

**Bharat Heavy Electricals Limited**

(A Government of India Undertaking)

Electronics Division

P B NO 2606, Mysore Road, Bangalore - 560026

Tel 080 26746117 / 26998366 Fax 080 26740137

Tender document for supply of AUTOMATIC PCB CONVEYING SYSTEM**R F Q Number : TRSM900014****Tender Qty : One Number****Tender Due Date and Time : 17.09.2008 13.00 Hrs****Tender Opening Date and Time : 17.09.2008 13.30 Hrs****Place of opening of Tender : SA – MM Conference hall****Scope:**

Supply, Installation and Commissioning of the Automatic PCB Conveying System for SMT Line

1. Two part Bid - Tender shall be submitted in two parts :

- a. Part I – Techno commercial bid without prices.
- b. Part II – Price bid

Tender (quotation) shall be submitted in a sealed envelope super scribed with **RFQ NUMBER / and DUE DATE** on it and the same must reach our office on or before the due date by **13:00 hrs.** Quotation can also be dropped in the tender box with caption **“Sub Assembly - TRS”**. Late quotations are liable to be rejected.

Tender shall be addressed to **Sr.DGM / EM - Coml**, Electronics Division, Bharat Heavy Electricals Ltd., Mysore road, Bangalore 560026.

2. Earnest Money Deposit : EMD of Rs 1,00,000/- (rupees one lakh only) shall be submitted in the form of DD along with the Techno-commercial bid in a separate sealed cover in favor of **“Bharat Heavy Electricals Limited”** payable at Bangalore. EMD in the form of DD / Pay order only is acceptable & any other form is not acceptable and the bid is liable for rejection. EMD amount doesn't carry any interest. The same will be converted as Security Deposit for the successful bidders and for unsuccessful bidders the same will be refunded after finalization of the order. For successful bidders EMD will be refunded after submission of PBG.

3. Delivery Period: Equipment shall be delivered, within 4 months from the date of placement of technically & commercially clear purchase order.

4.0 Warrantee period : Equipment shall have a comprehensive warrantee of 12 months from the date of installation / acceptance and accordingly PBG shall be for 12 months from date of acceptance.

5. Terms and conditions:

1. All the Bidders shall meet the **pre-qualification criteria** and Comply with **Technical Specification** mentioned in this specific tender.
2. Indian Bidders are required to comply with the **general terms and conditions** as per **SA – 01 (Annexure –I)**
3. Foreign Bidders are required to comply with the **general terms and conditions** as per **SA – 02. (Annexure –II)**

Pre qualification criteria

1. The vendor shall be an Original Equipment Manufacturer (OEM)
 - a. Based in India
 - b. Foreign OEM with Authorized Indian dealer(s) / representative(s) for sales & service. The authorization letter for the dealer/ representative shall be provided.
 - c. Offer can be submitted by the OEM or their authorized dealers in India along with an authorization letter. However Purchase Order will be placed on the lowest technically acceptable bidder on the OEM only.
 - d. If the offer is from an authorized representative in India , the Indian representative cannot quote for the same equipment from 2 or more different OEM's
2. The offer shall be for the complete system like loader, unloader, destacker, inspection conveyor, telescopic conveyor , Turn conveyor & Magazines as per specification. The offer for part of the above system will not be considered. The evaluation also will be carried out as a complete system only.
3. The offer shall be only for new equipment and not for any refurbished / used equipment. A declaration to the above effect to be furnished.
4. All the parts used in the machine shall also be new and not used / refurbished ones. A declaration to the above effect to be furnished.
5. The vendor should have already supplied and installed 5 nos. of similar machines in India and operating satisfactorily for at least one year during the last three years. The details of the customers with contact details, machines installed, date of installations etc. to be provided.
6. The vendor shall be in a position to provide service and spares support for the installations in India.
7. The vendor or their authorized service representatives should have trained engineers in India for commissioning & service for the offered equipment. A declaration to the above effect to be furnished.
8. The vendor shall be in a position to undertake AMC for the equipment with BHEL after the expiry of the warranty/ guarantee period either directly or through a service representative. The vendor should have successfully completed AMC for similar machines for at least one year in India and necessary proof to be furnished.
9. The vendor shall arrange for a demonstration of the machine or a similar system operating in India, as required by BHEL.



10. The vendor shall furnish a comprehensive warranty for at least 12 months from the date of commissioning or 18 months from the date of delivery, whichever is early.
11. The vendor shall guarantee the performance of the equipment for at least 12 months from the date of commissioning.

NOTE:

1. Pre qualification evaluation 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.
2. Pre qualification criteria are mandatory requirements and the technical bids will be evaluated only when the Pre Qualification criteria are met.

