## REQUEST FOR QUOTATION



BHARAT HEAVY ELECTRICALS LIMITED
Electronics Division
PB No. 2606, Mysore Road Bangalore - 560026
INDIA

RFQ NUMBER: KJHM900051

Due Date 21.JAN.2009 Time: 13:00 HRS

RFQ DATE: 18.DEC.2008

VENUE : **NEW ENGG. BLDG** 

(for all correspondence)

Purchase Executive : JAGADEESH K

Phone: 080-26742395

Fax: 00918026744227

E-mail: jagadeesh@bheledn.co.in

Please submit your lowest quotation subject to our terms and conditions attached for the material mentioned below. The quotation must be enclosed in a sealed envelope / Fax superscribed with RFQ no.and due date, should reach us on or before the due date by 13.00 hours IST and will be opened on the same day

- 1.TENDER / OFFER SHALL BE SUBMITTED IN TWO PARTS ie "TECHNICAL
  - BID" AND " PRICE BID" IN SEPARATE SEALED COVER.
- 2. QUOTATONS MAY BE OEM OR THEIR AUTHORISED DEALERS.
- 3. VENDOR IS EXPECTED TO HAVE ESTABLISHED SALES SERVICE AND SUPPORT NETWORK PRERABLY, IN INDIA.A LIST OF THE SAME NEEDS TO ENCLOSED WITH THE OFFER
- 4.A LIST OF REFERANCES INCLUDING CUSTOMER'S DETAILS LIKE
  - CONTACT, MACHINES INSTALLED, DATA OF INSTALATION IN INDIA AND
  - ABROD SHALL BE SUBMITTED, THAT ESTBLISHES THE SATICFACTORY
  - PERFORMANCE OF SUPPLIER'S EQUIPMENT FOR THREE YEARS.
- 5. VENOR IS ADVISED TO GO THROUGH THE TERMS AND CONDITIONS DOCUMENT CPD-00 ENCLOSED WITH RFQ.
- 6.BHEL RESERVES THE RIGHT TO "REVERSE AUCTION" BEFORE THE PRICE BID OPENING
- 7. VENDOR HAS TO CONFIM TO ALL THE CLAUSES LISTED IN THE TECHNO-COMMERCIAL TERMS(ANNEXURE-B OF DOCUMENT CPD-00). DEVIATIONS IF ANY, TO BE HIGHLIGHTED AND BROUGHT OUT CLEARLY.
- 8. VENDOR HAS TO CONFIRM ALL THE CLAUSES IN THE SPECFICATIONS.
- 9. DELIVERY REQUIRED: 31-03-2009
- $10.\mathsf{TERMS}$  OF PAYMENT :90% IN 30 DAYS FROM THE DATE OF RECEIPT & ACCEPTANCE OF MATERIAL,BALANCE 10% AGAINST SUBMISSION PBG.

1

Sl No.	Description	Qty	Unit	Delivery qty	Delivery Date
	CU9095003035 Off-load Isolators as per PS-445-088		LOT		31.MAR.2009
1	DRW PS-445-088 00	1		1	

## Total Number of Items -

Please note that the tender will be opened in the presence of the bidders or his authorised representatives (maximum two per organisation) who choose to be present with authorisation letters. Refer annexure for the terms and conditions.

Preference will be given to vendors who accepts our standard payment terms i.e.100% payment - 30 days after receipt of material at our works subject to acceptance.

Please specify Terms of delivery, Excise duty, sales tax, Ex-BHEL, Ex-works surcharge, Insurance, P&F, Freight and other taxes very clearly

- i). This is only RFQ not an order.
- ii). In all correspondence quote RFQ No. & due date.
- iii). In Quotation BHEL material code / RFQ Sl. No. should be mentioned clearly.
- iv). Quotation Envelope / Fax not superscribed with RFQ No.and due date is liable for rejection.
- v). Quotation should remain valid for a minimum peiod of 90 days from due date.
- vi). In case of non-receipt of Quotation or regret letter for 3 consecutive RFQs you are liable to be removed from our vendors list.
- vii). All Prices should be written in words and numbers.
- viii). Excise Chapter Heading should be mentioned for all items where VAT is applicable .

Vendors list to whom RFQ has been sent:

1. BHEL, Electronics Division (X563699) - 6200017217

For and On behalf of BHEL.



## **PURCHASE SPECIFICATION**

**GROUP: TRACTION ENGINEERING** 

P.S NO. : PS/445/088

**REV. NO: 00** 

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## SPECIFICATION FOR MANUALLY OPERATED OFF LOAD DISCONNECTOR WITHOUT EARTHING SWITCH IN METAL ENCLOSED PANEL

1. QUANTITY REQUIRED/ : 17 NOS.

2. CUSTOMER

: BHEL/EDN, BANGALORE

3. PROJECT

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: CENTRE OF EXCELLENCE (COE)

4. NO OF POLES (PHASES)

: 3

5. NO OF POSITIONS

: 2(ON/OFF TYPE) - Q14/Q15 CHANGEOVER TYPE

6. REFERENCE STANDARDS LATST REVISIONS)

: SWITCH IN ENCLOSURE SHALL COMPLY TO: IS 9921-SPECIFICATION FOR ALT-CURRENT DISCONNECTORS (ISOLATORS) AND EARTHING SWITCHES FOR VOLTAGES ABOVE 1000 VOLTS.

IS 3427-METAL ENCLOSED SWITCHGEAR AND CONTROL GEAR FOR VOLTAGES ABOVE 1000V BUT NOT

EXCEEDING 11KV.

5. RATED VOLTAGE RATED CURRENT RATED FREQ/PHASE

: SEE ANNEXURE 1 SEE ANNEXURE 1 : 50 Hz, 3 PHASE

AND HUMIDITY

7. AMBIENT TEMPERATURE : 50 DEG C MAX/100% RH NON CONDENSING

8. RATED SHORT TIME : 25 KA RMS FOR 3 SECONDS CURRENT RATING

IMPULSE WITHSTAND

9. POWER FREQ WITHSTAND/ : AS PER IS - VALUES TO BE SPECIFIED FOR:

A) LINE TO EARTH (FRAME)

B) ACROSS POLES

C) ACROSS THE ISOLATING DISTANCE.

IMPULSE WITHSTAND

FOR Q14/Q15

10. POWER FREQ WITHSTAND/ : SIMILAR TO ABOVE. SHALL ALSO BE APPLICABLE FOR LIVE POSTS OF EACH SWITCH AND BETWEEN

SWITCHES IN ON/OFF POSITIONS.

APPROVED BY S.K.IYENGAR

1. K.Ln-

PREPARED BY
V SESHADRI

ISSUED BY

TRACTION ENGG.

DATE 29/11/2008



## PURCHASE SPECIFICATION

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11. ENCLOSURE (INDOOR-IP51) : FREE STANDING METALCLAD CRCA STEEL ENCLOSURE.STEEL THICKNESS 3MM. BASE CHANNEL OF HEIGHT 100mm SUITABLE FOR TAG WELDING TO THE MS INSERT EMBEDDED IN THE FLOOR.CUTOUT TO BE GIVEN ON DOOR WITH TOUGHENED GLASS AND BEADING TO VIEW CONTACTS OUTSIDE. SEPARATE METERING CHAMBER WITH PARTITIONS SHALL BE PROVIDED.NEOPRENE RUBBER GASKETS TO BE PROVIDED ON BOLT ON COVERS, DOORS, CABLE GLAND PLATES AND ALL OTHER PLACES WHEREVER FOUND NECESSARY. THE POWER TERMINALS SHALL BE AT LEAST 750MM FROM CABLE GLAND

PLATE.STEEL THICKNESS 3MM FOR FRONT DOOR AND METERING CHAMBER DOOR.OTHERS 2MM.

