

BHARAT HEAVY ELECTRICALS LTD., CFP-RUDRAPUR (UTTARAKHAND)



TENDER SPECIFICATION

FOR

Fabrication Work of IPBD enclosure-conductor & associated part,
inside Rudrapur BHEL-CFP Rudrapur

(Tender Enquiry No.: BHE/RU/PDN/2017-18/04 Dt: 21.04.2017)

VOLUME – I

TECHNO-COMMERCIAL BID

BHARAT HEAVY ELECTRICALS LTD.

Component Fabrication Plant

Rudrapur – 263153 (Uttarakhand)

Phone: (05944) 257273, 257280, Fax: 243605

DATE OF SUBMISSION OF BIDS – 15:00 hrs on 12.05.2017

DATE OF OPENING TECHNO-COMMERCIAL BIDS – 15:30 hrs on 12.05.2017

THIS TENDER SPECIFICATION IS ISSUED TO

M/s. _____

BHEL, CFP-RUDRAPUR

BHARAT HEAVY ELECTRICALS LTD.
Component Fabrication Plant
Rudrapur – 263153 (Uttarakhand)
Phone: (05944) 257273, 257280, Fax: 243605

TENDER ENQUIRY NO.: BHE/RU/PDN/2017-18/04, Date:-21.04.2017

IMPORTANT NOTE

RECEIVER OF THIS TENDER DOCUMENT IS ADVISED TO CHECK AND ENSURE COMPLETION OF ALL PAGES OF TENDER DOCUMENT AND REPORT TO THE ISSUING AUTHORITY ANY DISCREPANCY IN TIME FOR CORRECTIVE ACTION, IF ANY BEFORE 09.05.2017 TENDERERS TO PLEASE NOTE THAT THEY HAVE TO ACCEPT ALL THE TERMS & CONDITIONS OF THIS TENDER ENQUIRY AND OFFERS SUBMITTED WITH DEVIATIONS ARE LIABLE TO BE REJECTED WITHOUT ANY FURTHER DISCUSSIONS.

TENDER CONTENT

Sl. No.	Volume	TITLE	Page No.
1	Section-I	NOTICE INVITING TENDER	4-5
2	Annexure-I	SCOPE OF WORK AND GENERAL TERMS & CONDITION	6-14
3	Annexure-II	QUALIFYING CRITERIA FOR TECHNOCOMMERCIAL BID	15
4	Annexure-III	CONTRACTOR'S OBLIGATIONS	16-18
5	Vol-II Annexure-B	PRICE BID	19-20
6	Vol-II Annexure-B	UN-PRICE BID	21

[Signature]

BHEL, CFP-RUDRAPUR

BHARAT HEAVY ELECTRICALS LTD.

Component Fabrication Plant
Rudrapur – 263153 (Uttarakhand)
Phone: (05944) 257273, 257280, Fax: 243605

Section-I

By Courier / Hand / Regd. Post

NOTICE INVITING TENDER

TENDER ENQUIRY NO.: - BHE/RU/PDN/2017-18/04, Dt:-21.04.2017

Dated:

M/s _____

Sub: Fabrication Work of IPBD enclosure & conductor inside Rudrapur BHEL-CFP Rudrapur.

Dear Sir

Bharat Heavy Electricals Limited has pleasure in inviting offers from interested and eligible tenderers for the above work with your best binding price offer as per our specifications and term & condition mention tender document. Highlight of tender Document as per following:

1. **Tender Document:** Tender is invited in Tow Bid system, Volume-I of this tender inquiry contained Techno-Commercial Bid & Volume-II Price bid.
2. **Cost of Tender :** Nil
3. **Earnest Money Deposit (EMD):** EMD of Rs. 69,284/- is a must and shall be deposited along with the offer in the form of Bank Draft/Pay Order from any nationalized bank, in favor of BHEL Rudrapur.
4. **Scope of work:** Detail scope of work as per Annexure-I, Volume-I of this tender enquiry.
5. **Mode of Submission of Tender:** The tender should be submitted in Two Separate sealed covers for price bids/Techno-Commercial bids with mention bidder name and address as follows:
Envelope 1: "TECHNO-COMMERCIAL BID" (VOL-I), **Envelope 2:** "PRICE BID" (VOL-II)

These envelopes will be put in a larger envelope super scribing on this envelope "PRICE BID/TECHNO-COMMERCIAL BID FOR "Fabrication Work of IPBD enclosure & conductor inside Rudrapur BHEL-CFP Rudrapur" & to be sent to the following address:-

To,
Sr. Engineer (PDN),
BHARAT HEAVY ELECTRICALS LIMITED
COMPONENT FABRICATION PLANT
KICHHA BYPASS ROAD, RUDRAPUR
PIN-263153 (UTTARAKHAND)
Phone No. (05944) 257280, Fax: 243605

Kindly note that in case you are not interested to submitting the offer for any reasons, you may please send a regret letter indicating reasons for the same immediately not later than the due date. Clarifications if any, on the tender shall be sought by the bidders on or before 09.05.2017. For the sake of understanding, it is clarified that the contents of the Letter inviting Tender is part of Tender terms and conditions.

6. **Last Date of Submission Tender:** last date of submission of this tender is 12.05.2017 before 15:00hrs. tender after due date & time will not accepted. BHEL, Rudrapur is not responsible for any type postal delay.

Tender Enquiry:-BHE/RU/PDN/2017-18/04

दिनांक

BHEL, CFP-RUDRAPUR

7. BHEL reserves the right to accept or reject any tender including lowest one, in part or full, without assigning any reason whatsoever.
8. The bidders are also to note the following:
 - a. The rates should be quoted neat and Clean. If any overwriting observe at the time of price bid opening offer shall be rejected.
 - b. Secrecy of BHEL information/documents to be ensured at all times.
 - c. The offer of the Bidder shall have to be kept valid for a period of 3 (three) months from the date of opening of Techno-Commercial Bid.