Specifications for SMT-PCB Conveying System:

1. The PCB Conveying system consists of A) Loader, B) Destacker, C) Unloader, D) Inspection conveyor, E) Telescopic conveyor, F) Turn conveyor & G) Magazines.
2. As a mandatory requirement, the machines offered (Except magazines) shall be of the same make (OEM) and will be considered as a composite system. The offer shall be for the complete system and offer for a part of the system will not be considered. The evaluation also will be carried out as a complete system only.
3. The offer shall be corresponding to the parameters under the specifications below or better

A.) LOADER (Quantity 1 NO)

Sl No	PARAMETER	REQUIREMENT
1.	Machine Length	Max. 2.5 meters
2.	Type	Automatic PCB loader (Magazine type)
3.	Maximum Board size	400 mm x 350 mm
4.	PCB thickness	Upto 6 mm
5.	Conveyor	
	a. Length of conveyor	Upper: for 2 Magazines Lower: for 3 Magazines
	b. Speed	0.5 to 1.5 meter/min, programmable
	c. Material	Chain driven at ends Sheet, ESD Safe for entire for entire area
6.	Width adjustment	Motorised with front fixed and rear adjustable. (Automatic preferred)
7.	PCB Loading Operation	a. Preferably by sensing presence of PCB otherwise at a pitch of 10mm.
		b. Pusher Length shall be programmable to the size of PCB
		c. Shall operate in both MANUAL and AUTO mode
		d. There shall be mechanism to clamp Magazine on 'platform'
		e. There shall be min. 2 nos. of Screw-rod assembly and guide rods assembly in the machine
8.	Display	LCD display, to indicate no. of PCBs loaded
9.	Compatibility	SMEMA
10.	Air pressure	Less than 6 bar

11	POWER	230V +/-10%, 50Hz, Single Phase. There shall NOT be any external transformer. UPS for the machines will be in BHEL's scope and UPS configurations/ requirement for the machine to be spelt out.
12	Controls buttons	User friendly push button / membrane
13	Material	Extruded Aluminum frame with stainless steel / powder coated steel body & stainless steel guides
14	Safety	Safety alarms, emergency stop buttons to be provided

B.) DESTACKER (Quantity 1 no)

Sl No	PARAMETER	REQUIREMENT
1.	Maximum Board size	400 mm x 350 mm
2.	PCB Thickness	Up to 6 mm
3.	PCB Capacity	Min 50 or better
4.	PCB Edge Clearance	Minimum 2.5 mm
5.	Width adjustment	Motorised with front fixed and rear adjustable. (Automatic preferred)
6.	Cycle Time	15 sec or better
7.	Pass Through Mode	Destacker should be able to work in pass through mode
8.	Compatibility	SMEMA
9.	Air pressure	Less than 6 bar
10	POWER	230V +/-10%, 50Hz Single Phase. UPS for the machines will be in BHEL's scope and UPS configurations/ requirement for the machine to be spelt out.
11	Controls buttons	User friendly push button / LED membrane
12	Safety	Safety alarms, emergency stop buttons to be provided
13	Material	Aluminum casting frame with stainless steel / powder coated steel body & stainless steel guides

C.) UNLOADER (Quantity 3 NOS)

Sl No	PARAMETER	REQUIREMENT
1	Machine Length	Max. 3.5 meters including pusher conveyor
2	Type	Automatic PCB loader (Magazine type)
3	Maximum Board size	400 mm x 350 mm
4	PCB thickness	Upto 6 mm
5	Machine Length	Max. 2.5 meters
6	Conveyor	
	a. Length of conveyor	Upper: for 2 Magazines Lower: for 3 Magazines
	b. Speed	0.5 to 1.5 meter/min, programmable
	c. Material	Chain driven at ends Sheet, ESD Safe for entire for entire area
7	Pusher Conveyor	Suitable pusher conveyor with <ul style="list-style-type: none"> adjustable pusher position Pneumatic pusher pressure regulated Portable and flexible Easy Width Adjustment Link with Unloader to be provided with each unloader.
8	Width adjustment	Motorised with front fixed and rear adjustable. (Automatic preferred)
9	PCB Loading Operation	a. Preferably by sensing presence of PCB otherwise at a pitch of 10mm.
		b. Pusher Length shall be programmable to the size of PCB
		c. Shall operate in both MANUAL and AUTO mode
		d. There shall be mechanism to clamp Magazine on 'platform'
		e. There shall be min. 2 nos. of Screw-rod assembly and guide rods assembly in the machine
10	Display	LCD display, to indicate no. Of PCBs loaded
11	Compatibility	SMEMA
12	Air pressure	Less than 6 bar

13	POWER	230V +/-10%, 50Hz Single Phase. UPS for the machines will be in BHEL's scope and UPS configurations/ requirement for the machine to be spelt out..
14	Controls buttons	User friendly push button / membrane
15	Material	Extruded Aluminum frame with stainless steel / powder coated steel body & stainless steel guides
16	Safety	Safety alarms, emergency stop buttons to be provided