IT IS PREFERABLE THAT HEIGHT OF PANELS SHALL BE IDENTICAL IN ALL CASES (PARTICULARLY 1 - 15)

12. PAINTING

ELECTRICALS LIMITED

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2 COATS OF PRIMER AND 2 COATS OF FINISH PAINT TO BE GIVEN FOR ALL SURFACES OF ENCLOSURE. PAINT SHALL BE EPOXY BASED OUTSIDE: FRONT & REAR - RAL 9002 GREY.

> END COVERS - RAL 5012 BLUE. POWDER COATED WITH MATT FINISH

INSIDE : FRONT & REAR - RAL 9002 GREY.

END COVERS - RAL 5012 BLUE. POWDER COATED WITH GLOSSY FINISH

PAINT THICKNESS: 60 MICRONS MIN. PAINT SHALL BE AIR DRYING TYPE.

13. DIMENSIONS : AS PER MANUFACTURER'S STANDARD.

14. CABLE ENTRIES

ALL CABLE ENTRIES BOTH POWER AND CONTROL SHALL BE BOTTOM ONLY.FOR POWER CABLES, 6MM THICK ALUMINIUM DETACHABLE GLAND PLATE OF ADEQUATE AREA TO BE GIVEN. CABLE SIZES, AND NUMBER OF RUNS PER PHASE WILL BE GIVEN DURING DRG APPROVAL STAGE. FOR CONTROL CABLES, DETACHABLE STEEL OR 6MM ALUMINIUM GLAND PLATE TO

BE PROVIDED.

(MINIMUM SIZE)

15. MAIN BUSBARS : ELECTROLYTIC GRADE TINNED COPPER - CURRENT

1.3A/mm<sup>2</sup> MAXIMUM.

16. EARTH BUSBARS (MINIMUM SIZE)

: 25\*10MM ELECTOLYTIC GRADE TINNED COPPER.FACILITY FOR EXTERNAL EARTHING AT 2 PLACES TO BE PROVIDED.

17. OPERATION

IT SHALL BE POSSIBLE TO OPERATE SWITCH FROM THE FRONT OF THE ENCLOSURE BY USING THE DETACHABLE

MANUAL HANDLE.

18. LIST OF SPARES : SEE ANNEXURE-1

:

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19. TESTING

: ALL THE SWITCHES IN ENCLOSURE COMPLETELY ASSEMBLED SHALL BE ROUTINE TESTED AS PER IS 9921(LATEST REVISION) PART-4

20. ACCESSORIES

- : A) 1 NO DETACHABLE TYPE OPERTAING HANDLE FOR EACH SWITCH
  - B)MECHANICAL ON/OFF INDICATOR ON ENCLOSURE FRONT
  - C)6NO +6NC AUX CONTACTS RATED 5AMPS 230V DC.ALL CONTACTS SHALL BE WIRED TO TBS.
  - D)1 NO 3 PH POTENTIAL TRANSFORMER WITH FUSES CLASS E INSULATION, VECTOR Yyn0.
    PRIMARY \*\*\* KV L-L RMS
    SECONDARY 110V L-L RMS
    RATING 100 VA. FUSES TO BE INTEGRAL WITH
    PT. NONDRAW OUT CAST RESIN PT TO BE
    OF CLASS 1.0. HV NEUTRAL OF THE PT SHALL BE
    INSULATED TO FULL LINE VOLTAGE.
    NUETRAL BUSHING IS NOT REQUIRED

PT SECONDARY r,y,b,n CONNECTION TO BE BROUGHT OUT TO EXTERNAL TBs FOR REMOTE MEASUREMENTS.

MAKE: PRAYOG/PRAGATI/AE/KAPPA/INSTRANS

- :E)3 NOS DUAL CORE CURRENT TRANSFORMER BAR PRIMARY. THE BAR PRIMARY TO BE CAPABLE OF CARRYING 40 KA FOR 1 SEC DURING FAULT. CT WORKING VOLTAGE \*\*\* KV, RESIN CAST, INSULATION CLASS: E
  CORE 1: 10 VA CLASS 1 METERING +++/1 AMP TERMINAL DESIGNATION 1S1, 1S2.
  CORE 2: 10 VA 5P10 PROTECTION CLASS +++/1A TERMINAL DESIGNATION 2S1, 2S2.
  MAKE: PRAYOG/PRAGATI/AE/KAPPA/INSTRANS
- :F)THREE ELEMENT INSTANTANEOUS OVERCURRENT ATTRACTED ARMATURE TYPE RELAY. QTY 1 NO. RATING:1 AMP. APPLICATION - 3 OVER CURRENT. TYPE CAG37 M/S ALSTHOM MAKE.RELAY ELEMENTS SELF RESET. FLAGS HAND RESET. SIZE 1D VERTICAL. RANGE 40 - 2000%. FLUSH MOUNTING. THIS RELAY IS FED FROM CORE 2 OF CTS ABOVE
- :G)AMMETER SELECTOR SWITCH QTY: 1NO
  KAYCEE MAKE SRP136MA60 WITH INDICATING PLATE
- :H)VOLT METER SELECTOR SWITCH QTY: 1NO KAYCEE MAKE SRP135VS WITH INDICATING PLATE
- :I)INDICATING LAMP "ON" RED :SIEMENS MAKE 110VDC INDICATING LAMP "OFF" GREEN :SIEMENS MAKE 110VDC

NOTE: ALL INDICATING LAMPS SHALL BE HIGH INTENSITY WIDE BAND LED-PILOT LIGHTS.

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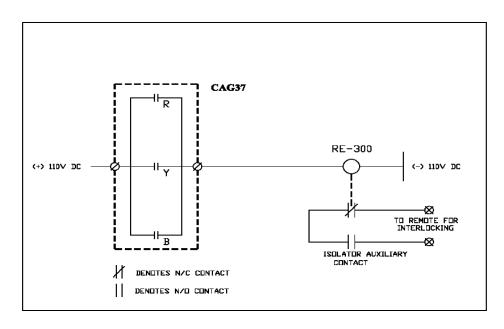
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J) AMMETER MOVING COIL RECTIFIER TYPE (FLUSH MOUNTED). FED FROM CTs OF CORE 1 GIVEN IN (E) ABOVE. 240 DEGREES DEFLECTION.

ACCURACY CLASS: 1.5 96x96 SQ.MM FLUSH MOUNTING. SCALE 0-+++ AMPS. SUPPRESSED SCALE 1:5 AMPS. MAKE: MECO/AE

K) VOLTMETER MOVING COIL RECTIFIER TYPE (FLUSH MOUNTED).
FED FROM PTs. ACC CLASS 1.5
240 DEGREES DEFLECTION.96x96 SQ.MM FLUSH MOUNTING.
SCALE 0-\*\*\*KV. INPUT 0-110V AC RMS. METER IS FED
FROM P.T IN POINT (D) ABOVE.
MAKE: MECO/AE

L) 1 NO JYOTHI MAKE RE 300 RELAY WITH PLUG IN BASE EVV-310. COIL VOLTAGE 110V DC. WIRING TO BE DONE AS BELOW.



