



Ref. Enquiry No.: PE/PG/RTC/E-5651/2017

Dated: 15.06.2017

TENDER ENQUIRY THROUGH E-PROCUREMENT

DUE DATE
27.06.2017
BY 14:00PM

SUBJECT: TENDER ENQUIRY FOR RATE CONTRACT OF TREFOIL CLAPMS AS PER TECHNICAL SPECIFICATION NO. PE-RC-999-507-E015 Rev 00

OUR REF: TENDER ENQUIRY NO: PE/PG/RTC/E-5651/2017, DTD-15.06.2017

Dear Sir/ Ma'am,

We are pleased to invite your offer for subject package in two parts strictly as per Clause-2.0 of the enclosed "Instructions to Bidders". Please upload your best quotation/ offer on <https://bheleps.buyjunction.in> for the requirement strictly as per schedule of price format before above mentioned due date & time. The details of the tender enquiry are as mentioned below:

Sl. No	Description for which Rate Contract is desired	Tentative Quantity	Delivery required
1	TREFOIL CLAMPS - Refer Technical specification no PE-RC-999-507-E015 Rev 00 for detailed description.	As per BOQ cum price schedule in Annexure-1 cumulative for the Prospective Projects as per Annexure-2	Delivery: - "Two (02) months from drgs. /docs. approval in CAT-I issued by BHEL. Successful bidder to make 1st submission of drawing/docs as per list mentioned in clause 4.3 of Technical Specification-PE-RC-999-507-E015 Rev 00 within 14 days from the date of P.O. Vendor to re-submit documents within 10 days, taking care of all the comments of BHEL. Any deficiency in documents submitted w.r.t. agreed specification/ comments from BHEL shall be treated as non-submission and no. of days delay in submission of complete documents during approval process, on account of this, would be reduced from the delivery. The vendor shall be responsible for getting approval from BHEL as early as possible and BHEL will support the process, in full, within above time frame and terms & conditions"

Your best quotation/offer for the above requirement, in line with our terms and conditions, should be submitted online via e-procurement system. It shall be the responsibility of the bidder to ensure that the Tender is submitted on or before the due date by 2 p.m. Part-I bids shall be opened at 3 p.m. on the due date in the presence of authorized representatives of the bidders, who may like to be present.

Note:-

1. Please note that Part Supplies offered for Project shall disqualify the bidder's offer.
2. Documents and Credential as per Technical PQR, Techno Commercial Bids and Price Bids should be uploaded on the e-procurement portal.
3. Evaluation will be done on overall L1 (Total cost to BHEL) basis with necessary loading as applicable. Incomplete offer or offer for part of NIT BOM/BOQ shall be summarily rejected.

Please refer GCC Rev-06 which is available on www.bhelpe.com. You are requested to kindly download the same.

(Signature)

MR PRAHLAD C. MEENA
SR ENGR/CMM
BHEL/PS-PEM
POWER PROJECT ENGINEERING INSTITUTE,
PLOT NO. 25, SECTOR - 16A, NOIDA (UP)
(OFF) 0120-4213532, 9971979974

Regd. Office:
BHEL House
Siri Fort
New Delhi-110049



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1. Rate contract on firm price basis is proposed for 2 years from placement of Rate Contract PO with a provision for further extension after review on mutual consent.

Rate Contract is proposed to be done with 2 vendors in the ratio of 70:30, value wise at L1 FOR site price for TREFOIL CLAMPS (% of splitting of RC between 2 vendors may be changed during ordering process, if L1 bidder is not customer approved). However, order for a project (only for the BOQ required as per specific project requirement) shall not be split and will be placed on single vendor.

Evaluation will be done on overall L1 (Total cost to BHEL) basis with necessary loading as applicable. Incomplete offer or offer for part of NIT BOM/BOQ shall be summarily rejected.

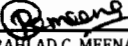
2. Bidders to note the following: -

- Rate contract shall be decided on the basis of grand Total FOR site price of Total BOQ as listed in price format (Annexure-1)
- Though evaluation is proposed on Grand Total FOR site, but there is % allocation weightage against BOQ quantity of each item which shall be used for arriving at price break up. Bidders need to give only their Ex Works price for given BOQ at sl no- A.8 Column 9.
- Bidders also requires to mention % of taxes/ duties (against respective column for ED, CST & Service Tax) applicable for each item of the BOQ.
- Bidder to give single % freight charge considering delivery anywhere in India in the freight column
- Rest of the prices shall be derived by BHEL in line with % allocation fixed for each item.
- For better clarity to the bidders, where value is to be filled is noted as "to be quoted" and for other columns it will be noted as "derived" which denotes that value shall be derived by BHEL as per % allocation fixed against each item.
- Prices shall remain Firm for any increase in the total Order/ Contract value (Ex-works) upto plus 10% (for any amendment) within 2 years from the date of PO of RC. The Purchaser shall have the right to increase the quantities and scope upto the above extent of value and Seller/ Contractor shall be bound to accept the same at the contracted prices without any escalation.

3. L1 rates shall be counter offered to vendors (L2, L3 & so on) in succession. If none accepts L1 rates, RC shall be done with L1 vendor for 100 % value.
4. Bidders to note that evaluation shall be done on CST basis, however in case, the entire business volume goes to one vendor (or volume of business shared between the vendors in line with enquiry) having manufacturing facility in the same state, then BHEL may do suitable amendment in PO on case to case basis for taking care the provision of VAT in case of project falling in the same State where manufacturing factory of the vendor is also located.

TERMS AND CONDITIONS

- Procurement of the subject package shall be done through e-procurement
- Enquiry No., due date etc. must be legibly super scribed on the offers as per clause no. 2.0 of "Instructions to Bidders".
- Offers should be uploaded in two parts online at <https://bheleps.buyjunction.in> as follows:
 - Part-I Bid: - Documents and Credential as per Technical PQR and Techno-Commercial offer (along with un-priced copy of un-priced bid and un-priced schedule of Technical-Commercial Deviation, Annexure 1 & Annexure-5)
 - Part II Bid: - Price Bid and Priced schedule of Technical-Commercial Deviation
- Terms and conditions: -