D.) INSPECTION CONVEYOR (Quantity 3 nos)

S1 No	PARAMETER	REQUIREMENT
1.	Length	1 meter
2.	Maximum Board size	400 m x 350 mm
3.	PCB thickness	Up to 6 mm
4.	Clearance for components	Minimum 25 mm both top & bottom
5.	PCB Edge Clearance	Minimum 2.5 mm
6.	Conveyor type	Belt- ESD safe
7.	Conveyor speed	0.5 to 1.5 meter/min adjustable
8.	Width adjustment	Motorised with front fixed and rear adjustable. (Automatic preferred)
9.	Compatibility	SMEMA
10	Inspection stop	Facility to stop the PCB for inspection by a push button.
11	Pass thru' capability	Facility for PCB pass thru' (Bypass)
12	Air pressure	Less than 6 bar
13	POWER	230V +/-10%, 50Hz Single Phase. UPS for the machines will be in BHEL's scope and UPS configurations/ requirement for the machine to be spelt out.
14	Controls buttons	User friendly push button / LED membrane
15	Safety	Safety alarms, emergency stop buttons to be provided
16	Material	Aluminum casting frame with stainless steel / powder coated steel body & stainless steel guides

E.) TELESCOPIC GATE CONVEYOR (Quantity 2 nos)

S1 No	PARAMETER	REQUIREMENT
1.	Length	1.5 meter
2.	Maximum Board size	400 m x 350 mm
3.	PCB thickness	Up to 6 mm
4.	Clearance for components	Minimum 25 mm both top & bottom
5.	PCB Edge Clearance	Minimum 2.5 mm
6.	Width adjustment	Motorised with front fixed and rear adjustable. (Automatic preferred)
7.	Type	Telescopic Gate- Normally Closed
8.	Movement Sensor	Safety Movement sensor to be provided for detecting movement of person by opening the gate.
9.	Safety interlock	Safety interlock to be provided for PCB movement and gate opening/closing.
10	Gate opening	About 750 mm
11	Compatibility	SMEMA
12	Air pressure	Less than 6 bar
13	POWER	230V +/-10%, 50Hz Single Phase. UPS for the machines will be in BHEL's scope and UPS configurations/ requirement for the machine to be spelt out.
14	Controls buttons	User friendly push button / LED membrane
15	Safety	Safety alarms, emergency stop buttons to be provided
16	Material	Aluminum casting frame with stainless steel / powder coated steel body & stainless steel guides

F.) TURN CONVEYOR (Quantity 2 nos)

S1 No	PARAMETER	REQUIREMENT
1.	Length	1 meter
2.	Maximum Board size	400 m x 350 mm
3.	PCB thickness	Up to 6 mm
4.	Clearance for components	Minimum 25 mm both top & bottom
5.	PCB Edge Clearance	Minimum 2.5 mm
6.	Conveyor type	Turn Conveyor with <ul style="list-style-type: none"> a. Pass through for good boards from Automatic Optical Inspection system b. 90 deg turn for bad boards from Automatic Optical Inspection system. c. Traffic Flow Programmable as per AOI.
7.	Pass thru' capability	Facility for PCB pass thru' (Bypass)
8.	Transport	Belt type –ESD Safe.
9.	Width adjustment	Motorised with front fixed and rear adjustable. (Automatic preferred)
10	Compatibility	SMEMA
11	Air pressure	Less than 6 bar
12	POWER	230V +/-10%, 50Hz Single Phase. UPS for the machines will be in BHEL's scope and UPS configurations/ requirement for the machine to be spelt out.
13	Controls buttons	User friendly push button / LED membrane
14	Safety	<ul style="list-style-type: none"> a) Safety alarms, emergency stop buttons to be provided. b) Signal tower light(Muticolor) to be provided
15	Material	Aluminum casting frame with stainless steel / powder coated steel body & stainless steel guides

G. Magazines for Loader/Unloader (Quantity 10 nos)

	MAGAZINE	
1	No of PCBs	Min. 50 per magazine
2	Maximum Board size	400 mm x 350 mm
3	PCB thickness	Upto 6 mm
4	Stacking pitch	In multiples of 10mm
5	Material	
	a. Separators	ESD safe, adjustable width to suit PCB
	b. Top and bottom plates	Aluminum, Anodised
6	Compatibilty	Compatible for Loader & Unloader as per the specifications A & C

Note:

1. Specify the machine parameters briefly explain features wherever applicable.
2. If more than one model is quoted, separate offers shall be submitted.
3. Additional Accessories, which will enhance the performance, shall be quoted separately.
4. A clause wise deviation, if any, has to be brought out clearly. If there are no deviations, the vendor has to positively certify compliance to the specifications in toto.
5. The complete technical information and catalogue shall be given.