All the queries on the tender may please be sent to us latest by 09.05.2017 through email to himashun@bhel.in.

Thanking you,

Yours Sincerely
For & on behalf of BHEL


Sr. Engineer (PDN)

Encl: One set of documents

SCOPE OF WORK AND GENERAL TERMS & CONDITIONS**(A) DETAILED SCOPE OF WORK:**

BHEL, Rudrapur intends to carryout IPBD Fabrication work for enclosure & conductor at, inside BHEL- CFP, Rudrapur with the help of highly skilled & skilled workers supplied by contractor(s) on rate of Rs./Kg weight.

1.0	BHEL SCOPE OF WORK:
1.1	Relevant drawings will be provided by BHEL with work assignment.
1.2	BHEL will provide Space for working in shop floor Approx. 36 mtrs x 18 mtrs)
1.3	Three roll & four roll machine as per schedule for rolling for rolling of aluminum sheet.
1.4	Shearing Machine as per schedule for cutting of aluminum sheet.
1.5	Radial drill machine as per schedule.
1.6	Fork Lift Hydra with driver only as & when necessarily required for handling/shifting of ducts and raw material to bring it to work area of contractor and take the finished jobs out of the work area.
1.7	Raw Material will be issued vide SIV(Store Issue Voucher) from PDN Deptt. to Contractor as per the targeted requirement.
1.8	Electricity- Electrical Points as available in work area.
1.9	Filler Wire & Spool- Required quantity with the assigned work.
1.10	Argon Gas and compressed Air- Required quantity with the assigned work.
1.11	Radiography Test/DP Test to be performed on the offered welded joints.
1.12	Target completion will be mutually agreed with every assignment given by BHEL. In case any requirement to compress the schedule of activities to achieve project completion, BHEL decision in this regard will be final and the issue will not be open to arbitration.
1.13	Work assignments from BHEL will be communicated through email/hard copy as per the BHEL turnover targets.
1.14	All consumables of hand grinder, jig saw, circular saw, drilling machine like drill bits, jig saw / circular saw blades, sanding sheets, grinding wheels, Copper Tip, hand globs etc. - Required quantity with the assigned work will be provide by BHEL.
2.0	QUANTITY TO BE EXECUTED IS AS BELOW:
	IPBD
2.5	Straight Enclosure & Conductor: Tonnage = approx. 400 MT Contract Period: Six months from the date of work order

BHEL will pay addition charges on actual measurement as per following work. However payment will not exceed 15% of base work order value.

2.6	Per Bend Enclosure Joint	For Enclosure Dia Up to 876	240.00
		For Enclosure Dia 900 to 1200	299.00
		For Enclosure Dia 1201 to 1700	359.00
	Per Bend Conductor Joint	Up to dia 530	419.00
		dia from 531 to 800	599.00
		dia from 801 & above	719.00
	Per window & cover fabrication.	For Enclosure Dia Up to 876	389.00
		For Enclosure Dia 900 to 1200	539.00
		For Enclosure Dia 1201 to 1700	719.00
	Per Blanking Plate & Palm	Up to dia 530	587.00
dia from 531 to 800		934.00	
dia from 801 & above		1366.00	
Per Enclosure flange & SOB Flange	For Enclosure Dia 1201 to 1700	138.00	
	For Enclosure Dia 900 to 1200	108.00	
	For Enclosure Dia Up to 876	78.00	
Enclosure Continuity flange & Palm Plate	For Enclosure Dia Up to 1500mm	1925.00	
CT Terminal box up to 7 kg. wt. & CT Pad		229.00	
CT Terminal box above 7 kg. wt. & CT Pad		516.00	

- Blanking plate and palm assembly for channel/tubular conductor shall not be paid extra, as there is no conductor rolling is required.
- Adaptor box at transformer end, barrel wall, GCB end, shall be considered as straight duct. Cost of window shall be added as per size of enclosure.
- Extra charges for any other work other than the above listed work shall not be considered.

ii) **CONTRACTOR SCOPE OF WORK:**

- Following machine and hand tools are mandatory and to be arranged by sub contractor:-
- Machines:-**
- MIG Welding machine (500 Amps rating and above)-2 no's.(Minimum)
 - TIG Machines (500 Amps rating and above)- 1 no. (Minimum)
- Hand tools:-**
- Jig saw machine-2 no's.(Minimum)
 - Circular saw machine-2 no's.(Minimum)
 - Hand Grinder-2 no's. small size(Minimum)
 - Hand Grinder-1 big size
 - Hand Drill Machine-2 no's.(Minimum)
 - Drill Bits of different size as per requirement.
 - All other measuring and marking tools.
- Safety Equipment:-**
- Welding Helmet – 5 nos.
 - Dangry - All workers
 - Safety Helmet - All workers
 - Safety Shoe- All workers