MR PRAHLAD C. MEENA
SR ENGR/CMM
BHEL/PS-PEM
POWER PROJECT ENGINEERING INSTITUTE,
PLOT NO. 25, SECTOR - 16A, NOIDA (UP)
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- a) Part I bid will be opened on date & time mentioned in the NIT or subsequent corrigenda/amendments, if any.
- b) **Techno-commercial offer of only those bidders shall be evaluated who will meet the Technical pre-qualifying requirement of the tender.**
5. **Bidders shall submit their offers meeting the requirements of the following tender documents and other Terms and Conditions included in this Enquiry Letter:**
- Annexure-I of GCC Rev. 06: Letter to be furnished by the Bidders.
 - Volume-I of GCC Rev. 06 Comprising i) Definition of terms, ii) Instructions to Bidders, iii) General Commercial Terms & Conditions, iv) Annexures
 - Technical Specification & Technical PQR
 - Special Conditions of Contract, if applicable
- All the above Tender Documents shall automatically become a part of the Order/Contract after its finalisation.
6. Vendors shall quote in accordance with the requirements mentioned in the tender documents. In case of deviations (Technical/ Commercial), the same shall be highlighted separately giving Clause references along with the Cost of withdrawal of Deviations as per Annexure-II to GCC Rev 06 of "DEVIATION SHEET (COST OF WITHDRAWAL)" along with reasons for taking such deviations
- Bidder to note all the points mentioned in "Notes" of Annexure-II to GCC Rev 06**
7. **Please note the following:**
- a. **Price format is enclosed for compliance.**
 - b. **SCC enclosed for compliance (Annexure-3).**
 - c. **GCC enclosed for compliance. GCC Rev-06 is available on www.bhelpem.com. You are requested to kindly download the same.**
8. Tenders shall be submitted strictly in accordance with the requirements of the above tender documents.
9. Standard pre-printed terms & conditions of the tenderers shall not be considered valid.
10. Validity of offer shall be as per **Clause No. 7.0, "Instructions to Bidders" of GCC Rev 06.**
11. Unsolicited fresh/revised Price Bids shall not be entertained.
12. Purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any/all tender(s) in part or full without assigning any reason whatsoever.
13. Late tenders will be rejected.
14. Tenders and all correspondence thereof, shall be addressed to the undersigned by name & designation and sent at the following address:
- | | |
|---|--|
| Mr. PRAHLAD C. MEENA, SR. ENGR, CMM
M/s Bharat Heavy Electricals Ltd.,
Project Engineering Management,
Power Project Engineering Institute,
HRD & ESI Complex,
Plot No 25, Sector-16 A, Noida-201301
Kind Attn: PRAHLAD C. MEENA/ CMM
E-MAIL: pcmeena@bhel.in
Ph. No. 0120-4213532, 09971979974 | Mr. I P SINGH, SR MANAGER, CMM
M/s Bharat Heavy Electricals Ltd.,
Project Engineering Management,
Power Project Engineering Institute,
HRD & ESI Complex,
Plot No 25, Sector-16 A, Noida-201301
Kind Attn: I P SINGH/ CMM
E-MAIL: indra.pal.singh@bhel.in
Ph. No. 0120- 4218749, 09818989654 |
|---|--|
15. 'Definitions of Terms' of GCC Rev. 06 will apply to all the tender documents including this Enquiry Letter.
16. **Delivery:**
- "Two (02) months from drgs. /docs. approval in CAT-I issued by BHEL. Successful bidder to make 1st submission of drawing/docs as per list mentioned in clause 4.3 of Technical Specification-PE-RC-999-507-E015 Rev 00 within 14 days from the date of P.O. Vendor to re-submit documents within 10 days, taking care of all the comments of BHEL. Any deficiency in documents submitted w.r.t. agreed specification/ comments from BHEL shall be treated as non-submission and no. of days delay in submission of complete documents during approval process, on account of this, would be reduced from the delivery. The vendor shall be responsible for getting approval from BHEL as early as possible and BHEL will support the process, in full, within above time frame and terms & conditions."

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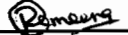
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17. **PRE-QUALIFICATION REQUIREMENT: -**
Bidders are requested to fill up the details in "TECHNICAL PRE-QUALIFYING REQUIREMENT" as per the conditions mentioned in the PQR and also to submit the credentials.
Bids of only those bidders shall be evaluated who meet the technical pre-qualifying requirements (if applicable).
18. Bidders to note that their bid shall be conditional subject to qualifying of PQR by registered vendors & non-registered vendors have to qualify PQR & get registered with PEM for the subject package.
For registration in PEM "Bidders needs to apply & get registered for subject package with PEM before P-2 (price bid opening) & hence you need to apply online for registration on PEM web portal & have to enclose acknowledgement with this effect with the bid documents else your bid will not be considered for evaluation"
19. **Bidders have to quote freight charges in percentage of their quoted ex-works prices for Indigenous items.**
20. Project list is indicative only, BHEL may ask for delivery anywhere in India for any of the project added in the prospective project/ existing projects during RC period.
21. **Bidders have to furnish the acceptance of NIT, all corrigenda, SCC, Integrity pact (if applicable) and all the terms & conditions of GCC Rev 06 in totality. In case of deviations, bidder to clearly mention the same with their techno-commercial offer as per Point No-6 of NIT.**
22. All the above tender documents shall automatically become a part of the Order/Contract after its finalization.
23. **The offers of the bidders who are on the banned list as also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL website www.bhel.com.**
24. **"The Bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice."**
BHEL Fraud prevention policy is also uploaded in vendor's section on www.bhelpem.com.
25. **Bidders are requested to visit constantly our website to update them self for any technical or commercial change in the NIT.**
26. All corrigenda, addenda, amendments, time extensions, clarifications etc. to the tender will be hosted on BHEL websites only (www.bhelpem.com, www.bhel.com & <https://bheleps.buyjunction.in>) under subject tender reference. Bidders are requested to visit our websites from time to time to keep themselves updated. **Bidders may go through the 'Bidder Manual' & Help documents provided on E-Procurement Portal website & obtain required Digital Signature Certificate for participating in the subject Tender. For Bidders' convenience, the Helpdesk Nos. of E-Procurement Portal m-junction are also listed below:**
- MJUNCTION HELPDESK Nos. 033-6601 1717, 9163348283 / 9163348284 / 9163348285 / 9163348286 / 8584008116 / 8584008205, eps.customercare@mjunction.in**
- CRM Contact Details:**
- Mr. Santosh Kumar - Cell No. 09717149600, santosh.kumar@mjunction.in
Ms. Rimi Ghosh - Cell No 09650044156, rimi.ghosh@mjunction.in
27. **CIF allocation is not applicable for this tender. Bidder to quote accordingly.**
28. Bidders to submit their offers strictly in line with the enclosed price format.
29. Inspection shall be done by BHEL/ End Customer/Third Party Agency (finalized by BHEL).
30. Any other taxes & duties applicable on the date of bid but not quoted by the bidders shall be to the bidder's account.
31. Delivery terms for dispatches shall be FOR Dispatch Station.
32. This enquiry is subject to Conditions/ limits if any imposed in PMD / Vendor registration.
33. Foreign & indigenous bidders participating through open/limited tender will necessarily have to buy class III DSCs issued by the certifying authorities in India. Basic procedure/ checklist is uploaded on www.bhel.com.
34. Non-registered bidder to submit the credentials required for Registration in BHEL PEM: -
"Online Registration Portal is operational in BHEL. Non-registered Vendors, who wish to apply for registration with BHEL-PEM, have to apply through Online Registration Portal available at www.bhelpem.com - vendor section - Online Supplier Registration. All credentials and/or documents duly signed and stamped related to registration has to be uploaded on the


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website and submit the application for registration. One set of hard copy of the filled-up SRF downloaded from Online Registration Portal duly signed and stamped has to be submitted."

