36	SHEET t=4 50 x 414	310	15 942 264 0000 SA387GR22CL2	0.649
35	SHEET t=4 50 x 404	300	15 942 264 0000 SA387GR22CL2	0.634
34	SHEET t=4 50 x 399	295	15 942 264 0000 SA387GR22CL2	0.626
33	SHEET t=4 50 x 394	290	15 942 264 0000 SA387GR22CL2	0.618
32	SHEET t=4 50 x 389	285	15 942 264 0000 SA387GR22CL2	0.610
31	SHEET t=4 50 x 384	280	15 942 264 0000 SA387GR22CL2	0.602
30	SHEET t=4 50 x 374	275	15 942 264 0000 SA387GR22CL2	0.587
29	SHEET t=4 50 x 374	270	15 942 264 0000 SA387GR22CL2	0.587
28	SHEET t=4 50 x 369	265	15 942 264 0000 SA387GR22CL2	0.579
27	SHEET t=4 50 x 364	260	15 942 264 0000 SA387GR22CL2	0.571
26	SHEET t=4 50 x 354	250	15 942 264 0000 SA387GR22CL2	0.555
25	SHEET t=4 50 x 344	240	15 942 264 0000 SA387GR22CL2	0.540
24	SHEET t=4 50 x 334	230	15 942 264 0000 SA387GR22CL2	0.524
23	SHEET t=4 50 x 324	220	15 942 264 0000 SA387GR22CL2	0.508
22	SHEET t=4 50 x 319	215	15 942 264 0000 SA387GR22CL2	0.500
21	SHEET t=4 50 x 314	210	15 942 264 0000 SA387GR22CL2	0.492
STYLE NO	DESCRIPTION	L	MATL.CODE MATL.SPECN.	WEIGHT IN Kg.

20	SHEET t=4 50 x 302	200	15 942 264 0000 SA387GR22CL2	0.474
19	SHEET t=4 50 x 299	195	15 942 264 0000 SA387GR22CL2	0.469
18	SHEET t=4 50 x 292	190	15 942 264 0000 SA387GR22CL2	0.458
17	SHEET t=4 50 x 289	185	15 942 264 0000 SA387GR22CL2	0.453
16	SHEET t=4 50 x 284	180	15 942 264 0000 SA387GR22CL2	0.445
15	SHEET t=4 50 x 274	170	15 942 264 0000 SA387GR22CL2	0.430
14	SHEET t=4 50 x 264	160	15 942 264 0000 SA387GR22CL2	0.414
13	SHEET t=4 50 x 254	150	15 942 264 0000 SA387GR22CL2	0.398
12	SHEET t=4 50 x 244	140	15 942 264 0000 SA387GR22CL2	0.383
11	SHEET t=4 50 x 234	130	15 942 264 0000 SA387GR22CL2	0.367
10	SHEET t=4 50 x 224	120	15 942 264 0000 SA387GR22CL2	0.351
09	SHEET t=4 50 x 219	115	15 942 264 0000 SA387GR22CL2	0.343
08	SHEET t=4 50 x 214	110	15 942 264 0000 SA387GR22CL2	0.335
07	SHEET t=4 50 x 204	100	15 942 264 0000 SA387GR22CL2	0.320
06	SHEET t=4 50 x 194	90	15 942 264 0000 SA387GR22CL2	0.304
05	SHEET t=4 50 x 174	70	15 942 264 0000 SA387GR22CL2	0.273
04	SHEET t=4 50 x 164	60	15 942 264 0000 SA387GR22CL2	0.257
03	SHEET t=4 50 x 154	50	15 942 264 0000 SA387GR22CL2	0.241
02	SHEET t=4 50 x 144	40	15 942 264 0000 SA387GR22CL2	0.226
01	SHEET t=4 50 x 134	30	15 942 264 0000 SA387GR22CL2	0.210
STYLE NO	DESCRIPTION	L	MATL.CODE MATL.SPECN.	WEIGHT IN Kg.