दिमांश

BHEL, CFP-RUDRAPUR

	Cost of maintenance for their machines and hand tools will be borne by subcontractor. No hand tools and safety equipment shall be provided by BHEL.
1.2	Depute Sufficient trained & experienced highly skilled & skilled manpower which includes Engineers, Supervisors, Safety Supervisor, Fitters, and Aluminum Welders to complete the assigned work.
1.3	Depute Sufficient semi-skilled & unskilled manpower which includes helpers, painters, and cleaners to support the highly skilled & skilled manpower to complete the assigned work.
1.4	Aluminum welders should be NTPC/Lloyd/BHEL qualified as per following documents: Procedure Qualification Record: PQR:AL:GTAW:00 & PQR:AL:GMAW:00 Welding Procedure Specification: WPS:AL:GTAW:00 & WPS:AL:GMAW:00
1.5	Aluminum Welding is to be as per Approved WPS (Welding Procedure Specifications).
1.6	All the contractor's employees will be issued photo gate pass. Cost of preparation of gate pass will be borne by contractor.
1.7	Attendance register will be available at Main gate of Plant and daily attendance will be registered there.
1.8	All the PPE's for employees at work is provided by the contractor. PPE's like safety shoe, helmet, welder's glass; welders shield etc is required to be used during execution of work inside BHEL, CFP, and Plant.
1.9	All the statutory obligations like PF Challan (if applicable), ESI Challan (if applicable), Wages Record, Labour licensee copy (if required), WC Policy-One Time, Service Tax Challans, Certificate regarding compliance to Labor Act for maintaining records required as per the law, Certificate for compliance to safety norms and other statutory papers, if required is in the scope of contractor and BHEL's will not be held responsible for any non-compliance issues. Failure to do so will result in hold of payment of contractor.
1.10	Safety at work will be ensured by Contractor and BHEL will assist, if required.
FEBRICATION PROCDURE & SCOPE OF WORK	
V) FABRICATION OF IPBD ENCLOSURE:	
1.1	Rolling of Enclosure Drums of required diameter, duly flared (if reqd.) at one end and Longitudinally welding.
1.2	Making full length of Enclosure by joining required no. of drums with each other.
1.3	Marking for Channel Ring(s), Inspections Window(s), CTTB(s), CTMP(s), HAB Hood(s), SOB Flange(s), Tap-Off(s) etc. as per drawing
1.4	Marking for profile(s) for different degree(s) as per drawing
1.5	Cutting by Jig Saw / Circular Saw
1.6	Preparation of Channel Ring(s), Inspections Window(s), CTTB(s), CTMP(s), HAB Hood(s), SOB Flange(s), etc. as per drawing
1.7	Match marking / fit-up and tack welding
1.8	Fillet welding + butt welding on bend(s) / profile(s) / tap-off(s)/welding of tap-off conductor and SOB flange after assembly of busduct (enclosure and conductor)
1.9	Offer for in process inspection (DP & Dimension) by BHEL/Qly.
1.10	Dressing & roughing, removal of burrs & grinding of extra welding for painting.
VI) FABRICATION OF IPBD CONDUCTOR:	
1.1	Rolling of Conductor halves of 2000 mm of required diameter.
1.2	Making full length of Conductor by joining required no. of Conductor halves
1.3	Marking for slot(s), cut-out(s), spacer(s), SOB Flange(s)

Patil

BHEL, CFP-RUDRAPUR

1.4	Marking for profile(s) for different degree(s) as per drawing
1.5	Cutting by Jig Saw / Circular Saw
1.6	Preparation of SOB Flange(s), Blanking Plate & Palm assy(s) etc. as per drawing
1.7	Match marking / fit-up and tack welding
1.8	Fillet welding + butt welding on bend(s) / profile(s) / tap-off(s)
1.9	Offer for in process inspection (DP & Dimension) by BHEL/Qly
1.10	Dressing & roughing, removal of burrs & grinding of extra welding

(B) GENERAL TERMS & CONDITIONS:

- 1) Material issued to contractor by BHEL, will be under the responsibility of contractor till he returns the same to Production / Central Stores.
- 2) Contractor has to prepare cutting plan and cut the material before rolling and bending of sheet to avoid the wastage of fresh material. All enclosure/conductor sheet and plate to be first cut as per cutting plan before rolling. Cutting of rolled sheet/plate are not allowed for making window opening/ tap-off cut outs and saddle plate fixing pad. If he found responsible for any wastage of fresh material at any stage of fabrication, the cost fresh material along with company overhead shall be recovered from his due payment.
- 3) Contractor has to return / hand over scrap material to BHEL official via scrap note quantity and type of scrap clearly mention in the scrap note. All type of scrap shall be verified by weight at the time of return to BHEL official. Collection and separation of scrap to be the contractor on daily basis after the shift is over.
- 4) Contractor's Engineer / supervisor have to maintain data of issued raw material, finished good and scrap material on day to day basis.
- 5) Contractor has to hand over finished job to BHEL representative / painting department in proper format along with all fittings like, window cover, assembly of Heater / CT terminal box, conductor etc.
- 6) Shop supervisor from contractor side will co-ordinate with shift in-charge, BHEL, Production Shop for all his requirements i.e. targets of month, issue of raw material, required consumables, maintenance of machine, material handling & work verification on daily basis.
- 7) Contractor has to submit the material accountal every month w. r. t. SIV issued by production, after the completion of fabrication.
- 8) The consumables will be issued (as per BHEL scope of work clause no. 1.11) only in proportion to the total tonnage of fabrication work. If the quantity increases, cost of excess qty. shall be recovered from contractors due payment.
- 9) Contractor has to execute the work order in 2 shifts on compulsory basis as per production requirement. He has to put off all the power switches of machines , fans, lights and other shop appliances before leaving the work place after duty is over or going for lunch. If BHEL finds any laps, suitable penalty shall be imposed to the contractor.
- 10) Contractor's employees may use BHEL's canteen facility after purchasing the requisite coupons upon payment. BHEL is not bound for providing subsidized meal to contractor employee.
- 11) Boarding, lodging & transportation facility of subcontractor's employees has to be arranged by contractor.
- 12) A work-register has to be maintained containing following information regarding IP ducts:
 - a) Date of receipt of IPBD Al. Raw Material for enclosure/conductor from BHEL along with requisite Drawings.
 - b) Date of inspection offered to BHEL.

