



Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

An ISO 9001
Company

CAPITAL PURCHASE / MATERIALS MANAGEMENT / MANUFACTURING

ENQUIRY	Phone: +91 431 257 75 75 Fax : +91 431 252 07 19 Email : rrmanohar@bheltry.co.in Web : www.bhel.com
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	Enquiry Number: 2620700004	Enquiry Date: 24.02.2007	Due date for submission of quotation: 26.03.2007
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Your 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

Item	Description	Quantity	Delivery Schedule
10	250A Copper Conductor as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com)	1020 M	20.06.2007
20	125A Current Collector as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com)	112 Nos	20.06.2007
30	Erection and Commissioning of 1020Mtrs of 250A Copper Conductor and 112 Nos. of 125A Current Collector	1 AU	20.06.2007
40	100A Copper Conductor as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com)	810 M	20.06.2007
50	60A Current Collector as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com)	96 Nos	20.06.2007
60	Erection and Commissioning of 810Mtrs of 100A Copper Conductor and 96 Nos. of 60A Current Collector	1 AU	20.06.2007

M = Metres

1 AU = 1 Activity Unit



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Note:

- (1) The detailed Technical Specification along with technical point-by-point confirmation, Commercial Terms & Conditions applicable for this Enquiry, Confirmation of acceptance for BHEL commercial terms & conditions and Price Bid formats have been posted in BHEL Corporate web site www.bhel.com under Enquiry reference “2620700004”. Your offer should be based on all the above documents.
- (2) Also, you are requested to fill in the Supplier Registration formats available in www.bhel.com (under Advancement – Supplier Registration) and send it along with your offer.
- (3) Item SI.Nos.10, 20 & 30 will be evaluated as single lot.
Similarly Item SI.Nos.40, 50 & 60 will be evaluated as single lot.
- (4) Price shall be quoted for all the item sl.nos. (10 to 60) separately.
- (5) Offer will not be considered if erection & commissioning is not quoted.

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. Dy. Genl. Manager / Capital Purchase / MM /
Manufacturing

BHEL Tender No. 2620700004 dated 24.02.2007**TECHNICAL SPECIFICATIONS FOR SHROUDED CONDUCTOR SYSTEM**

S.No	PARTICULARS	BHEL SPECIFICATION	VENDORS TECHNICAL OFFER (With complete details)
1.0	CONDUCTOR	Shrouded conductor 4-line DSL system for EOT cranes i) 250 Amps Copper conductor and ii) 100 Amps GI conductor	
1.1	Material	i)Copper and ii)GI	
1.2	Cross sectional area	66 Sq mm (minimum) for both Copper and GI conductor	
1.3	Standard length	4.5 mtrs Appx.	
1.4	Insulation	PVC	
1.5	Protection	IP21	
1.6	Conductor joint	Double bolted type	
1.7	Insulation cover	RYB&G Colors	
1.8	Support Pitch	1000 mm	
1.9	Hanger clamp	4 Pole.	
1.10	Power feeding	Center power feeding	
1.11	Minimum pitch of conductors	40 mm	
1.12	Installation	Indoor	
1.13	System voltage	500V AC	
1.14	Joints & ends shall be	With cover	
1.15	Shall be supplied with	Expansion joint and anchor clamp	
2.0	Quantity		
2.1	Total Requirement	i)1020 Mtrs for copper conductor R, Y, B & G – each 1020 Mtrs ii)810 Mtrs for GI conductor R, Y, B & G – each 810 Mtrs	
2.2	Split for 1020 mtrs The total length required for 6 bays. Split for 810 mtrs The total length required for 8 bays	100 X 1 = 100 Mtrs 110 X 1 = 110 Mtrs 250 X 3 = 750 Mtrs 60 X 1 = 60 Mtrs <hr/> Total = 1020 Mtrs Required quantity of material shall be supplied for all the 6 bays 140 X1 = 140 Mtrs 120X 1 = 120 Mtrs 160X 2 = 180 Mtrs 60X 3 = 180 Mtrs 50X1 = 50 Mtrs <hr/> Total = 810 Mtrs Required quantity of material shall be supplied for all the 8 bays	

2.3	Number of bays	6 for copper conductor 8 for GI conductor	
2.4	Material supply shall be	For all the 6 + 8 =14 bays	
2.5	Angle support	Scope of supply includes angle support of required quantity for mounting the conductor with 3% excess quantity	
3.0	Current collector		
	Current rating	i) 125 Amps for copper conductor ii) 60 Amps for GI conductor	
3.2	Collector movement	i) For 125 A mps Horizontal +/-200 mm Vertical +/- 60 mm ii) For 60Amps Horizontal +/-125 mm Vertical +/- 50 mm	
3.3	Mounting bracket	25 mm sq box	
3.4	Sintered copper shoe	125 A	
3.5	Shoe holder	Nylon	
4.0	ERECTION AND COMMISSIONING		
4.1	Location	BHEL / Thiruchy - 620014	
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	Remarks	Any other requirement for erection and commissioning shall be clearly indicated by the supplier.	

Note:

- (1) Enquiry Item SI.Nos.10, 20 & 30 will be evaluated as single lot. Similarly Enquiry Item SI.Nos.40, 50 & 60 will be evaluated as single lot.
- (2) Price shall be quoted for all the Enquiry Item SI.Nos. (10 to 60) separately.
- (3) Offer will not be considered if erection & commissioning is not quoted.