



Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

An ISO 9001
Company

ENQUIRY	Phone: +91 431 257 7938 Fax : +91 431 252 0031 Email : tvenkat@bheltry.co.in Web : www.bhel.com
NOTICE INVITING TENDER	

TWO PART BID	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
Tender to be submitted in two Parts	2621400016	25.02.2014	18.03.2014

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
10	4 – Line DSL Shrouded Conductor System for 50 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)	1.00 Set.

Important points to be taken care during submission of offer

1. Delivery required 1 month from the date of purchase order.
2. Erection & Commissioning period required 2 Weeks from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C.
3. Offer should be evaluated on package basis.
4. Checklist No. **TRY/IND/008** to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
5. 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 Enquiry reference "**2621400016**".

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 / Capital Equipment / MM

PART - C

Annexure – I

Technical Specification For 4-line DSL Shrouded Conductor system required for 50T EOT Crane at ATP/UNIT-II in BHEL - Trichy

S.No	PARTICULARS	BHEL SPECIFICATION	VENDORS TECHNICAL OFFER (With complete details)
1	4-LINE SHROUDED CONDUCTOR DSL SYSTEM FOR 50T EOT CRANE		
1.1	Total requirement	i) 250Amps. – 120 Mtrs Copper conductor R,Y, B & G – each 120 Mtrs	
1.2	Type of Installation	Horizontal Mounting	
1.3	Material	i) Copper	
1.4	Current Rating	i) 250Amps	
1.5	System voltage	415V 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 Colors	
1.11	Support Pitch	1000 mm (Appx.)	
1.12	Hanger clamp	4 Pole type	
1.13	Power feeding	Center Feeding	
1.14	Minimum pitch of Conductors	40 mm	
1.15	Ambient temp.	Suitable for 50°C Ambient Temperature rise.	
1.16	Expansion Joint	Expansion Joint of 2 meters length	
2	CURRENT COLLECTOR		
2.1	Total requirement	i) 125Amps Current collector 8Nos. (For 1 Crane)	
2.2	Current rating	i) 125 Amps	
2.3	Current Collector Type	Sliding contact with sufficient Contact pressure while on Movement	
2.4	Tolerance in Collector movement	i) For 125Amp Current collector: Horizontal +/-200 mm & Vertical +/- 60 mm	
2.5	Mounting bracket	40/25 mm square bar (2 Nos)	
2.6	Shoe Holder Material	NYLON / ABS	
3	SCOPE OF SUPPLY		
3.1	Shrouded Conductor	The 250Amps Shrouded Conductor set shall be supplied as 120Mtrs X 4sets.	
3.2	Angle support	The Angle support and Hanger clamp for mounting the conductor shall be supplied with 3% excess of required quantity.	

3.3	Expansion joints	Expansion joint of two meters length to accommodate Temperature Change shall be supplied.	
S.No	PARTICULARS	BHEL SPECIFICATION	VENDORS TECHNICAL OFFER (With complete details)
3.4	Accessories for Shrouded Conductor fitting	The required quantity of Conductor joints, Anchor Clamps, Centre power feed assembly, Expansion joints, Joint Cover, End Termination Joints & End Covers shall be supplied.	
3.5	Current Collector	125Amps Current collector – 8Nos as mentioned in the current collector specifications.	
3.6	Accessories For Current Collector Fitting	The required Quantity of Current collector mounting bracket [40/25 mm square box] shall be supplied for fitting 8nos of current collector for 1 EOT Crane	
3.7	Tools	The required special tools if any and manual for Installation and Maintenance shall be supplied.	

Annexure - II

4.0	ERECTION AND COMMISSIONING		
4.1	Location	Unit-II /BHEL /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 Equipments	Suppliers scope	
4.9	Remarks	Any other requirement for erection and commissioning shall be clearly indicated by the supplier during technical discussion itself.	

Requirement.

1. 250A COPPER SHROUDED CONDUCTOR-----120 MTRS
2. 125A CURRENT COLLECTOR-----8 NOS
3. INSTALATION OF 250A COPPER SHROUDED CONDUETOR-----120 MTRS
4. WITH ALL NECESSARY ACCESSORIES FOR INSTALLING THE ABOVE AS MENTIONED IN THE TECHNICAL SPECIFICATION.

NOTE: Offer should be evaluated on package basis.