



BHARAT HEAVY ELECTRICALS LIMITED PHONES:23774494 (EXCHANGE)

CORPORATE RESEARCH & DEVELOPMENT DIVISION
VIKASNAGAR, HYDERABAD - 500 093, INDIA

FAX : 91 40 23770698

RD:DP:MPX:F-04

ENQUIRY

To - Enquiry No: 571105661 Enq Date: 20-OCT-11 Due Date: 22-NOV-11 Delivery By: 31-DEC-11

PLEASE SUBMIT YOUR QUOTATION IN SEALED COVER SUPERSCRIBED WITH ENQUIRY NO, ENQUIRY DATE AND DUE DATE SUBJECT TO OUR TERMS AND CONDITIONS ENCLOSED, FOR THE FOLLOWING MATERIALS SO AS TO REACH US ON OR BEFORE THE DUE DATE BY 12 NOON. THE TENDERS WILL BE OPENED AT 2 PM ON THE SAME DAY

Pin

Email :

Attn. .

PLEASE GIVE REFERENCE OF ENQ NUMBER , ENQ .DATE AND DUE DATE IN ALL YOUR CORRESPONDENCE FOR PROMPT ACTION. IN CASE IF YOU ARE NOT MAKING THE OFFER PLEASE POST A REGRET LETTER AND RETURN THE DOCUMENTS.

SL NO	DESCRIPTION / SPECIFICATION	UNIT	QTY
1	SUPPLY,ASSEMBLY, ERECTION/INSTALLATION AND CABLING OF ELECTRICAL ITEMS FOR 250KWP SOLAR PHOTOVOLTAIC (SPV) POWER PLANT AT CORP.R&D, HYDERABAD AS PER SPECIFICATIONS ENCLOSED	LOT	1
1	COMPLETELY FILLED UP AND SIGNED VENDOR COMPLIANCE STATEMENT IS REQUIRED ALONG WITH YOUR OFFER. OTHERWISE YOUR OFFER WILL NOT BE PROCESSED FURTHER. a) ALL OFFERS MUST INCLUDE NAME OF CONTACT PERSON, PH / MOBILE. NO., FAX NO.; EMAIL-ID. UNSIGNED OFFERS ARE LIABLE FOR REJECTION. b) BEING A RESEARCH INSTITUTION RECOGNISED BY DEPT OF SCIENCE AND TECHNOLOGY, BHEL R&D CAN AVAIL CENTRAL EXCISE DUTY EXEMPTION IN TERMS OF GOVT NOTIFICATION 16/2007 - CENTRAL EXCISE DATED 1.3.2007. HENCE SUPPLIERS ARE REQUESTED TO SUBMIT THEIR BIDS WITH OUT EXCISE DUTY. c) TAXES & DUTIES QUOTED WILL BE TAKEN FOR COST EVALUATION & ORDER PLACEMENT AND NO CHANGE WILL BE ENTERTAINED LATER EXCEPT IN THE CASE OF CHANGES MADE BY THE GOVERNMENT. IN CASE ANY TAXES/DUTIES EXEMPTED, A SELF DECLARATION FOR THE SAME MAY BE ATTACHED TO THE OFFER. CHANGES IN TAXES AND DUTIES BECAUSE OF THE CHANGES IN TURNOVER ETC. WILL BE TO SUPPLIER'S ACCOUNT. d) WHEREVER VENDOR REGISTRATION FORM AND EFT DETAILS HAVE BEEN SUBMITTED EARLIER, THE SAME NEED NOT BE SUBMITTED AGAIN UNLESS THERE IS A CHANGE.		
2	PLEASE SUBMIT YOUR OFFER IN TWO PARTS AS PER ENCLOSED "GENERAL TERMS AND CONDITIONS OF ENQUIRY, LOADING FACTORS & CONTRACT FOR THE PURCHASE OF GOODS/ SERVICES" IN SEPARATE SEALED COVERS AS DETAILED BELOW: 1) FIRST COVER SHALL CONTAIN A) TECHNICAL & COMMERCIAL BID, B) COMPLIANCE STATEMENT, DULY FILLED-IN, C) UN-PRICED PRICE-BID, I.E. A COPY OF PRICE-BID, WITH PRICE(S) CELLS LEFT BLANK; 2) SECOND COVER SHALL CONTAIN PRICE BID. IF THE PRICE BID IS FOUND TO BE DIFFERENT FROM THE UN-PRICED PRICE BID IN ANY WAY, THE OFFER IS LIABLE FOR REJECTION.		
3	SUPPLIERS ARE REQUESTED TO VISIT OUR WEB SITE WWW.BHEL.COM REGULARLY FOR ANY UPDATES AND ADDITIONAL INFORMATION.		
4	ORDER WILL BE PLACED ON OVERALL L1 BASIS. VENDORS SHALL QUOTE FOR ALL ITEMS. INCOMPLETE OR PARTIAL OFFERS SHALL NOT BE PROCESSED.		



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5	BHEL RESERVES THE RIGHT TO PROCURE ABOVE ITEMS THROUGH REVERSE AUCTION AND SUBMISSION OF AN OFFER AGAINST THIS ENQUIRY IS AN IMPLICIT AGREEMENT FOR YOUR PARTICIPATION IN REVERSE AUCTION.
6	SCOPE OF SUPPLY INCLUDES, INSTALLATION / ERECTION AND COMMISSIONING.
7	GUARANTEE CERTIFICATE REQUIRED.
8	MANUFACTURER'S TEST CERTIFICATE REQUIRED.
9	INDIAN VENDORS : DESTINATION SHALL BE BHEL R&D STORES HYDERABAD. FOREIGN VENDORS : BHEL R.O.D. OFFICE MUMBAI INDIA.
10	ALL OFFERS SHALL BE VALID FOR A PERIOD OF 90 DAYS FROM THE DAY OF OPENING TECHNICAL BIDS.
11	ALL INDIAN OFFERS SHALL BE QUOTED AS: FOR BHEL R&D STORES, HYDERABAD. ALL FOREIGN SUPPLIERS SHALL QUOTE FOR FCA NEAREST INTERNATIONAL AIRPORT/ SEA PORT ONLY.
12	a) FOR INDIAN OFFERS : OUR STANDARD PAYMENT TERMS AS "100% PAYMENT ALONG WITH TAXES BY EFT/RTGS WITHIN 30 DAYS OF RECEIPT AND ACCEPTANCE OF MATERIAL AT BHEL R&D STORES, HYDERABAD". FOR OTHER PAYMENT TERMS THERE WILL BE A LOADING ON YOUR OFFER AS MENTIONED IN OUR "LOADING FACTORS" SHEET WHICH IS ENCLOSED TO THIS ENQUIRY. b) FOR FOREIGN CURRENCY OFFERS : BHEL STANDARD PAYMENT TERMS ARE "100% INVOICE VALUE BY WIRE TRANSFER WITHIN 30 DAYS OF RECEIPT AND ACCEPTANCE OF CONSIGNMENT AT BHEL R&D STORES, HYDERABAD". FOR OTHER PAYMENT TERMS THERE WILL BE A LOADING ON YOUR OFFER AS MENTIONED IN OUR "LOADING FACTORS" SHEET WHICH IS ENCLOSED TO THIS ENQUIRY.
13	SUPPLIERS SHALL HONOR DELIVERY DATE SPECIFIED IN THEIR OFFER. IN CASE OF DELAY BEYOND SPECIFIED DELIVERY DATE A PENALTY OF 0.5% PER WEEK ON THE VALUE OF UNDELIVERED PORTION OF BASIC MATERIAL COST SUBJECTED TO A MAXIMUM OF 10% OF ORDER VALUE, SHALL BE APPLIED AS PENALTY. IN CASE OF NON ACCEPTANCE TO THIS LD CLAUSE, 10% OF BASIC MATERIAL COST WILL BE LOADED ON THE QUOTED PRICES WHILE COST COMPARISON.
14	<p>GUIDELINES REGARDING DEALING WITH INDIAN AGENTS OF FOREIGN SUPPLIERS</p> <p>1. BHEL SHALL DEAL DIRECTLY WITH FOREIGN VENDORS, WHEREVER REQUIRED, FOR PROCUREMENT OF GOODS. HOWEVER, IF THE FOREIGN PRINCIPAL DESIRES TO AVAIL OF SERVICES OF AN INDIAN AGENT, THEN THE FOREIGN PRINCIPAL SHOULD ENSURE COMPLIANCE TO REGULATORY GUIDELINES WHICH REQUIRE MANDATORY SUBMISSION OF AN AGENCY AGREEMENT.</p> <p>2. IT SHALL BE INCUMBENT ON THE INDIAN AGENT AND THE FOREIGN PRINCIPAL TO ADHERE TO THE RELEVANT GUIDELINES OF GOVERNMENT OF INDIA, ISSUED FROM TIME TO TIME.</p> <p>3. THE AGENCY AGREEMENT SHOULD SPECIFY THE PRECISE RELATIONSHIP BETWEEN THE FOREIGN OEM / FOREIGN PRINCIPAL AND THEIR INDIAN AGENT AND THEIR MUTUAL INTEREST IN THE BUSINESS. ALL SERVICES TO BE RENDERED BY AGENT / ASSOCIATE, WHETHER GENERAL IN NATURE OR IN RELATION TO THE PARTICULAR CONTRACT, MUST CLEARLY STATED BY THE FOREIGN SUPPLIER / INDIAN AGENT. ANY PAYMENT, WHICH THE AGENT / ASSOCIATE RECEIVES IN INDIA OR ABROAD FROM THE OEM, WHETHER AS COMMISSION OR AS A GENERAL RETAINER FEE SHALL BE BROUGHT OUT IN RECORD IN THE AGREEMENT AND BE MADE EXPLICIT IN ORDER TO ENSURE COMPLIANCE TO THE LAWS OF THE COUNTRY.</p> <p>4. ANY AGENCY COMMISSION TO BE PAID BY BHEL TO THE INDIAN AGENT SHALL BE IN INDIAN CURRENCY ONLY.</p> <p>5. WHENEVER INDIAN AGENTS ARE REPRESENTING ON BEHALF OF THEIR PRINCIPALS THE RELEVANT AUTHORIZATION LETTER AND AGREEMENT COPY TO BE ENCLOSED ALONG WITH THE TECHNICAL BID TO CONSIDER THE OFFER.</p>