- M) 3 NOS CURRENT TRANSDUCERS DUAL OUTPUT (4-20mA) ONE PER PHASE CONNECTED TO CORE 1 OF CTs ABOVE. AUXILIARY VOLTAGE: 240V AC.
- N) 1 NO VOLTAGE TRANSDUCERS DUAL OUTPUT (4-20mA) R-Y PHASE. CONNECTED TO PT ABOVE. AUXILIARY VOLTAGE: 240V AC.
- O) 230V AC ILLUMINATION LAMP CKT WITH 2 POLE KAYCEE MAKE ON/OFF SWITCH AND FUSE/LINK.
- P) 230V AC PANEL HEATER CKT WITH 2 POLE KAYCEE MAKE ON/OFF SWITCH AND FUSE/LINK.

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## GENERAL:

- 1) ALL WIRING FOR CT CIRCUITS TO BE DONE WITH 2.5 SQ.MM PVC STRANDED COPPER WIRE. ALL OTHER CONNECTIONS ARE WITH 1.5 SQ.MM CABLE.

  COLOUR CODES MUST BE FOLLOWED FOR METERING AND PROTECTION CIRCUITS.
- 2) ALL HARDWARES SHALL BE GRADE 8.8 ZINC PLATED PASSIVATED TYPE.
- 3) CABLE LUGS FOR POWER CABLES (TINNED COPPER CRIMPING TYPE) SHALL BE INSTALLED IN PANEL WITH ALL NECESSARY HARDWARES. LUGS SHALL BE SUITABLE FOR CRIMPING TO ALUMINIUM CONDUCTOR STRANDED CABLE.
- 4) FACILITY FOR PADLOCKING REQUIRED GODREJ NAVTAL LOCK-6 LEVERS LOCKING OF ISOLATOR LEVER IN OFF POSITION AND LOCKING OF CUBICLE DOORS TO BE PROVIDED. LOCKS TO BE PROVIDED WITH 2 KEYS.
- 5) LIMIT SWITCH FOR DOOR INTERLOCK BCH MAKE LL1 75mm LEVER TO BE PROVIDED. CONTACTS TO BE WIRED TO TB.
- 6) AN IDENTIFICATION PLATE HAS TO BE FIXED ON THE FRONT AND REAR OF EACH PANEL. DETAILS WILL BE GIVEN DURING DRAWING APPROVAL STAGE.
- 7) ALL CT CONNECTIONS TO BE TAKEN THRO ELMEX MAKE TBS WITH LINKS TYPE CATDM4.
- 8) INCOMING AND OUTGOING POWER CABLES ALUMINIUM, XLPE, ARMOURED NUMBER OF RUNS AND SIZE WILL BE PROVIDED DURING DRAWING APPROVAL STAGE.
- 9) IDENTIFICATION PLATES SCREWED ON EDGE OF CABLE GLAND PLATE INDICATING THE SOURCE AND DESTINATION OF INCOMING AND OUTGOING CABLES TO BE PROVIDED. DETAILS WILL BE PROVIDED DURING DETAILED ENGINEERING.

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WITH OFFER

- 21. INFORMATION REQD. :A) SKETCH/DRG SHOWING DIMENSIONS AND AND WEIGHT OF DISCONNECTOR IN ENCLOSURE WITH SPACE REQUIRED AT FRONT AND REAR FOR MAINTENANCE.
  - B) CATALOG OF DISCONNECTOR
  - C) OPERATION AND MAINTENANCE MANUAL - 1 COPY
  - D) COPY OF TYPE TEST CERTIFICATES.
  - E) FILLED UP DATA SHEET (ANNEXURE -2)
  - F) ANY DEVIATIONS TO THIS SPECIFICATION. IN CASE THERE IS NO DEVIATION, THE SAME SHALL BE EXPLICITLY MENTIONED BY VENDOR.
  - G) PRICES TO BE QUOTED WITH SPARES LIST (ITEMWISE)
  - H) STANDARD MANUFACTURERS SAFETY INTERLOCKS PROVIDED
  - I) QUALITY PLAN
  - J) UNPRICED PRICE BID WITH ITEMWISE QTY OF SPARES.
  - K) REFERENCE LIST OF CUSTOMERS WHERE SIMILAR RATING OF ISOLATORS HAVE BEEN SUPPLIED AND COMMISSIONED
  - L) DETAILED SKETCH FOR ISOLATORS 014 AND 015 SHOWING BUSBAR ARRANGEMENT AND MECHANICAL INTERLOCKING FEATURE.
- 22. INFORMATION REQD AFTER ORDER (FOR SUCCESSFUL VENDOR)
- : FILLED UP DATA SHEET (FINAL) AS IN ANNEXURE -3
- : 4 COPIES OF ALL DRAWINGS (GA, SCHEMATICS, BILL OF MATERIAL, TYPE TEST PROCEDURE ETC) FOR APPROVALS
- : CALCULATION FOR BUSBAR SIZING
- : 4 COPIES OF FINAL DRGS
- : 3 COPIES OF TEST CERTIFICATES FOR EACH DISCONNECTOR
- : 4 COPIES OF O&M MANUAL
- : FINAL DRGS IN PDF FORMAT IN CD-ROM



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## ANNEXURE - 1

## RATINGS OF ISOLATORS

		Isolator		
sl.	Refer-		Curre	
No.	ence	Voltage	nt	Location
1	Q1	11000	250	Input of 3 Level IGBT VFD under test
2	Q2	11000	250	Input of 3 Level IGBT VFD under test
3	Q3	6600	400	Output of 3 Level IGBT VFD under test
4	Q4	3300	630	Output of AC Loco / Diesel Loco (under Test)
5	Q5	3300	1600	Input of AC Loco / AC EMU (under Test)
6	Q6	3300	1600	Input of AC Loco / AC EMU (under Test)
7	Q7	3300	630	Output of Rectifier Bridge
8	Q8	3300	630	Output of DEMU (under Test)
9	Q9	3300	630	Input of DEMU (under Test)
10	Q10	690	1250	Input of LV VFD
11	Q11	3300	630	Input of LCI Channel (under Test)
12	Q12	3300	630	Output of LCI Channel (under Test)
13	Q13	11000	25	Output of 100KVA Transformer
14	SW1	3300	630	Input of LCI Channel
15	SW2	3300	630	Input of LCI Channel (under Test)
16 & 17	014/015	6600	630	Changeover type - mechanically interlocked so that only one can be closed at a time. Both Isolators can be in OFF position. The following accessories listed in Point 20 - D, E, F, G, H, J, K, L, M, N are not required as these Isolators are used in DC circuit.

- Use values as per the voltage rating in the above chart - Use values as per the current rating in the above chart

The Vendor shall offer his standard range of Isolators and shall match the voltage and current ratings given above. The offer shall clearly indicate the rating and type number of Isolator offered for each of the above requirements.