NOTES: -

03 01. EN-19 IS ALSO ACCEPTABLE IN PLACE OF SA387GR22CL2

TYPE OF PRODUCT
OR NAME OF
CUSTOMER/PROJECT



BHARAT HEAVY ELECTRICALS LTD.,
PIPING CENTRE,
CHENNAI 600 017

	NAME	SIGN	DATE	NO OF ITEMS
DRN	LALIT	-Sd-	15.07.2011	
CHD	C.SARAVANAN	-Sd-	15.07.2011	
APPD	A.P.MADHAVANKUTTY	-Sd-	15.07.2011	

DEPT.	GRADE OF UN TOL. DIM	SCALE	WEIGHT (Kg).	REF TO ASSY / OLD DRG	ITEM No.
CODE	C/M/F				

REV 03	DATE 03.09.2014	ALTERED SONALI APPD: SARAVANAN C	REV 02	DATE 28.01.2014	ALTERED :R.P.SINGH APPROVED:M.MANO	REV 01	DATE	ALTERED : VINODH APPROVED:LALIT
ZONE	NOTE NO. 01 ADDED		ZONE	VARIANTS 48 THROUGH 51 ADDED		ZONE	WEIGHTS ARE REVISED	

TITLE	CARD CODE	DRAWING No.	REV
SUPPORT LUG FOR INSULATION AS	U 01	3-80-999-97856	03

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DRAWING NO. **3-80-999-99429**

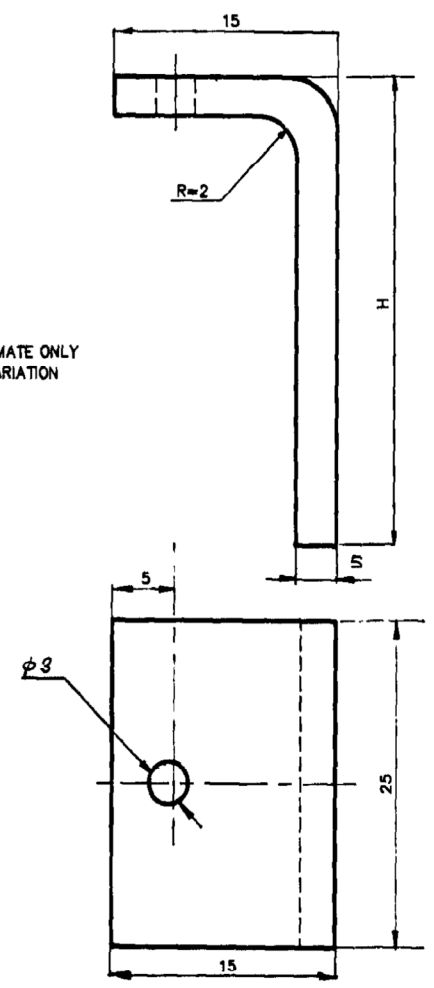
31	170	PL 5x25x178	0	175	
30	165	PL 5x25x173	0	170	
29	160	PL 5x25x168	0	165	
28	155	PL 5x25x163	0	160	
27	150	PL 5x25x158	0	155	
26	145	PL 5x25x153	0	150	
25	140	PL 5x25x148	0	145	
24	135	PL 5x25x143	0	140	
23	130	PL 5x25x138	0	135	
22	125	PL 5x25x133	0	131	
21	120	PL 5x25x128	0	126	
20	115	PL 5x25x123	0	121	
19	110	PL 5x25x118	0	116	
18	105	PL 5x25x113	0	111	
17	100	PL 5x25x108	0	106	
16	95	PL 5x25x103	0	101	
15	90	PL 5x25x98	0	99.6	
14	85	PL 5x25x93	0	99.1	
13	80	PL 5x25x88	0	88.6	
12	75	PL 5x25x83	0	88.1	
11	70	PL 5x25x78	0	77	
10	65	PL 5x25x73	0	72	
09	60	PL 5x25x68	0	67	
08	55	PL 5x25x63	0	62	
07	50	PL 5x25x58	0	57	
06	45	PL 5x25x53	0	52	
05	40	PL 5x25x48	0	47	
04	35	PL 5x25x43	0	42	
03	30	PL 5x25x38	0	37	
02	25	PL 5x25x33	0	32	
01	20	PL 5x25x28	0	27	