AS WE ARE ENGAGED IN R&D ACTIVITY "C" FORM WILL NOT BE ISSUED



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PLEASE FILL UP THE ENCLOSED VENDOR REGISTRATION FORM AND
SEND IT ALONG WITH YOUR QUOTATION. OTHERWISE YOUR
QUOTATION WILL NOT BE CONSIDERED.

Yours faithfully

BHARAT HEAVY ELECTRICALS LTD

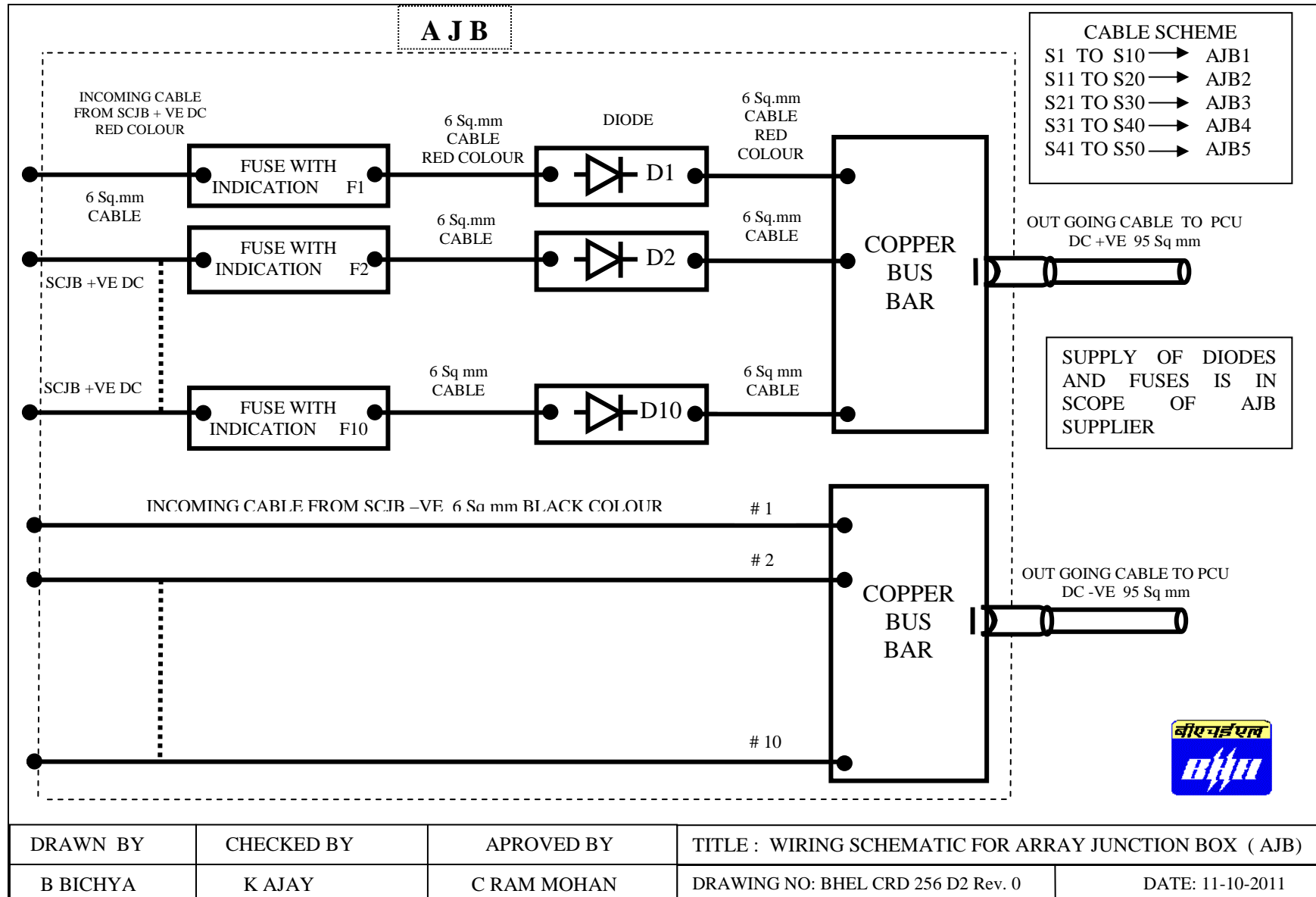
NALINI THILAK

Sr Dy Gen Manager

Email: nalini@bhelrnd.co.in

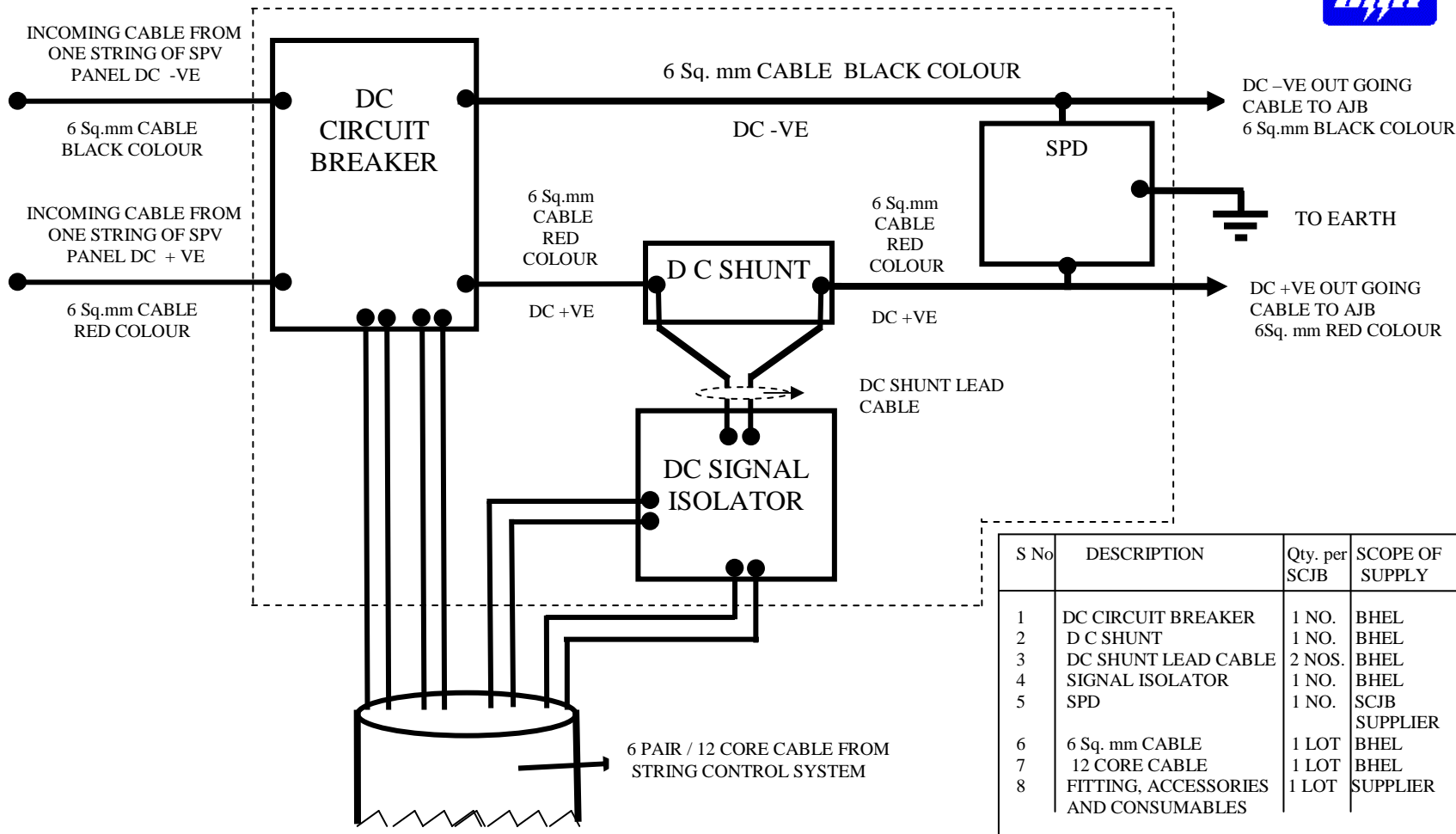
Direct Phone : 91-40-23882454

Mobile : 91-9849076669





SCJB



DRAWN BY	CHECKED BY	APROVED BY	TITLE :WIRING SCHEMATIC FOR STRING CONTROL JUNCTION BOX(SCJB)	
B BICHYA	K AJAY	C RAM MOHAN	DRAWING NO: BHEL CRD 256 D1 Rev. 0	DATE: 11-10-2011

1.0 Scope :

BHEL Corporate R&D is planning to set up a 250 kWp grid connected SPV power plant in their campus located at Vikasnagar, Hyderabad. Under the present tender, it is envisaged to procure and install electrical items. The scope of supply and detailed specs of electrical items are given at **Annexure – 1.**

2.0 Supplier / Bidder 's Compliance / Remarks for Annexure-I :

Technical Offer should contain copy of this document. Supplier / Bidder to clearly give their compliance / remarks against each section.



ANNEXURE – I

1.0 SCOPE OF SUPPLY FOR ELECTRICAL ITEMS:

S. No.	Item	Qty	Qty. Unit	Specification of the Item	Acceptance criteria
1	String Control Junction Boxes (SCJBs)	47	Sets.	<p>One set consists of one SCJB and one Surge Protection Diode (SPD):</p> <p>SCJBs shall be made of rust proof material and IP 65 rated. JB shall have a minimum dimensions of 500 (W) x 750 (H) x 300 (D) in mm. JB's shall have suitable arrangement for mounting and cable glands. .(Qty.: 1 No. for 1 set)</p> <p>SCJB Make: Rittel / ABB / Phoenix Contact / Seimens</p> <p>Surge Protection Diode (SPD) Make: Phoenix – USA / Obo Bettermann – USA / DHEN –U.K. (Qty.: 1 No. for 1 set) SPDs to be supplied loose with SCJBs.</p>	Recommended Makes / Model Nos.



S. No.	Item	Qty	Qty. Unit	Specification of the Item	Acceptance criteria
2	Array Junction boxes (AJBs)	5	Sets.	<p>One set consists of one AJB and ten numbers each of the following components:</p> <p>AJBs shall be made of rust proof material and IP 65 rated. JB shall have a minimum dimensions of 500 (W) x 750 (H) x 300 (D) in mm. JBs shall have suitable arrangement for mounting and cable glands.(Qty.: 1 No. for 1 set)</p> <p>AJB Make: Rittel / ABB / Phoenix Contact / Seimens</p> <p><u>AJB Components (to be supplied loose along with AJB):</u></p> <p>DC Fuse Make: GEC / L&T / Siemens / Standard / Bussmann. DC Fuses shall be DIN rail mountable, snap on type with fuse failure indication. .(Qty.: 10 Nos. for 1 set)</p> <p>String Diode Make: Semikron / Fuji / Usha make. They shall be of 32 A forward current rated with PIV of 1KV rating. Heat sink for the diode shall be individual and mounted outside the box for better thermal dissipation by providing proper gasket. .(Qty.: 10 Nos. for 1 set)</p>	Recommended Makes / Model Nos.