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## ANNEXURE - 2

A) CLOSING SPRING : 2 NOS OF EACH TYPE

B) OPENING SPRING : 2 NOS OF EACH TYPE

C) P.T WITH FUSES COMPLETE : 1 NO OF EACH TYPE

D) MOVING CONTACT ASSEMBLY : 2 SETS OF EACH TYPE

E) P.T FUSES : 3 NOS OF EACH TYPE

F) FIXED CONTACT ASSEMBLY : 2 SETS OF EACH TYPE

G) INSULATOR : 3 OF EACH TYPE

H) AMMETER : 2 NOS OF EACH TYPE

I) VOLTMETER : 2 NOS OF EACH TYPE

J) AMMETER SEL SWITCH : 2 NOS

K) VOLTMETER SEL SWITCH : 2 NOS

L) INDICATING LAMP (WIDE BAND LED TYPE): 6 NOS (3 RED+ 3 GREEN)

WITH HOLDER COMPLETE

M) DUAL CORE CT : 1 NO OF EACH TYPE

N) CAG 37 3 0/C RELAY : 3 NOS

O) 110V DC RE-300 JYOTHI MAKE RELAY : 3 NOS

P) AUXILLARY CONTACT BLOCK FOR : 2 SETS OF EACH TYPE

DISCONNECTOR

Q) CURRENT TRANSDUCER : 2 NOS OF EACH TYPE

R) VOLTAGE TRANSDUCER : 2 NOS OF EACH TYPE

S) DOOR LIMIT SWITCH : 4 NOS

The Vendor shall clearly indicate in the offer the different types and quantities used in the main equipment while offering Spares.

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## ANNEXURE - 3

## DATA SHEET

1) NAME OF MANUFACTURER

2) PLACE OF MANUFACTURE :

3) TYPE NO.OF SWITCH

4) SHORT TIME RATING @11KV RMS

IN KA RMS @ 50 DEG C AT 1 SEC.

AT 3 SECS.

5) RATED CURRENT RMS

6) WHETHER DIMENSIONAL SKETCH/ : YES/NO

DRG ENCLOSED WITH WEIGHTS AND WITH DETAILS.

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7) WHETHER DEVIATIONS TO SPEC : YES/NO

ENCLOSED.IF NO DEVIATIONS

INDICATE THE SAME.

8) WHETHER OPERATION & MAINTENANCE : YES/NO

MANUAL & CATALOG ENCLOSED

9) SIZE OF BUSBARS (TINNED ELECTROLYTIC GRADE COPPER) : MAIN -

EARTHING -

10) CONFIRM BOTTOM OF PANEL

CAN BE TAG WELDED TO CHANNEL/

ANGLE EMBEDDED IN CONCRETE

FLOOR

11) CLEARANCES : LINE TO LINE in MM

LINE TO EARTH in MM

12) WHETHER TYPE TEST CERTICATES : YES/NO

FOR OFFERED SWITCH ENCLOSED

13) CONFIRM SPARES WILL BE DESPATCHED: YES/NO

WITH MAIN EQUIPMENT

14) VALUE OF RESISTANCE PER POLE :

(Ru AS PER IS 9921 PART4)

FOR EACH RATING OF ISOLATOR

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## ANNEXURE - 4

## PRE QUALIFICATION CRITERIA

- 1. The vendor shall be an Original Equipment Manufacturer (OEM). Only the OEM or their authorized dealers along with an authorization letter can submit offers. An authorized Representative/Dealer cannot quote for the same equipment from more than one OEM.
- Offer shall be for a new equipment and not for any refurbished / used equipment. All the parts used in the equipment shall also be new and not used / refurbished ones. A declaration to the above effect to be furnished.
- The vendor should have the capability to design Isolators and their Panels. He should have already supplied and installed 3 nos. of similar Panels in India during the past 5 years and these must be operating satisfactorily for at least past one year. The details of the customers with contact details, date of installation etc. to be provided.
- The vendor or their authorized service representatives shall have trained engineers for commissioning & service for the offered equipment and shall be in a position to provide prompt after sales service and spares support for our installations.
- The vendor shall be in a position to undertake AMC or provide service support for the equipment supplied, after the expiry of the warranty / quarantee period either directly or through a service representative.
- The vendor shall furnish a comprehensive warranty for at least 12 months from the date of commissioning.

## Note:

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- Pre qualification will be carried out based on the details furnished by the vendor / feedback from their customers / inspection of the company / product if required by BHEL and at its sole discretion.
- The Pre qualification criteria are mandatory requirements and the technical bids will be evaluated only when the Pre Qualification criteria are met.





## **Bharat Heavy Electricals Ltd.,**

(A Government of India undertaking)

## **Electronics Division**

PB No.2606, Mysore Road, Bangalore-560026, India

Ph: +91-80-26742974 / 26998663

Fax: +91-80-26740138

## General Terms & Conditions for Supply of Imported & Indigenous Capital Items (Two part bid)

Bidders are required to read the general terms & conditions carefully and submit their quotation covering all the points. Any order resulting from this enquiry shall be governed by the general terms and conditions listed below.

- 1. TWO PART BID: Quotation shall be submitted in two part bid i.e.
  - a) Techno-commercial i.e., Un-priced Bid: Techno-commercial bid shall be submitted with complete description of the equipment, specification compliances to the enquired specification and all the commercial terms & conditions indicated in the QUOTATION FORMAT (ANNEXURE A / ANNEXURE B) preferably in the same format. Any other enclosure, which the supplier wishes to submit like product catalogue, technical literature etc., may also be submitted in a sealed envelope super scribed clearly as "TECHNO-COMMERCIAL BID" with RFQ No. and DUE DATE. Un-priced copy of price bid (without price) shall also be enclosed with the techno-commercial bid i.e. a copy of the price bid without prices.

Confirmation to BHEL specifications shall be indicated by the vendor in the respective columns provided in the purchase specification wherever applicable. Deviations to the specification / item description, if any shall be brought out clearly indicating "DEVIATION TO BHEL SPECIFICATION" without fail as a part of technical offer.

Compliance to Pre-qualification criteria (if applicable) shall also be enclosed with the Techno-commercial bid.

Manufacturer's name, their trade mark and brand if any, should be invariably mentioned in the tender and illustrative leaflets giving technical particulars etc., are to be attached to the tender to facilitate consideration of the offer.

## b) Price Bid:

Price bid should contain basic unit prices, discount if any, applicable taxes & duties, packing & forwarding charges (if applicable), Freight & insurances (if applicable) FOB charge (if applicable) etc., in a sealed envelope super scribed clearly as "PRICE BID" with RFQ No. and DUE DATE. Installation, commissioning, start-up and training charges (if any) shall also be included in the price bid.

Please indicate the rates in both figures and words. However in case of difference / discrepancy, the rates indicated in figures shall be considered as correct.