GENERAL TERMS :

1. Operation , Maintenance , Service & spare parts manual have to be supplied in hard copy and soft copy along with the equipment. Detailed Hydraulic, Pneumatic , Electrical and Electronic circuit diagram have to be provided as part of the manuals. The lubrication points are to be identified on the machine with respect to O & M manual. The schedules for lubrications are to be provided in the manual.
2. Details of service agents in India to be furnished.
3. All commissioning / service requirements such as power, compressed air, water, lubricants, coolants, any civil requirements like special foundation arrangements etc. have to be listed and intimated well in advance.
4. The equipment shall be installed & commissioned at BHEL / EDN by the vendor.
5. The vendor shall coordinate with other vendors of related equipment of SMT line, which will be installed at BHEL-EDN, during installation & commissioning.
6. Training shall be provided for operation & maintenance for BHEL personnel. The training details to be furnished.
7. Service Engineers are to be deputed during initial pilot run and commissioning period at no extra cost to BHEL.
8. Initial Calibration certificates shall be furnished. The subsequent calibration schedules, process and periodicity shall be furnished along with the authorized calibration agencies, if any.
9. Test certificates of the equipment shall be furnished to BHEL along with the equipment.

The software upgrades during the warranty / guarantee period shall be provided free of cost

**Annexure - I****General Terms and conditions for supply of Capital items : (indigenous -Two part bid) SA-01**

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.
(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 I (b)) preferably in the same format. Samples if asked and any other enclosures, which the supplier wish to submit like product catalogue etc., in a sealed envelope super scribed clearly as **“TECHNO-COMMERCIAL BID” with RFQ No. and DUE DATE.**

Un priced copy of price bid shall be enclosed with the techno-commercial bid. 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 / comments on all the clauses is essential.

Compliance to pre qualification criteria shall be part of 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 prices, discount if any, applicable taxes & duties, packing & forwarding charges (if applicable), Freight & insurances (if applicable) etc., in a sealed envelope super scribed clearly as **“PRICE BID” with RFQ No. and DUE DATE.** Erection and commissioning charges if any shall be included in the price bid.

Please indicate the rates in both figures and words. However in case of difference, the lowest of the two rates will be considered as correct.

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

2. Tender (quotation) shall be submitted in a sealed envelope super scribed with **RFQ NUMBER / and DUE DATE** on it and the same must reach our office on or before the due date by **13:00 hrs.** Quotation can also be dropped in the tender box **“Sub Assembly - TRS”**. Late quotations are liable to be rejected.



Tender shall be addressed to **Sr.DGM / EM - Coml**, Electronics Division, Bharat Heavy Electricals Ltd., Mysore road, Bangalore 560026.

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 evaluating of the lowest quote.
5. Please sign the offers. Unsigned bids/offers are liable for rejection.
6. All the bidders or their authorized representatives can witness opening of techno-commercial bid on the due date.
7. After evaluation of techno-commercial bids, price bids of only those who are technically 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 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 of 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. TOTAL COST TO BHEL: Lowest Bid (L1) is determined on the basis of the total cost to BHEL. Total cost to BHEL = Total basic value + Packing & forwarding charges + Excise duty + Education cess + sales Tax/VAT + Octroi / Entry tax+ Freight + Insurance (as per BHEL Insurance premium) + Service Tax (as applicable) + Loading factors for deviations to commercial terms & conditions.

Purchase order will be placed on Lowest bidder (L1) only.

11. **FIRM PRICE:** 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 placed.
If Erection & Commissioning is in supplier's scope, then the price shall remain FIRM till commissioning & handing over of the complete system. PVC clause is not acceptable.

12. **TERMS OF PAYMENT:** The terms of payments are as follows.
- (a) 90% within 30 days from the date of acceptance of equipments & balance 10% against submission of PBG.
- (b) In case where 90 % & 10% payment terms are opted instead of PBG, 90 % Payment will be released within 30 days of acceptance. Balance 10% payment will be paid against submission of supplementary invoice after 12 months of warranty period + 6 months claim period.
13. **ADVANCE PAYMENT:** 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 value (basic material cost) 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 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 (Annexure I (c)) for 10% of the basic equipment value obtained from any BHEL member banks.
- PBG shall be valid for 12 months + 6 months claim period (totally 18 months) from the date of dispatch.
16. **WARRANTY:** Goods dispatched shall have warranty period of 18 months from the date of dispatch or 12 months from date of commissioning, whichever is earlier.
17. **TERMS OF DELIVERY:**
- For Vendors in Bangalore jurisdiction : Equipment shall be delivered free at EDN / BHEL, Bangalore, inclusive of packing & forwarding charges.
- All other vendors :
1. Packing shall be Road / Air / Rail worthy, to take care of any transit damages.
 2. Dispatch the consignments through EDN/BHEL approved transporters (Annexure I (a))
 3. Small consignments can be dispatched through M/S First Flight Couriers Ltd or any other carrier approved by BHEL.
18. **DELIVERY PERIOD:** Equipment shall be delivered as per the requirement of specific R F Q / tender. Offers such as ex-stock subject to prior sale or delivery at the earliest will not be entertained.
- 15 days time will be granted for giving order acknowledgement beyond which it will be treated as delay and considered as penalty zone if overall delivery does not take place in agreed delivery period.
19. **VALIDITY:** Quotation should remain valid for a period of **90 days** from the due date of tender.

