

**भारत हेवी इलेक्ट्रिकल्स लिमिटेड**  
पावर सेक्टर-पश्चिमीक्षेत्र  
श्रीमोहिनी काम्पलेक्स, 345, किंग्सवे  
नागपुर- 440 001



**Bharat Heavy Electricals Limited**  
Power Sector-Western Region  
Shreemohini complex, 345 Kingsway  
Nagpur -440 001

फोन / Phone 0712- 3048600 TO 604, फैक्स/FAX: 0712- 3048698- 699/ 3048605 www.bhelpswr.co.in

PUR-F 31/01  
ENQUIRY NO. 09006 E

Date: 06/07/09

Page 1 OF 9  
DUE DATE: 27.07.09

**PURCHASE ENQUIRY**

To	Our E-mail: <a href="mailto:vivekf@bhelpswr.co.in">vivekf@bhelpswr.co.in</a>
ALL BIDDERS	ENQUIRY No: <b>09006 E</b>
	ENQ.DATE <b>06/07/2009</b>
	DUE DATE <b>27/07/2009</b>

Dear Sirs,

Kindly submit your sealed quotation by Speed Post / Registered Post / Courier / Air Mail in ~~single (Price) bid/~~

**two part bid viz.(1) Technical cum Commercial Bid & (2) Price Bid.** For the material indicated below confirming acceptance to the terms and conditions enclosed, so as to reach our office on or before 2.00 PM on the Due Date.

Sl No	Description of Material	Unit	Qty	Delivery Schedule	Material Required at (Destination)
01	<b>SUPPLY OF PAINT AS PER ANNEXURE-I</b>	ANNE X-I	ANNE X-I	AS MENTIONED IN SN-2 OF SPECIAL CONDITION OF CONTRACT	<b>BHEL SITE OFFICE BORL, 3X33 MW CPP, VIII &amp; PO: Agasode Bina, Distt. Sagar-470113</b>

**A) GENERAL CONDITIONS OF CONTRACT**

Cl. No.	DESCRIPTION
01	'Technical cum Commercial Bid' and 'Price Bid' shall be sealed in two separate envelopes. Both these sealed envelopes shall bear distinct identification with regard to the type of bid and Enquiry number. These two sealed envelopes shall then be kept in a third envelope and superscripted with correct Enquiry No. and Due Date. The outer cover should be addressed to the issuing authority of this enquiry and shall also bear the name and address of the bidder. Tender should be free from OVERWRITING AND ERASURES. Bidder's authorized signatory must attest corrections, if any. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount in figures and words, amount quoted in words shall prevail.
02	<b>Technical cum Commercial bid will be opened on 28/07/2009/11.00Hrs.</b> The Technical cum Commercial bid should accompany product catalogue of the models offered, technical specifications of the product, commercial Terms & Conditions, and other relevant documents etc.
03	Price bid of technically accepted bidders only will be opened. No revision of prices will be entertained after Tenders are opened, unless mentioned in our enquiry / asked so by BHEL.
04	Manufacturer's name, Trade Mark or Patent No. if any, shall be specified in the Technical cum Comm. Bid.
05	Please mention the relevant national / international standard code of the product quoted for in the Technical cum Commercial bid.
06	The purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any tender in part or full without assigning any reason whatsoever.
07	Late tenders (received after Due Date) will be rejected.
08	Price quoted shall be valid for <b>60 days</b> from the Due Date (of tender submission) for the placement of Purchase Order, <b>and further till the completion of supply.</b>
09	<b>Price shall be quoted as per enclosed 'Price Format' only. Quotations not accompanying filled in 'Price Format' are likely to be rejected. Please fill in all the columns of all formats</b>
10	The price quoted should be as applicable to DGS & D (Govt. of India) and other Govt. Organizations. In case DGS & D rate / Running Contract is not existing, but a contract is in vogue with any BHEL Unit,