Both these sealed envelopes [(a) Techno-commercial i.e., un-priced Bid and (b) Price Bids] shall be kept in a single sealed envelope and superscribed clearly with **RFQ No. and DUE DATE.** 



- 2. The above sealed envelope (Tender) shall reach our office on or before the due date by 13:00 hrs. Quotations are to be dropped in the tender box marked for the OPENING ON respective days i.e., MONDAY / WEDNESDAY / FRIDAY kept at BHEL-EDN's Reception area of our works with caption "CE, M&C, SC&PV, TSC, DEFENCE, TELECOM, CPD". Quotations also can be dispatched by Couriers / Registered post / FAX / e mail to the Purchase Executive indicated in the RFQ. Late Tenders i.e. Tenders received after due date & time are liable to be rejected.
- **3.** The rates quoted against each item shall be in the same units stated in the enquiry. If the quotations are submitted in any other unit than specified, relationship between two sets of units must be furnished in the offer.
- **4.** As far as possible, the quotations shall be free from corrections / overwriting. Corrections if any should be initialed with your seal and signature. Any typographical errors, totaling mistakes, currency mistakes, multiplication mistakes, summary mistakes observed in your priced bids, BHEL may consider whichever is beneficial to BHEL for evaluation.
- **5.** Quotations are to be duly signed. Unsigned bids/offers are liable for rejection.
- **6.** All the bidders or their authorized representatives (with authorization letter from their principals) can witness opening of techno-commercial bid on the due date.
- **7.** After evaluation of techno-commercial bids, price bids of only those which are technically & commercially accepted, will be opened on a subsequent date, which will be intimated to the concerned in advance for witnessing of price bid opening.
- **8.** The quantities in each item to be purchased may vary from quantities enquired according to the actual requirement at the time of placing the purchase order. Quantity discount if any should be mentioned in your offer.
- 9. BIDDERS (for indigenous purchase) shall indicate clearly Excise duty, Education cess, Sales Tax/VAT, Octroi, Entry tax, Service Tax as applicable for the quoted items. In the absence of clarity of these, any claim at a later date will not be entertained. Any changes in Taxes and duties after award of the contract will not be considered except such are those, which are imposed by Govt., notification within the contractual delivery. Seeking price amendments for change in Excise duty due to crossing of turnover limits will not be considered under any circumstances.
- 10. <u>TOTAL COST TO BHEL:</u> Purchase order will be placed on the lowest bidder (L1) only among the technically & commercially accepted offers. Lowest Bid (L1) is determined on the basis of the total cost to BHEL.

## (a) FOR FOREIGN PURCHASE:

Total cost to BHEL = Total basic value in foreign currency + FOB charges (if any) + Packing & Forwarding charges (if any) + Cost Insurance Freight (CIF) + Basic Custom Duty (BCD) + Counter Veiling Duty (CVD) + Educational Cess + Special Additional Duty (SAD) + Entry TAX + Service TAX (if applicable) + Loading factors for deviations to commercial terms & conditions.

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Note: Exchange rate ruling on the date of Tender opening (Techno-commercial / un-priced Bid) will be considered for converting foreign currency to Indian currency. Exchange rates published in Economic Times (TT selling) will be considered.

## (b) FOR INDIGENOUS PURCHASE:

Total cost to BHEL = Total basic value + Packing & forwarding charges + Excise duty Education cess + sales Tax/VAT + Octroi + Exit/Entry tax + Freight & Insurance + Service Tax (if applicable) + Loading factors for deviations to commercial terms & conditions.

**11. <u>FIRM PRICE</u>**: Rates quoted should be firm and no enhancement in the rates and changes in the techno-commercial terms will be allowed once the quotation is accepted and order is placed.

If Installation & Commissioning is in supplier's scope, then the price shall remain FIRM till commissioning & handing over of the complete system.

## 12. TERMS OF PAYMENT:

## (a) FOR FOREIGN PURCHASE:

Payment will be made against "SIGHT DRAFT" on presentation of documents to our bankers. Payment through LC is also made subject to loading factors as per Clause 26 (Ai).

The payment terms are as follows:

- a) 100% against complete dispatch documents i.e. AWB / BOL, Invoice, Packing list, Nil shortage certificate, Certificate of country of origin etc., (where commissioning & warranty is NOT involved).
- b) 90% against complete dispatch documents i.e. AWB / BOL, Invoice, Packing list, Warrantee certificate, Nil shortage certificate, Certificate of country of origin etc., & 10 % on submission of Performance Bank Guarantee (PBG) (where commissioning is NOT involved).
- c) 75% against complete dispatch documents i.e. AWB / BOL, Invoice, Packing list, Warrantee certificate, Nil shortage certificate, Certificate of country of origin etc., 15% on successful installation, commissioning and start-up trials & 10% on submission of Performance Bank Guarantee (PBG).
- d) If PBG is not submitted by the vendor, then the final 10% payment will be made against submission of supplementary invoice after warranty period + 6 months of claim period.

## (b) FOR INDIGENOUS PURCHASE:

- a) 100% within 30 days from the date of receipt of equipments / materials (where commissioning & warranty is NOT involved).
- b) 90% within 30 days from the date of receipt of equipments & balance 10% against submission of PBG (where commissioning is NOT involved).
- c) 75% within 30 days from the date of receipt of equipments, 15% after the successful installation, commissioning & start-up trials & balance 10% against submission of PBG (wherever commissioning & warranty are involved).



- d) If PBG is not submitted by the vendor, then the final 10% payment will be made against submission of supplementary invoice after warranty period + 6 months of claim period.
- 13. <u>ADVANCE PAYMENT:</u> Quotations with payment terms of "Advance" or "Inland Letter of Credit" will not be considered and such offers are liable for rejection commercially.
- **14. PENALTY:** Failure to supply the item within the delivery date specified in the purchase order will make the supplier liable to an unconditional penalty of ½% (One half percent) of the basic value of the goods in arrears per week subject to a maximum of 10%.

If pre-shipment inspection is involved, date of issue of pre-shipment call by the vendor along with test certificates / test reports / certificate of conformance / calibration reports as proof of completion will be treated as date of dispatch for the purpose of penalty calculation.

In the absence of reports stated above, actual date of inspection will be considered as date of dispatch for penalty calculation.

**15.** PBG: Performance Bank Guarantee (PBG) to be submitted as per the BHEL prescribed format given in **ANNEXURE - D / ANNEXURE - E** for 10% of the basic equipment value obtained from any BHEL member banks.

PBG shall be valid for 12 months from the date of commissioning or 18 months from the date of dispatch whichever is earlier. The PBG shall also have 6 months claim period from the date of dispatch / commissioning.

The Bank Guarantee shall be submitted directly to the concerned Purchase Executive by the issuing Bank with their forwarding letter.

**16. WARRANTY:** Goods dispatched shall have warranty period of 12 months from the date of dispatch or as mentioned in the RFQ.

## 17. TERMS OF DELIVERY:

## (a) FOR IMPORTED PURCHASE:

Price offered shall be for goods packed and delivered **F.O.B.** (named international Airport) including packing, forwarding, Handling, Ancillary charges like processing of Sight Draft, Letter of credit (L/C) if applicable, negotiation of bank documents, Export declaration, Certificate of origin etc.

Packing shall be Airworthy & Roadworthy, best suitable for trans-shipment and to prevent transit damages.

Vendors shall indicate the name of International Airport.

Note: Name of International Airport has to be selected from any one of the airports indicated in the table provided in **ANNEXURE - C** herewith.

## (b) FOR INDIGENOUS PURCHASE:

Equipment shall be delivered on EX-EDN/BHEL, Bangalore basis, inclusive of packing & forwarding charges.

Packing shall be Road / Air / Rail worthy, best suitable for transshipment and to take care of transit damages.



Dispatch the consignments through EDN/BHEL approved transporters on Door Delivery basis furnished below.