BHEL, CFP-RUDRAPUR

- c) Date of handing over of finished IPBD Enclosures/ Conductors to BHEL Production/Quality, with re-work/rectification incorporated as per the remarks of BHEL, Quality Deptt.
- 13) Quality of weld joint should be such as to qualify the radiography test (depends upon the project requirement).
 - 14) The assignment as received from BHEL has to be completed as per schedule of work and if needed has to be realigned with the revised targets of BHEL by working in co-ordination with BHEL in two shifts/three shifts.
 - 15) **Cleaning of work area after completion of work is responsibility of subcontractor.**
 - 16) Warranty: Not applicable.
 - 17) Any loss/damage/intentional damages of BHEL's Tools & Plant during the execution of contract will be liable for recovery of cost involved, from the bills of contractor.
 - 18) Other miscellaneous activities which have not been outlined in the scope but are necessary for completion of Fabrication of IPBD Enclosure / Conductor must be done by contractor free of cost.

(C) OFFER SUBMISSION IN RESPONSE TO INVITATION:

1. Offer to be submitted in two bids. 1.) **Techno-commercial bid & 2). Price Bid.**
2. **Techno-commercial bid** should contain signed & stamped pages of Annexure – I, Annexure – II, Annexure –III of volume-I & Annexure-B (Unapprised Bid) along with required **EMD as specified in NIT.** Copies of other documents (like PF & Service tax reg. etc) as mentioned in Annexure – II to be attached.
3. **Price Bid** should contain only one filled price bid Annexure-A, of Volume-II duly signed & stamped.
4. Party to confirm their acceptance Detailed scope of work, general terms & conditions and other terms & conditions by signing and stamping all pages of Annexure – I (07 Pages), Annexure-II (01 Page) & Annexure –A (03 Pages).
5. Offer to be submitted in two separate sealed envelopes Addressed to Sr. Engineer (PDN) BHEL-CFP, Rudrapur. First Envelope containing Techno-commercial Bid with EMD amount, Tender No., due date, techno commercial bid & bidders name should be clearly mentioned on envelope. Second envelop contain only filled price bid & Tender No., due date, Price bid & bidders name should be clearly mentioned on envelope. Tender also has to be dropped in TENDER BOX placed in MM Deptt on or before due date & time.

(D) EVALUATION OF OFFERS:

1. Technical cum commercial Bid shall be opened first on due date specified in NIT for technical evaluation.
2. Price Bid shall be opened only for Technical cum commercial Bid qualified bidders.
3. **L-1 Party selection will be on the basis of overall offered price, received in price bid.**
4. BHEL reserves the following rights:
 - a. BHEL intends to employ 4 Subcontractors for the tendered work.
 - b. Loading criteria shall be decided by BHEL as per BHEL's policy and the same shall be final & bending on BIDDER(s).

No. of contractor	Distribution of tender quantity (%)			
	04 Qualified Bidders	03 Qualified Bidders	02 Qualified Bidders	01 Qualified Bidders
L-1	35	45	60	100
L-2	26	35	40	0
L-3	21	15	0	0
L-4	18	0	0	0
Total %	100	100	100	100

BHEL, CFP-RUDRAPUR

- c. L-2 bidder will have to accept the L-1 rates for this purpose. BHEL shall counter-offer the L-1 rates L-2 to L-4 bidders. In case of ties (more than 1 bidder in L-1 and/or L-2 to L-4 category), BHEL's decision shall be final and binding w.r.t., distribution of tendered quantity amongst bidders.
 - d. "Essence of this tender, subsequent commitment is in-time delivery meeting to ultimate customer(s) & plant requirement of BHEL. Main parameter of loading is the desired output within time frame suitable for project/plan requirements. Therefore, loading to each BIDDER will be reviewed by a committee of BHEL from time to time & the decision of BHEL with regard to loading to each BIDDER keeping these factor in mind will be final & binding on BIDDER(S)" irrespective of value given in (a) above.
 - e. To reject of accept any or all price bids or part thereof without assigning any reasons thereof.
 - f. To terminate the WO by giving a notice of 7 days if the performance of the BIDDER is found to be unsatisfactory.
5. Offers not meeting Qualifying Requirements as per Annexure-II shall be out rightly rejected.
 6. Based on evaluation of the bids, successful bidder shall be awarded the contract.
 7. Evaluation of offer will be strictly based on the information submitted by the bidder. In view of this the bidder is requested to go through tender document carefully and furnish all detail clearly.
 8. If any Bidder submit revised price bid before due date and time in that case only revised price will be opened. Bidder has to clearly mention "Revised price bid" on the envelope.
 9. If two or more sealed price bids are submitted by single bidder then BHEL will take final decision for opening of any one price bid.
 10. If any bidder submits two or more price bid in one envelop then bidder will be disqualified for further consideration in this tender.
 11. The BHEL reserves its right to negotiate with the Bidder.

(E) OTHER TERMS AND CONDITIONS:

1. Safety obligation for contractor and general environmental obligation for contractor, as applicable to BHEL shall also be applicable to contractor inside the BHEL,CFP Plant except for the terms & conditions mentioned herein which shall be applicable as per Annexure-I.
2. **Earnest Money Deposit (EMD):**
Earnest Money Deposit of amount as specified in NIT is a must and shall be deposited along with the offer in the form of Bank Draft/Pay Order from any nationalized bank, in favor of BHEL Rudrapur, bidder can deposit EMD as specified in NIT by Electronic fund transfer (Online EMD Payment) credited in BHEL account before tender due date and time & receipt of Electronic fund transfer have to attached with technical bid.