S. No.	Item	Qty	Qty. Unit	Specification of the Item	Acceptance criteria
3	Earthing material				
	a. PV array structure earthing	10	Sets	<p>One set consists of :</p> <ol style="list-style-type: none"> 10 mm² (Minimum) Copper cable (with yellow & green stripes) which shall be: <ol style="list-style-type: none"> Made of annealed, multi stranded copper Halogen- free Flame retardant PVC insulated and PVC sheathed Temperature resistant (80 Deg. C or better) 1100 V rated confirming to IS 1554 / IS 694 part –I amended up-to date.. Make of cables : KEI, UCL, Cable corporation of India Ltd, NICCO, Polycab, Advance, Lapp cables / Incab, Finolex/ Fort Gloster / Asian / Paramount Cable Corporation/ Paragon cable .(Qty.: 50 metres for 1 set) Aluminum strips of 25 mm (W) x 3 mm (Thickness) dimension .(Qty.: 15 metres for 1 set) Super earth kit (Qty.: 4 Nos. per set) 	Supply shall be as per list of components

S. No.	Item	Qty	Qty. Unit	Specification of the Item	Acceptance criteria
3	Earthing material				
	b. Copper Flat Earthing for Control cubicles (control room earthing)	1	Set	One set consists of: <ol style="list-style-type: none"> Copper Flat of 25 mm (W) x 3 mm (Thickness) dimension (Qty.: 35 metres per set) Copper Plate of 600 mm x 600 mm x 3 mm (Qty.: 3 Nos. per set) 	Supply shall be as per list of components
4	Lightening Arrestor (LA) with its earthing material	2	Sets.	<p>LA shall be of Early Streamer Emission (ESE) type. Earthing for Lightning Arrestor shall be of 4 pole structure. Governing Standard : IS 2309 amended up-to date.</p> <p>LA for yard (1 set): Protection shall cover the yard of dimensions 160 (L) x 25 (W) x 6 (H) in metres.</p> <p>LA for control room building (1 set): Protection shall cover the building of dimensions 50 (L) x 20 (W) x 10 (H) in metres.</p> <p>LA Make: Ingessco / ABB / PHOENIX</p> <p>Earthing material : Aluminum 25 mm (W) x 3 mm (Thickness) dimension (Total Qty. for 2 sets: 50 metres)</p>	Recommended Makes / Model Nos.

1.1 Notes :

- For all bought-out items, Supplier shall submit necessary technical document(s) like catalogs, drawing(s), manuals for operation, maintenance & testing (wherever applicable) from Original Equipment Manufacturer (OEM).
- For all fabricated items, Supplier shall prepare and furnish necessary document(s).