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PUR-F 31/01

ENQUIRY NO. 09006 E

Date: 06/07/09

Page 2 OF 9

DUE DATE: 27.07.09

	reference of the same shall be furnished and same may be applicable to this contract.
11	SECURITY DEPOSIT: The supplier shall have to furnish Security Deposit (Cash/DD/Bank Guarantee from a Scheduled Bank) if so specified in the tender under Special Terms & Conditions.
12	DELIVERY FAILURE, TERMINATION & LIQUIDATED DAMAGE: The parties hereto agree that the timely dispatch/delivery and completion of the other schedules as stipulated in order/contract shall be the essence of the Order/Contract. If the seller/contractor fails to complete the dispatch/ delivery and other schedules within the time period stipulated in the order/contract, or within any extension of time granted by the purchaser, it shall be lawful for the purchaser to recover damages for the breach of order/contract without prejudice to any other rights and/or remedies provided for, in order/contract and hereunder. The purchaser reserves the right to recover from the Seller/Contractor, as agreed liquidated damages and not by way of penalty, a sum equivalent to half percent { ½% of the total contract price per week part thereof, subject to a maximum of ten percent @ 10%} of the total contract price excluding elements of taxes, duties and freight, if seller/contractor has failed to deliver any part of the goods within the period stipulated in the Order/Contract. The purchaser reserves the right to purchase from elsewhere on account of and at the risk and cost of the seller /contractor without notice to the seller /contractor of goods not so delivered or their equivalent, without canceling the order/contract in respect of the goods not yet due for delivery. The purchaser reserves the right to cancel the order/contract or a portion thereof for the goods not so delivered at the risk and cost of the seller/contractor and the seller/contractor shall be liable to the purchaser for any excess costs thereof.
13	RISK PURCHASE: In the event the supplier has failed to deliver or dispatch whole of the goods or any part within the time stipulated or if the same were not available in his stock, the best and the nearest available substitute thereof may be purchased/arranged by purchaser from elsewhere at the risk and the cost of the seller. The purchaser at his option will be entitled to terminate the contract and seller shall be liable for any loss, which the purchaser may sustain by reason of such risk purchases in addition to penalty at the rate mentioned in clause 12 above.
14	PREFERENTIAL DELIVERY: It should be noted that if an Order is placed on a higher tenderer as a result of this invitation to tender, in preference to the lowest acceptable offer in consideration of the earlier delivery, the seller will be liable to pay the purchaser the difference between the contract rate and that of the lowest acceptable tender on the basis of final price F.O.R. destination including all elements of freight, sales tax, duties and other incidentals in case of failure to complete supplies in terms of such contract within the date of delivery specified in the tender and contract.
15	GENERAL: The purchaser reserves the right to split up the tender and place orders for individual item on different suppliers and also increase or decrease the quantity.
16	In case of any contradictions between General and Special Conditions, the provisions in Special Conditions shall prevail.
17	<b>Vendor should be a manufacturer of the Paints.</b>
18	<b>Acceptance of Offers of Bidder shall be subject to its approval by BHEL's customer</b>

ENGINEER/PURCHASE

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PUR-F 31/01  
ENQUIRY NO. 09006 E