VAR.NO	H	DESCRIPTION	UNIT WT.	REMARK
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57	300	PL 5x25x308	0	302	
56	295	PL 5x25x303	0	297	
55	290	PL 5x25x298	0	292	
54	285	PL 5x25x293	0	288	
53	280	PL 5x25x288	0	283	
52	275	PL 5x25x283	0	278	
51	270	PL 5x25x278	0	273	
50	265	PL 5x25x273	0	268	
49	260	PL 5x25x268	0	263	
48	255	PL 5x25x263	0	258	
47	250	PL 5x25x258	0	253	
46	245	PL 5x25x253	0	248	
45	240	PL 5x25x248	0	243	
44	235	PL 5x25x243	0	238	
43	230	PL 5x25x238	0	234	
42	225	PL 5x25x233	0	229	
41	220	PL 5x25x228	0	224	
40	215	PL 5x25x223	0	219	
39	210	PL 5x25x218	0	214	
38	205	PL 5x25x213	0	209	
37	200	PL 5x25x208	0	204	
36	195	PL 5x25x203	0	199	
35	190	PL 5x25x198	0	194	
34	185	PL 5x25x193	0	189	
33	180	PL 5x25x188	0	185	
32	175	PL 5x25x183	0	180	

VAR.NO	H	DESCRIPTION	UNIT WT.	REMARK
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ALL DIMENSIONS ARE IN MILLIMETRES



NOTE:
 RAW MATERIAL LENGTH GIVEN IN DRAWING IS APPROXIMATE ONLY
 SUITABLE ALLOWANCE MAY BE GIVEN FOR PROCESS VARIATION
 MATERIAL CODE: 15011029
 MATERIAL SPECIFICATION: BMC20
 MATERIAL IS CERTIFIED

STANDARD

REV	DATE	ALTERED
		CHECKED

 BHARAT HEAVY ELECTRICALS LIMITED PIPING CENTRE MADRAS 600 017		NAME	SIGN	DATE	NO. OF VAR.
		DRN	G.MATHI	<i>G. Mathi</i>	
DEPT CODE		CHD	R.C.SEKHAR	<i>R. Chandan Sekhar</i>	21.12.92
		APPD	S.MADHAVAN	<i>S. Madhavan</i>	21.12.92
GRADE OF UNTO. DIM C/M/F		SCALE	WEIGHT (KG)		REF. TO ASSY./OLD DRG.
			N.T.S.		ITEM NO.
TITLE LUGS FOR PIPE INSULATION (CS)		CARD CODE	DRAWING NO.		NO. OF ITEMS
		U 01	3-80-999-99429		REV

3-80-999-99431

DRAWING NO.