2.0 SCOPE OF ASSEMBLY, ERECTION / INSTALLATION AND CABLING:

S. No.	Activity Description	Qty	Qty. Unit	Supplier's Scope	Acceptance criteria
1	Installation of SCJBs	47	Nos.	Wiring schematic details are given in BHEL Dwg. No. BHEL CRD 256 D1 Rev. 0 (1 sheet). Required earthing for SPDs is in supplier's scope. Supplier to submit General Arrangement (GA) drawing(s) for approval by BHEL before assembly at site. SCJBs are to be erected at suitable locations identified for each string at site as per BHEL instructions. Mounting material of JB's shall be galvanized MS angles of suitable section.	Assembly check as per BHEL approved GA drawing(s) and wiring check as per BHEL Dwg. No. BHEL CRD 256 D1 Rev. 0 (1 sheet) and installation check as per BHEL instructions.
2	Installation of AJBs	5	Nos.	Wiring schematic details are given in BHEL Drawing (Dwg.) No. BHEL CRD 256 D2 Rev. 0 (1Sheet). Supplier to submit GA for approval by BHEL before fabrication and assembly. AJBs are to be erected at suitable locations identified for each array at site as per BHEL instructions. Mounting material of JB's shall be galvanized MS angles of suitable section.	Assembly check as per BHEL approved GA drawing(s) and wiring check as per BHEL Dwg. No. BHEL CRD 256 D2 Rev. 0 (1 sheet) and installation check as per BHEL instructions.

S. No.	Activity Description	Qty	Qty. Unit	Supplier's Scope	Acceptance criteria
3	Inter-module interconnection, connecting SCJBs and bringing up to AJBs	1	Lot	20 Nos. of PV modules, shall be connected in series to form a string through snap on connectors mounted in each PV module. Each string output shall be brought via 6 mm ² cable to one SCJB. From a set of ten adjacent SCJBs, cables are to be brought to one AJB. This is to be replicated for remaining AJBs. Red cable shall be used for positive and black cable for negative voltage.	Continuity test
4	Cabling from array AJBs to Power Conditioning Unit (PCU)	1	Lot	Cables drawn from the array yard (2 runs 1 core 95 sq. mm) shall be drawn through a trench. The maximum size of the trench shall be 0.5 m depth, 0.5 m width. Sand layer of 100 mm shall be placed on the trench up on which the cables are laid. On the laid cables, bricks will be placed along the length of the trench and covered with excavated earth. At periodic locations, along the trench marking plates with inscriptions describing the type of cable shall be installed. PCU is supplied by BHEL.	Continuity test
5	Installation of weather sensors	1	Lot	The weather sensors (supplied by BHEL) consisting of wind speed, wind direction, ambient temperature, rainfall, sun irradiation are to be mounted in the yard as per the instructions of BHEL.	Installation check as per BHEL instructions.
6	Installation of String Control System (SCS)	1	Set	SCS (supplied by BHEL) is to be erected in control room as per the instructions of BHEL.	Installation check as per BHEL instructions.
7	Cabling of DC signal cables from SCJBs to SCS	1	Lot	A 12 core signal cable from each SCJB is to be drawn from the yard to SCS via underground as per BHEL instructions.	Continuity test

S. No.	Activity Description	Qty	Qty. Unit	Supplier's Scope	Acceptance criteria
8	Cabling of DC signal cables weather sensors to SCS	1	Lot	Signal cables from weather sensors mounted in yard are to be connected to SCS located in the control room.	Continuity test
9	Inter-panel cabling between Power distribution unit (PDU), PCU	1	Lot	The supplier should carry out the inter panel wiring required for integration of PDU, PCU (supplied by BHEL) . The inter panel wiring includes, power cables and signal cables.	Continuity test
10	Cabling from PCU to switchyard	1	Lot	Cables drawn from the PCU to switch yard (1 run of 3 ¹ / ₂ core 240 sq. mm) shall be drawn through a trench. The maximum size of the trench shall be 0.5 m depth, 0.5 m width. Sand layer of 100 mm shall be placed on the trench up on which the cables are laid. On the laid cables bricks will be placed along the length of the trench and covered with excavated earth. At periodic locations along the trench marking plates with inscriptions describing the type of cable shall be installed. All cable entry/exit from cubicles shall be through single compression glands of plated brass.	Continuity test
11	Erection of earthing material				
	a. SPV Array structure	1	Lot	As per BHEL Dwg No. 3-679-05-00338 Rev. 0 (1 sheet) and BHEL Dwg. No. 3-679-05-00341 Rev. 0 (1 sheet). For each earth pit, necessary Test Point shall have to be provided.	Earth resistance shall be as per IS 3043 amended up-to date.

S. No.	Activity Description	Qty	Qty. Unit	Supplier's Scope	Acceptance criteria
11	Erection of earthing material				
	b. Control cubicles (PCU, SCADA, SCS)	1	Lot	As per BHEL Dwg No. 3-679-05-00229 Rev. 0 (1 sheet). For each earth pit, necessary Test Point shall have to be provided.	Earth resistance shall be as per IS 3043 amended up-to date.
12	Erection of LA				
	a. For Array yard	1	Lot	The lightning conductor shall be earthed through flats as per IS 3043 amended up-to date to earth pits. Civil job is in supplier scope. Foundation for holding the lightning conductor in position to be made for a wind speed 100 kmph (maximum) and maintenance requirement at site in future.	Earth resistance shall be as per IS 3043 amended up-to date.
	b. For Control Room Building:	1	Lot	The lightning conductor shall be earthed through flats as per IS 3043 amended up-to date to earth pits. Civil job is in supplier scope. Foundation for holding the lightning conductor in position to be made for a wind speed 100 kmph (maximum) and maintenance requirement at site in future.	Earth resistance shall be as per IS 3043 amended up-to date.

2.1 Notes :

1. The approximate area of SPV plant is about (160 m x 25 m) 4000 m².
2. Shortest distance from SPV plant to control room is approximately 25 m.

3. Maximum distance from switchyard to control room is approximately 200 m.
4. BHEL instructions means instructions regarding, fabrication, assembly, mounting, Cable routing, termination details (for ferruling, tagging), JB location and any other similar guidelines required for proper job execution at site. These instructions shall be provided to Supplier by BHEL at time of job execution.
5. Fabrication of suitable supports for JB and all necessary tray additions / modifications are in Supplier scope.
6. Supplier shall supply all necessary "Consumables" necessary to complete the job such as
 - i. **MC4 type male/ female connectors** for snap-on connection between SPV modules for formation of **strings**
 - ii. **Terminal Block (TB)** of Phoenix Contact / Wago / Weidmuller make and which shall have silver plated contacts & shall be DIN rail mountable
 - iii. **Signal cable Lug** of Phoenix Contact / Wago / Weidmuller / Dowell
 - iv. **Power cable Lug** of Dowel / Crown or Niko/ Forward Engg make
 - v. **Conduits**
 - vi. **Cable glands**
 - vii. **Cable Trays**
 - viii. **Civil material**
3. Items listed out in "Consumables" (S. No. 2 of Section 2.1) are indicative nature only. Supplier need to supply only those items as deemed necessary to complete the job. Also, it should be noted that list is not exhaustive. In case the Supplier needs to supply any item other than those mentioned in the list, Supplier can do so by taking prior BHEL approval regarding Makes / Model Nos.
4. The dimension, material (wherever applicable) of the cable trays, trenches shall be furnished to BHEL for approval before the commencement of supplies / activities.

3.0 INSPECTION & TESTING:

1. Inspection shall be carried out by BHEL representative for both Supply as well as Assembly, Erection / Installation and Cabling activities as per the Acceptance Criteria mentioned in the relevant sections.
2. Tests (wherever applicable) are to be carried out by Supplier in the presence of BHEL representative for both Supply as well as Assembly, Erection / Installation and Cabling activities as per the Acceptance Criteria mentioned in the relevant sections.

4.0 TERMS AND CONDITIONS:

1. **Arranging all necessary tools and tackles including tool consumables needed for the Assembly, Erection / Installation and Cabling are in Supplier scope.**
2. Supplier should carry out Assembly, Erection / Installation and Cabling as per BHEL Technical Specifications / Instructions. After completion, Supplier should offer for inspection and job shall be checked for conformity with relevant BHEL specifications / Instructions.
3. The job is to be carried out in such a manner that will not cause any inconvenience to the other agencies working in the site.
4. After completion of the job, the entire site / area will be cleaned of debris etc. prior to handing over of the site to BHEL.
5. **During inspection to comply with BHEL Technical Specifications / instructions, if Supplier carries out any changes then, such changes shall NOT be treated as EXTRA WORK.**

88300-50-679-3
DRG. No.