35. Purchaser reserves the right to split up the scope of the tender enquiry and place the orders for different scope/ items with different bidders and also increase or decrease the quantity.

36. BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.

Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates.

If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com)."

As a reminder to the bidders, system will flash following message (in RED Color) during the course of 'online sealed bid':

"Bidders to submit online sealed bid less than or equal to their envelope sealed bid already submitted to BHEL"

Detailed guidelines of reverse auction 2016 are available on www.bhel.com, same are applicable for subject tender.

The Bidders has to quote the Single Price (i.e. Total Cost to BHEL) in Reverse Auction. Price are to be inclusive of Packing & Forwarding charges, all the routine & type tests as per tender scope, ED + cess, CST against C-form, Freight as applicable, insurance charges, etc. including loading (if any). De-loading (if any) shall be done in line with NIT terms.

IMPORTANT INSTRUCTION TO BIDDERS IN CASE OF REVERSE AUCTION

The Bidders has to quote the Single Price (i.e. Total Cost to BHEL) in Reverse Auction i.e. Price mentioned in Sl no- A.8, column -13 (Y) for indigenous bidders with loading/de loading (if any). Price are to be inclusive of Packing & Forwarding charges, all the routine & type tests as per tender scope, ED + cess, CST against C-form, Freight as applicable, including loading (if any). De-loading (if any) shall be done in line with NIT terms.

Following Condition in Reverse Auction shall be treated as follows:

Case-I (Taxes & duties and freight are identical in Reverse Auction & Conventional Price Bid)

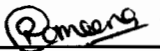
Resolution: - Ordering shall be done on lower of the two bids (RA closing price & Conventional Price Bid). After successful completion of reverse auction L1 bidder shall be asked to submit break up in line with taxes & duties, freight quoted in their Conventional Price Bid.

Case-II (In case Bidder has quoted 'CST' in Conventional Price Bid and applicable Tax is 'VAT')

Resolution: - "Total Cost to BHEL shall be maintained by reducing proportion amount in Ex-works quoted by Bidder".

Case-III (In case Bidder has quoted 'VAT' in Conventional Price Bid and applicable Tax is 'CST')

Resolution: - Conventional Bid/RA quoted Prices shall be reduced and CST will be allowed.


MR PRAHLAD C. MEENA
SR ENGR/CMM
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Statutory variation shall be applicable.

Any new tax structure (like Goods & Services Tax) as and when implemented by the Government shall become applicable in addition to or in lieu of existing tax structure.

Note: - Applicable taxes & duties shall be determined as per location of works of bidder.

Kindly consider the same while quoting the tender.

37. If any bidder has mentioned the term Not Applicable / Not required / Not Quoted in BHEL price format. The bidder needs to substantiate the same. If the same item will be required in future for the system same will be supplied free of cost.
38. Foreign Suppliers & Indian agents of foreign suppliers: Please refer our website <http://www.bhelpem.com/Tenders.aspx> for details.
39. L1 bidder will have to submit Bank Guarantee for each POs (irrespective of value) which will be placed under the Rate Contract finalised through this tender considering RA as original contract as per format mentioned in Annexure-4 to NIT instead of format mentioned in GCC Rev 06
40. Bidder to note that all other terms and condition shall be strictly as per NIT, GCC Rev. 06 & SCC. In the event of any contradiction in the terms and conditions mentioned, the order of preference shall be NIT (this letter) / SCC / GCC Rev. 06.
41. "If any bidder uploads price bid in the unpriced section (techno-commercial attachment page) of the tender in e-procurement, in that case bidder(s) shall only be responsible for such mistake and any consequences thereof. Hence all bidders are requested to be more careful at the time of uploading the Unpriced and Price Bid for Part-I and Part-II respectively to avoid mismatch".

Note: Tenderer must submit UN-PRICED Price format duly filled mentioning the word "QUOTED" in place of actual price given in sealed price bid.

Thanking you,
Yours faithfully,
For and on behalf of BHEL

(Signature of official with Name & Designation)

Enclosure:

1. Annexure-1 – BOQ cum Price Format (Prices should be quoted in this format only)
2. Annexure-2- List of prospective projects
3. Annexure-3- SCC
4. Annexure-4- BG Format
5. Annexure-5 - Techno-Commercial Deviation Sheet (Annexure-II to GCC Rev 06)
6. Technical Specifications
7. Technical PQR

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SR ENGR/CMM
BHEL/PS-PEM
POWER PROJECT ENGINEERING INSTITUTE,
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RATE CONTRACT

PRICE SCHEDULE FOR TREFOIL CLAMPS

NAME OF VENDOR-

SL NO	Item Code	ITEM DESCRIPTION	UOM	ORDERED QUANTITY	UNIT EX-WORKS PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL EX WORKS PRICE OF TREFOIL CLAMPS GIVEN AT SL NO-A.8 OF COLUMN 9	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL EX WORKS PRICE OF TREFOIL CLAMPS GIVEN AT SL NO-A.8 OF COLUMN 9	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST @ % AGAINST FORM 'C' /EI/EII (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)
1	2	3	4	5	6	7	8	9	10	11	12	13
A.1	507-18120-A	OUTER DIA 25.1-30	Nos	8600	0.000224%	Derived	1.93%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived
A.2	507-18121-A	OUTER DIA 30.1-35	Nos	13000	0.000246%	Derived	3.20%	Derived	% TO BE QUOTED	% TO BE QUOTED		Derived
A.3	507-18122-A	OUTER DIA 35.1-40	Nos	19400	0.000286%	Derived	5.54%	Derived	% TO BE QUOTED	% TO BE QUOTED		Derived
A.4	507-18123-A	OUTER DIA 40.1-45	Nos	73250	0.000293%	Derived	21.47%	Derived	% TO BE QUOTED	% TO BE QUOTED		Derived
A.5	507-18124-A	OUTER DIA 45.1-50	Nos	118000	0.000311%	Derived	36.69%	Derived	% TO BE QUOTED	% TO BE QUOTED		Derived
A.6	507-18125-A	OUTER DIA 50.1-55	Nos	93400	0.000328%	Derived	30.61%	Derived	% TO BE QUOTED	% TO BE QUOTED		Derived
A.7	507-24126-A	OUTER DIA 55.1-60	Nos	1500	0.000373%	Derived	0.56%	Derived	% TO BE QUOTED	% TO BE QUOTED		Derived
A.8		GRAND TOTAL	NOS.				100.00%	TO BE QUOTED = Rs X	Derived	Derived	Derived	Derived = Rs Y
Note:-												