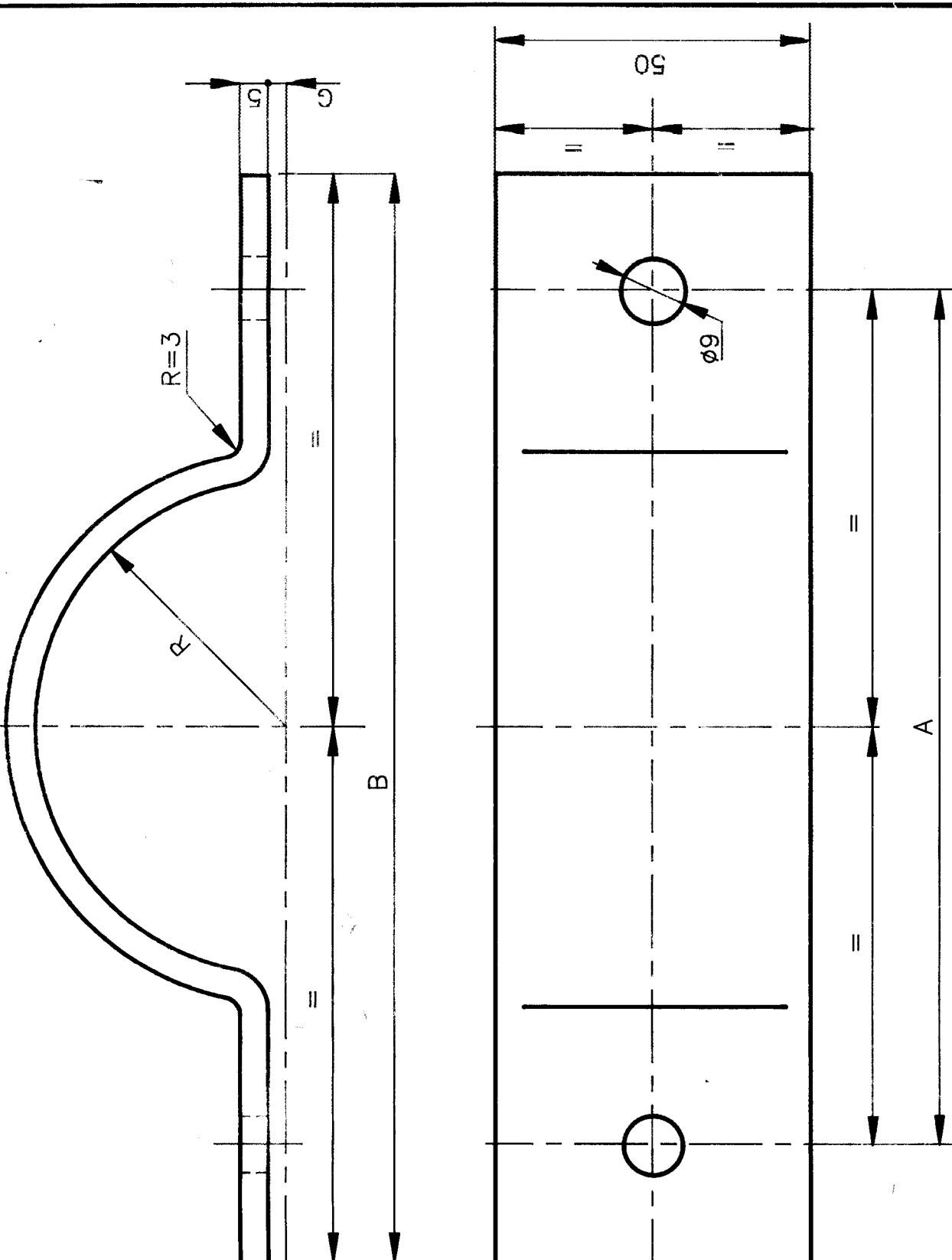
ALL DIMENSIONS ARE IN MILLIMETRES

VAR NO	PIPE SIZE	R	G	A	B	DESCRIPTION	WT
1	73	37	4	107	127	PL 5x50x 158	0.310
2	88.9	45	4	124	144	PL 5x50x 183	0.359
3	114.3	58	4	150	170	PL 5x50x 224	0.440
4	168.3	85	4	205	225	PL 5x50x 309	0.606
5	219.1	111	4	257	277	PL 5x50x 390	0.765
6	273	138	4	312	332	PL 5x50x 475	0.932
7	323.9	164	4	364	384	PL 5x50x 557	1.093
8	355.6	180	4	396	416	PL 5x50x 607	1.191
9	406.4	206	5	448	468	PL 5x50x 687	1.348
10	457	231	5	498	518	PL 5x50x 765	1.501
11	427.7x30	248	5	532	552	PL 5x50x 819	1.607
12	508	257	6	550	570	PL 5x50x 845	1.658
13	559	283	6	602	622	PL 5x50x 927	1.819
14	610	309	7	654	674	PL 5x50x 1006	1.974
15	762	385	8	806	826	PL 5x50x 1243	2.439
16	660	334	7	704	724	PL 5x50x 1086	2.132
17	10275x49.5	191	6	418	438	PL 5x50x 640	1.256
18	10342x60.5	235	5	506	526	PL 5x50x 778	1.527
19	10390x68.5	267	5	570	590	PL 5x50x 878	1.723
20	864	437	9	910	930	PL 5x50x 1405	2.757
21	711.2	360	8	756	776	PL 5x50x 1165	2.286
22	139.7	71	5	176	196	PL 5x50x 263	0.516
23	914	462	9	960	980	PL 5x50x 1483	2.910
24	813	411	9	858	878	PL 5x50x 1323	2.596
25	244.5	124	4	283	303	PL 5x50x 431	0.846
26	368	186	5	410	430	PL 5x50x 647	1.270
27	720	364	8	764	784	PL 5x50x 1176	2.308
28	965	487	9	1010	1030	PL 5x50x 1560	3.062
29	564	285	6	605	625	PL 5x50x 938	1.840
30	194	98	4	231	251	PL 5x50x 349	0.685
31	159	80.5	4	205	225	PL 5x50x 302	0.593
32	108	55	4	150	170	PL 5x50x 220	0.492

01
04
05
06
07

NOTES:
 1. HOLES TO BE DRILLED AFTER FORMING
 2. RAW MATERIAL LENGTH GIVEN IN THE DRAWING IS APPROXIMATE ONLY.
 SUITABLE ALLOWANCE MAY BE GIVEN FOR MANUFACTURING VARIATION
 3. MATERIAL SPECIFICATION IS ~~IS 2062~~ IS 2062 FE 410A
