



An ISO 9001  
Company

## Bharat Heavy Electricals Limited

( Purchase/FB/SD) 24 Building

Tiruchirappalli – 620014, TAMIL NADU, INDIA

Purchase Department

<b>TITLE :</b> <b>Supply of Galvalume Steel of 550 MPA yield stress conforming to IS:513.</b>	Phone: +91 431 257 7457 Fax : +91 431 2520719 Email : <a href="mailto:rksamy@bheltry.co.in">rksamy@bheltry.co.in</a> Web : <a href="http://www.bhel.com">www.bhel.com</a>
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<b>Reference Number:</b>  <b>REF:FB:PUR:GALVALUM/OT</b>	<b>Date:13.07.2009</b>	<b>Due date for submission of quotation: 05.08.2009</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 additional vendors for supply of Galvalume Steel BOILER ROOF SHEET.

Manufactureres / stockists / Authorised dealers with minimum 2 years experience may apply for registration to following address.

M.Kulandairaj  
DGM/Purchase/ FB/SD. Bldg 24, BHEL, Trichy-14.(620014)

Phone: 0431-257 7404  
Fax: 0431-252 0719.  
Mail: [mkraj@bheltry.co.in](mailto:mkraj@bheltry.co.in).

## Specification

Supply of Cold rolled in high tensile Galvalume Steel of 550 MPA yield stress conforming to IS:513, IS:14246 and ASTM A446 Grade E.

The material shall have hot dip metallic coating of Aluminium – Zinc alloy (150 grams per sq.mtr. total on both sides, coating class AZ150 as per ASTM A 792). The bottom unexposed surface shall then be coated with alkyd back of minimum 7 microns. Top exposed surface shall have SMP ( Silicon Modified Polyester) paint system Minimum 20 microns top coat applied over 5 microns primer with additional coating of Fluoropolymer (PVF2) paint system (for costal area only) over and above the Top coating. The top coat shall be Blue (RAL 5012).

The Precoated galvalume steel sheets shall meet the following performance standards.

Pencil Hardness	: F minimum
Formability	: 2 – 3 t
Specular Glass (60 deg) (ASTM D523)	: 20 – 35 %
Impact Resistance	: Greater than 10 J
Salt spray test	: 750 hours
QUV – Wealterometer Test	: 1000 light hours
Humidity Test	: 1000 hours
Temperature Resistance	: 100 degree centigrade
File performance	: Class I

The SMP coated steel sheet in standard colour under normal well washed conditions of exposure shall not show any cracking, flaking or peeling of paint film for atleast 10 years. Colour change during service, determined according to ASTM D2244 should not exceed 5E hunter lab units on light colours.

Overall sheet thickness shall be minimum 0.50 mm. Colour of the sheet Blue (RAL 5012)

## Requirement

Sl.no	Description	Qty	Remarks
1	GALVALUME TRAP SHEET 0.5 X 1060 X 1600	5300	
2	GALVALUME PLAIN SHEET 0.5 X 500 X 2500	40	
3	GALVALUME VENTILATOR CURVE 0.5X800X1060	100	
4	GALVALUME BARGE BOARD 0.5 X 400 X 2440	220	

  
( R. KRISHNASAMY )  
Manager/ Purchase/FB/SD

REF:FB:PUR:GALVALUM/OT

DATED 14.07.2009

**SPECIAL CONDITIONS**

- 1) This tender is for the supply of Galvalume Steel of 550 MPA yield stress conforming to IS:513, IS:14246 and ASTM A446 Grade E.
- 2) The vendor shall have adequate experience in manufacturing and supply of Galvalume Steel.
- 3) 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.
- 4) 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" (available in [www.bhel.com](http://www.bhel.com)) 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 superscribing 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 of the qualified vendors will be opened on a suitable date with due intimation.

Following will be the criteria for short-listing the vendors.

- Evaluation of the duly filled Supplier Registration Forms.
- Availability of minimum manufacturing, handling, testing and measuring facilities as detailed in the Supplier Registration Form.
- BHEL will have the right for spot assessment of the facilities.
- Meeting our techno commercial requirements of the Enquiry.

- 5) 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.
- 6) BHEL reserves the right to negotiate the L1 rate.
- 7) BHEL reserves the right to re-float the tender opened, if L1 price is not the lowest acceptable price to them inter-alia other reasons.
- 8) BHEL reserves the right to order on more than one vendor at the lowest acceptable price to BHEL.
- 9) BHEL standard LD condition is 0.50 % per week to a maximum of 15 % for the undelivered portion of materials.
- 10) a) BHEL general Payment terms is 90 % through Bank ( Within 45 to 90 days )and balance 10 % after the receipt materials at site.

**OR**

- b) 100 % payment will be made in 60 days from the date of receipt of materials at site.

  
( R. KRISHNASAMY )  
Manager/ Purchase/FB/SD