1. Bidder to note that evaluation shall be on Grand Total FOR site price to BHEL, however, Bidder to quote grand total Ex works value of the complete package (Rs X) only as per the BOQ above. The item wise break up of Ex works prices (unit as well as total) shall be derived as per the formulae indicated above by BHEL. Bidder also need to indicate taxes percentage in the respective column and single freight percentage of Ex works value considering delivery anywhere in India in the freight column.

2. Rate contract shall be decided on the basis of grand Total FOR site price of Total BOQ

3. Value is to be filled only where "to be quoted" is mentioned and for other columns where "derived" is mentioned, value shall be derived by BHEL as per % allocation fixed against each item

4. Bidder to note that total price indicated above at A.8 shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions agreed.

5. The derived unit price shall be binding for quantity variation which is at discretion of purchaser.

6. Prices shall remain firm during contract execution.

7. For any clarification please refer Technical Specification No-PE-RC-999-507-E015 Rev 00

(P. Meena)
(Prahlad C. Meena)

Annexure 2 to NIT REF No. PE/PG/RTC/E-5651/2017 Dt. 15.06.2017

'TREFOIL CLAMP'

List of Prospective Projects

- (i) 5X800 MW YADADRI,
- (ii) 1X800 MW VIJAYWADA,
- (iii) 1X800 MW KRISHNAPATNAM,
- (iv) 2X660 MW ENNORE,
- (v) 2X800 MW Uppur,
- (vi) 1X800 MW NORTH CHENNAI.
- (vii) 1X250 MW ROURKELA
- (viii) 2X800 MW KARIMNAGAR
- (ix) 1X800 MW KOTHAGUDEM

A handwritten signature in black ink, appearing to read 'Romang', is written over a horizontal line.



BHEL / PEM / CMM
SPECIAL CONDITIONS OF CONTRACT

Annexure-3 To NIT REF No. PE/PG/RTC/E-5651/2017 Dt. 15.06.2017

Special Condition of Rate Contract for 'TREFOIL CLAMPS'

1. BHEL/PEM intends to enter into Rate Contract for the tendered various type/sizes initially for a period of two years. The Rate Contract shall come into force from the date of issue of Purchase order for Rate Contract. Validity for ordering shall be two years from the purchase order for Rate Contract.
2. Transit Insurance is in BHEL scope.
3. The items will be required against respective projects. Exact quantities and Project information shall be intimated while placing order for a specific project based on the Rate Contract.
4. In case of Indigenous bidders, the freight charges shall be payable, as calculated at percentage of ex-works prices quoted by the bidder or actual freight charges paid to transporter whichever is lower against production of documentary evidence. Vendor to quote single freight charges as percentage (%) of ex-works price for destination anywhere in India.
5. Vendor to note that Excise Duty is payable on self manufacturing item only as per clause no 4.1.2 of GCC Rev 06 & hence for their BOI, may quote Excise Duty as inclusive or Nil.
6. The prices shall remain firm during the period of two years from the date of purchase order of subject rate contract with a provision for further extension after review on mutual consent.
7. **In case of Indigenous bidders:**
Inspection of materials shall be carried out by BHEL/CQA and or by Customer or by an authorized agency at manufacturer's works before dispatch, if required. Dispatch of material to be done, only after receipt of BHEL/Customer MDCC. It is responsibility of vendor to obtain Material Dispatch Clearance Certificate (MDCC) from BHEL or Customer as required before dispatch of material.

Vendor shall give inspection call on BHEL-CQS web site to applicable inspection agency with a copy of inspection call to BHEL-PEM for arranging Customer participation (if applicable) in inspection / Joint inspection on the proposed date with an advance notice of 15 working days. Inspection charges shall be paid by BHEL-PEM.

Items have to be manufactured as per specification and supplied strictly in accordance with the approved BHEL / Customer's Drawings & Quality Plan. The items/ test certificate of items, which for any reason are not acceptable to BHEL / Customer, shall be required to be retested. No extra charge shall be payable on those account by BHEL.
8. Mode of dispatch shall be by road through Schedule Bank/BHEL (PEM) approved transporters.
9. Other terms and conditions shall be as per Standard Technical specification no. PE-RC-999-507-E015, REV 00 & GCC Rev 06, Enquiry letter.
10. This enquiry is subject to Conditions/ limits (if any) imposed in PMD/ Vendor registration.
11. Tentative quantity is given in enquiry.
12. Bidders to submit offer for RC of said items ONLINE via e-Procurement System only. Complete tender in all respects duly signed & stamped on each and every page by the authorized signatory of the bidder as a token of acceptance of all the terms and conditions of tender.
13. The Bidder along with its associate/ collaborators/ sub-contractors/ sub-vendor/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL web site <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud as soon as it comes to their notice.

BANK GUARANTEE FOR PERFORMANCE SECURITY

Bank Guarantee No:

Date:

To

NAME

& ADDRESSES OF THE BENEFICIARY

Dear Sirs,

In consideration of the Bharat Heavy Electricals Limited ¹ (hereinafter referred to as the 'Employer' which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) incorporated under the Companies Act, 1956 and having its registered office at _____ through its Unit at.....(name of the Unit) having awarded to (Name of the Vendor / Contractor / Supplier) having its registered office at _____ ² hereinafter referred to as the 'Contractor/Supplier', which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns), a contract Ref No.....dated³ valued at Rs.....⁴ (Rupees _____)/FC.....(in words.....) for⁵ (hereinafter called the 'Contract') and the Contractor having agreed to provide a Contract Performance Guarantee, equivalent to% (.... Percent) of the said value of the Contract to the Employer for the faithful performance of the Contract,

we,, (hereinafter referred to as the Bank), having registered/Head office at and inter alia a branch at being the Guarantor under this Guarantee, hereby, irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer a maximum amount Rs _____ (Rupees _____) without any demur, immediately on a demand from the Employer, .

Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____.

We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the Contractor/ Supplier in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder and the contractors/supplier shall have no claim against us for making such payment.