- 1. M/s Awagaman Road Carriers ltd., Bangalore. (AWG)
- 2. M/s BLR India pvt., ltd., Bangalore. (BLR)
- 3. M/s Delhi Assam Roadways corporation ltd., Bangalore. (DRL)
- 4. M/s Indo Arya Central transport ltd., Bangalore. (IACT)
- 5. M/s Prakash parcel Services, Bangalore. (PPS)
- 6. M/s Road Carrier of India, Bangalore. (RCI)
- 7. M/s Union Roadways ltd., Bangalore. (URL)

Small consignments can be dispatched through M/S First Flight Couriers Ltd.

Transit insurance shall be arranged by BHEL. Vendor shall intimate the dispatch details to BHEL immediately after effecting shipment, to arrange transit insurance accordingly.

- **18.** <u>DELIVERY REQUIREMENT:</u> Equipment shall be delivered, as per the delivery schedule indicated in the RFQ.
- 19. <u>VALIDITY:</u> Quotation should remain valid for a period of **90 days** from the date of technical bid opening.
- **20.** BHEL reserves the right to RE-FLOAT/REJECT/CANCEL the TENDER ENQUIRY (RFQ) without assigning any reason or cause thereof. Quotes received against this TENDER ENQUIRY are subject to and governed by all these terms and conditions. BHEL's decision will be final in awarding of the contract and binding on all vendors.
- **21. REVERSE AUCTION:** BHEL reserves the right to resort to reverse auction / online Bidding before opening of price bid.

## 22. POST-ORDER REQUISITES:

- a) Pre-shipment inspection at vendor's works, if required, will be carried out by BHEL. Required assistance will have to be provided by the vendor at the time of pre-shipment inspection.
- **b)** Test certificates, Calibration certificates and warranty certificates as stipulated at the time of ordering shall be furnished.
- **c)** Items shall be dispatched by Air/Road/Sea worthy packing. Any damage and later rejection, due to poor / improper packing shall be to supplier's account.
- **d)** Any damage/rejection should be made good or replaced immediately without any extra cost to BHEL.
- **e)** Wherever commissioning is involved, it shall be carried out by the vendor's qualified engineers. Scope of work includes installation, commissioning and start-up trials till satisfactory performance level is reached as certified by BHEL.
- f) BHEL will not be responsible for any loss, damage or injuries to vendor's personnel sustained during installation / commissioning / start-up trials. Vendor shall ensure compliance with all statutory requisites as laid down by local bodies, state & Central Government.
- **g)** Performance Bank Guarantee to be executed on Rs.100/- non-judicial stamp paper as per BHEL prescribed format as given as Annexure (c).



- **23.** Any dispute arising out of this contract shall be referred to the sole arbitration of Head of Materials Management, Control Equipment, BHEL, EDN, Bangalore or any other officer nominated by him and his decision shall be final and binding on the parties. The venue of the arbitration in all cases shall be Bangalore.
- 24. All suits in respect of the above lie in the court of Jurisdiction of Bangalore (India) only.
- 25. Equipment shall comply with the standard requirements of ISO 14001 & OHSAS 18001.
- **26.** <u>REGRET LETTER:</u> In case, the supplier is unable / not willing to quote (for BHEL's registered vendors), a letter of regret shall be sent.

## 27. LOADING FACTORS:

Loading factors as detailed below will be added to the quoted price (basic) to evaluate the lowest quote for non compliance of BHEL standard commercial terms.

## A(i). For non compliance of standard Terms of payment (For Foreign Purchase Orders)

SI. No.	BHEL standard term	If you quote	Loading factor in % for non-compliance
1	100% against "SIGHT DRAFT" on presentation of dispatch documents to our Bankers.	(a) 100% Through Letter of Credit (LC)	(a) 3.50 %
2	90% against "SIGHT DRAFT" + 10% against PBG (wherever PBG is involved)	(b) 90% Through Letter of Credit (LC)	(b) 2.25 %
3	75% against "SIGHT DRAFT" + 15% after commissioning + 10% against PBG (wherever commissioning & PBG is involved)	(c) 75% Through Letter of Credit (LC)	c) 1.875 %

## A(ii). For non compliance of standard Terms of payment (For Indigenous Purchase Orders)

SI. No.	BHEL standard term	If you quote	Loading factor in % for non- compliance
1	100% within 30 days from the date of receipt (credit payment)	Payment through bank	2 % x percentage quoted through bank
		Payment against proforma invoice	1.25 % x percentage quoted through proforma invoice
2	90% within 30 days from the date of receipt + 10% against PBG (wherever PBG is	Payment through bank	2 % x percentage quoted through bank
involved)	•	Payment against proforma invoice	1. 25 % x percentage quoted through proforma invoice
		100% within 30 days from the date of receipt & PBG	Nil



3	75% within 30 days from the date of receipt + 15% after commissioning + 10% against	Payment through bank	2 % x percentage quoted through bank
	PBG (wherever commissioning & PBG is involved)	Payment against proforma invoice  100% within 30 days and after commissioning &	1. 25 % x percentage quoted through proforma invoice  Nil
		PBG	

## B. For non compliance of Penalty clause:

SI. No.	BHEL standard term	If you quote	Loading factor for non- compliance
1	Penalty of 0.5% per week	Not agreed.	10 %
	subject to max. of 10% on the	5% max., agreed.	5%
	basic value of the items not	Other than the above.	10% - (minus) agreed max. %
	supplied /delayed		

## C. For non compliance of Performance Bank Guarantee (PBG):

SI. No.	BHEL standard term	If you quote	Loading factor for non- compliance
1	PBG for 10% of the basic	Not agreed.	10 %
	material cost shall be	5% agreed.	5 %
	furnished in the BHEL prescribed format.	Other than the above.	10% - (minus) agreed max. %

## D. For Non conformance to delivery requirement indicated in the RFQ:

SI. No.	BHEL standard term	If you quote	Loading factor for non- compliance
1	Delivery requirement as indicated in the RFQ in number of weeks from the date of issue of PO or from the document approval	Not agreed for the stipulated delivery in the enquiry	1 % per week up to max. of 10% for the difference in period

## E. For non compliance of Warranty:

SI.	BHEL standard term	If you quote	Loading factor for non-
No.			compliance
1	12 months from the date of	Not agreed.	6%
	dispatch or as indicated in the	Less than 12 months or	0.5 % per month for the
	RFQ	as indicated in the RFQ	difference in period