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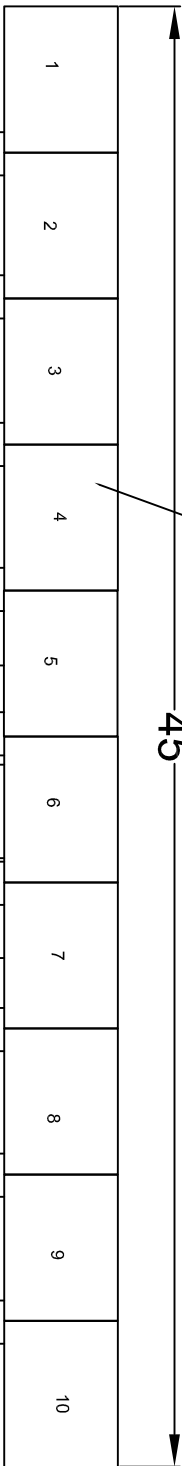
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10 MODULE
STRUCTURE

45



ALUMINUM
STRIP

SUPER EARTH KIT
4 NOS AT 3 M DISTANCE EACH

YELLOW-GREEN 10 SQ.MM
WIRE

EARTH POINT
(J-BOLT OF
STRUCTURES)

NOTE : 1. USE 10 SQ.MM YELLOW-GREEN WIRE TO INTER CONNECT
ADJACENT STRUCTURES BY LINKING VIA FOUNDATION BOLTS &
FROM THERE TO SUPER EARTH KITS.

2. FOLLOW THE SAME FOR EVERY 10 STRUCTURE

3. USE ALUMINIUM STRIP OF 25 X 3 mm THK TO INTERCONNECT
SUPER EARTH KITS.

ALL DIMENSIONS IN METERES

PRODUCT : SPV POWER PLANT EARTHING
CUSTOMER: LAKHADWEEP ELECTRICITY DEPARTMENT

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

EARTHING FOR MODULE STRUCTURES

No. of
SHEETS 01
SHEET 01
REV 00

INVENTORY No.

SIGN. & DATE

REF. DRG. No.

REV.	DATE	ALTERED CHECKED	APPROVED

REV.	DATE	ALTERED CHECKED	APPROVED

NAME	SIGN	DATE
GOP I		JAN'11
GLN		JAN'11
BNR		JAN'11

DEPT.	CODE
SC&P V	4.39

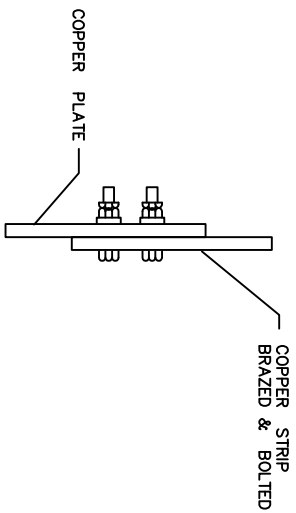


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600x600x3mm - COPPER PLATE

150 150 600 150

ALTERNATE LAYER OF CHARCOAL / COKE & SALT



NOTE: BOLT, NUTS, CHECKNUTS
& WASHERS SS :304
REF.STANDARD : IS:3043

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE	DRAWING NO.	REV.
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3-679-05-00229

DRAWING NO.	REV.
3-679-05-00229	00
SHEET NO. 01	NO. OF SHEETS 01
7	8

14E00-50-679-C

NO. DRAWING

3

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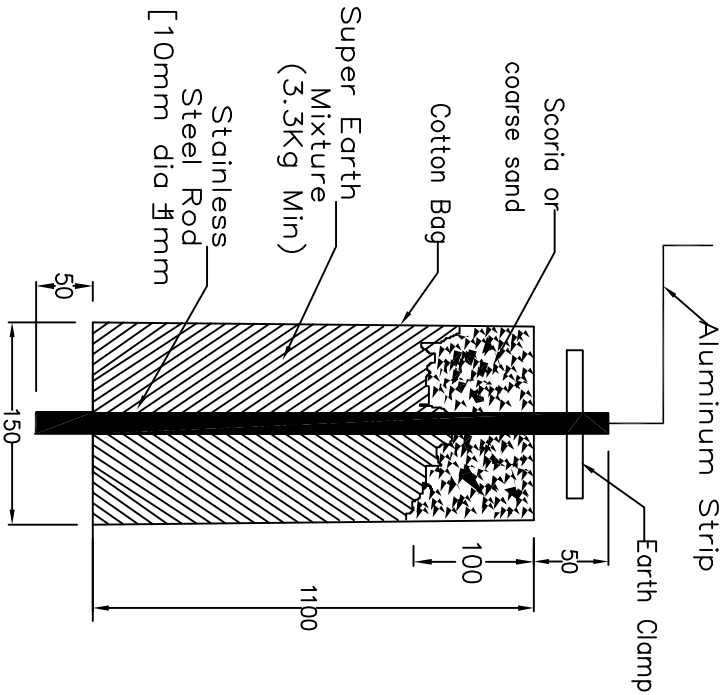
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8

SUPER EARTH KIT

PROCEDURE FOR INSTALLATION :

1. Drill a hole of Diameter 4" to a depth of 4 feet.
2. Lower the Earth kit into the pit after removing the plastic cover.
3. See that about 6" remains above the ground by holding with one hand..
4. Fill the pit with super earth kit .
5. Remove the clamp & lower the mouth of the cloth bag into the hole & cover with soil.
6. The top 1" of the hole may be filled with gravel, small stones & sand.
7. connect the Aluminum earth Strip from the equipment to be grounded to the central SS rod of the Earth kit.
8. Fix the Galvanised clamps on this Aluminum earth Strip & tighten firmly using the SS nut & Bolt.
9. Water the Earth pits regularly to maintain high moisture level
10. If more that one Earth kit is being used ensure a minimum distance of 9 feet (3 mts) between adjacent earth Kits.



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REF. DRG.NO.

SIGN & DATE

INVENTORY NO.

REV.

DATE

ALTERED
CHECKED
APPROVED

REV.

DATE

ALTERED
CHECKED
APPROVED

REV.

DATE

ALTERED
CHECKED
APPROVEDDEPT.
CODEFOR UNSPECIFIED-
TOLERANCES
REFER ED 0230499

SCALE

WEIGHT(Kg)

REF. TO ASSY. DRG.

ITEM NO.

TITLE

SUPER EARTH KIT

DRAWING NO.

3-679-05-00341

REV.

SHEET NO.


NO. OF SHEETS



BHARAT HEAVY ELECTRICALS LIMITED
CORPORATE R&D DIVISION, VIKAS NAGAR, HYDERABAD – 500 093, AP, India
General Terms and Conditions of Enquiry & Contract for the Purchase of Goods/ Services

