



An ISO 9001  
Company

## Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

MATERIALS MANAGEMENT

<b>TITLE</b> <b>BOILER (PPGI) ROOF SHEETS AS PER</b> <b>ATTACHED DRAWING</b>	Phone: +91 <b>431 257 7897</b> Fax : <b>+91 431 252 0719</b> Email : <b>sachinsaini@bheltry.co.in</b>
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	<b>Reference Number:</b> <b>Enquiry 1801401103</b>	<b>Enquiry Date:</b> <b>16.08.2014</b>	<b>Due date for submission of</b> <b>quotation: 17.09.2014</b>
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You are requested to quote the Enquiry number date and due date in all your correspondences. This is only a request for quotation and not an order

**BHEL/Trichy is looking for empanelment of new vendors for supply of “Boiler (PPGI Corrugated ) Roof Sheets as per our attached drawing & specifications”**

BHEL commercial terms & conditions with Price Bid formats and all annexure can be downloaded from BHEL web site <a href="http://www.bhel.com">http://www.bhel.com</a> or from the Government tender website <a href="http://tenders.gov.in">http://tenders.gov.in</a> (public sector units) Bharath Heavy Electricals Limited) under enquiry reference “XXXXXXXXXX ”	
Tenders should reach us before 14:00 hours on the due date Technical bid will be opened at 14:30 hours on the due date Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present.	Yours faithfully, For <b>Bharath Heavy Electricals Limited</b>  <b>DGM / MM</b>

**Terms & Conditions of Reverse Auction**

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

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit ‘online sealed bid’ in the Reverse Auction. Non-submission of ‘online sealed bid’ by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. Bidders have to fax the Compliance form (annexure IV) before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.
7. In line with the NIT terms, BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at “Total Cost to BHEL” like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
8. Reverse auction will be conducted on scheduled date & time.
9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.

10. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, (Annexure VII) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.
12. Bidders shall be required to read the "Terms and Conditions" section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the 'Business Rules of Reverse Auction', which will be communicated before the Reverse Auction.
13. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action *as per extant BHEL guidelines*, shall be initiated by BHEL and the results of the RA scrapped/ aborted.
14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
15. In case BHEL decides to go for reverse auction, the H1 bidder (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.

## Annexure II - Loading for deviation in Commercial terms

<b>Payment Term (Indigenous)</b>	
<b>If materials are receivable at Project Sites without PBG</b>	<p><b><u>Option-1:</u></b> Payment term is 100% direct payment after 45 days from the date of dispatch against site acknowledgement</p> <p><b><u>Option-2: (REVISED)</u></b></p> <p>a) Payment term is 100% direct payment after 45 days from the date of dispatch against site acknowledgement.</p> <p style="text-align: center;"><b>(or)</b></p> <p>b) Payment term is 90% direct payment after 45 days from the date of dispatch against submission of dispatch documents and balance 10% against site acknowledgement. <b>For this option –(b), a loading of 2% on the 90% of the offered value shall be made.</b></p>

<b>Payment Term (Imports) -</b>
BHEL Payment term is 100% payment on CAD basis after 45 days from the date of receipt of documents, specified in PO, at BHEL bank. Respective bank charges to respective account.
<b>Any deviation in the above payment term will attract loading as mentioned below. “Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders.</b>
<ul style="list-style-type: none"><li>• <b>In the case of Usance LCs the loading will be considered @ 1.5% on the offered Value.</b></li><li>• <b>For LC at sight the loading will be considered @ 3.5% on the offered Value.</b></li><li>• <b>Normally CAD at sight and Confirmed LCs are liable for rejection.</b></li></ul>

<b>Liquidated Damages / Penalty</b>
Liquidated damages shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value.
Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offered value).

Vendor Sign & Seal

### Annexure III

<b>Commercial Terms &amp; conditions for Enquiry no 1801401103 dt 16.08.2014</b>			
<b>SL NO</b>	<b>CONDITIONS</b>	<b>BHEL TERMS</b>	<b>Accepted/Not Accepted</b>
1	Delivery Terms	FOR Site	
2	Delivery period	90 days from PO	
3	ED	Mention applicable %	
4	CST/VAT	Mention applicable %	
5	Freight	Vendor Scope (Inclusive of all taxes)	
6	Insurance	by BHEL	
7	LD	LD shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value.	
8	Risk Purchase	Applicable	
9	Payment terms	100% in 45 days after receipt of material at site.	
10	Validity	60 days	
11	Firm Price	Applicable	
12	PVC	Not Applicable	
13	Packing Forwarding	Vendor Scope	
14	Guarantee/Warranty	Eighteen months from the date of receipt of the material at site.	
15	MSE Clause	Applicable as per Annexure V	