Date: 06/07/09

Page 3 OF 9  
DUE DATE: 27.07.09

**B) SPECIAL CONDITIONS OF CONTRACT**

SN	Description
01	<b>Quoted Rates:</b> Bidders shall quote all-inclusive rates on F.O.R. Destination basis, excepting cost of Transit Insurance. Transit Insurance will be covered under Open Marine Insurance policy of BHEL. <b>The quoted rates shall remain firm for 60 days from the due date of tender for the placement of Purchase Order and further till the completion of supplies.</b>
02	<b>Delivery Schedule:</b> Supplier shall deliver the paint in TWO Lots as given below. 1) 1 <sup>st</sup> Lot is 50% of the total requirement. 2) 2 <sup>nd</sup> Lot is 50% of the total requirement. Bidder shall supply the 1 <sup>st</sup> lot within one month from the date of Purchase Order & 2 <sup>nd</sup> lot shall be supplied after the confirmation from the site within one month from the date of confirmation.
03	<b>Supply Documentation:</b> Supplier shall deliver the material accompanied with Mfg. Batch Test Certificate (BTC) <b>issued by QA/QC department of the Manufacturer</b> in support of compliance with IS Specification. BTC must record the Volume of Solid. Consignee's acceptance of delivered material will be based on physical inspection/examination of delivered Lot and information recorded on BTC. Lots delivered without BTC will not be accepted by BHEL.
04	<b>Payment Terms:</b> BHEL Nagpur will pay 100% supply value for the accepted Lot within 30 days of delivery at destination and acceptance of the Lot, or within 30 days of receipt of Supply Invoice at BHEL Nagpur Office with supporting documents, whichever is later. Invoice shall contain Excise and Sales Tax registration numbers, shall accompany Excise Gate Pass (Original in case of full gate pass quantity or Authenticated Copy for part quantity) and Stores Receipt Voucher issued by Consignee as acceptance of the Lot. Payments will be made thro bank by EFT/RTGS mode for which bidder has to provide the bank details as mentioned in Clause-16 of this Special Terms and Conditions.
05	Paints and Primer shall have a shelf-life of at least 12 months from the date of receipt at site. Guarantee of paints supplied should be one year. And no lot should be older than 2-3 months on the date of receipt at site.
06	Bidder shall furnish Technical Specification of offered paints in the format furnished in Annexure-I enclosed herewith.
07	Bidder shall furnish Commercial Conditions in format given at Page-5,6 of 9 with this Technical Bid. Bidder may specify any additional Commercial Conditions separately with Tech Bid. <b>Some of the Commercial Conditions have been pre-defined by BHEL therein. No deviations in respect of such pre-defined conditions will be accepted by BHEL. In case of any deviation in Pre-defined condition, offer is liable to be rejected.</b>
08	Price bid shall be quoted in the Price bid format given here. Bidder shall indicate the item rates in the Price Bid format. Price Bid containing any Terms and Conditions shall be rejected.
09	Required quantities may vary from the quantities indicated in this enquiry. Agreed rates shall remain firm for any variations in individual item quantities.
10	Short Closure: BHEL may short close the contract at any stage without assigning any reasons.
11	<b>Evaluation of offered rates</b> will be done with due consideration of Volume of Solids (VOS) in the offered paints. For the purpose of offer evaluation, quantities of paint will be extrapolated for minimum VOS as specified in the enquiry, as per Annexure-I. The following formula will be adopted. Quantity considering VOS = quantity of paint as per Annexure-1x (Minimum VOS / VOS of offered paint (as mentioned in Annexure-I)). Note: - Above formula is applicable only for evaluation of offers.

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PUR-F 31/01  
ENQUIRY NO. 09006 E

Date: 06/07/09

Page 4 OF 9  
DUE DATE: 27.07.09

#### SPECIAL CONDITIONS OF CONTRACT

13	<b>Evaluation of Total Price:</b> Offers will be evaluated based on total price of all the items together and also by considering the input credit of ED, local sales tax offered by the vendor.(i.e. <b>total landed cost including taxes, duties and freight minus ED, local sales tax paid for the same</b> ). Purchase order will be placed for all the required paints on a single bidder.
14	<b>ANY BID CONTAINING BOTH TECHNICAL AND PRICE BID IN THE SAME ENVELOPE WILL BE REJECTED.</b>
15	
16	<b>Bidder to submit "Un Priced Price format" duly filled and signed along with the technical bid. The price should be quoted as specified in the price format with split up details.</b>
17	<b>This is to inform you that BHEL is switching on to payment through Electronic Fund Transfer (EFT)/ RTGS. In order to implement the new system, the following details are to be furnished by you pertaining to your Bank Accounts where proceeds will be transferred through our Banker:</b> <b>1. Name of the Company</b> <b>2. Name of Bank</b> <b>3. Name of Bank Branch &amp; Branch Code</b> <b>4. City</b> <b>5. Account Number</b> <b>6. Account type</b> <b>7. IFSC code of the Bank Branch</b> <b>8. MICR Code of the Bank Branch</b>
18	Bidder must confirm whether Excise Invoice shall be given or not. In case bidder confirms that excise invoice shall be given, then the evaluation of bid shall be on the basis landed cost to BHEL excluding Excise Duty.
19	In case bidder fails to supply the material as per delivery schedule of this tender, LD shall be levied as per clause no.12 of GGC of this tender specification.
20	BHEL reserves the right to reject or accept the tender without assigning any reasons whatsoever.
21	Purchase Order will be released for the quantities considering VOS.
22	<b>BHEL will issue "C-Form" in case of supply from outside MP and if delivers from within MP state, and charges us local sales tax by issuing tax invoices, credit will be given for such local tax, for the purpose of evaluation.</b>
23	<b>Inspection:</b> <b>a) All painting materials including primers and thinners brought to site by contractor should be as per specifications in Annexure-II and shall be accompanied by manufacturer's test certificates. Paint formulations without certificates are not acceptable.</b> <b>b) Engineer-In-Charge at its discretion may call for test for paint formulations. Contractor shall arrange to have such tests performed including batch-wise test of wet paints for physical &amp; chemical analysis. All costs there shall be borne by the contractor.</b>