1. The quotation and any order resulting from this enquiry shall be governed by these General Terms and Conditions of enquiry and contract for the supply of goods and the supplier quoting against this enquiry shall, unless specifically stipulates any different terms or conditions, be deemed to have read and agreed to the same.
2. Sealed quotations in double cover with tenderer's distinctive seal, superscribing enquiry number, date and due date are to be submitted so as to reach on or before due date & time, addressed to **Additional General Manager(MM), Bharat Heavy Electricals Limited, Corporate Research & Development Division, Vikasnagar, Hyderabad, Andhra Pradesh, India – PIN-500 093, India** to be deposited in Tender Box located at Security gate for hand deliveries.
In the case of **Two-part bid**, each inner cover shall clearly be labeled as a) **Technical & Commercial Bid** containing technical data/ drawings/ catalogues/ quality plans along with commercial terms and conditions & copy of the price bid with the price columns left blank (unpriced price bid), b) **Price bid** containing prices quotes. Installation and/or Commissioning charges shall be spelt out in absolutely lucid terms, taking into account total charges, rather than quoting vaguely, such as charges per man-day or charges per engineer per day etc. **If the price bid was found later to be different from the unpriced price bid in any way, the offer will be rejected summarily.** The rate shall be quoted in both figures and in words.
3. Any Supplier (Agents/distributors/ representatives) desirous of quoting imported goods/ services, they should submit the quote in foreign currency along with agency agreement copy, failing which their offer is liable for rejection. In case of non-submission of agreement copy, the principal should submit quotation to BHEL directly. Foreign suppliers will also indicate in their offer Indian agent's name, if any, and address with percentage of agency commission out of the quoted price, if any. Name and Address of the supplier's Bankers address should also be given
4. **Tender/ Technical bid Opening:** Unless specified otherwise, tenders/ technical bids will be opened on appointed date and time as mentioned in the enquiry or as communicated changed date/time, if any, in the presence of such of those tenderers who may be present.
5. **Late Tender:** Tenders received after tender due date/ time (12:00 hrs) shall be treated as late tenders and will not be considered..
6. The Quotation should be free from overwriting and erasures. Corrections and additions, if any, must be attested. Incase of difference in unit price and corresponding total value or figures or words/text, the buyer (BHEL) reserves the right to select the figures or words/text leading to lowest cost to buyer.
7. Supplier should indicate in the quotation dimensions (Size), weight, rate etc., in the metric system unless the enquiry calls for different unit.
8. **Validity of Quotation:** All quotations shall be kept open for acceptance for a period of ninety days from the date of opening of Tenders/ Technical bid and this shall be deemed to be an express condition of all quotations.
9. In the case of Two-part bid, the vendor should furnish technical clarifications, if any, within stipulated time mentioned, failing which, it will be construed that the vendor is not interested in the tender and BHEL shall not consider the offer for further evaluation.
10. **Price Impact:** In the event of any bidder, after finalizing the technical specifications and scope of supply, opting to revise their original bid, they have to submit the Price-Impact only. The Original price bid along with Price-Impact bid shall be opened during pricebid opening. Unsolicited bids will not be considered.
11. **Pricebid Opening:** Unless specified otherwise in the enquiry, the Price bids of technically qualified vendors shall be opened with prior intimation in the presence of such of those tenderers who may be present.
12. **Conformity to Specifications:** The material should be of the best quality and shall be conforming to our specification given in our enquiry. Unless otherwise agreed upon by BHEL, no payment shall be due by BHEL in respect of any sample. Offers without details of specifications/ applicable catalogues will not be considered and are liable to be rejected.
13. **Terms of Delivery:** All Suppliers shall quote the lowest prices on EXW/ FOB/ FCA basis in case of foreign suppliers and on ex-works /Free-on-Rail/Road /F.O.R-destination basis in case of Indian/ indigenous Supplies, indicating packing & forwarding charges if any, separately.
14. **Taxes and Duties:** Unless specified otherwise in the enquiry, BHEL do not provide "C" Form as it is engaged in R&D. All Indian suppliers shall clearly mention current Sales Tax/ VAT, Excise Duty, and Service Tax etc, if any, payable in addition to the quoted price and indicate applicable rates/ percentage, item-wise clearly. The vendors should mention applicable Registration Number(s) specifically in their quotation. Being a research institution, BHEL R&D is exempt from Customs duty against direct imports from foreign suppliers and exempt from Central excise duty against indigenous suppliers as per Govt. of India. Hence, suppliers are requested to submit their bids clearly stating applicable taxes/ duties. The quoted taxes/ duties will be taken for cost evaluation & order placement and no change will be entertained later except in the case of changes made by the Government.
15. **Insurance:** Insurance will be arranged by BHEL in case of Ex-Works as well as FCA / FOB basis supplies.
16. **Terms of Payment:** Full payment will be made within 30 days after receipt, inspection and acceptance of the material (and where involved, Erection and commissioning of the material/ equipment at BHEL/Destination) though Electronic Fund transfer (RTGS/NEFT/SEFT) with bank charges, if any, to the supplier's account. For foreign suppliers, the preferred payment term will be on wire transfer basis and bank charges inside India will be to BHEL account and outside India will be to supplier's account.
17. **Pricebid evaluation:** All offers shall be evaluated based on unit price, P&F, taxes/duties, freight charges if any, loading due to non-acceptance of our standard terms. All foreign offers shall be evaluated based on exchange Rate (TT Selling rate of State Bank of India) as applicable at technical bid opening date. Suppliers shall quote competitive price and best delivery for all the items mentioned in the enquiry. BHEL reserves the right to reject partial quotations and to place order on overall landed cost basis. Correct date of effecting supplies in the event of an order should be indicated in the offer. If the supplier's quoted terms are different from BHEL standard terms, their offers will be evaluated as per Loading factors form sent along with enquiry.
18. **Packing:** The supplier shall be responsible for the goods being properly and adequately packed so as to prevent any loss, damage or deterioration during transit and indicate packing charges, if any, separately.
19. **Part/ Split Ordering:** BHEL reserves right to Order part of the item/ quantity of the enquiry and/or split the order among qualified vendors.
20. In case the goods enquired are on Rate Contract basis with any other unit of BHEL, such fact should be clearly indicated in the quotation giving full particulars of Rate Contract number, validity and price and also your willingness to comply with order if placed against such Rate Contract. A true copy of Rate contract signed by the supplier should be sent with the quotation.
21. **Inspection:** On receipt, the goods shall be subjected to inspection and also test, if necessary, and our decision regarding the acceptability of the goods shall be final and binding on the suppliers.
22. **Penalty for late delivery:** The time stipulated for delivery of goods shall be deemed to be the essence of the contract and delivery must be completed within the stipulated date/s. In the event of supplier's failure to supply the goods by the stipulated date/s, a penalty of ½% per week for the delayed no of weeks or part thereof for the undelivered portion of PO subject to a maximum of 10% of total order value shall be levied at the discretion of BHEL.
23. **Withdrawal from the Contract:** In case the supplier withdraws their offer before placement of order, BHEL reserves the right not to send next enquiry(ies). In case the supplier withdraws the quotation after its acceptance by BHEL or fails to supply the goods as per the terms and conditions of contract, or at any time repudiated the contract wholly or in part, BHEL shall be at liberty to cancel the Purchase Order and to recover from the supplier the extra cost and other loss, incidentals due to the breach of contract on the part of the supplier through risk purchase.
24. **Guarantee/ Warranty certificate and Manufacturer's Test report:** Invariably in all cases where it is so stipulated, the supplier should furnish Guarantee/ Warranty certificate valid for a period of 18 months from date of supply or 1 year from the date of receipt, acceptance and commissioning (or more, if provide by oem) whichever earlier and manufacturer's Test report along with the goods, failing which, BHEL shall have the right to reject the goods.
25. **Recovery of Dues:** BHEL shall recover any amount due from the supplier or any amount outstanding to the credit of the supplier with BHEL R&D unit or any other BHEL unit(s) and/or by legal action.
26. **Arbitration & Forum for Legal Proceedings:** All disputes arising in connection with indigenous/ foreign supplies shall be settled through arbitration held at Hyderabad, AP, India and arbitrator shall be appointed by BHEL from the enlisted panel. The Courts at Secunderabad/ Hyderabad, AP, India shall have jurisdiction in respect of any suit or other legal proceeding arising from or relating to this contract

The rights and remedies of BHEL stated in these General terms and conditions shall be in addition and supplemental to its rights and remedies under law and custom or usage of trade or business and shall in no way be deemed to limit, curtail, supercede or derogate from its said rights and remedies.