Vendor Sign & Seal

**Annexure IV -Special Terms and Conditions to Enquiry no 1801401103 dt  
16.08.2014**

Sl. No	Conditions	Vendor conformation
1	<p><b>Roof Sheets Specification</b>  <b>SPECIFICATION :</b> Continuously pre-painted galvanized steel sheets to specification IS:14246 As per following requirements  <b>Base Material</b> – Mild steel as per IS-513.  <b>Base Metal thickness</b> – 0.63 MM (without negative tolerance)  <b>Galvanizing:</b> The base metal shall be galvanized with minimum grade of zinc coating 275 grams / sq.m as per IS:277  <b>Top Side Paint:</b> Top side coating shall be 20 microns minimum of Silicon Modified Polyester (SMP) painting.  <b>Bottom Side paint:</b> Bottom side coating shall be 7 microns minimum of Silicon modified polyester (SMP) painting.  <b>Durability of paint coating:</b> As per Class-3 of 14246  <b>Top Side Color:</b> Blue (RAL 5012)</p>	
2	Offer shall be submitted on <b>TWO PART</b> bid basis through BHEL's ie technical offer in one sealed cover and price bid in second sealed cover. Both tech & sealed bids has to be sent together in third cover mentioning enquiry no, due date & vendor name & contact no on outer cover.	
3	Payment terms: - 100% in 45 days after receipt of material at site.	
4	Price validity with a minimum of 60 days from the date of Tender Opening/ Reverse Auction.	
5	Prices Bid must be quoted as per the format enclosed with this tender.	
6	Liquidated damages shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value.	
7	<b>Guarantees shall be given for Eighteen months from the date of receipt of the material at site/store.</b>	
8	Order will be placed on Package wise L1 Basis on "Total cost to BHEL"	
9	BHEL may order on more than one vendor at the lowest acceptable price to BHEL	
10	Delivery Period is 90 days from PO date	
11	Risk Purchase is applicable	
12	Price shall remain firm till the supply of material.	
13	Price variation clause not applicable	
14	LC payment term is not acceptable to BHEL.	
15	All materials will be supplied as per BHEL approved drawings and specs only.	
16	<p>BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.</p> <p>In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit online sealed bid" in the Reverse Auction. Non submission of online sealed bid" by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.</p>	
17	BHEL may increase/decrease the quantity of the packages. Same will be informed to all technically suitable vendors before opening price bid / Reverse auction.	

Vendor Sign & Seal

## Annexure V

### Clause: Special Provisions for Micro and Small Enterprises (MSE):

1. 20% of the tendered quantity is earmarked for MSE suppliers in this tender.
2. Out of the 20% tendered quantity reserved for MSE suppliers, 4% shall be earmarked for procurement from MSE owned by SC / ST entrepreneurs.
3. In case MSE vendor participating in the tender quotes within the price band of L1 + 15%, they will be allowed to supply the portion of the requirement subject to acceptance of L1 price by MSE vendor. In case of more than one such MSE, the supply shall be shared proportionately.
4. MSE suppliers can avail the intended benefits only if they submit along with offer, attested copies of either EM II certificate having deemed validity (Two years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with CA certificate (Format enclosed) applicable for the year, certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or small) where the deemed validity of EM II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Non submission of such documents will lead to consideration of their bids at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier till the supplier submits these documents.

NOTE: **Without requisite documents as mentioned in point 4 above, MSE status benefits will not be extended to vendors and these documents must be furnished along with the technical bid without fail.**

## Annexure VI- Lot Wise Sizes & Qty

### Package 1 - Nabinagar, Bihar

S. No	Material	Size	Qty
1	Profile Sheet	.63x1060x1600	10940
2	Barge Board	.63x400x2440	1065
3	Ridge Piece	.63x400x2440	15
4	Plain Sheet	.63x1000x3000	70
		Total	12090

### Package 2 - Gadarwara, MP

S. No	Material	Size	Qty
1	Profile Sheet	.63x1060x1600	5000
2	Profile Sheet	.63x1060x2000	500
3	Ridge Piece	.63x400x2440	30
4	Barge Board	.63x400x2440	100
5	Plain Sheet	.63x1000x3000	30
		Total	5660