We thebank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract and that it shall continue to be enforceable till all the dues of the Employer under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged.

We BANK further agree with the Employer that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend time of performance by the said Contractor/Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said Contractor/Supplier and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor/Supplier or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said Contractor/Supplier or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee that the Employer may have in relation to the Contractor's liabilities.

This Guarantee shall remain in force upto and including.....⁶ and shall be extended from time to time for such period as may be desired by Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Contractor/Supplier but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms thereof.

Unless a demand or claim under this guarantee is made on us in writing on or before the⁷we shall be discharged from all liabilities under this guarantee thereafter.

We, BANK lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

Notwithstanding anything to the contrary contained hereinabove:

- a) The liability of the Bank under this Guarantee shall not exceed.....⁸
- b) This Guarantee shall be valid up to⁹
- c) Unless the Bank is served a written claim or demand on or before¹⁰ all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank.

We, _____ Bank, have power to issue this Guarantee under law and the undersigned as a duly authorized person has full powers to sign this Guarantee on behalf of the Bank.

For and on behalf of
(Name of the Bank)

Dated.....

Place of Issue.....

¹ NAME AND ADDRESS OF EMPLOYER I.e Bharat Heavy Electricals Limited

² NAME AND ADDRESS OF THE VENDOR /CONTRACTOR / SUPPLIER.

³ DETAILS ABOUT THE NOTICE OF AWARD/CONTRACT REFERENCE

⁴ PROJECT/SUPPLY DETAILS

⁵ BG AMOUNT IN FIGURES AND WORDS

⁶ VALIDITY DATE

⁷ DATE OF EXPIRY OF CLAIM PERIOD

⁸ BG AMOUNT IN FIGURES AND WORDS.

⁹ VALIDITY DATE

¹⁰ DATE OF EXPIRY OF CLAIM PERIOD

Note:

1. Units are advised that expiry of claim period may be kept 2/3 months after validity date.

2. In Case of Bank Guarantees submitted by Foreign Vendors-

- a. From Nationalized/Public Sector / Private Sector/ Foreign Banks (BG issued by Branches in India) can be accepted subject to the condition that the Bank Guarantee should be enforceable in the town/city or at nearest branch where the Unit is located i.e. Demand can be presented at the Branch located in the town/city or at nearest branch where the Unit is located.
- b. From Foreign Banks (wherein Foreign Vendors intend to provide BG from local branch of the Vendor country's Bank)
 - b.1 In such cases, in the Tender Enquiry/ Contract itself, it may be clearly specified that Bank Guarantee issued by any of the Consortium Banks only will be accepted by BHEL. As such, Foreign Vendor needs to make necessary arrangements for issuance of Counter- Guarantee by Foreign Bank in favour of the Indian Bank (BHEL's Consortium Bank). It is advisable that all charges for issuance of Bank Guarantee/ counter- Guarantee should be borne by the Foreign Vendor. The tender stipulation should clearly specify these requirements.
 - b.2 In case, Foreign Vendors intend to provide BG from Overseas Branch of our Consortium Bank (e.g. if a BG is to be issued by SBI Frankfurt), the same is acceptable. However, the procedure at sl.no. b.1 will required to be followed.
 - b.3 The BG issued may preferably be subject to Uniform Rules for Demand Guarantees (URDG) 758 (as amended from time to time). In case, of Foreign Vendors, the BG Format provided to them should clearly specify the same.
 - b.4 The BG should clearly specify that the demand or other document can be presented in electronic form.

**Annexure-5 (ANNEXURE-II to GCC Rev 06) : DEVIATION SHEET (COST OF WITHDRAWAL)****PACKAGE:- TREFOIL CLAMPS****TENDER ENQUIRY REF NO- PE/PG/RTC/E-5651/2017 Dt. 15.06.2017****NAME OF VENDOR:-**

SL NO	VOLUME/ SECTION	PAGE NO.	CLAUSE NO.	TECHNICAL SPECIFICATION/ TENDER DOCUMENT	COMPLETE DESCRIPTION OF DEVIATION	COST OF WITHDRAWAL OF DEVIATION	REFERENCE OF PRICE SCHEDULE ON WHICH COST OF WITHDRAWAL OF DEVIATION IS APPLICABLE	NATURE OF COST OF WITHDRAWAL OF DEVIATION (POSITIVE/ NEGATIVE)	REASONS FOR QUOTING DEVIATION
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TECHNICAL DEVIATIONS

COMMERCIAL DEVIATIONS

PARTICULARS OF BIDDERS/ AUTHORISED REPRESENTATIVE

NAME	DESIGNATIONS	SIGN & DATE	

NOTES:

1. For self manufactured items of bidder, cost of withdrawal of deviation will be applicable on the basic price (i.e. excluding taxes, duties & freight) only.
2. For directly dispatchable items, cost of withdrawal of deviation will be applicable on the basic price including taxes, duties & freight.
3. All the bidders have to list out all their Technical & Commercial Deviations (if any) in detail in the above format.
4. Any deviation not mentioned above and shown separately or found hidden in offer, will not be taken cognizance of.
5. Bidder shall submit duly filled unpriced copy of above format indicating "quoted" in "cost of withdrawal of deviation" column of the schedule above along with their Techno-commercial offer, wherever applicable
6. Bidder shall furnish price copy of above format along with price bid.
7. The final decision of acceptance/ rejection of the deviations quoted by the bidder shall be at discretion of the Purchaser.
8. Bidders to note that any deviation (technical/commercial) not listed in above and asked after Part-I opening shall not be considered
9. For deviations w.r.t. Payment terms, Liquidated damages, Firm prices and submission of E1/ E2 forms before claiming 10% payment, if a bidder chooses not to give any cost of withdrawal of deviation loading as per Annexure-VIII of GCC, Rev-06 will apply. For any other deviation mentioned in un-priced copy of this format submitted with Part-I bid but not mentioned in priced copy of this format submitted with Priced bid, the cost of withdrawal of deviation shall be taken as NIL.
10. Any deviation mentioned in priced copy of this format, but not mentioned in the un-priced copy, shall not be accepted.
11. All techno-commercial terms and conditions of NIT shall be deemed to have been accepted by the bidder, other than those listed in unpriced copy of this format.
12. Cost of withdrawal is to be given separately for each deviation. In no event bidder should club cost of withdrawal of more than one deviation else cost of withdrawal of such deviations which have been clubbed together shall be considered as NIL.
13. In case nature of cost of withdrawal (positive/negative) is not specified it shall be assumed as positive.
14. In case of discrepancy in the nature of impact (positive/ negative), positive will be considered for evaluation and negative for ordering.