BHEL R&D RD:DP:MPX:F-22		LOADING FACTORS			
NOTE : IN CASE OF DEVIATION TO BHEL TENDER SPECIFIED TERMS, LOADING FACTOR INDICATED IN FOLLOWING TABLE WILL BE APPLIED TO QUOTED PRICE WHILE EVALUATING THE LOWEST QUOTE ()					
A. FOR INDIGENOUS PURCHASES					
SLNO	SCOPE	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED	LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS
A.1	SUPPLY OF EQUIPMENT	PAYMENT TERMS	100% PAYMENT, WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF MATERIAL	SAME	NIL
PAYMENT AGAINST PROFORMA INVOICE / DESPATCH DOCUMENT OR CASH ON DELIVERY (COD) / CASH AGAINST PROOF OF DESPATCH				11% PER ANNUM INTEREST ON THE TOTAL PO VALUE FOR ONE MONTH	
ADVANCE PAYMENT WITH BANK GUARANTEE				11% PER ANNUM INTEREST ON THE TOTAL VALUE FOR OFFERED DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH	
PART ADVANCE PAYMENT WITH SUPPORTING BANK GUARANTEE AND BALANCE WITH IN 30 DAYS				11% PER ANNUM INTEREST ON ADVANCE FOR OFFERED DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH	
PART ADVANCE PAYMENT WITH SUPPORTING BANK GUARANTEE AND BALANCE ON RECEIPT OF MATERIAL				11% PER ANNUM INTEREST ON ADVANCE FOR OFFERED DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH AND 11% PER ANNUM INTEREST ON BALANCE AMOUNT FOR ONE MONTH	
A.2	SUPPLY OF EQUIPMENT INCLUDING E&C	PAYMENT TERMS (THE SUPPLIER MUST SUBMITT A PERFORMANCE BANK GUARANTEE (PBG) FOR 10% OF THE BASIC VALUE OF THE ORDER VALID FOR WARRANTY PERIOD.)	90% PAYMENT, WITH IN 30 DAYS FROM THE DATE OF RECEIPTAND ACCEPTANCE OF MATERIAL . BALANCE 10% WITH IN 30 DAYS OF COMPLETION OF E&C AND ON SUBMISSION OF PERFORMANCE BANK GUARANTEE (PBG) FOR 10% OF BASIC PO VALUE.	SAME	NIL
100% PAYMENT WITH IN 30DAYS AFTER COMPLETION OF SUPPLIES AND ERECTION AND COMMISSIONING				NIL (PBG WILL NOT BE INSISTED FROM THE SUPPLIER)	
90% PAYMENT AGAINST PROFORMA INVOICE/ DESPATCH DOCUMENT OR CASH ON DELIVERY (COD) / CASH AGAINST DESPATCH AND BALANCE 10% WITH IN 30 DAYS OF E&C				11% PER ANNUM INTEREST ON 90% OF THE VALUE OF PO FOR ONE MONTH	
90% PAYMENT AGAINST PROFORMA / DESPATCH DOCUMENT OR CASH ON DESPATCH (COD) / CASH AGAINST DESPATCH AND BALANCE 10% AFTER COMPLETION OF E&C				11% PER ANNUM INTEREST ON TOTAL PO VALUE FOR ONE MONTH	
90% ADVANCE PAYMENT WITH BANK GUARANTEE AND BALANCE 10% WITH IN 30 DAYS OF E&C				11% PER ANNUM INTEREST ON 90% OF THE TOTAL VALUE FOR DELIVERY PERIOD(ROUNDED OF TO THE NEAREST MONTH) + 1 MONTH	
PART ADVANCE (x%) PAYMENT WITH SUPPORTING BANK GUARANTEE AND (90 - x) % PAYMENT ON RECEIPT OF MATERIAL AND 10% PAYMENT WITH IN 30 DAYS AFTER E&C				11% PER ANNUM INTEREST ON THE ADVANCE AMOUNT FOR THE DELIVERY PERIOD(ROUNDED OF TO THE NEAREST MONTH)+ 1 MONTH AND 11% PER ANNUM INTEREST ON (90-X)% PAYMENT FOR ONE MONTH	
PART ADVANCE (x%) PAYMENT WITH BANK GUARANTEE AND (90 - x) % PAYMENT ON RECEIPT OF MATERIAL AND 10% PAYMENT AFTER E&C				11% PER ANNUM INTEREST ON THE ADVANCE AMOUNT FOR THE DELIVERY PERIOD(ROUNDED OF TO THE NEAREST MONTH)+ 1 MONTH AND 11% PER ANNUM INTEREST ON BALANCE AMOUNT	

SLNO	SCOPE	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED	LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS
B. FOR FOREIGN PURCHASES (IMPORTED)					
B.1	SUPPLY OF EQUIPMENT	PAYMENT TERMS.	AGAINST SIGHT DRAFT ON PRESENTATION OF DESPATCH DOCUMENTS VIZ INVOICE, AWB ETC TO OUR BANKERS (ALL BANK CHARGES INSIDE INDIA TO BHEL ACCOUNT AND OUTSIDE INDIA WILL BE TO THE SUPPLIER'S ACCOUNT)	SAME	NIL
				100% PAYMENT AFTER RECEIPT AND ACCEPTANCE OF MATERIAL AT BHEL R&D BY WIRE TRANSFER. (DESPATCH DOCUMENTS WILL BE SENT TO BHEL R&D DIRECTLY ALONG WITH BANK DETAILS)	NIL
				LC PAYMENT	11% PER ANNUM INTEREST ON THE BASIC VALUE FOR ONE MONTH
				ADVANCE BY WIRE TRANSFER WITH BANK GUARANTEE	11% PER ANNUM INTEREST ON THE BASIC VALUE FOR DELIVERY PERIOD + 1 MONTH
				PART ADVANCE (x%) PAYMENT WITH SUPPORTING BANK GUARANTEE AND BALANCE PAYMENT AFTER RECEIPT OF MATL	11% PER ANNUM INTEREST ON THE ADVANCE AMOUNT FOR THE DELIVERY PERIOD+ 1 MONTH AND 11% PER ANNUM INTEREST ON BALANCE AMOUNT FOR ONE MONTH
B.2	SUPPLY OF EQUIPMENT INCLUDING E&C	PAYMENT TERMS (THE SUPPLIER MUST SUBMITT A PERFORMANCE BANK GUARANTEE (PBG) FOR 10% OF THE BASIC VALUE OF THE ORDER OF THE BASIC VALUE OF THE ORDER VALID FOR WARRANTY PERIOD.)	90% PAYMENT WILL BE MADE WITH IN 30 DAYS FROM THE DATE OF RECEIPT OF MATERIAL ON ACCEPTANCE AND BALANCE 10% WITH IN 30 DAYS OF COMPLETION OF E&C AND ON SUBMISSIONOF PERFORMANCE BANK GUARANTEE FOR 10% OF BASIC VALUE	SAME	NIL
				LC PAYMENT FOR 90% OF THE ORDER VALUE + 10% AFTER E&C WITH IN 30 DAYS	11% PER ANNUM INTEREST ON 90% OF BASIC VALUE FOR ONE MONTH
				90% OF BASIC VALUE AS ADVANCE BY WIRE TRANSFER WITH BANK GUARANTEE AND BALANCE 10% AFTER E&C BY WIRE TRANSFER WITH IN 30 DAYS	11% PER ANNUM INTEREST ON 90% OF THE BASIC VALUE FOR DELIVERY PERIOD + 1 MONTH
				x% OF TOTAL VALUE AS ADVANCE PAYMENT WITH BANK GUARANTEE AND BALANCE (I.E. 90-X)AFTER RECEIPT OF MATL BY WIRE TRANSFER AND 10% AFTER COMPLETION OF E&C	11% PER ANNUM INTEREST ON THE ADVANCE AMOUNT FOR THE DELIVERY PERIOD+ 1 MONTH AND 11% PER ANNUM INTEREST ON BALANCE AMOUNT OF 90% OF ORDER VALUE (I.E. 90-X%)
C. PERFORMANCE BANK GUARANTEE, PBG (COMMON FOR INDIGENOUS AND IMPORTS)					
C.1		PERFORMANCE BANK GUARANTEE	PBG FOR 10% OF THE BASIC PO VALUE SHALL BE FURNISHED IN BHEL PRESCRIBED FORMAT.	IF NOT AGREED	10% OF THE BASIC MATERIAL COST
D. PENALTY (COMMON FOR INDEGENOUS & IMPORTS)					
D.1		LD CLAUSE	IN THE EVENT OF DELAY IN AGREED CONTRACTUAL DELIVERY, PENALTY OF 0.5% (HALF PERCENT) PER WEEK BUT LIMITED TO A MAX OF 10% VALUE OF UNDELIVERED PORTION OF BASIC MATERIAL COST WILL BE APPLICABLE	AGREED	NIL
				IF NOT AGREED	10% OF THE BASIC MATL COST
				IF AGREED FOR 5%	5% OF THE BASIC MATERIAL COST
				OTHER THAN THE ABOVE	10% MINUS THE AGREED MAX PERCENTAGE OF THE BASIC MATERIAL COST WILL BE LOADED.



RD:MPX:F-17

BHARAT HEAVY ELECTRICALS LIMITED
CORPORATE R&D Division
Vikasnagar, Hyderabad – 500093, India.