**BHEL TRICHY-14  
MM / BOI**

REF: FB: MM: BOI: 38MPS/OT

DATED: 16.08.2014

**Annexure VII - GENERAL CONDITIONS**

1. This tender is for the supply of Pre-painted Roof Sheets as per specs, size and quantities mentioned in this tender enquiry.
2. This requirement is for our different projects and will be ordered as package wise L1 (Refer Annexure VI for package details).
3. The vendor shall have adequate experience in manufacturing and supply of Pre Painted Galvanized Roof Sheets
4. Vendor shall indicate in their offer clearly the monthly tonnage that can be manufactured in their factory against the requirement and also their total manufacturing capacity in MT / Month. If vendor is not having adequate manufacturing capacity, offers may not be considered.
5. The tender is in two parts. One part consisting of commercial and technical conditions and other with price details. Techno-Commercial bid and price bid are to be submitted in separate sealed covers. In addition to technical and commercial conditions, vendors who are not registered vendor of BHEL, Trichy have to submit the filled in "Supplier Registration Forms" (*to be filled online*) along with the technical bid. Based on this and other conditions, as well as capacity and capability, vendors will be short-listed. Both these covers are to be put in a single cover duly super scribing the Enquiry Number. The technical and commercial bid will be opened on the due date and based on the acceptance of techno-commercial bid and vendor evaluation, the price bid/RA of the qualified vendors will be opened on a suitable date with due intimation.

Following will be the criteria for vendors to qualify:

- a. Vendor should have been approved by BHEL Trichy for this items under Permanent category (OR)
- b. Vendor should submit the following documents for considering them as an approved vendor:
  - i. Duly filled-in Supplier Registration Forms through online portal.

- ii. Availability of minimum manufacturing, handling, testing and measuring facilities as detailed in the Supplier Registration Form.
  - iii. BHEL will have the right for spot assessment of the facilities for assessment.
  - iv. Qualifying to our techno commercial requirements of the Enquiry.
6. BHEL reserves the right to increase or decrease the tendered quantity and split the tendered quantity among more than one tenderer and place orders accordingly in any proportion based on commitment, requirement and supplier's capability in terms of delivery and quality as assessed by BHEL.
  7. BHEL reserves the right to negotiate the L1 rate.
  8. BHEL reserves the right to re-float the tender opened, if L1 price is not the lowest acceptable price to BHEL inter-alia other reasons.
  9. BHEL reserves the right to order on more than one vendor at the lowest acceptable price to BHEL.
  10. Vendors have to confirm to the Commercial Terms and Special Terms & Conditions attached.
  11. BHEL standard LD condition is 0.50 % per week to a maximum of 10 % for the undelivered portion of materials.
  12. Vendors have to give confirmation either to BHEL drawing as attached in this tender or if the vendor's profile is not matching the BHEL drawing, vendor has to submit the design calculations for their profile fulfilling following BHEL design criteria.
    - a. **Maximum purlin spacing** -- 1300mm
    - b. **Deflection criteria** -- L/250
    - c. **Live load** -- 1.50 KN /Sq.m ( roof slope <10 degree)
    - d. **Wind load** -- 2.25 KN/Sq.m

Sachin Saini  
Engineer/MM/BOI  
[sachinsaini@bheltry.co.in](mailto:sachinsaini@bheltry.co.in)  
0431-2577897

