



Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

ENQUIRY NOTICE INVITING TENDER	Phone: +91 431 257 76 53 Fax : +91 431 252 00 31 Email : skaruna@bheltry.co.in Web : www.bhel.com
---	---

TWO PART BID Tender to be submitted in two Parts	Enquiry Number: 2731400004	Enquiry Date: 02.06.2014	Due date for submission of quotation: 24.06.2014
--	---	---	---

You are requested to quote the Enquiry number date and due date in all your correspondence. 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.

Item	Description	Quantity	Delivery Required	Delivery Terms Required
10	Supply , Erection and Commissioning of 4 Line DSL Shrouded Conductor System (for 15 Ton EOT Crane) as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	01 No.	1 month from the date of Purchase Order	F.O.R, BHEL Stores, Trichy

Important points to be taken care during submission of offer:-

1. The Compliance Form for Commercial Terms & Conditions to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
2. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media

BHEL's General guidelines / instructions (refer MM/CE/GENL/001) including bank guarantee formats and list of consortium banks, commercial terms check-list 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 above Enquiry reference.

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**


Engineer/ Capital Equipment / MM

PART- A : PRE- QUALIFICATION CRITERIA for 4-line DSL Shrouded Conductor system required for 15 T EOT Crane in ATP

The BIDDER / VENDOR has to compulsorily meet all the following requirements to get qualified for consideration of the technical offer for the SUPPLY OF SHROUDED CONDUCTOR SPARES FOR EOT CRANES. If the vendor does not qualify as per PRE- QUALIFICATION CRITERIA, the technical offer of such BIDDER(s) / VENDOR(s) offer will not be evaluated.

S. No.	REQUIREMENTS	VENDOR'S COMMENTS
1	The BIDDER(s) / VENDOR(s) shall be a Manufacturer or an Authorised dealer of DSL shrouded conductor system. In case of dealers, valid authorisation certificate from the manufacturer for supply of the Shrouded Conductor System in Part-B mentioning the enquiry number should to be submitted along with offer, failing which the offer will not be considered.	
2	The BIDDER(s) / VENDOR(s) shall have a minimum TWO years of Continuous Experience in the field of DSL Shrouded Conductor system supply and commissioning. The BIDDER / VENDOR should necessarily attach Certificate of Incorporation/ Deed of partnership/Certification of registration or any other documents supporting the above experience.	
3	Only SAFE TRACK/SAFE LINE/ SILVER LINE/NBM/SAFE LINK is Acceptable. Other Makes are liable for rejection	
4	The BIDDER(s) / VENDOR(s) shall have supplied same Make/model quoted in this tender at least ONE industries using the DSL busbar system with current capacity rating of minimum 250A for the past TWO years. The BIDDER / VENDOR should necessarily attached Purchase order copy/ Performance certificate or any other documents supporting the above supply.	
5	The supplier has to submit the original test certificate for the items from the Manufacturer at the time of supply of the materials. Only on the receipt of the test certificate from the Manufacturer, the materials will be accepted.	
6	Any Deviations in technical specification may lead to rejection of the offer.	
7	The reference List of Customers shall be accompanied with the details (Phone Number /E-Mail ID) of the CONTACT PERSON for reference by BHEL.	

PART - B : Technical Specification for 4-line DSL Shrouded Conductor system required for 15 T EOT Crane in ATP

