



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

MATERIALS MANAGEMENT / CAPITAL EQUIPMENT

ENQUIRY

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	Enquiry Number: 2621000075	Enquiry Date: 02.08.2010	Due date for submission of quotation: 02.09.2010
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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.

Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the Date of tender opening.

Sl. No	Description	Quantity	Delivery (Item required at BHEL on)
1	Copper Conductor 250A and its installation as per the technical specification, general guidelines instructions & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	2000 Mtrs	25.01.2011
2	Current Collector – 125 A as per the technical specification, general guidelines instructions & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	184 Nos.	25.01.2011

BHEL commercial terms & conditions with Price Bid and Bank Guarantee formats can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units) Bharat Heavy Electricals Limited page) under Enquiry reference “2621000075”.

Tenders should reach us before 14:00 hours on the due date
Tenders 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 BHARAT HEAVY ELECTRICALS LIMITED

Sr. Manager / MM / Capital Equipment

PART A

SECTION-I: -QUALIFING CRITERIA

The BIDDER/VENDOR (OEM) has to compulsorily meet the following requirements to get qualified for consideration of the technical offer for the SUPPLY OF SHROUDED CONDUCTOR SYSTEM

S. No.	PARTICULARS	VENDOR'S RESPONSE
1.0	Only those Bidder/vendor (OEM), who have supplied and commissioned at least 1000M of 250Amps shrouded conductor system for crane application in the past five years and such system is presently working satisfactorily for more than one year after commissioning (on the date of opening of Tender), should quote. Performance certificate from the customers (minimum 2) regarding satisfactory performance of system supplied to them in attached format should be enclosed along with technical offer.	
2.0	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false/ incorrect, the offer shall be rejected.	
3.0	The vendor should have minimum 5 years experience in design, fabrication and supply of shrouded conductor system for cranes.	

SECTION – II

The vendors are requested to provide the following details

S. No.	PARTICULARS	VENDOR'S RESPONSE
4.0	Number of Years of Experience of the BIDDER/VENDOR (OEM) in the field of design, manufacture, supply, erection & commissioning of shrouded conductor system for cranes	
5.0	Total length of shrouded conductor system supplied, installed and commissioned till date	
6.0	Total length of copper shrouded conductor system for 250A supplied, installed and commissioned till date	
7.0	Details on SERVICE-AFTER-SALES Set-Up in India	

	including the Addresses of Agents / Service Centre in India and Asia	
8.0	Any Additional Data to supplement the manufacturing capability of the BIDDER for the subject equipment.	

SECTION – III

Bidder / Vendor (OEM) to note the following

S.No.	REQUIREMENTS	VENDOR'S RESPONSE
9.0	The BIDDER / VENDOR shall submit the offer in TWO PARTS - Technical [with PART A & PART B] & Commercial and Price Bid.	
10.0	The Offer shall contain a comparative statement of Technical Specifications given by BHEL and the Offer Details submitted by the Bidder, against each clause. Where details are required, a mere 'CONFIRMED' or 'COMPLIES' or 'YES' or 'NO-DEVIATION' or similar words in the technical comparative statement may lead to disqualification of the Technical Offer.	
11.0	The Technical Offer shall be supported by Product Catalogue and Data Sheets in ORIGINAL and complete technical details of 'Bought-Out-Items' with copies of Product Catalogue and Selection Criteria	
12.0	The Commercial Offer (given with the Technical Offer) shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid, for confirmation	
13.0	BIDDER has to indicate the Country of Origin for the supply of equipment.	

PERFORMANCE CERTIFICATE

(On Customer's Letter Head)

1. Supplier of the Equipment :
2. Make & Model of the Equipment :
3. Month & Year of Commissioning :
4. Application :
5.
 - a) Current capacity :
 - b) Length :
 - c) System Voltage :
6. Performance of the Equipment : Satisfactory /
(Strike off whichever is not applicable) Good /
Average /
Not Satisfactory
7. Any other remarks:

Date:

Signature & Seal of the Authority
Issuing the Performance Certificate

Specification For 4-line DSL Shrouded Conductor system required for new EOT cranes under capacity augmentation scheme –III

S.No	PARTICULARS	BHEL SPECIFICATION	VENDORS TECHNICAL OFFER (With complete details)
1.0	CONDUCTOR		
1.1	Total requirement	250 Amps Shrouded Conductor Set for a length of 2000Mtrs - ONE SET CONSIST OF 4 CONDUCTORS WITH PVC INSULATION SLEEVES OF COLOUR RED, YELLOW, BLUE AND GREEN.	
1.2	Material	Copper	
1.3	Current Rating	250Amps	
1.4	System voltage	500V AC	
1.5	Cross sectional area	Shall be Adequate for the current rating.	
1.6	Standard length	4.5 mtrs Appx.	
1.7	Insulation	PVC	
1.8	Protection	IP21	
1.9	Conductor joint	Double bolted type	
1.10	Insulation cover	Red, Yellow, Blue & Green Colors	
1.11	Support Pitch	1000 mm	
1.12	Hanger clamp	4 Pole	
1.13	Power feeding	Center power feeding	
1.14	Minimum pitch of conductors	40 mm	
1.15	Ambient temp.	Suitable for 50°C Ambient Temperature rise.	
1.16	Installation	Indoor	
2.0	CURRENT COLLECTOR		
2.1	Total requirement	200Nos	
2.2	Current rating	125 Amps	

2.3	Type	Sliding contact with sufficient Contact pressure while on Movement			
2.4	Tolerance in Collector movement	Horizontal +/-200 mm Vertical +/- 60 mm			
2.5	Mounting bracket	25 mm square bar			
3.0	SCOPE OF SUPPLY				
3.1	Shrouded Conductor	The 2000Mtr Shrouded Conductor set shall be supplied as mentioned below;			
		Bay length		No. of bay	Total length
		120		1	120 Mtrs
		246		5	1230 Mtrs
		240		2	480 Mtrs
		60		2	120 Mtrs
		50		1	50 Mtrs
3.2	Material supply	Shall be for all the 11Bays			
3.3	Angle support	The Angle support and Hanger clamp for mounting the conductor shall be supplied with 3% excess of required quantity.			
3.4	Expansion joints	The required numbers of Expansion joints to accommodate Temperature Change shall be supplied for each bay.			
3.4	Accessories for Shrouded Conductor fitting	The required quantity of Conductor joints, Anchor Clamps, Center power feed assembly, Expansion joints, Joint Cover, End Termination Joints & End Covers shall be supplied.			
3.5	Accessories For Current Collector Fitting	The required Quantity of Current collector mounting bracket [25 mm square box] shall be supplied for fitting 8nos of current collector for one EOT Crane			
3.6	Tools	The required tools and manual for Installation and Maintenance shall be supplied			

4.0	ERECTION AND COMMISSIONING		
4.1	Location	BHEL / Trichy	
4.2	Manpower	Suppliers scope	
4.3	Welding machine with accessories	Suppliers scope	
4.4	Gas cutting set with accessories (if necessary)	Suppliers scope	
4.5	Tools and tackles	Suppliers scope	
4.6	Power (Electricity)	Free supply by BHEL	
4.7	All consumables like welding electrode, oxy-acetylene gases etc.	Free supply by BHEL	
4.8	Personal Protective Equipments	Suppliers scope	
4.8	Remarks	Any other requirement for erection and commissioning shall be clearly indicated by the supplier.	