Thanking you,

Yours faithfully,  
For Bharat Heavy Electricals Ltd.  
ENGINEER (PURCHASE)

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PUR-F 31/01  
ENQUIRY NO.09006 E

Date: 06/07/09

Page 5 OF 9  
DUE DATE: 27.07.09

SN	DESCRIPTION OF T&C	CONDITIONS AS REQUIRED BY BHEL	CONDITIONS AS OFFERED BY BIDDER
01	DELIVERY TERMS	F.O.R. DESTINATION	F.O.R. DESTINATION
02	PLACE OF DELIVERY	<b>BHEL SITE OFFICE BORL, 3X33 MW CPP, VIII &amp; PO: Agasode Bina, Distt. Sagar-470113</b>	<b>BHEL SITE OFFICE BORL, 3X33 MW CPP, VIII &amp; PO: Agasode Bina, Distt. Sagar-470113</b>
03	DELIVERY PERIOD FROM THE DATE OF ORDER	AS PER SN-2 OF SPECIAL CONDITIONS OF CONTRACT	AS PER SN-2 OF SPECIAL CONDITIONS OF CONTRACT
04	VALIDITY OF THE OFFER	AS PER SN-1, SPECIAL CONDITION OF CONTRACT.	AS PER SN-1, SPECIAL CONDITION OF CONTRACT.
05	CURRENCY OF PAYMENT	INDIAN RUPEES	INDIAN RUPEES
06	PACKING & FORWARDING CHARGES	<b>BIDDER TO INCLUDE IN QUOTED RATES</b>	<b>INCLUDED IN THE QUOTED RATE</b>
07	EXCISE DUTY (% RATE) WITH EDUCATIONAL CESS	EXTRA AS APPLICABLE ON THE DATE OF ED GATE PASS (COPY SHOULD BE PROVIDED). BIDDER TO INDICATE PRESENT RATE.	EXTRA AS APPLICABLE. PRESENT RATE @ .....%
08	EXCISE INVOICE TO AVAIL CENVAT BENEFIT BY BHEL	SHALL BE PROVIDED/ NOT PROVIDED	<input type="checkbox"/> <b>SHALL BE PROVIDED</b> <input type="checkbox"/> <b>NOT PROVIDED</b>
09	SALES TAX / VAT INCLUDING SURCHARGE, TURNOVER TAX ETC. <b>WITH CONCESSIONAL FORMS LIKE "C" / "D"</b>	EXTRA AS APPLICABLE ON THE DATE OF DISPATCH. BIDDER TO INDICATE PRESENT RATE.	EXTRA AS APPLICABLE. PRESENT RATE @ .....%
10	LOCAL TAX INVOICES	SHALL BE PROVIDED/ NOT PROVIDED	<input type="checkbox"/> <b>SHALL BE PROVIDED</b> <input type="checkbox"/> <b>NOT PROVIDED</b>
11	OCTROI / ENTRY TAX AT PLACE OF ORIGIN	<b>BIDDER TO INCLUDE IN QUOTED RATES</b>	<b>INCLUDED IN QUOTED RATE</b>
12	FREIGHT CHARGES UP TO DESTINATION	<b>BIDDER TO INCLUDE IN PRICE BID</b>	<b>INCLUDED IN QUOTED RATE</b>
13	TRANSIT INSURANCE CHARGES	UNDER BHEL'S OPEN MARINE POLICY. Consignor to intimate dispatch details to BHEL's Underwriter.	UNDER BHEL'S OPEN MARINE POLICY. Consignor will intimate dispatch details to BHEL's Underwriter.