S.No	PARTICULARS	BHEL SPECIFICATION	VENDORS TECHNICAL OFFER (With complete details)
1 FOUR-LINE SHROUDED CONDUCTOR DSL SYSTEM FOR CRANES			
1.1	Total requirement	250Amps – 84 Mtrs Copper conductor R, Y, B & G – Each 84 Mtrs	
1.2	Type of installation	Horizontal Mounting	
1.3	Material	Copper	
1.4	Current Rating	250Amps	
1.5	System voltage	415 AC	
1.6	Standard length	4.5 mtrs Appx.	
1.7	Insulation	PVC	
1.8	Protection	IP21	
1.9	Conductor joint	Four bolted type	
1.10	Insulation cover	Red, Yellow, Blue & Green Colours	
1.11	Support Pitch	1000 mm (Appx.)	
1.12	Hanger clamp	4 Pole type	
1.13	Power feeding	Center Power feeding – 1 No	
1.14	Minimum pitch of Conductors	40 mm	
1.15	Ambient temp.	Suitable for 55°C Ambient Temperature rise.	
1.16	Make	ONLY SAFE TRACK / SAFELINE / SILVERLINE / NBM /SAFE LINK IS ACCEPTABLE. OTHER MAKES ARE LIABLE FOR REJECTION.	
2 CURRENT COLLECTOR			
2.1	Total requirement	125Amps Current collector 8Nos.	
2.2	Current rating	125 Amps	
2.3	Current Collector Type	Sliding contact with sufficient Contact pressure while on Movement	
2.4	Tolerance in Collector movement	For 125Amp Current collector: Horizontal +/-200 mm & Vertical +/- 60 mm	
2.5	Mounting bracket	40/25 mm square bar	

PART - B : Technical Specification for 4-line DSL Shrouded Conductor system required for 15 T EOT Crane in ATP

S.No	PARTICULARS	BHEL SPECIFICATION	VENDORS TECHNICAL OFFER (With complete details)
<u>3 SCOPE OF SUPPLY</u>			
3.1	Shrouded Conductor	The 250Amps Shrouded Conductor set shall be supplied as 84 Mtrs X 4sets.	
3.2	Angle support and hanger clamp	The Angle support – 120 Nos & Hanger clamp assembly – 120 Nos for mounting the conductor shall be supplied. Excess quantity will be used as spare.	
3.3	Accessories for Shrouded Conductor fitting	The required quantity of Conductor joints assembly, Anchor Clamps, Centre power feed assembly, Joint Cover, and End Termination Joints & End Covers (RYBG) shall be supplied.	
3.4	Current Collector	125 Amps Current collector - 8Nos as mentioned in the current collector specifications, Excess quantity will be used as spare.	
3.5	Accessories For Current Collector Fitting	The required Quantity of Current collector mounting bracket [40/25 mm square box] shall be supplied for fitting 4 nos of current collector for 1 EOT Crane	
3.6	Tools	The required special tools (like - Site Crimping tool) if any and manual for Installation and Maintenance shall be supplied.	
<u>4.0 ERECTION AND COMMISSIONING</u>			
4.1	Location	ATP Building / BHEL unit 2/ Trichy Plant	
4.2	Manpower	Suppliers scope	
4.3	Welding machine with accessories	Suppliers scope	
4.4	Gas cutting set with accessories	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.	Suppliers scope	
4.8	Personal Protective Equipment's	Suppliers scope	
4.9	Correct alignment of mounting brackets	Suppliers scope	
5.0	Correct alignment of collector with conductor bar	Suppliers scope	

PART - B : Technical Specification for 4-line DSL Shrouded Conductor system required for 15 T EOT Crane in ATP

S.No	PARTICULARS	BHEL SPECIFICATION	VENDORS TECHNICAL OFFER (With complete details)
5.1	Powering up by laying of cables from cranes main switch to DSL. (Cables will be provided by BHEL)	Suppliers scope	
5.2	Remarks	Any other requirement for erection and commissioning shall be clearly indicated by the supplier during technical discussion itself.	

Requirement for 15 T EOT Crane in ATP

1. 250A COPPER SHROUDED CONDUCTOR SYSTEM -----84 MTRS
2. 125A CURRENT COLLECTOR ASSEMBLY-----08 NOS
3. INSTALLATION OF 250A COPPER SHROUDED CONDUCTOR SYSTEM-----84 MTRS
4. WITH ALL NECESSARY ACCESSORIES FOR INSTALLING THE ABOVE AS MENTIONED IN THE TECHNICAL SPECIFICATION.