Detail of Electronic fund transfer (Online EMD Payment) credited in BHEL account.

The account details of BHEL Rudrapur are:	
STATE BANK OF INDIA	
Beneficiary Name	Bharat Heavy Electricals Limited
A/C NO	10672521208
Account Type	Cash Credit
BRANCH	INDIRA CHORAHA MAIN BRANCH RUDRAPUR UDHAMSINGH NAGAR (U K.) PIN CODE-263153
Tel	05944 - 247678 / 247646/ 243843
Fax	05944 - 243454
MICR CODE	263002001
IFS CODE	SBIN0000708

दिनांक

BHEL, CFP-RUDRAPUR

The EMD amount given by unsuccessful bidders shall be refunded within 15 days of acceptance of award of work by successful bidders. The EMD deposited by successful bidders shall be converted & adjusted against Security Deposit. *Offers without EMD shall not be considered and shall be out rightly rejected*

3. Payment Terms :

The payment shall be released on progressively after submission of CENVATABLE invoice/bill (in Three Copies) and based on WAM and measurement of work on MB book within 30 days from the date of Submission of proper bill through e-payment mode for which the contractor need to provide following detail/documents:

1. Original Invoice with two copies.
2. Copy of work order.
3. Copy of work allocation annexure.
4. Copy of work completion certificate or Rout card.
5. Copy payment receipt of PF & ESI of Contractor Employee of work execution period.
6. Copy Gate Attendance register.
7. Copy of wage register(form-17).

(Note: Without above documents bill cannot be processed for payment)

SL NO	PAYMENT ON COMPLETION OF FOLLOWING:	% OF PAYMENT TO BE RELEASED
1	Total verified weight of welded Assy. of IPBD enclosure and conductor as per the work- register on monthly Progressively basis A copy of the register & Route Card passed by BHEL, Qly. Department to be enclosed with the invoice.	Payment will be released on monthly basis on actual verified work.

4. Security Deposit (SD):

Successful contractor shall submit the interest free security (S.D.), 5% of total Work order value, before start of the work in form of DD/PAY ORDER/FDR or in form of bank guarantee in favor of BHEL issued by scheduled banks in the name of contractor, A/C BHEL.

Work can be started before security deposit is collected in case of small value contracts not exceeding Rs 20 Lakhs. However, payment can be released only after collection/recovery of initial 50 % Security Deposit.

The S.D. shall be refunded to the sub-contractor upon successful completion of the contract subject to deduction on account of BHEL dues, non-deposit of statutory dues etc. (if any).

5. Taxes: The Service Tax as statutorily livable under the service tax Law/ Act is paid by BHEL as applicable.
6. **Jurisdiction:** All disputes, claims or actions arising out of under or in connection with this contract shall be subject to the exclusive jurisdiction applicable over BHEL Rudrapur (Udham Singh Nagar) only.
7. The contractor shall be deemed to make them self familiar with the plant conditions before actual start of work and is expected to take adequate safety precautions for persons employed by it during execution of the work at site.
8. The contractor shall be fully responsible for the acts/omissions by the persons engaged by it for working at site under the contract. The persons engaged by the contractor should not have any criminal Record/or involved in any activity subversive of law and order. The contractor shall be fully responsible for injury/loss of life & property BHEL/contractor's own persons/any other party caused due to acts & omissions of sub contractor or its employee during course of execution of work.

RETI

9. Compliance and payment of PF of sub contractor staff employed for the work shall be the exclusive responsibility of the sub contractor.
10. The sub contractor should follow the rules of Health Safety and Environment Management Programme as per requirement of ISO-14001 and OHSAS-18001.
11. **Bidders are requested to furnish regret letter** through email/fax/speed post/courier, if for any reason they are not able to put forward their offer against this tender enquiry.

(F) RIGHT OF BHEL:

BHEL reserves the following rights in respect of this contract during the original contract period or its extensions if any, as per the provisions of the contract, without entitling the contractor for any compensation.

- i) To withdraw any portion of work and / or to restrict / alter quantum of work as indicated in the contract during the progress of work and get it done through other agencies to suit BHEL's commitment to its customer or in case BHEL decides to advance the date of completion due to other emergent reasons / BHEL's obligation to its customer.
- ii) To terminate the contract or get any part of the work done through other agency or deploy BHEL's own/ hired/ otherwise arranged resources, at the risk and cost of the contractor after due notice of a period of one week by BHEL, in the event of:-
 - i) Contractor's continued poor progress
 - ii) Withdrawal from or abandonment of the work before completion of the work
 - iii) Contractor's inability to progress the work for completion as stipulated in the contract
 - iv) Poor quality of work
 - v) Corrupt act of Contractor
 - vi) Insolvency of the Contractor
 - vii) Persistent disregard to the instructions of BHEL
 - viii) Assignment, transfer, sub-letting of contract without BHEL's written permission
 - ix) Non fulfillment of any contractual obligations
- iii) In the opinion of BHEL, the contractor is overloaded and is not in a position to execute the job as per required schedule.
- iv) To meet the expenses including BHEL overheads on the differential cost at 10%, over and above the Liquidated damages/penalties arising out of "Risk & Cost" as explained above. BHEL shall recover the amount from any money due from Contractor, or from any money due to the Contractor including Security Deposit, or by forfeiting any T&P or material of the contractor under this contract or any other contract of BHEL or by any other means or any combination thereof.
- v) To terminate the contract or to restrict the quantum of work and pay for the portion of work executed in case BHEL's contract with their customer are terminated for any reason, as per mutual agreement.
- vi) To effect recovery from any amounts due to the contractor under this or any other contract or in any other form, the moneys BHEL is statutorily forced to pay to anybody, due to contractor's failure to fulfill any of his obligations. BHEL shall levy overheads of 10% on all such payments along with interest as defined elsewhere in the GCC.
- vii) While every endeavour will be made by BHEL to this end, they cannot guarantee uninterrupted work due to conditions beyond their control. The Contractor will not be normally entitled for any compensation / extra payment on this account unless otherwise specified elsewhere in the contract.
- viii) In case the execution of works comes to a complete halt or reaches a stage wherein worthwhile works cannot be executed and there is no possibility of commencement of work for a period of not less than