VOLUME -II
TECHNICAL SPECIFICATION
FOR
TREFOIL CLAMP

SPECIFICATION NO: *PE-RC-999-507-E015*

REVISION: 00



BHARAT HEAVY ELECTRICALS LIMITED
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NOIDA, UP (INDIA) – 201301



TECHNICAL SPECIFICATION FOR TREFOIL CLAMP

SPECIFICATION NO. PE-RC-999-507-E015

VOLUME II

SECTION

REVISION 00

DATE: 16.05.2017

SHEET 1 OF 1

CONTENTS

Sl. No.	DESCRIPTION	NO. OF SHEETS
1.0	SECTION- I	
	COMPLIANCE CERTIFICATE	01
	SPECIFIC TECHNICAL REQUIREMENTS	02
	DATA SHEET – A	01
2.0	SECTION- II	
	STANDARD TECHNICAL REQUIREMENTS	02
	STANDARD DRAWING	01
	STANDARD QUALITY PLAN (ALONG WITH ANNEXURE-A)	02

Total nos. of sheets including cover & separator sheets = 13 sheets



**TECHNICAL SPECIFICATION FOR
TREFOIL CLAMP**

SPECIFICATION NO. PE-RC-999-507-E015

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COMPLIANCE CERTIFICATE

The bidder shall confirm compliance to the following by signing/ stamping this compliance certificate and furnishing same with the offer.

1. The scope of supply, technical details, construction features, design parameters etc. shall be as per technical specification & there are no exclusion/ deviation with regard to same
2. There are no deviation with respect to specification other than those furnished in the 'schedule of deviations'
3. Only those technical submittals which are specifically asked for in NIT to be submitted at tender stage shall be considered as part of offer. Any other submission, even if made, shall not be considered as part of offer.
4. Any comments/ clarifications on technical/ inspection requirements furnished as part of bidder's covering letter shall not be considered by BHEL, and bidder's offer shall be construed to be in conformance with the specification.
5. Any changes made by the bidder in the price schedule with respect to the description/ quantities from those given in 'BOQ-Cum-Price schedule' shall not be considered (i.e., technical description and Quantities as per specification shall prevail).

BIDDER'S STAMP & SIGNATURE



**TECHNICAL SPECIFICATION FOR
TREFOIL CLAMP**

SPECIFICATION NO. PE-RC-999-507-E015

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SECTION I

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SECTION – I

SPECIFIC TECHNICAL REQUIREMENTS



TECHNICAL SPECIFICATION FOR TREFOIL CLAMP

SPECIFICATION NO. PE-RC-999-507-E015

VOLUME II

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SHEET 1 OF 3

1.0 PURPOSE

This specification is intended for finalization of rate contract between BHEL PEM and Bidder. Standard technical detail as indicated in the specification shall be agreed upon between BHEL PEM and bidder. Project specific technical detail shall be made available to the bidder along with project enquiry.

2.0 SCOPE OF ENQUIRY

- 2.1 Design, manufacture, inspection and testing at manufacturer's works, proper packing and delivery to site of Trefoil Clamp conforming to this specification.
- 2.2 It is not the intent to specify herein all the details of design & manufacture of material. However, the material shall conform in all respects to high standard of design, engineering and workmanship and shall be capable of performing in continuous commercial operation at site conditions.
- 2.3 Technical details of trefoil clamps are indicated in Data sheet-A & section-II .
- 2.4 The stipulation of Data Sheet-A shall prevail in case of any conflict between the stipulations of
Data Sheet-A & Section-II.

3.0 BILL OF QUANTITIES

The bidder to quote for items as per price schedule attached with NIT. **The quantity as mentioned in the BOQ is only for evaluation purpose.** However actual ordered quantity may vary from project to project throughout the contract.

4.0 DRAWINGS & DOCUMENTS TO BE SUBMITTED

- 4.1 Documents required to be submitted by the bidder along with the Technical offer:-
a) Type test report as per data sheet-A. Test Report should not be older than 1 Feb 2011.
- 4.2 After rate contract; against specific project requirement following information shall be furnished by BHEL:-
a) BOQ (Bill of Quantities)



TECHNICAL SPECIFICATION FOR TREFOIL CLAMP

SPECIFICATION NO. PE-RC-999-507-E015

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4.3 Following documents shall be submitted for specific project requirement after placement of order for BHEL & customer's approval: -

Sl. No.	Drawings / Document Description	Document Number	Document Type	First Submission	Re-Submission
1	Technical Datasheet of Cable Trefoil Clamp	PE-V0-XXX-507-E001	Primary	Within two weeks of award of contract	Within 10 Days after comments.
2	GA drawing of Cable Trefoil Clamp	PE-V0-XXX-507-E002	Primary	Within two weeks of award of contract	Within 10 Days after comments.
3	Quality Plan for Cable Trefoil Clamp	PE-V0-XXX-507-E901	Primary	Within two weeks of award of contract	Within 10 Days after comments.

4.4 Drawings/ documents shall be submitted through Document Management System (DMS).



**TECHNICAL SPECIFICATION FOR
TREFOIL CLAMP**

SPECIFICATION NO. PE-RC-999-507-E015

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SHEET 3 OF 3

DATA SHEET - A

S.NO.	Technical Parameters					
1	Voltage grade	33kV	11kV	6.6kV	3.3kV	1.1kV
1.1	Application	Indoor & Outdoor				
1.2	Material	NYLON-6				
1.3	Hardwares	Hot Dip Galvanised / Zinc Passivated / Cadmium Plated				
2.	Type and Design	Generally conforming to Drg. No. PE-DG-999-507-E015				
3.	Sizes	To suit the ODs of cables (including tolerances in ODs) as per BOQ cum price schedule.				
4.	Short Circuit Current Value	125 kA (peak)				



**TECHNICAL SPECIFICATION FOR
TREFOIL CLAMP**

SPECIFICATION NO. PE-RC-999-507-E015

VOLUME II

SECTION II

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SECTION-II

STANDARD TECHNICAL REQUIREMENTS



TECHNICAL SPECIFICATION FOR TREFOIL CLAMP

SPECIFICATION NO. PE-RC-999-507-E015

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Sheet 1 of 2

1.0 CODES AND STANDARDS

- 1.1 The material shall comply with all currently applicable safety codes and statutory regulations of India as well as of the locality where the material is to be installed.
- 1.2 The design, material, construction, manufacture, inspection and testing of Trefoil clamp shall conform to the latest revision of relevant standards and codes of practices.