 4. MATERIAL CODE IS 15011029
 5. MATERIAL IS CERTIFIED

STANDARD



REV	DATE	ALTERED	APPROVED	REV	DATE	ALTERED	APPROVED	REV	DATE	ALTERED	APPROVED	REV	DATE	ALTERED	APPROVED
09	01-11-02	ALTERED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>	04	27/02/01	ALTERED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>	01	6/5/96	ALTERED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>	09		ALTERED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>
03	29.01.98	ALTERED: P. Balaji	APPROVED: R. Chandra Sekhar	02	15/03/97	ALTERED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>	02	15/03/97	ALTERED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>	07		ALTERED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>
01		ALTERED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>	05	24-07-01	ALTERED: K. B. Raghavath	APPROVED: <i>[Signature]</i>	05	24-07-01	ALTERED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>	01		ALTERED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>

REV	DATE	ALTERED	APPROVED	REV	DATE	ALTERED	APPROVED
04	27/02/01	ALTERED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>	01	6/5/96	ALTERED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>
09		ALTERED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>	02	15/03/97	ALTERED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>

BHARAT HEAVY ELECTRICALS LIMITED PIPING CENTRE MADRAS 600 017	DEPT CODE	GRADE OF UNTOL DIM C/M/F	SCALE N.T.S	WEIGHT (KG) N.T.S
DRN G.MATHI	CHD R.C.SEKHAR	APPD S.MADHAVAN	SIGN G.MATHI R.C.SEKHAR S.MADHAVAN	DATE 19.12.92 21.12.92 21.12.92
NO. OF VAR.	NO. OF ITEM NO.	NO. OF ITEMS	REF. TO ASSY./OLD DRG.	