Pratik

BHEL, CFP-RUDRAPUR

two months, due to reasons not attributable to the contractor and other than Force Majeure conditions, BHEL may consider permitting the contractor to de mobilize forthwith and re mobilize at an agreed future date. Cost of such demobilization/remobilization shall be borne by contractor. ORC in such cases shall not be applicable for the period between the period of demobilization and re mobilization. The duration of contract/time extension shall accordingly get modified suitably. In case of any conflict, BHEL decision in this regard shall be final and binding on the contractor.

- ix) In the unforeseen event of inordinate delay in receipt of materials, drawings, fronts, etc, due to which inordinate discontinuity of work is anticipated, BHEL at its discretion may consider contractor's request to short close the contract in following cases:

The balance works cannot be done within a reasonable period of time as they are dependent on reasons not attributable to the contractor. At the point of requesting for short closure, contractor shall establish that he has completed all works possible of completion and he is not able to proceed with the balance works due to constraints beyond his control. In such a case, the estimated value of the unexecuted portion of work (or estimated value of services to be provided for carrying out milestone / stage payments) as mutually agreed, shall however be reduced from the final contract value.

(G) SCHEDULE OF START AND COMPETION OF WORK:

SN	ACTIVITY	DATE OF COMPLETION
1	Mobilization of requisite manpower.	Within one week of receipt of W.O.
2	Fabrication of IP Bus Ducts	Allotted quantity (Max 400MT) to contractor's of IPBD in 06 months progressively.
3	Demobilization of manpower deployed	Within one week of completion of W.O. after obtaining no objection certificate from PDN department.

(H) Liquidated Damages (LD):

- i) If the contractor fails to delivery of ducts as per following delivery schedule in that case BHEL shall have the right to impose Liquidated Damage/Penalty at the rate of 0. 5% of the work value, per week of delay or part thereof subject to a maximum of 10% of the contract value.

Quantum of Work/ Annexure	Delivery/fabrication Schedule (No. of Days)
0-5MT	Within 07 Days
5-10MT	Within 15 Days
10-20MT	Within 30 Days

- ii) If the completion of work as detailed in the scope of work gets delayed beyond the contract period, the contractor shall request for an extension of the contract and BHEL at its discretion may extend the Contract.
- iii) However if any 'Time extension' is granted to the contractor to facilitate continuation of work and completion of contract, due to backlog attributable to the contractor alone, then it shall be without prejudice to the rights of BHEL to impose penalty / LD for the delays attributable to the contractor, in addition to any other actions BHEL may wish to take at the risk and cost of contractor.

(Signature & Stamp of Bidder)

Qualifying Criteria for Techno-commercial Bid

Sl. No	Description	Offer
1	Acceptance to Volume-I, Annexure-I (Scope of work & General Term & Condition), Annexure-III (Contractor's Obligations) & Submit sealed Bid of Price Bid of Volume-II attach signed & stamped copies.	Accepted
2	Submission of EMD as specified in NIT (Receipt copy to be enclosed)	Accepted
3	a) Bidder should have Engr./Supervisor with qualification of Engg. graduate / Diploma OR ITI with 10 year's experience. Name of person with details and Qualification certificates to be furnished alongwith the offer. b) Bidder to submit 2 no's aluminum welder qualification certificate issued from any authorized agency(NTPC/Lloyd/BHEL) as per Contractors Scope Of Supply at sl. No. 1.4 and 1.5. Certificate should be issued before due date of the tender. OR Bidder to get their at least 2 welders, qualified by BHEL before submission of offer. Welder qualification shall be done as per required norms mentioned in Contractors Scope Of Supply at Sl. No. 1.4 and 1.5.	Accepted
4	Service Tax Registration no. (Enclose copy of certificate)	Accepted
5	Copy of PAN Card. (Enclose copy of Certificate)	Accepted
6	Copy of EPF registration. (Enclose copy of Certificate)	Accepted
7	Copy of ESIC registration. (Enclose copy of Certificate)	Accepted

Note: Non acceptance/submission of above is liable for rejection in T/C Bid.

Name of the Party: _____

Address of the Party: _____

Email ID: _____

Contact Person: _____

Phone No of
Contact Person: _____

Bank A/c No: _____

Bank Name: _____

Bank Address: _____

IFS Code: _____

(Signature of bidder with seal)