2.0 TECHNICAL REQUIREMENTS

- 2.1 Technical particulars of Trefoil Clamp are specified in Datasheet-A.
- 2.2 The trefoil clamps shall be designed & manufactured in accordance with the best engineering practices and shall be suitable for intended purpose.
- 2.3 The Nylon – 6 trefoil clamps shall meet the following requirements
 - a) High mechanical strength
 - b) Resistance to chemicals
 - c) Non hygroscopic
 - d) Fire retardant
- 2.4 Bolts, nuts & washers used shall be hot dip galvanised / zinc passivated / cadmium plated.

3.0 QUALITY ASSURANCE, TESTING & INSPECTION

- 3.1 Bidder shall confirm compliance with the BHEL's Standard Quality Plan (PE-QP-999-507-E009) as attached with the specification without any deviations. At contract stage, the successful bidder shall submit the Quality Plan for BHEL/ ultimate customer's approval. In case bidder has reference Quality Plan agreed with ultimate customer, same can be submitted for specific project after award of contract for BHEL/ ultimate customer's approval. There shall be no commercial implication to BHEL on account of minor changes during QP approval.
- 3.2 All materials shall be procured, manufactured, inspected and tested by vendor/ sub-vendor as per approved Quality Plan.
- 3.3 The supplier shall perform all tests necessary to ensure that the material and workmanship conform to the relevant standards and comply with the requirements of the specification. Charges for all these tests for all the equipments & components shall be deemed to be included in the bid price.
- 3.4 The bidder shall furnish the reports of all the type tests carried out, which shall conform to the latest revision of relevant standards. These reports should be for the tests conducted either in government approved third party laboratory or witnessed by client (such as major utilities/ industries) on identical/ similar items to those ordered under this contract.



TECHNICAL SPECIFICATION FOR TREFOIL CLAMP

SPECIFICATION NO. PE-RC-999-507-E015

VOLUME II

SECTION II

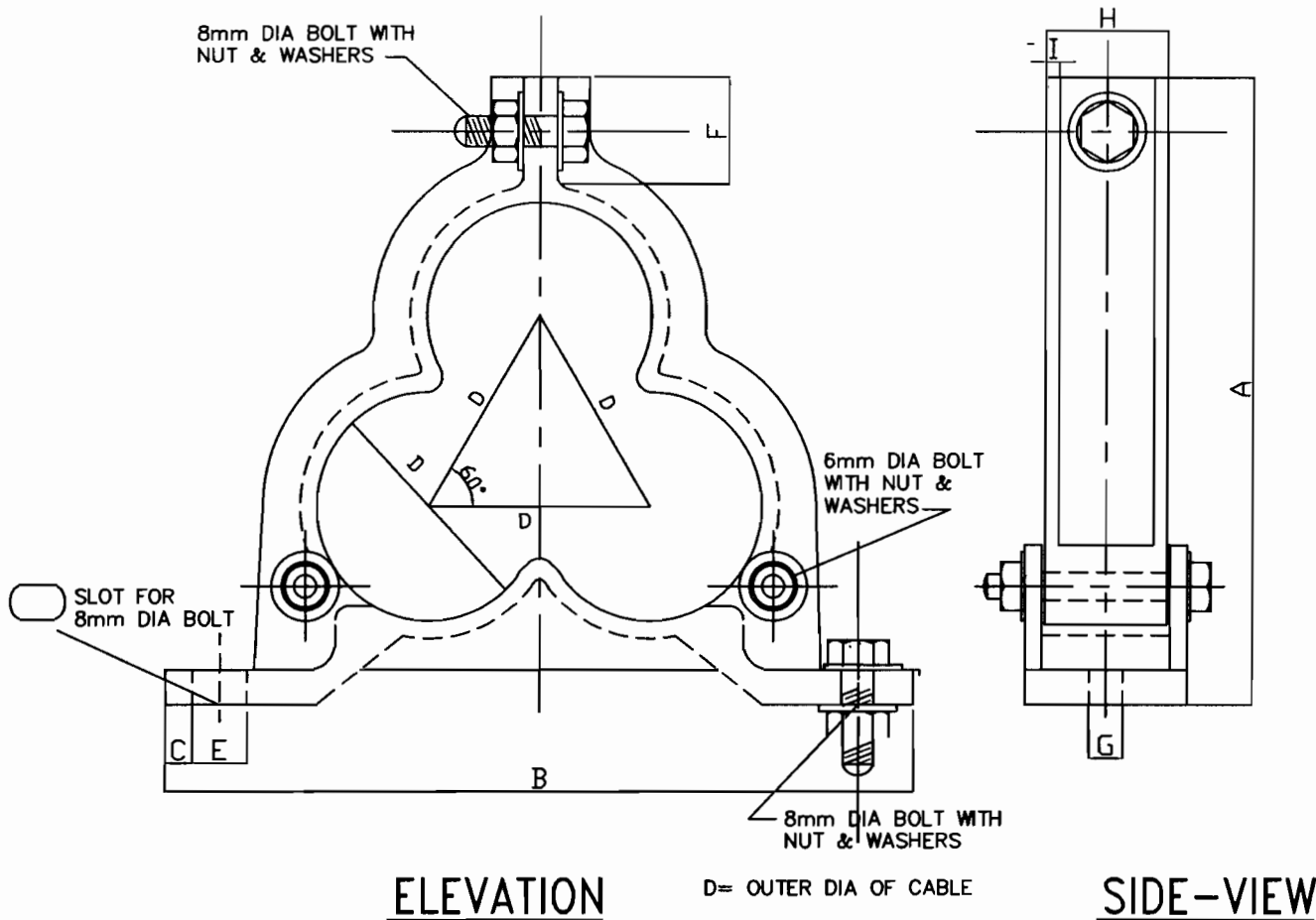
REVISION 0

DATE: 16.05.2017

Sheet 2 of 2

4.0 PACKING

Trefoil Clamp shall be packed in strong plastic bags/ strong card board container/ gunny bags to protect it against damage during transit, storage for prolonged periods and handling. It shall have proper marking over the box for easy identification.



A	B	C	D	E	F	G	H	I	CABLE SIZE

NOTES:-

1. TREFOIL CLAMPS SHALL BE OF MOULDED TYPE OF NYLON MATERIAL (NYLON-6) TYPE.
2. ALL SHARP EDGES, CORNERS AND ENDS SHALL BE ROUNDED SMOOTH.
3. ALL BOLTS, NUTS & WASHERS SHALL BE HOT DIP GALVANISED/ZINC PASSIVATED/CADMIUM PLATED.
4. MOULDING/ CASTING TOLERANCE OF TREFOIL CLAMPS SHALL BE LIMITED TO $\pm 5\%$.
5. ALL DIMENSIONS ARE IN MM.
6. ALL BOLTS WITH NUTS AND WASHERS REQUIRED FOR ASSEMBLING TREFOIL CLAMP & FOR FIXING OVER CABLE TRAY SHALL BE IN VENDOR'S SCOPE & SHALL BE SUPPLIED ALONG WITH TREFOIL CLAMP.