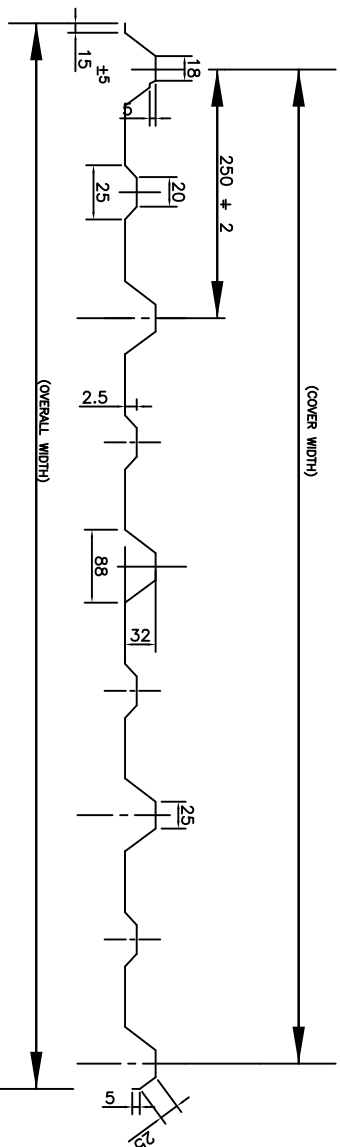
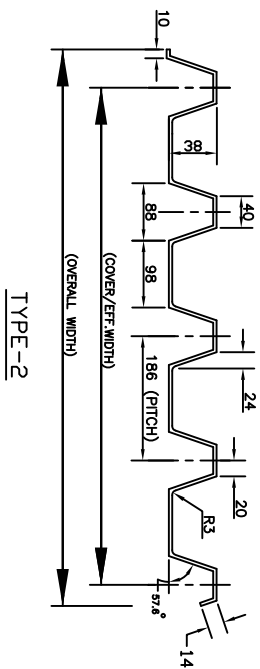
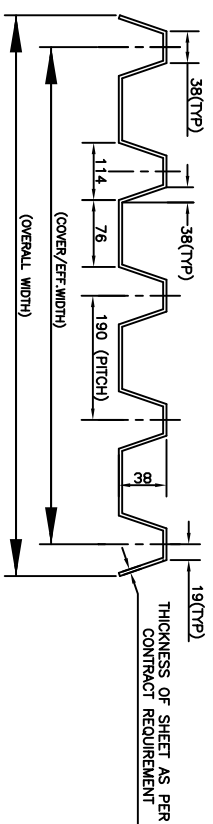
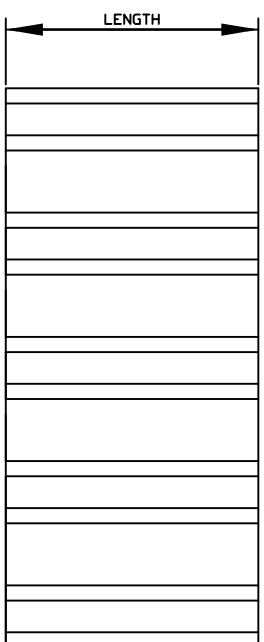
## Annexure VIII - Price Bid for Enquiry no 1801401103 dt 16.08.2014

Material		Prepainted Galvanized Roof Sheets					
Vendor Name							
Project Name		Nabinagar			Gadarwara		
Material	Qty	Rate/No	Amt	Qty	Rate/No	Amt	
Profile Sheet 0.63x1060x1600	10940	100	10,94,000.00	5000	100	5,00,000.00	
Profile Sheet 0.63x1060x2000	0	0	-	500	100	50,000.00	
Barge Borad .63x400x2440	1065	100	1,06,500.00	100	100	10,000.00	
Ridge Piece .63x400x2440	15	100	1,500.00	30	100	3,000.00	
Plain Sheet.63x1000x3000	70	100	7,000.00	30	100	3,000.00	
1 Base price			12,09,000.00			5,66,000.00	
2 Packing & forwarding (% of Basic price)	0.00%		0.00	0.00%		0.00	
3 EX works Cost of package			12,09,000.00			5,66,000.00	
4 Excise Duty	12.36%		1,49,432.40	12.36%		69,957.60	
5 CST/VAT (as applicable) on Exworks + ED	2.00%		27,168.65	2.00%		12,719.15	
6 Freight by Vendor (% of Ex Works)	0.00%		0.00	0.00%		0.00	
7 Insurance (by BHEL)	0.070%		950.90	0.070%		445.17	
8 Total Amount			<b>13,86,551.95</b>			<b>6,49,121.92</b>	

### Instructions

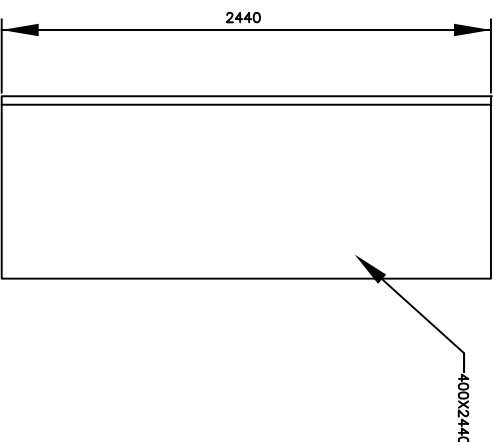
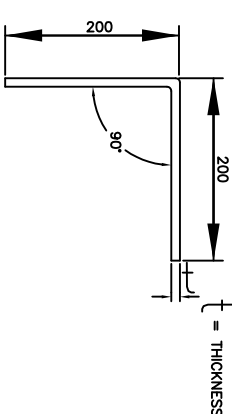
Please quote Price in above format. Any other charges may be indicated separately. This format must be attached in 1 price bid only and not in technical bid.