दिमांशु

CONTRACTOR'S OBLIGATIONS(A) CONTRACTUAL

- a) Contractor shall decide the number of employees to be deployed for execution of the work awarded to him w.r.t of schedule completion of work and he or his authorized representative will be solely entitled to dictate such workers about the manner of carrying out the work as per the prescribed specifications and quality plan.
- b) Contractor shall supervise the work allotted to him and to be carried out by his employees.
- c) Contractor to ensure that the employees deployed in the premises of BHEL are physically and mentally fit and do not have any criminal record. Such employees should possess requisite skill, proficiency, qualification, experience etc.
- d) Contractor to maintain appropriate records of his employees deployed to carry out the job(s).
- e) Contractor should issue appropriate appointment letters to his employees. He has to declare basic pay of salary per day of their employee, Which should not be less than latest minimum applicable wages fixed by the government. Failing to produce the details will lead to hold their payment against their due bills.
- f) Contractor to provide employment card/Identity card with photograph duly verified and attested by the Contractor to his employees. Contractor to indicate the name of the proprietary/partnership firm/company, place of work, contract number and duration of validity of card.
- g) Contractor will be responsible for the good conduct of his employees. In case of any misconduct/misbehavior by any employee, the contractor will replace such employee(s) immediately.
- h) Contractor will ensure that the job is executed through his employees on his rolls and under no circumstances the contractor will deploy any casual employee to carry out the job nor shall sub-contract the job without prior written permission by BHEL.
- i) Contractor will keep watch on his employees and he will be liable for any pilferage / loss to BHEL due to acts of omission and commission by his employees. Similarly, liability for any compensation to outsiders on account of any act of omission and commission by the employees deployed by the contractor shall lie exclusively with him.
- j) Contractor to provide safety appliances and safety shoes to his employees. The contractor shall be responsible for enforcing all safety regulations as applicable. Penalty shall be applicable on subcontractor if safety measure not met by employee.
- k) The contractor has to provide a distinct uniform different from BHEL employees. The Uniform should have logo of the Contractors firm / company. The uniform shall be kept in neat, tidy and wearable condition. Wherever necessary, the Cap shall be integral part of the uniform.
- l) Contractor to ensure that all precautions are taken for safety of his employees and equipments.
- m) In the event of termination of contract for any reason whatsoever, the contractor shall withdraw all his employees from the establishment of BHEL. In case contractor decides to terminate services of his employees, he should settle all terminal dues including retrenchment compensation.
- n) Contractor shall provide to his employees all tools, tackles and equipments and maintain the same to carry out the job under the contract at his cost and if necessary contractor may take insurance policy of his men, material, equipments and tools and tackles.

BHEL, CFP-RUDRAPUR

- o) Contractor shall provide safety appliances and maintain the same at his own cost which may be required under the statute or otherwise.
- p) Contractor shall provide material at his cost as mentioned in the contract to his employees for carrying out the job.

(B) TOWARDS STATUTORY LIABILITY

- a) All statutory requirements under Minimum Wages Act, 1948, Payment of Wages Act, 1936, Workmen Compensation Act, 1923, EPF & MP Act, 1952, Payment of Gratuity Act, 1972, ESI Act, 1948, The Contract Labour (R&A) Act, 1970, Payment of Bonus Act, 1965, Income Tax Act, Service Tax Act and all other applicable Acts shall be complied with by the contractor.
- b) Contractor shall comply with all statutory requirements, rules, regulations, notifications in relation to employment of his employees issued from time to time by the concerned authorities.
- c) Contractor shall ensure payment of statutory prescribed minimum wages as applicable from time to time in the presence of authorized representative of BHEL and maintain proper records of their timely disbursement. These records need to be preserved for a period of at least 3 years and should be made available even after the contract is over for any verification by the statutory authorities / BHEL authorities.
- d) Contractor to provide PF pass book to his employees and ensure payment of PF, EDLI, pension dues under EPF & MP Act, 1952 to the RPF. All contract labours deployed at CFP BHEL Rudrapur under this contract, irrespective of their monthly salary will have to be covered under EPF scheme & ESI scheme under ESI/ EPF Act.
- e) Contractor shall ensure payment of ESI contribution under ESI Act, 1948 and provide ESI membership No./card of each employee.
- f) Contractor shall produce proof of deductions as well as remittances of PF, EDLI, Pension, ESI contribution, administrative charges etc. wherever applicable and shall maintain proper records. Contractor to issue wage slips to his employees.
- g) Contractor shall furnish proper returns to the concerned statutory authorities and provide a copy of the same to BHEL.
- h) Contractor shall be solely responsible for non payment/ delayed payment of wages/ DA, contributions under EPF & MP Act, ESI Act etc.
- i) In case the contractor fails to make payment of wages to his employees or remittance of contribution to the concerned authorities, the security deposit/other dues/running bills under the contract can be utilized by BHEL to discharge the liability of the contractor.
- j) Contractor shall indemnify BHEL against all claims and losses under various Labour Laws, statutes or any civil or criminal law in connection with employees deployed by him.
- k) The liability for any compensation on account of injury sustained by an employee of the contractor will be exclusively that of the contractor.
- l) Contractor to obtain insurance cover for his employees / equipment / tools and tackles etc and take third party risk insurance coverage at his own cost. BHEL shall not be responsible for any loss, damage, pilferage of his property and / or his employees.

दिमाश

BHEL, CFP-RUDRAPUR

- m) Contractor should have independent code numbers/ exemptions under EPF & MP Act, 1952 and ESI Act, 1948 and shall cover his employees under the said codes.
- n) Payment of bonus under the Payment of Bonus Act, Payment of gratuity under the Gratuity Act, and retrenchment compensation under Act will be the sole responsibility of the contractor.
- o) Over and above the daily wage rate, payment shall be made for leave with wages.
- p) Contractor shall observe Provisions of the Factories Act in respect of working hours, holidays, rest intervals, leave and overtime to his employee. No work shall be done on second/third shift, overtime, Sundays or on other declared holidays without written permission.
- q) In case a contractor employs women as employee he will discharge his obligation under law in respect of such women workers such prohibition of engaging them during night-hours, prohibition of employing them for more than 9 hours per day, provision of crèche facility, grant of maternity leave as per rules etc.
- r) Contractor shall be responsible for making payment of wages before expiry of 7 days from the last day of wage period and to ensure disbursement of wages in the presence of the authorities representative of contract operating division who shall record under his signature at the end of entries in the Register of wages.
- s) Contractor to obtain license under CL(R&A) Act, 1970.