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PUR-F 31/01  
ENQUIRY NO.09006 E

Date: 06/07/09

Page 6 OF 9  
DUE DATE: 27.07.09

SN	DESCRIPTION OF T&C	CONDITIONS AS REQUIRED BY BHEL	CONDITIONS AS OFFERED BY BIDDER
14	ANY OTHER CHARGES	<b>BIDDER TO INCLUDE IN QUOTED RATES</b>	<b>INCLUDED IN QUOTED RATE</b>
15	PAYMENT TERMS	AS SPECIFIED IN SN. 04 OF SPECIAL CONDITIONS	AS SPECIFIED IN SN. 04 OF SPECIAL CONDITIONS
16	MODE OF DISPATCH	BY ROAD	BY ROAD
17	NAME OF THE GOODS MANUFACTURER / PRINCIPALS	<b>TO BE INDICATED BY BIDDER</b>	
18	BRAND NAME OF PAINT	TO BE INDICATED BY BIDDER	1) 4) 2) 5) 3) 6) 7) 8) 9) 10)
19	AUTHORIZED DEALERSHIP CERTIFICATE, IF APPLICABLE	COPY TO BE FURNISHED BY BIDDER	NOT APPLICABLE
21	WARRANTY / GUARANTEE CONDITIONS	TO BE INDICATED BY BIDDER	AS PER SN-5 OF SPECIAL CONDITIONS OF CONTRACT
22	DATA SHEET OF ALL PAINTS/PRIMER	TO BE FURNISHED BY BIDDER	
23	PACKING SIZE OF THE CONTAINER	AS PER ANNEXURE-I	AS PER ANNEXURE-I
24a	CONTACT PERSON NAME		
24b	CONTACT PERSON PH NO		
24c	CONTACT PERSON EMAIL ADDRESS		

SIGNATURE & SEAL OF BIDDER

NOTE: PAGE 5 AND 6 OF 9 IS TO BE FILLED BY TENDERER AND SUBMIT ALONG WITH TECHNICAL BID

**PRICE BID FORMAT****BHARAT HEAVY ELECTRICALS LIMITED  
POWER SECTOR: WESTERN REGION: NAGPUR**

NAME OF THE BIDDER: \_\_\_\_\_

SELLER'S REF. No. \_\_\_\_\_ DATE: \_\_\_\_\_

ENQUIRY No.: 09006 E

DATED: **06.07.09****DUE DATE: 27.07.09**

S. N.	DESCRIPTION	1	2	3	4
A	ITEM DESCRIPTION AS PER ENQUIRY (PLEASE QUOTE THE BRAND NAME AND MODEL NUMBER)	SYNTHETIC ENAMEL-SKY BLUE-101	SYNTHETIC ENAMEL-SMOKE GREY- 692	SYNTHETIC ENAMEL-LIGHT BROWN -410	SYNTHETIC ENAMEL-SEA GREEN-217
B	QTY OFFERED	300 Ltrs	14200 Ltrs	200Ltrs	640 Ltrs
C	UNIT RATE				
D	CURRENCY				
E	DISCOUNT (%AGE & AMOUNT)				
F	DISCOUNTED UNIT RATE				
G	DISCOUNTED BASIC PRICE (G = B x F)				
H	PACKING & FORWARDING CHARGES				
I	EXCISE DUTY (PERCENTAGE AND AMOUNT)				
J	IMPORT DUTY (PERCENTAGE & AMOUNT)				
K	SALES TAX AS APPLI. WITHOUT C-FORM (PERCENTAGE & AMOUNT)				
L	FREIGHT UPTO DESTINATION				
M	TRANSIT INSURANCE				
N	OCTROI CHARGES / ENTRY TAX AT PLACE OF ORIGIN				
O	OCTROI CHARGES / ENTRY TAX AT DESTINATION				
P	<b>TOTAL PRICE AT DESTINATION ( SUM of 'G' to 'O')</b>				