Suppliers' compliance statement to basic conditions of enquiry
 (to be submitted along with Technical & Commercial bid)

Enquiry number::

Enquiry date::

(In case Order to be placed on Indian supplier in Indian currency)

	BHEL R& D's terms & Conditions	Supplier's compliance (indicate Yes/No. if 'No', state terms desired)
1) Validity of offer	Unless specifically mentioned in the enquiry, 90 days from the tender opening date	
2) Delivery requirements	Free delivery at our stores or FOR destination (or as indicated in the enquiry)	F.O.R Delivery: within ____ weeks from PO date
3a) Warranty	Unless specifically mentioned in the enquiry, all supplied items to be provided with warrantee for one year (or more, if provided by the OEM) from the date of acceptance/commissioning. In case of equipment involving erection and commissioning, warrantee shall be for 18 months from the date of despatch or 12 months from the date of commissioning, whichever is earlier	
<input type="checkbox"/> Test report	<input type="checkbox"/> Test Certificate to be provided with Goods	
4) Terms of payment	Unless specifically mentioned, full payment will be made within thirty days after receipt, inspection and acceptance of the material at BHEL R&D (and where involved, erection and commissioning of the material/equipment at BHEL/destination), by EFT/RTGS with bank charges, if any, to supplier's account.	
5) Taxes & Duties	<input type="checkbox"/> Supplier to specify rates of taxes/ duties element wise on the price quoted and related percentages. <input type="checkbox"/> exempted and N.A if not applicable.	ED+ Cess : % Extra/ inclusive/ Nil/ NA VAT/ CST: : % Extra/ inclusive/ Nil/ NA Service Tax: : % Extra/ inclusive/ Nil/ NA
6) Penalty for late delivery	0.5% per week beyond the delivery date on undelivered portion subject to a maximum of 10% of the total order value	

* **BHEL R&D reserves the right to reject any offer due to non-compliance with the above Terms & conditions and/or non-receipt of this form in duly filled condition**

* Any other elements of cost in addition to the above may please be specified in detail.

(Signature and Stamp/Seal of Vendor)

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Ph: 040 – 23772704, Fax: 040 – 23770698, email: mpx@bhelrnd.co.in

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Before filling, please refer to instructions on page-4

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RD:MPX:F-18

BHARAT HEAVY ELECTRICALS LIMITED**CORPORATE R&D Division****Vikasnagar, Hyderabad, Andhra Pradesh, India – 500093****IMPORTED****Suppliers' compliance statement to basic conditions of enquiry**

(to be submitted along with Technical & Commercial bid)

Enquiry number:**Enquiry dt:****(In case Order to be placed on the Principal and foreign currency)**

Condition	BHEL R& D's terms	Supplier's compliance (indicate Yes/No. if 'No', state terms desired)
1. Validity of offer	90 days from the tender opening date (or as per enquiry)	
2. Delivery requirements	FCA <input type="checkbox"/> Nearest International Airport (or as indicated in the enquiry)	F.C.A <input type="checkbox"/> International Airport. Delivery: within ____ weeks from PO date
3a) Warranty	Unless specifically mentioned in the enquiry, all supplied items to be provided with warrantee for one year (or more, if provided by the OEM) from the date of acceptance/ commissioning. In case of equipment involving erection and commissioning, warrantee shall be for 18 months from the date of dispatch or 12 months from the date of commissioning, whichever is earlier	
3b) Manufa <input type="checkbox"/> Report	<input type="checkbox"/> Goods	
4. Terms of payment	Wire Transfer within 30 days of receipt of Material. All bank charges inside India will be to BHEL R&D account and out <input type="checkbox"/>	
5. Agency commission	Pl specify Indian agency commission charges, if any, in percentage of quotation. The same shall be paid to the agency in Indian Currency only.	
6. Erection/Commission	As per enquiry	
7. Documentation	As per enquiry	
8. Insurance	BHEL will arrange Insurance based on intimation to our Insurance agency. Address of the agency will be mentioned in the Purchase Order.	
9. Penalty for late delivery	0.5% per week beyond the delivery date on undelivered portion subject to a maximum of 10% of the total order value.	

* BHEL R&D reserves the right to reject any offer due to non-compliance with the above conditions and/or non-receipt of this form in duly filled condition

* Any other elements of cost in addition to the above may please be specified in detail

(Signature and Stamp/ Seal of Vendor)



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BHARAT HEAVY ELECTRICALS LTD.

Corp. R&D DIVISION

VIKAS NAGAR,

HYDERABAD- 500 093 (INDIA)

SUPPLIER REGISTRATION FORM

(FOREIGN SUPPLIER)

ALL COLUMNS SHOULD BE PROPERLY FILLED IN THE SPACE PROVIDED FOR.

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INCOMPLETE OR INCORRECT FORMS MAY NOT BE CONSIDERED.

1.0 GENERAL INFORMATION:

1.1 ☐ NAME OF COMPANY

1.2 ☐ □□□□ □□□□ □□ □□ □□ □□□□□□

ADDRESS :

TELEPHONE :

FAX :

.EMAIL :

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ADDRESS :

TELEPHONE :

.FAX :

.EMAIL :

.WEB SITE :

1.5 CHIEF EXECUTIVE

1.6 CONTACT PERSON(S)
FOR PRODUCT OFFERED
NAME(S)

OFFICIAL CPACITY

ADDRESS:

TELEPHONE

FAX

E-MAIL

1.7 YEAR OF ESTABLISHMENT

1.8 PRODUCTION CAPACITY PER ANNUM

1.9 PARTICULARS OF PRODUCT INCLUDING
SPECIFICATION AND RANGE OFFERED
FOR REGISTRTION
(Attach brouchers and catalogues)

1.10 NAME(S) OF BANKERS

1.11

1.12 PORT OF LOADING

1.13 NEAREST AIRPORT

1.14 NAME OF THE INDIAN AGENT, IF ANY
WITH AUTHORIZATION LETTER

2.0 FINANCIAL INFORMATION

2.1

2.2

2.3 YES/NO

3.0 QUALITY MANAGEMENT SYSTEMS
ENCLOSED FORMAT PART-B

3.1 EXPERIENCE LIST FOR SAME/ SIMILAR ITEMS
TO BE ENCLOSED

4.0 ☐ FUTURE EXPANSION PLANS:
(Give details)

5.0 LIST OF ENCLOSURES:
Including brouchers, catalogues, technical literature etc)

6.0 ANY OTHER INFORMATION

SIGNATURE OF SUPPLIER (Authorized signatory)

NAME

DESIGNATION

DATE

Note: 1. BHEL Reserves the right to take penal action as deemed fit if any of the information provided by the vendor is found to be incorrect.
2. Please attach separate sheets, if space found is inadequate



RD:DP:MPX:F-13

BHARAT HEAVY ELECTRICALS LTD.
Corp. R&D DIVISION
VIKAS NAGAR,
HYDERABAD- 500 093 (INDIA)

Ph: 040 - 23778474, Fax: 040 - 23770698, email: mpx@bhelind.co.in

GUIDE LINES REGARDING DEALINGS WITH INDIAN AGENTS OF FOREIGN SUPPLIERS

- i. BHEL shall deal directly with foreign vendors, wherever required, for procurement of goods. However, if the foreign principal desires to avail of the services of an Indian agent, then the foreign principal should ensure compliance to regulatory guidelines - which require mandatory submission of an Agency Agreement.
 - ii. It shall be incumbent on the Indian agent and the foreign principal to adhere to the relevant guidelines of Government of India, issued from time to time.
 - iii. The Agency Agreement should specify the precise relationship between the foreign OEM / foreign principal and their Indian agent and their mutual interest in the business. All services to be rendered by agent/ associate, whether of general nature or in relation to the particular contract, must be clearly stated by the foreign supplier/ Indian agent. Any payment, which the agent or associate receives in India or abroad from the OEM, whether as commission or as a general retainer fee should be brought on record in the Agreement and be made explicit in order to ensure compliance to laws of the country.
 - iv. Any agency commission to be paid by BHEL to the Indian agent shall be in Indian currency only.
- V) Whenever Indian agents are representing on behalf of their principals the relevant authorisation letter and agreement copy to be enclosed along with Technical bid to consider the offer