BHARAT HEAVY ELECTRICALS LTD., CFP-RUDRAPUR (UTTARAKHAND)



TENDER SPECIFICATION

FOR

Fabrication Work of IPBD enclosure & conductor inside
Rudrapur BHEL-CFP Rudrapur

(Tender Enquiry No.: BHE/RU/PDN/2017-18/04 Dt: 21.04.2017)

VOLUME – II

PRICE BID & UNPRICE BID

BHARAT HEAVY ELECTRICALS LTD.

Component Fabrication Plant

Rudrapur – 263153 (Uttarakhand)

Phone: (05944) 257273, 257280, Fax: 243605

DATE OF SUBMISSION OF BIDS – 15:00 hrs on 12.05.2017

DATE OF OPENING TECHNO-COMMERCIAL BIDS –15:30 hrs on 12.05.2017

दिनांक

PRICE BID

(Tender Enquiry No.: BHE/RU/PDN/2017-18/04 Dt: 21.04.2017)

SL NO	DESCRIPTION OF WORK	RATE PER KG OF FABRICATION (Rs.)(A)	QTY (kg) (B)	VALUE (Rs.)= AxB
1	As per Scope of work, Fabrication work for enclosure & conductor inside BHEL, Rudrapur with the help of skilled, semi-skilled & unskilled workers supplied by contractor on per kg basis.			
	IPBD			
a)	Fabrication of Straight Enclosure and Conductor		400000	
SUB-TOTAL (Rs)				
Service Tax (as applicable at present) @ 15%				
TOTAL ALL INCLUSIVE VALUE (Rs)				
In Words: Rupees				

- BHEL will Pay addition charges on actual measurement as per following work. However payment will not exceed 15% of base work order value.

Per Bend Enclosure Joint	For Enclosure Dia Up to 876	240.00
	For Enclosure Dia 900 to 1200	299.00
	For Enclosure Dia 1201 to 1700	359.00
Per Bend Conductor Joint	Up to dia 530	419.00
	dia from 531 to 800	599.00
	dia from 801 & above	719.00
Per window & cover fabrication.	For Enclosure Dia Up to 876	389.00
	For Enclosure Dia 900 to 1200	539.00
	For Enclosure Dia 1201 to 1700	719.00
Per Blanking Plate & Palm	Up to dia 530	587.00
	dia from 531 to 800	934.00
	dia from 801 & above	1366.00
Per Enclosure flange & SOB Flange	For Enclosure Dia 1201 to 1700	138.00
	For Enclosure Dia 900 to 1200	108.00
	For Enclosure Dia Up to 876	78.00
Enclosure Continuity flange & Palm Plate	For Enclosure Dia Up to 1500mm	1925.00
CT Terminal box up to 7 kg. wt. & CT Pad		229.00
CT Terminal box above 7 kg. wt. & CT Pad		516.00

- We confirm that all the terms & conditions of this tender enquiry are acceptable to us & we have quoted the rates accordingly.
- We confirm that we are aware of the site & the working environment.

(Signature & stamp of bidder)

Handwritten signature

UN-PRICE BID**(Tender Enquiry No.: BHE/RU/PDN/2017-18/04 Dt: 21.04.2017)**

SL NO	DESCRIPTION OF WORK	RATE PER KG OF FABRICATION (Rs.)(A)	QTY (kg) (B)	VALUE (Rs.)= AxB
1	As per Scope of work, Fabrication work for enclosure & conductor inside BHEL, Rudrapur with the help of skilled, semi-skilled & unskilled workers supplied by contractor on per kg basis.			
	IPBD			
a)	Fabrication of Straight Enclosure and Conductor		400000	
SUB-TOTAL (Rs)				
Service Tax (as applicable at present) @ 15%				
TOTAL ALL INCLUSIVE VALUE (Rs)				
In Words: Rupees				

- BHEL will Pay addition charges on actual measurement as per following work. However payment will not exceed 15% of base work order value.

Per Bend Enclosure Joint	For Enclosure Dia Up to 876	240.00
	For Enclosure Dia 900 to 1200	299.00
	For Enclosure Dia 1201 to 1700	359.00
Per Bend Conductor Joint	Up to dia 530	419.00
	dia from 531 to 800	599.00
	dia from 801 & above	719.00
Per window & cover fabrication.	For Enclosure Dia Up to 876	389.00
	For Enclosure Dia 900 to 1200	539.00
	For Enclosure Dia 1201 to 1700	719.00
Per Blanking Plate & Palm	Up to dia 530	587.00
	dia from 531 to 800	934.00
	dia from 801 & above	1366.00
Per Enclosure flange & SOB Flange	For Enclosure Dia 1201 to 1700	138.00
	For Enclosure Dia 900 to 1200	108.00
	For Enclosure Dia Up to 876	78.00
Enclosure Continuity flange & Palm Plate	For Enclosure Dia Up to 1500mm	1925.00
CT Terminal box up to 7 kg. wt. & CT Pad		229.00
CT Terminal box above 7 kg. wt. & CT Pad		516.00

- We confirm that all the terms & conditions of this tender enquiry are acceptable to us & we have quoted the rates accordingly.
- We confirm that we are aware of the site & the working environment.

(Signature & stamp of bidder)

Tender Enquiry:-BHE/RU/PDN/2017-18/04

Page 21

दिमांश