**NOTES:**

1. PLESAE USE ADDITIONAL SHEETS IF NECESSARY
2. FURNISH FURTHER BREAK UP OF PRICE IF NECESSARY

SIGNATURE OF THE TENDERRER WITH SEAL

**PRICE BID FORMAT****BHARAT HEAVY ELECTRICALS LIMITED  
POWER SECTOR: WESTERN REGION: NAGPUR**

NAME OF THE BIDDER: \_\_\_\_\_

SELLER'S REF. No. \_\_\_\_\_ DATE: \_\_\_\_\_

ENQUIRY No. : 09006 E

DATED: **06.07.09****DUE DATE: 27.07.09**

S. N.	DESCRIPTION	5	6	7	8	9	10
A	ITEM DESCRIPTION AS PER ENQUIRY (PLEASE QUOTE THE BRAND NAME AND MODEL NUMBER)	SYNTHETIC ENAMEL- <b>LIGHT GREY-631</b>	SYNTHETIC ENAMEL- <b>GOLDEN YELLOW-356</b>	SYNTHETIC ENAMEL- <b>FIRE RED-536</b>	<b>HEAT RESISTANT ALUMINIUM PAINT</b>	<b>RED OXIDE ZINC PHOSPHATE PRIMER</b>	<b>GENERAL PURPOSE THINNER</b>
B	QTY OFFERED	<b>800 Ltrs</b>	<b>120 Ltrs</b>	<b>40Ltrs</b>	240LTRS	3300LTRS	2480LTRS
C	UNIT RATE						
D	CURRENCY						
E	DISCOUNT (%AGE & AMOUNT)						
F	DISCOUNTED UNIT RATE						
G	DISCOUNTED BASIC PRICE (G = B x F)						
H	PACKING & FORWARDING CHARGES						
I	EXCISE DUTY (PERCENTAGE AND AMOUNT)						
J	IMPORT DUTY (PERCENTAGE & AMOUNT)						
K	SALES TAX AS APPLI. WITHOUT C-FORM (PERCENTAGE & AMOUNT)						
L	FREIGHT UPTO DESTINATION						
M	TRANSIT INSURANCE						
N	OCTROI CHARGES / ENTRY TAX AT PLACE OF ORIGIN						
O	OCTROI CHARGES / ENTRY TAX AT DESTINATION						
P	<b>TOTAL PRICE AT DESTINATION ( SUM of 'G' to 'O')</b>						

**NOTES:**

- 1 PLESAE USE ADDITIONAL SHEETS IF NECESSARY  
2 FURNISH FURTHER BREAK UP OF PRICE IF NECESSARY

SIGNATURE OF THE TENDERRER WITH SEAL



**BHARAT HEAVY ELECTRICALS LIMITED****PSWR-NAGPUR****ANNEXURE-I****TECHNICAL SPECIFICATION OF PAINTS (PART OF TECHNICAL CUM COMMERCIAL BID)****ENQUIRY No. 09006 E****Date.06.07.09****DUE DATE: 27.07.09**

SL NO	COLOUR SHADE	MIN VOLUME OF SOLID REQUIRED BY BHEL	IS SPECIFICATION OF PAINT	QTY OF PAINT ( LTRS)	CONTAINER SIZE	VOS OFFERED BY BIDDER
1	Smoke grey to shed no. 692 of IS 5	MIN. 40%	Aliphatic Acrylic polyurethane finish paint	39600	STD PACK	
2	Grey	MIN. 60%	Inorganic ethyl zinc silicate primer to IS 14946	100	10 Ltrs	
3	Grey	MIN. 40%	Epoxy based Zinc Phosphate Primer to IS 13238	500	STD PACK	
4	Sky Blue (RAL Color Code 5015)	MIN. 40%	Chlorinated rubber based finish paint	800	STD PACK	
5	Oxide Red (RAL Color Code 3009)	MIN. 40%	Chlorinated rubber based finish paint	100	10 Ltrs	
6	Sea Green (RAL Color Code 6018)	MIN. 40%	Chlorinated rubber based finish paint	200	10 Ltrs	
7	Navy Blue (RAL Color Code 5014)	MIN. 40 %	Chlorinated rubber based finish paint	300	STD PACK	
8	Bluish Green (RAL Color Code 6004)	MIN. 40%	Chlorinated rubber based finish paint	500	STD PACK	
9	Heat Resisting Aluminium (RAL Color Code 9006)	MIN. 25%	Heat resistant synthetic medium based two pack Aluminium paint suitable up to 250° C	500	STD PACK	
10	Dark Admiralty Grey (RAL Color Code 7012)	MIN. 40%	Chlorinated rubber based finish paint	300	10 Ltrs	
11	Canary Yellow (RAL Color Code 1012)	MIN. 40%	Chlorinated rubber based finish paint	100	10 Ltrs	
12	Grass Green (RAL Color Code 6010)	MIN. 40%	Chlorinated rubber based finish paint	50	5 Ltrs	
13	Pure White (RAL Color Code 9010)	MIN. 40%	Chlorinated rubber based finish paint	100	5 Ltrs	
14	Signal Red (RAL Color Code 3001)	MIN. 40%	Chlorinated rubber based finish paint	100	5 or 10 Ltrs	
15	Jet Black (RAL Color Code 9005)	MIN. 40%	Chlorinated rubber based finish paint	200	5 or 10 Ltrs	
16	Cobalt Blue (RAL Color Code 5013)	MIN. 40%	Chlorinated rubber based finish paint	50	5 Ltrs	
17	Traffic Yellow (RAL Color Code 1023)	MIN. 40%	Chlorinated rubber based finish paint	50	5 Ltrs	
Thinner				3000		
Total				46550		