- 20 **EARNEST MONEY DEPOSIT** : EMD as per the requirement of specific tender shall be submitted in the form of **DD along with Techno-commercial bid**. EMD in the form of DD only is acceptable and any other form is not acceptable and the bid is liable for rejection. DD shall be drawn in favor of "Bharat Heavy Electricals Limited". EMD amount doesn't carry any interest. The same will be converted as Security Deposit for the successful bidders and for unsuccessful bidders the same will be refunded after finalization of the order. For successful bidders EMD will be refunded after submission of PBG.
21. **RISK PURCHASE**: The purchaser at his discretion may also make purchase of the materials **NOT** supplied in time at the **RISK & COST** of the supplier. In this event, it will be obligatory on the part of the supplier who fails to supply the goods in time to make good to BHEL any loss due to such risk purchase.
22. BHEL reserves the right to RE-FLOAT/REJECT/CANCEL this 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.
23. **REVERSE AUCTION** : BHEL reserves the right to go for reverse auction at any point of time before opening of price bid.
24. BHEL reserves the right to Accept / Reject the offer in full or part there off depending on BHEL's requirement.
- 25 **POST ORDER REQUISITS:**
- (a) Pre-shipment inspection at your works, if required, will be done by BHEL. Required assistance to be provided at the time of pre-shipment inspection.
 - (b) Test certificates and warranty certificates as stipulated at the time of ordering shall be furnished.
 - (c) Items shall be dispatched with road/air/sea worthy packing. Any rejection due to poor packing shall be to supplier's account.
 - (d) Any rejection should be made good or replaced immediately without any extra cost to BHEL.
 - (e) Wherever commissioning is involved, it shall be carried out on a turnkey/supervisory basis. Scope of work includes design, fabrication, supply, installation, commissioning and trial run till satisfactory performance level is reached as certified by the user department.
 - (f) Copies of operation & instruction manuals to be supplied along with the equipment or before as per specification.
 - (g) BHEL will not be responsible for any loss, damage or injuries to staffs sustained during erection/commissioning. Supplier shall ensure compliance with all statutory requisites as laid down by local bodies, state & Central Government.
 - (h) Original invoice (2 copies) to be submitted at the office of DGM / EM -Coml for arranging payment.
 - (i) As BHEL is also making payment through EFT, banker details in the prescribed format to be submitted.
 - (j) Performance Bank Guarantee to be executed on Rs.100/- non-judicial stamp paper as per BHEL prescribed format (Annexure –I (c)).

- 26 . **PAST SUPPLIES / PERFORMANCE:** Detailed list of past supplies of quoted equipments for the last three years shall be enclosed along with the bid indicating customer, quantity supplied and year of supply. Performance certificate issued by customers may also be enclosed along with the bid.
- 27 Any dispute arising out of this shall be referred to the sole arbitration of Head of Materials Management, SA - 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.
28. All suits in respect of this lie in the court of Bangalore only.

29 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. For non compliance of BHEL standard Terms of payment:

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

B. For non compliance of Penalty clause:

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

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

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

**D.Non conformance to delivery requirement of BHEL**

BHEL requires the delivery of items within 4 months from the date of commercially clear PO. Delivery quoted more than 4 months will be subjected to a loading factor of 0.5 % per week as under:

Sl. No.	BHEL standard term	If you quote	Loading factor in % for non-compliance
1	4 months form date of PO	5 months	2 %

However, any delivery quoted beyond 5 months is liable for rejection.