**Values in Shaded portion are taken as a sample only. Vendors have to fill these values as per their offer**

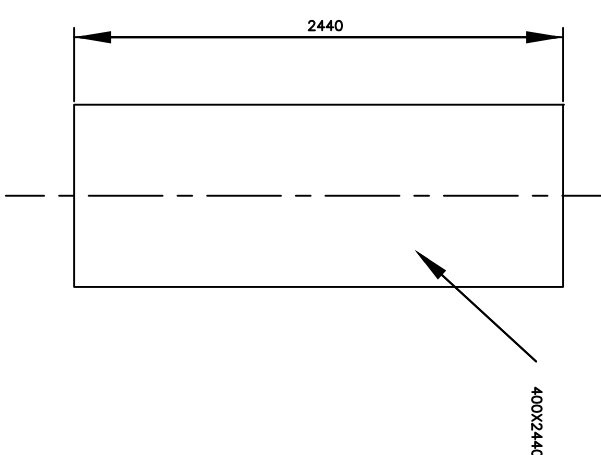
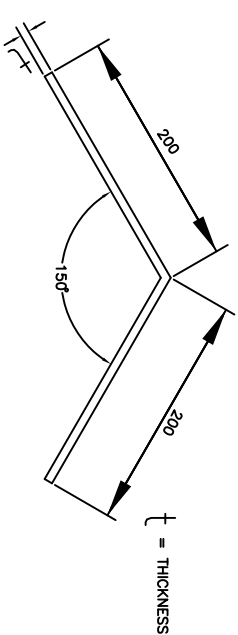


TRAPEZOIDAL PROFILE SHEET

REV	DATE	ALTERED	S.SIVA
01	28/09/10	CHKD & APPD	S.MURALSANKAR
ZONE	NOTES AND DIMENSIONS REMOVED		



DETAILS OF BARGE BOARD CORNER PIECE



DETAILS OF RIDGE PIECE

ALL DIMENSIONS ARE IN MM

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

TYPE OF PRODUCT  
OR NAME OF  
CUSTOMER/PROJECT



**Bharat Heavy Electricals Ltd**  
UNIT: HIGH PRESSURE BOILER PLANT  
TIRUCHIRAPPALLI - 620014

DRN	NAME	SIGNATURE	DATE
CHD	V.MUTHUMANI		10.06.10
APPD	S.MURALI SANKAR		10.06.10
	V.RAMACHANDRAN		10.06.10

DEPT	RBC & HRSS	ALL DIMENSIONS ARE IN MM	PROJECTION	SCALE	WEIGHT (Kg)
1322				N.T.S	

TITLE  
DETAILS OF TRAPEZOIDAL PROFILE SHEET,  
BARGE BOARD & RIDGE PIECE

DRAWING NO :  
3-35-611-80440

REV	01
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## **Checklist**

### **For Registered vendors with Permanent Vendor code**

1. Confirmation to all Annexures I to VIII

### **For New Vendors not registered with BHEL Trichy**

1. Confirmation to all Annexures I to VIII
2. Technical brochure.
3. Supplier Registration Form (SRF) has to be duly filled up online and send one copy with all the documents as mentioned in SRF. Offers with incomplete forms will not be entertained  
URL for online Registration form is as below

<http://vis.bheltry.co.in/olsa/>

### **For any help regarding filling of SRF, you may contact following**

Mr Sukumar (Head - Supplier Development Cell)  
Ph: 0431/2577383  
Email: [sukumar@bheltry.co.in](mailto:sukumar@bheltry.co.in)

Mr. Ebinesan (Sr. Manager - Supplier Development Cell)  
Ph: 0431/2577448  
Email ID: [ebi@bheltry.co.in](mailto:ebi@bheltry.co.in)

Systems / BHEL /TRICHY  
Ph: System SDC:0431/2577121, [ljp@bheltry.co.in](mailto:ljp@bheltry.co.in)

Ph: System ERP:0431/2577522, [erpsubcon@bheltry.co.in](mailto:erpsubcon@bheltry.co.in)

### **For any queries regarding tender you may contact**

Mr. Sachin Saini  
Engineer/MM/BOI  
BHEL Trichy  
0431-2577897  
[sachinsaini@bheltry.co.in](mailto:sachinsaini@bheltry.co.in)