NOTE:

- 1) The paint should have high glossy finish confirming to relevant standard.
- 2) **Thinner and primer should be compatible with paints.**
- 3) **In case of discrepancy between color shade and RAL code, RAL code will prevail.**

SIGNATURE & SEAL OF BIDDER

ENGINEER/PURCHASE

NOTE: THIS SHEET IS TO BE FILLED BY TENDERER AND SUBMIT ALONG WITH THE TECHNICAL BID (FILL THE VOS OF THE OFFERED PAINT COLOUMN)

**BHARAT HEAVY ELECTRICALS LIMITED****PSWR-NAGPUR****ANNEXURE-II****TECHNICAL SPECIFICATION OF PAINTS (PART OF TECHNICAL CUM COMMERCIAL BID)****ENQUIRY No. 09006 E****Date.06.07.09****DUE DATE: 27.07.09**

Sl. No.	DESCRIPTION	F-1	F-2	F-3	F-4
1	Technical name	Acrylic Polyurethane finish paint	Chlorinated rubber based finish paint	Epoxy-High Build finish paint.	High build coaltar epoxy coating
2	Type and composition	Two- pack aliphatic isocyanate cured acrylic finish paint.	Single pack plasticized chlorinated rubber based medium with chemical and weather resistant pigments.	Two-pack F-6 A polyamine cured/ polyamide cured F-6B epoxy resin medium suitably pigmented	Two pack polyamide cured epoxy resin blended with coaltar medium suitably pigmented
3	Volume Solids (Approx.)	40%	40%	62%	65%
4	DFT (Dry Film Thickness) per Coat (Approx.)	30-40 $\mu$	40-45	100-125 $\mu$	100-125 $\mu$
5	Theoretical Covering capacity in M <sup>2</sup> /coat/litre (Approx.)	10-13	8-10	5-6	5.2-6.5
6	Weight per litre in kgs/litre (approx)	1.3	1.2	1.4	1.5
7	Touch dry at 30 <sup>0</sup> C (approx.)	1 hr.	30 minutes	3 hrs.	4 hrs.
8	Hard dry at 30 <sup>0</sup> C (approx.)	Overnight	8 hrs	Overnight	48 hrs.
9	Overcoating interval (approx.)	Min.: Overnight (12 Hrs.) Max.: Unlimited	Min.: Overnight Max.: Unlimited	Min.: Overnight Max.: 5 days	Min.: 24 hrs Max.: 5 days.
10	Pot life (approx.) at 30 <sup>0</sup> C for two component paints (approx.)	6-8 hrs.	Not applicable	4-6 hrs	4-6 hrs

\*Paint may be tested at site for the above mentioned specification.

**SIGNATURE & SEAL OF BIDDER**

NOTE: THIS SHEET IS TO BE SIGNED AND SEALED BY THE BIDDER AS A TOKEN OF ACCEPTANCE OF THE ABOVE.