Annexure – I(a)**BHEL / EDN, BANGALORE APPROVED TRANSPORTERS**

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)



Annexure – I(b)

QUOTATION FORMAT PART – A TECHNICAL BID (INDIGENOUS)

Sl. No.	Particulars	Bidder's confirmation
1	Price basis: Firm i.e., from the date of PO to completion of supply (Price Variation Clause not acceptable)	Acceptable / Not acceptable
2	Excise duty & Education cess: If applicable indicate %.	Applicable / Not applicable ED: _____ % Edu. Cess _____ %
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 acceptance of equipment & balance 10% against submission of PBG. (b) Deviation if any please specify Note: As per clause 12	(a) Acceptable / Not acceptable (b)
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 supplied/delayed. (b) Deviation if any Please specify Note: As per clause 14	(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 Note: As per clause 17	(a) Acceptable / Not acceptable (b)
8	Warranty: (a) 12 months from the date of acceptance /commissioning (b) Deviation if any Please specify	(a) Acceptable / Not acceptable (b)
9	Delivery period: 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)

Signature of tenderer / with stamp



PERFORMANCE BANK GUARANTEE
(FOR INDIGENOUS PURCHASE ORDERS)

ANNEXURE-I(c)

- Note:** 1) To be executed in Rs 100/- Non-Judicial stamp paper.
2) To be submitted to purchase Dept. directly.
3) Do not enclose with Bank document.

PERFORMANCE GUARANTEE
(PROFORMA OF BANK GUARANTEE)

THIS DEED OF GUARANTEE made and executed on the _____ day of _____ (year), by the _____ (Bank), registered under the Companies Act 1956/Nationalised Bank constituted under the Banking Companies (acquisition and transfer of undertakings) Act constituted under the State Bank of India Act / Subsidiary Banks Act, having its registered / head office at _____ represented herein by its Branch Manager / authorised representative Sri. _____ & Sri. _____ (Hereinafter called 'guarantor ' which term shall mean and include its successors and assigns)

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):

Whereas the company has placed an order on _____ (State the name of the company / firm and its address) (hereinafter referred to as the 'Supplier' which term shall mean and include its liquidators, successors and assign) for the supply of system under order / Contract No _____ Dt _____.

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 Rupees _____ being 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:

NOW THIS DEED WITNESSES THAT IN pursuance of the above said agreement, the guarantor hereby 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 forbear 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 above contained, the liability of the guarantor under these presents is restricted to Rs_____. The guarantee shall be in force till its expiry on _____ unless a demand is made on the guarantor within SIX months from the date of expiry, all the liability of the guarantor under this guarantee shall stand fully discharged. The decision of the claimant in regard to breach of contract is final and binding on the Bank.

IN WITNESS whereof, the guarantor, acting through its 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 - II**General terms and conditions for the supply of Capital items (Imported – Two part bid)SA-02**

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.
(b) 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 II (b)) preferably in the same format. Samples if asked and any other enclosures, which the supplier wish to submit like product catalogue etc., in a sealed envelope super scribed clearly as “**TECHNO-COMMERCIAL BID**” with **RFQ No. and DUE DATE**.

Un priced copy of price bid shall be enclosed with the techno-commercial bid
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 shall be part of Techno-commercial bid.

Manufacturers 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 prices, discount if any, applicable taxes & duties, packing & forwarding charges (if applicable), Freight & insurances (if applicable) etc., in a sealed envelope super scribed clearly as “**PRICE BID**” with **RFQ No. and DUE DATE**. Erection and commissioning charges if any shall be included in the price bid.

Please indicate the rates in both figures and words. However in case of difference, the lowest of the two rates will be considered as correct.

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

2. Tender (quotation) shall be submitted in a sealed envelope super scribed with **RFQ NUMBER / and DUE DATE** on it and the same must reach our office on or before the due date by **13:00 hrs.** Quotation can also be dropped in the tender box “**Sub Assembly - TRS**”. Late quotations are liable to be rejected.

Tender shall be addressed to Sr.DGM / EM - Coml, Electronics Division, Bharat Heavy Electricals Ltd., Mysore road, Bangalore 560026.

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 evaluating of the lowest quote.
5. Please sign the offers. Unsigned bids/offers are liable for rejection.
6. All the bidders or their authorized representatives can witness opening of techno-commercial bid on the due date.
7. After evaluation of techno-commercial bids, price bids of only those who are technically 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 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. **TOTAL COST TO BHEL:** For imported scope of supply, **lowest Bid (L1)** is determined on the basis of the total cost to BHEL.
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 + Loading factors for deviations to commercial terms & conditions.
Purchase order will be placed on lowest bidder (L1) only.
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.
11. **FIRM PRICE:** 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 placed.
If Erection & Commissioning is in supplier's scope, then the price shall remain FIRM till commissioning & handing over of the complete system. PVC clause is not acceptable.



12. **TERMS OF PAYMENT:** 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 29 (a).
The payment terms are as follows.
(a) 90% within 30 days from the date of acceptance of equipments & balance 10% against submission of PBG.