## TECHNICAL BID (TO BE ENCLOSED WITH TECHNO-COMMERCIAL BID)

## (for Foreign Purchase Orders)

SI. No.	Particulars	Bidder's confirmation
1	Price basis:	
	Firm i.e., from the date of PO to completion of supply	Acceptable / Not acceptable
	[Price Variation Clause (PVC) not acceptable]	
2	Terms of Payment: Against "SIGHT DRAFT" on presentation	
	of documents to our bankers.	
	(a) 90 % is payable on negotiation of complete set of original	(a) Acceptable / Not acceptable
	documents & balance 10% against submission of PBG (where	
	commissioning is NOT involved).	
	(b) 75 % is payable on negotiation of complete set of original	(b) Acceptable / Not acceptable
	documents, 15% after satisfactory commissioning & balance	
	10% against submission of PBG (wherever commissioning &	
	PBG is involved).	
	(c) Deviation if any please specify	(c)
	Note: Refer clause 12 above.	
3	BHEL's penalty clause:	
	(a) Delay in delivery as per PO delivery date will result in	(a) Acceptable / Not acceptable
	penalty of 0.5 % per week subject to maximum of 10% on the	
	value of the items not supplier/delayed. (b) Deviation if any Please specify	
	(b) Deviation if any ricase speeny	(b)
4	Performance Bank guarantee:	Yes / No
	PBG for 10% of the basic material cost shall be furnished in the	
	BHEL prescribed format as detailed in clause 15.	
5	Terms of delivery:	
	(a) F.O.B international Airport/Seaport as per clause 17	(a)Acceptable / Not acceptable
	Indicate name of International Airport/Seaport	
	(b) Deviation if any Please specify	(b)
6	Warranty:	
	(a) 12 months from the date of dispatch	(a)Acceptable / Not acceptable
	(b) Deviation if any Please specify	(b)
7	Delivery period: Indicate number of weeks from the date of	Weeks
	issue of Purchase order	
8	Validity:	
	(a) Quotation should remain valid for a period of 90 days from	(a) Acceptable / Not acceptable
	the due date	
	(b) Deviation if any Please specify	(b)



**ANNEXURE - B** 

## TECHNICAL BID (TO BE ENCLOSED WITH TECHNO-COMMERCIAL BID)

## (For Indigenous Purchase Orders)

SI. No.	Particulars	Bidder's confirmation
1	Price basis: Firm i.e., from the date of PO to completion of supply [Price Variation Clause (PVC) not acceptable]	Acceptable / Not acceptable
2	Excise duty: If applicable indicate %.	Applicable / Not applicable ED:%
3	Sale tax: If applicable indicate %	Applicable / Not applicable (a) VAT% (b) CST% against form C
4	Payment terms:  (a) 90 % basic + 100% taxes, duties & freight charges within 30 days from the date of receipt & balance 10% against submission of PBG ( where commissioning is NOT involved)	(a) Acceptable / Not acceptable
	(b) 75 % basic + 100% taxes, duties & freight charges within 30 days from the date of receipt, 15% after satisfactory commissioning & balance 10% against submission of PBG (wherever commissioning & PBG is involved).	(b) Acceptable / Not acceptable
	(c) Deviation if any please specify Note: As per clause 12	(c)
5	BHEL's penalty clause:  (a) Delay in delivery as per PO delivery date will result in penalty of 0.5 % per week subject to maximum of 10% on the value of the items not supplier/delayed.  (b) Deviation if any Please specify	(a) Acceptable / Not acceptable (b)
6	Performance Bank guarantee (PBG): PBG for 10% of the basic material cost shall be furnished in the BHEL prescribed format as per clause 15.	Yes / No
7	Terms of delivery: (a) Ex EDN / BHEL, Bangalore (Free delivery to EDN/BHEL Bangalore including packing & forwarding charges) (b) Deviation if any Please specify	(a)Acceptable / Not acceptable (b)
8	Warranty: (a) 18 months from the date of dispatch or 12 months from the date of commissioning (b) Deviation if any Please specify  (a) Acceptable / Not acceptable (b)	
9	<b>Delivery period:</b> Indicate number of weeks from the date of issue of Purchase order	Weeks
10	Validity: (a) Quotation should remain valid for a period of 90 days from the due date (b) Deviation if any Please specify	(a) Acceptable / Not acceptable (b)



## **ANNEXURE - C**

## **LIST OF INTERNATIONAL AIRPORTS**

SI. No	Country	Air Ports
1	Austria	Vienna, Linz, Graz
2	Australia	Sydney, Melbourne, Perth
3	Belgium	Antwerp, Brussels
4	Canada	Toronto, Montreal
5	China	Shangai
6	Cyprus	Lamaca
7	Czech Republic	Prague (Via Frankfurt)
8	Denmark	Copenhagen
9	Egypt	Cairo
10	Finland	Helsinki
11	France	Paris (Rossy), Lyon
12	Germany	Darmstadt, Manihiem, Nurnberg, Hamburg, Stutttgart, Munich, Koln,
40	l la a alca a a	Dusseldorf & Hannover, Frankfurt, Berlin
13	Hongkong	Hongkong  Dama Milan Turin Balanca Flanana
14	Italy	Rome, Milan, Turin, Bologna, Florence
15	Ireland	Dublin
16	Isrel	Telaviv
17	Japan	Tokyo, Osaka
18	Malaysia	Kaulalampur, Penang
19	Neatherlands	Amsterdam, Rotterdam
20	Newzealand	Auckland
21	Norway	Oslo
22	Oman	Muscat
23	Philiphines	Manila
24	Romania	Bucharest
25	Russia	Moscow
26	Saudi Arabia	Riyad
27	Singapore	Singapore
28	Slovakia	Bartislowa
29	South Africa	Johannesburg, Durban
30	South korea	Kimpo
31	Spain	Barcelona
32	Sweden	Stockholm, Gothenburg, Milano
33	Switzerland	Basle, Zurich, Geneva
34	Taiwan	Taipei
35	U.A.E.	Dubai
36	U.K.	Landon (Heathrow), Newcastle, Oxford, Cheltham, Bristol, Wellingborough, Birmingham, East Midland, Manchester, Leeds, Glasgow.
37	U.S.A.	Newyork, Chicago, Sanfrancisco, Los Angeles, Atlanta
38	Ukraine	Kiev



**ANNEXURE-D** 

## PERFORMANCE BANK GUARANTEE (FOR FOREIGN PURCHASE ORDERS)

## **BANK NAME AND ADDRESS**

Bharat Heavy Electricals Limited (BHEL), Electronics Division, PB No. 2606, Mysore Road, BANGALORE- 560 026 INDIA

Dear Sir,

## Ref: CONTRACT PERFORMANCE GUARANTEE.

WHEREAS you have entered into a contract reference No PO NO with M/s having its registered office											
							having	i	ts	registered	office
at_			f	or the si	upply o	of					
as	detailed in you	r purchase	e order	No				wh	ich is h	nereinafter	referred to
as	"the	sa	id	conti	act"		and		WH	IEREAS	M/s
										en to produ	
Gu	arantee for 1	0% ( Tei	n Perc	ent ) o	f					price amo	•
			(		<del></del> .					)	
	obligations to										
•	formance of			_			•				
VVE	)	مين ام مرم براط		Bank	,				rin ain a	ا معاناها	nereby
	oressly, irrevoca	•		•		_		•	•	•	
	S H.E.L.) declares										
	obligation acc										
	d without demu										
	06, Bangaloi										
			0_0,								subject to
as	may be determi	ned below	:							,	
	•										
1)	Notwithstandin	g any righ	nt M/s.							may ha	ve directly
	against	you	or	any		disp	utes	1	raised	by	M/s
										n demand	
	conclusive evid		s that re	payment	is due	unde	r the te	erms o	f the sa	aid contract	and shall
	be binding on u	JS.									
٥,											
2)	We shall not be										ee by any
	arrangements,										
	with or withou				•	•	•			•	
	or otherwise.		L	y arry 101	Dearail	ice w	neniel	as iu	payme	nt, time, pe	nomance
	or otherwise.										