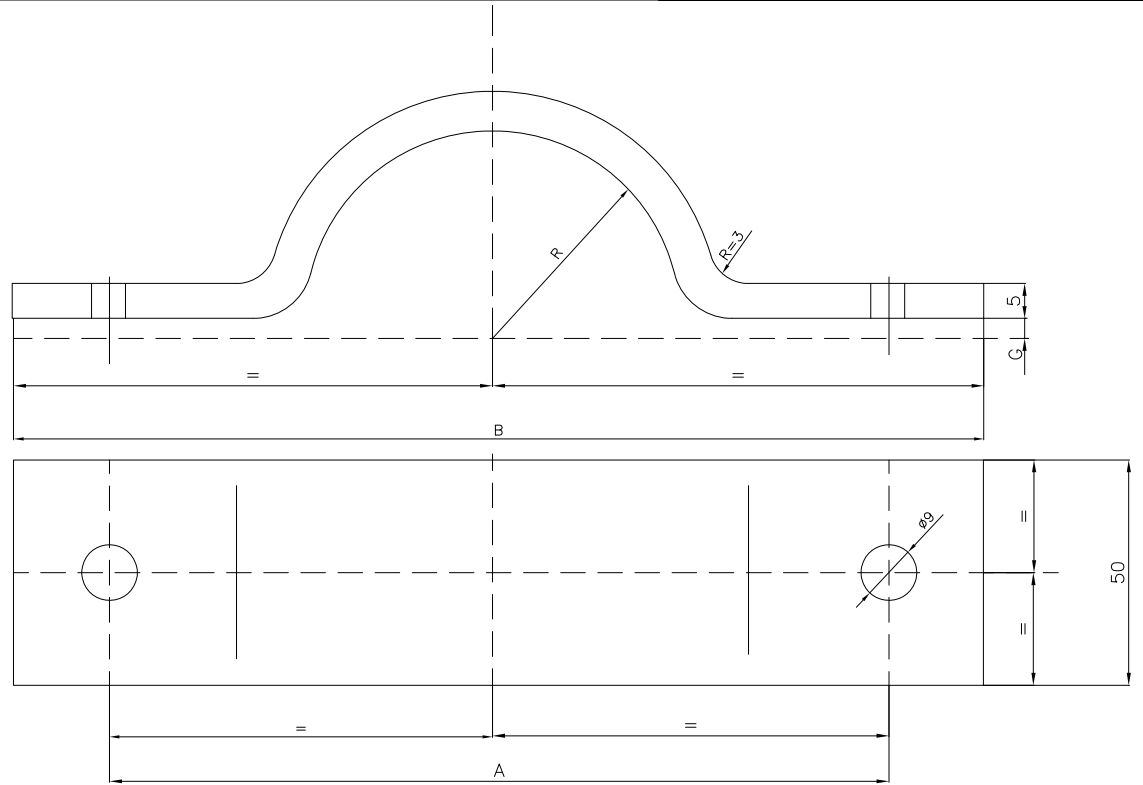
TITLE PIPE CLAMP FOR INSULATION (CS)	CARD CODE U 01	DRAWING NO. 3-80-999-99431	REV 07
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3-81-318-02698

DRAWING No

VAR NO	PIPE SIZE	R	G	A	B	DESCRIPTION	WT
01	1829	916	9	1875	1895	PL 5X50X2946	5.776



- NOTES:
1. HOLES TO BE DRILLED AFTER FORMING
 2. RAW MATERIAL LENGTH GIVEN IN THE DRAWING IS APPROXIMATE ONLY. SUABLE ALLOWANCE MAY BE GIVEN FOR MANUFACTURING VARIATION.
 3. MATERIAL SPECIFICATION IS IS2062
 4. MATERIAL CODE IS 150110290000
 5. MATERIAL IS CERTIFIED.

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT				
	BHARAT HEAVY ELECTRICALS LTD., PIPING CENTRE, CHENNAI 600 017			NO OF ITEMS
	DRN	A.SURESH	-Sd-	28.01.2014
	CHD	C.SARAVANAN	-Sd-	28.01.2014
APPD	K.V.RAMANI	-Sd-	28.01.2014	
DEPT.	GRADE OF UN TOL. DIM	SCALE	WEIGHT (Kg)	REF TO ASSY / OLD DRG
CODE	C/M/F	N.T.S		
REV 01	DATE	ALTERED APPROVED		ITEM No.
ZONE				
TITLE PIPE CLAMP FOR INSULATION (CS)			CARD CODE U 01	REV
			DRAWING No. 3-81-318-02698	00