(b) In case where 90 % & 10% payment terms are opted instead of PBG, 90 % Payment will be released within 30 days of acceptance. Balance 10% payment will be paid against submission of supplementary invoice after 12 months of warranty period + 6 months claim period.
13. **ADVANCE PAYMENT:** Quotations with payment terms of “**Advance**” 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 value (basic material cost) 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 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 (Annexure-II c) for 10% of the basic equipment value obtained from any BHEL member banks.
PBG shall be valid for 12 months + 6 months claim period (totally 18 months) from the date of dispatch.
16. **WARRANTY:** Goods dispatched shall have warranty period of 18 months from the date of dispatch or 12 months from date of commissioning, whichever is earlier.
17. **TERMS OF DELIVERY:** Price offered shall be for goods packed and delivered **F.O.B.** (named international Airport/Seaport) including packing, forwarding, Handling, Ancillary charges like processing of Sight Draft, Letter of credit (L/C), negotiation of bank documents, Export declaration, Certificate of origin etc.
Packing shall be Airworthy/Seaworthy, best suitable for transshipment and to take care of transit damages.

Indicate name of International Airport/Seaport

Note: Name of Airport to be selected from any one of the ports indicated in Annexure-IIa, which are acceptable BHEL ports.

BHEL will do customs clearance after payment of customs duty as applicable at the time of customs clearance.

18. **DELIVERY PERIOD:** Equipment shall be delivered, as per the requirement of the specific R F Q / tender. Offers such as ex-stock subject to prior sale or delivery at the earliest will not be entertained.
In case of PO involving LC, 15 days will be granted for giving order acknowledgement beyond which it will be treated as delay and considered as penalty zone if overall delivery does not take place in agreed delivery period.
Delivery will be reckoned from the date of acknowledgement from freight forwarder after receipt of goods / AWB
19. **VALIDITY:** Quotation should remain valid for a period of **90 days** from the due date.
20. **EARNEST MONEY DEPOSIT :** EMD as per the requirement of specific tender shall be submitted in the form of **DD along Techno-commercial bid** in INR / Foreign Currency. EMD in the form of DD only is acceptable and any other form is not acceptable and the bid is liable for rejection. EMD amount doesn't carry any interest. DD shall be drawn in favor of "Bharat Heavy Electricals Limited". The same will be converted as Security Deposit for the successful bidders and for unsuccessful bidders the same will be refunded after finalization of the order. For successful bidders EMD will be refunded after submission of PBG.
21. **RISK PURCHASE:** The purchaser at his discretion may also make purchase of the materials **NOT** supplied in time at the **RISK & COST** of the supplier. In this event, it will be obligatory on the part of the supplier who fails to supply the goods in time to make good to BHEL any loss due to such risk purchase.
22. BHEL reserves the right to RE-FLOAT/REJECT/CANCEL this 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.
23. **REVERSE AUCTION :** BHEL reserves the right to go for reverse auction at any point of time before opening of price bid.
24. BHEL reserves the right to Accept / Reject the offer in full or part there off depending on BHEL's requirement.
25. **POST ORDER REQUISITS:**
- (a) Pre-shipment inspection at your works, if required, will be done by BHEL. Required assistance to be provided at the time of pre-shipment inspection.
 - (b) Test certificates and warranty certificates as stipulated at the time of ordering shall be furnished.
 - (c) Items shall be dispatched with road/air/sea worthy packing. Any rejection due to poor packing shall be to supplier's account.
 - (d) Any rejection should be made good or replaced immediately without any extra cost to BHEL.
 - (e) Wherever commissioning is involved, it shall be carried out on a turnkey/supervisory basis. Scope of work includes design, fabrication, supply, installation, commissioning and trial run till satisfactory performance level is reached as certified by the user department.
 - (f) Copies of operation & instruction manuals to be supplied along with the equipment or before as per specification.



- (g) BHEL will not be responsible for any loss, damage or injuries to staffs sustained during erection/commissioning. Supplier shall ensure compliance with all statutory requisites as laid down by local bodies, state & Central Government.
- (h) Original invoice (2 copies) to be submitted at the office of DGM / EM -Coml for arranging payment.
- (i) As BHEL is also making payment through EFT, banker details in the prescribed format to be submitted.
- (j) Performance Bank Guarantee to be executed on Rs.100/- non-judicial stamp paper as per BHEL prescribed format (copy attached).
- 26 . **PAST SUPPLIES / PERFORMANCE:** Detailed list of past supplies of quoted equipments for the last three years shall be enclosed along with the bid indicating customer, quantity supplied and year of supply. Performance certificate issued by customers may also be enclosed along with the bid.
27. Any dispute arising out of this shall be referred to the sole arbitration of Head of Materials Management, SA - 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.
28. All suits in respect of this lie in the court of Bangalore only.