3) This guarantee shall remain valid until the end of twenty-four weeks after the close of the

warranty period or until the same is reported by BHEL to us whichever is earlier.



,	We agree a writing by y						ng its va	lidity u	nless disch	arged in
•	This guara discharged				~ ~	ee subject t constitutio		regoing the	g and shal Bank o	
3)	This guarar	ntee sha	all be g	overned by	and constr	ucted in acc	ordance	with th	ne Laws of I	ndia.
7)	At any time	e			Ba	nk may rend	ler this g	guarant	ee null and	void by
			3harat	Heavy	Electrica	•	the (in	full	amount	being words
							(11	ı	ı	

For and on behalf of Bank by its Authorised Signatory

## Note:

- (1) To be executed in INR 100 Non-Judicial stamp paper by any authorized Indian Bank.
- (2) To be submitted directly by banker to concerned executive in purchase dept., Please give BHEL address to banker.
- (3) Do not enclose with Bank document.
- (4) Any Modification & omissions to this are not permitted



**ANNEXURE - E** 

## PERFORMANCE BANK GUARANTEE (FOR INDEGENOUS PURCHASE ORDERS)

Con and Act, nere Sri.							
	IN FAVOUR OF BHARAT HEAVY ELECTRICALS LIMITED						
(Buyer's Name), a company registered under the companies Act, 1956 having its registered office at BHEL House at Siri Fort, New Delhi-100 049 and its Electronics Division at Mysore road, Bangalore-26 (hereinafter referred to as the 'Company' Which term shall include its successors and assigns):							
Whe	ereas the company has placed an order on (State the name of the						
and	npany / firm and its address) (hereinafter referred to as the 'Supplier' which term shall mean include its liquidators, successors and assign) for the supply of system under order / ntract NoDt						
AND WHEREAS the supplier has agreed to supply the materials and carryout the works as detailed and in accordance with the terms set out in the said order/contract.							
AND WHEREAS the company is not required to pay to the supplier a sum of Rupeesbeing the 10% of the value of the goods supplied / Works performed / Services rendered under the said order / contract between the supplier and the company, till the company is satisfied with the mechanical Warranties and the performance standards stipulated in the said order / contract between the company and the supplier has been duly fulfilled, except against a Bank Guarantee for the said sum of Rs in favour of the company by reputed Bank, in which case the company has agreed to make payment to the supplier of the said sum of Rupees being (% ) of the value of the goods supplied / Works performed / Services rendered under the agreement between the supplier and the company and the Guarantor has at the request of the supplier, agreed to furnish this Guarantee subject to the terms and conditions stated below:							
	W THIS DEED WITNESSES THAT IN pursuance of the above said agreement, the guarantor eby agrees and covenants With company is as follows:-						
1)	That during the period this contract of Guarantee remains effectual, the guarantor shall be liable in respect of the amount due and owing to the company in respect of the payments to the extent of Rs (in words) against any loss or						
	damage caused to or suffered by the company by reasons of any breach of the terms of the said order / contract / Agreement by the supplier.						

2) The Guarantor hereby undertakes to pay the amounts due and payable under this guarantee without any demur, merely on demand from the company intimating that the amount claimed is due by way of loss or damage caused to or suffered or would be caused or suffered by the supplier of any terms contained in the said order / contract. Any such demand made on the



guarantor shall be conclusive as regards the amount due and payable by the Guarantor irrespective of the fact whether the Contractor / supplier admits or denies.

- 3) The Guarantor further agrees that the agreement herein contained shall remain in force and effect till all the supplies to be made / Works to be performed / Services to be rendered under the said order / contract / agreement are completed to the entire satisfaction of the company or till company certifies that the terms and conditions of the said order / contract / agreement have been fully and properly carried out by the said supplier and accordingly discharges the Guarantee. Unless a demand or claim under this guarantee is made on the guarantor in writing on or before the expiry of claim period indicated in clause 6 below, the guarantor shall be discharged from all the liability under this guarantee thereafter.
- 4) The guarantor further agrees with the company that the company shall have the fullest liberty without the consent of the guarantor and without effecting in any manner the obligations of the guarantor hereunder to vary any of the terms of the said order / contract / agreement or extend the time of performance by the said supplier from time to time or refrain from exercising the power exercisable by the company against the said supplier or to forebear or omit to enforce any of the terms and conditions relating to the said order / contract / agreement, and the guarantor shall not be relieved of its liability in whole or in part , by reason of any act, commission or forbearance on the part of the company or by reason of any such variation, or extension being granted to the said supplier or by reason of any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving the guarantor.
- 5) The guarantor undertakes not to revoke this guarantee during its currency except with the previous consent of the company in writing.

6)	Notwithstanding anything herein a	above co	ontained,	the liability	of the g	uarantor	under	these
	presents is restricted to Rs			The guar	antee sh	all be in	force	till its
	expiry on u	unless a	demand	is made	on the g	guarantor	withi	n SIX
	months from the date of expiry, a	all the lia	ability of t	the guaran	tor undei	r this gua	arantee	shall
	stand fully discharged. The decis	sion of th	ne claima	nt in regard	d to brea	ch of cor	ntract is	s final
	and binding on the Bank.							

IN WITNESS whereof, the guarantor, acting through it authorised representative has executed this deed of Guarantee on the day, month and year first above written.

(Seal of the Bank to be affixed)

**WITNESS** 

1.

2.



**ANNEXURE - F** 

## **BHEL MEMBER BANKS**

## PBG SHALL BE ISSUED FROM THE FOLLOWING BANKS OR THEIR BRANCH OFFICES ONLY

State Bank of India,	Deutsche Bank,				
CAG Branch 10 <sup>th</sup> Floor, Vijaya Building	Tolstoy Marg,				
Barakamba Road, NEW DELHI - 110	NEW DELHI - 110 001				
001					
Canara Bank,	HDFC Bank Ltd,				
74, Janpath,	5 <sup>TH</sup> floor, H T House, K G Marg, ,				
NEW DELHI - 110 001	NEW DELHI - 110 001				
Punjab National Bank, 74 Janpath,	CITI Bank NA,				
NEW DELHI - 110 001	Jeevan Vihar Building, Sansad Marg				
	NEW DELHI - 110 001				
Bank of Baroda,	Standard Chartered Bank,				
Corporation Banking Branch, 11 <sup>th</sup> Floor,	H2, Block Connaught Place				
BOB Building, Sansad Marg, NEW DELHI	NEW DELHI - 110 001				
- 110 001					
State Bank of Hyderabad,	ICICI Bank Ltd,				
Surya Kiran Building, K G Marg,	ICICI Tower, Bisham Pitamah Marg, Pragati				
NEW DELHI - 110 001	Vihar,				
	NEW DELHI - 110 003				
State \Bank of Mysore,	IDBI Bank Ltd,				
Antrikash Bhawan, K G Marg, NEW	19 K G Marg, Surya Kiran Building,				
DELHI - 110 001	NEW DELHI - 110 001				
State Bank of Mysore,	HSBC Ltd,				
Industrial Finance Branch, 18,	ECE House, 28K G Marg, NEW DELHI -				
Ramanashree Arcade,, M G Road,	110 001				
BANGALORE 0 560 001					
State Bank of Travancore,					
Travancore House, IF Branch,					
NEW DELHI - 110 001					