29 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. For non compliance of BHEL standard Terms of payment:

Sl. 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 and issue of PBG.	(a) 100% Through Letter of Credit (LC) & issue of PBG	(a) 3.5 %
2	90% against "SIGHT DRAFT" + Balance 10% (wherever PBG is not accepted) in lieu of PBG	(b) 90% Through Letter of Credit (LC)	(b) 2.25 %

**B. For non compliance of Penalty clause:**

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

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

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

D. For Non conformance to delivery requirement of BHEL

BHEL requires the delivery of items within 4 months from the date of commercially clear PO. Delivery quoted more than 4 months will be subjected to a loading factor of 0.5 % per week as under:

Sl. No.	BHEL standard term	If you quote	Loading factor in % for non-compliance
1	4 months form date of PO	5 months	2 %

However any delivery quoted beyond 5 months is liable for rejection.

ANNEXURE-II(a)
LIST OF INTERNATIONAL AIRPORTS

Sl. 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 (Rossey), Lyon
12	Germany	Darmstadt, Manihem, Nurnberg, Hamburg, Stuttgart, Munich, Koln, Dusseldorf & Hannover, Frankfurt, Berlin
13	Hongkong	Hongkong
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	Bartislawa
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 II(b)

QUOTATION FORMAT PART – A TECHNICAL BID (IMPORTED)

Sl. 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	Terms of Payment: Against " SIGHT DRAFT " on presentation of documents to our bankers. (a) 90 % is payable on negotiation of complete set of original documents on receipt and acceptance of equipment & balance 10% against submission of PBG (b) Deviation if any please specify Note: as per clause 12	(a) Acceptable / Not acceptable (b)
3	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 supplied/delayed. (b) Deviation if any Please specify Note: As per clause 14	(a) Acceptable / Not acceptable (b)
4	Performance Bank guarantee: PBG for 10% of the basic material cost shall be furnished in the BHEL prescribed format as detailed in clause 15.	Yes / No
5	Terms of delivery: (a) F.O.B international Airport/Seaport as per clause 17 Indicate name of International Airport/Seaport (b) Deviation if any Please specify	(a)Acceptable / Not acceptable (b)
6	Warranty: (a) 12 months from the date of acceptance / commissioning (b) Deviation if any Please specify	(a)Acceptable / Not acceptable (b)
7	Delivery period: Indicate number of weeks from the date of issue of Purchase order	_____Weeks
8	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)

Signature of tenderer / with stamp



PERFORMANCE BANK GUARANTEE
(FOR FOREIGN PURCHASE ORDERS)

ANNEXURE-II (c)

BANK NAME AND ADDRESS

Electronics Division
Bharat Heavy Electricals Limited ,(B.H.E.L.)
Mysore Road, P.B.No. 2606
BANGALORE- 560 026
INDIA

Dear Sirs,

Ref: CONTRACT PERFORMANCE GUARANTEE.

WHEREAS you have entered into a contract reference No PO NO. _____ with M/s _____ having its registered office at _____ for the supply of _____ as detailed in your purchase order No. _____ which is hereinafter referred to as "the said contract" and **WHEREAS** M/s _____ has undertaken to produce a Bank Guarantee for 10% (Ten Percent) of the contract price amounting to _____ (_____) to secure its obligations to Electronics Division, BHEL having its registered office at New Delhi for the performance of the contract including the warranty of the equipment supplied, We _____ Bank , _____ hereby expressly, irrevocably and unreservedly undertake and guarantee as principal obligors on behalf of M/s _____ that in the event Bharat Heavy Electricals Ltd. (B.H.E.L.) declares to us in writing that M/s _____ has not fulfilled any obligation according to the contractual obligation of the said contract, to pay you on demand and without demur to Bharat Heavy Electricals Ltd., Electronics Division , Mysore Road, P.B.No. 2606, Bangalore-560 026, India an amount of _____ (in _____ words _____) subject to as may be determined below:



- 1) Notwithstanding any right M/s. _____ may have directly against you or any disputes raised by M/s _____, Your written demand shall be conclusive evidence to us that repayment is due under the terms of the said contract and shall be binding on us.
- 2) We shall not be discharged or released from this undertaking and Guarantee by any arrangements, variations made between you and M/s. _____ with or without our consent and Knowledge or by any alterations in the obligations of M/s. _____ by any forbearance whether as to payment, time, performance 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.
- 4) We agree and undertake not to revoke this guarantee during its validity unless discharged in writing by you subject to the provision of clause (7) below.
- 5) This guarantee shall be a continuing guarantee subject to the foregoing and shall not be discharged by any change in the constitution of the Bank or M/s. _____.
- 6) This guarantee shall be governed by and constructed in accordance with the Laws of India.
- 7) At any time _____ Bank may render this guarantee null and void by paying to Bharat Heavy Electricals Ltd. the full amount being _____ (in _____ words)

**For and on behalf of Bank
by its Authorised Signatory.**



Annexure - II (d)

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

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