REVISIONS

NAME

DATE

DRG. DESCRIPTION

TYPICAL DETAIL OF CABLE TREFOIL CLAMP

DRG. NO.

PE-DG-999-507-E015



BHARAT HEAVY ELECTRICALS LTD.
PROJECT ENGINEERING MANAGEMENT
NOIDA

		QUALITY PLAN		CUSTOMER :		PROJECT TITLE:		SPECIFICATION : PE-RC-999-507-E014			
				BIDDER/ : VENDOR		QUALITY PLAN NUMBER: PE-QP-999-507-E009		NUMBER :			
SHEET 1 OF 1				SYSTEM CABLEING		ITEM : TREFOIL CLAMP		TECHNICAL SPECIFICATION FOR TREFOIL CLAMP			
SL. NO.	COMPONENT/OPERATION	CHARACTERISTIC CHECK	CAT.	TYPE/ METHOD OF CHECK	EXTENT OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORM	FORMAT OF RECORD	AGENCY	REMARKS	
1	2	3	4	5	6	7	8	9	P	W	V
1	RAW MATERIAL	1. TENSILE STRENGTH	MA	PHYSICAL TEST	SAMPLE PER BATCH	MANUFACTURER'S CATALOGUE	MANUFACTURER'S OR SUPPLIER'S TEST CERTIFICATE	TEST CERTIFICATE	3/2	-	1
2	FINISHED PRODUCT	2. MELTING POINT	MA	PHYSICAL TEST	SAMPLE PER BATCH	MANUFACTURER'S CATALOGUE	MANUFACTURER'S OR SUPPLIER'S TEST CERTIFICATE	TEST CERTIFICATE	3/2	-	1
		1. FINISH	MA	VISUAL	IS 2500 (PART 1) LEVEL S4	APPROVED DRG.	APPROVED DRG.	INSPECTION REPORT	2	1	1
2. DIMENSION	MA	MEASUREMENT	IS 2500 (PART 1) LEVEL S4	APPROVED DRG.	APPROVED DRG.	INSPECTION REPORT	2	1	1		
3. TEMPERATURE CYCLE TEST	MA	PHYSICAL	3 NOS. PER LOT PER SIZE	NOTE - A	INSPECTION REPORT	2	1	1			
4. LOAD BEARING TEST	MA	PHYSICAL	3 NOS. PER LOT PER SIZE	NOTE - B	INSPECTION REPORT	2	1	1			

ANNEXURE –A

INSTRUCTIONS FOR QUALITY PLAN

The Quality Plan shall include all the Quality Control Measures and Checks adopted by the Vendor to ensure that the material/component/assembly/services supplied by him meet/will meet the requirements as per specifications and good practices. They shall include all stages of operation such as materials, processes, manufacture, assembly, packing and despatch. The following guide lines may be noted:

- Column 1- Serial Number
- Column 2- Component/Operation- The component and/or operation being checked shall be given here.
- Column 3- Characteristics check- The characteristics being checked shall be given here, e.g., chemical composition, mechanical properties, leak tightness, surface defects etc..
- Column 4- Category - 'CR' stands for critical characteristic - affecting safety of equipment and personnel
'MA' stands for major Characteristic - affecting safety of equipment and personnel
'MI' stands for minor characteristic - affecting appearance etc.
- Column 5- Type/Method of check e.g. chemical analysis tensile testing, hydraulic test, visual examination radiography etc.
- Column 6- Extent of check, such as, 100, 10, 1 percent etc.
- Column 7- Reference Documents - Documents, such as technical specification, drawings, standard specifications (IS, BS ETC.) procedure, etc. according to which check is done.
- Column 8- Acceptance Norms - Standards etc. according to which acceptability or otherwise of the characteristics being checked is decided.
- Column 9- Format of Record - Formats, log sheets, reports, etc. in which the observations are recorded. Standard log sheets, reports, formats etc. of the Vendors shall be numbered and such reference numbers shall be included here.
- Column 10- Agency - The agency which performs the test/instruction shall be written in sub-column 'W'
The agency which verifies test certificates/inspection records and carries out audit check of the components/operation shall be written in sub-column 'V'

The agencies are codified as 1,2 & 3

'1' stands for (BHEL)

'1' * means the operation shall be cleared by BHEL before the start of the next operation.

'2' Stands for Vendor

'3' stands for sub-Vendor of the Vendor and so on.

Example :

Entry '3' in column 'P' means test./inspection to be performed by sub-Vendor's QC

Entry '2' in column 'W' means test./inspection to be witnessed by Vendor's QC

Entry '1' in column 'V' means verification shall be done by BHEL and next stage to be started only after the hold point is cleared by BHEL

Column 11- Remarks - Any special remarks shall be given here.

NOTES :

1. In absence of correlation with the test certificate(s) (e.g. material identification) samples shall be drawn by BHEL and all tests as per relevant specifications shall be carried out in their presence or in recognized Government Laboratory.
2. When materials and components are initially identified and stamped by BHEL QS engineer, the identification marks shall be preserved till despatch. Wherever this is not possible, the identification mark shall be transferred to the components in the presence of BHEL QS Engineer unless otherwise agreed.
3. For castings and forgings integral test specimens shall be provided, When this is not possible for casting, they shall be poured in the presence of BHEL QS Engineer unless otherwise, if witnessing of test by BHEL is called for.
4. When welders qualified by reputed inspection agencies or statutory bodies are not available, qualification tests shall be conducted in the presence of BHEL QS Engineer.
5. This Quality Plan is liable to be modified as per the requirements of approved drawings and changes in technical specifications/drawings. If there are contradictions in respect of column 7 & 8 between this Quality Plan and the approved drawings specifications, the latter shall prevail.
6. Wherever inspection by BHELs Purchaser/Third Party/Statutory authorities are mandatory, this shall be complied with.
7. Inspection reports, log sheets, test reports/certificate. etc. shall be furnished to BHEL at the appropriate stages or at the time of final inspection, as required.
8. This Quality Plan is also applicable to spares, if any, under scope of supply of Vendor.
9. The quality plan shall be submitted in minimum 4 copies with a soft copy of the same or in line with contract requirements.

	PRE-QUALIFICATION REQUIREMENTS FOR TREFOIL CLAMPS	PE-PQ-999-507-E005
		REVISION NO. 02 DATE 29/04/2016
		SHEET NO. 1 OF 1

ITEMS : Trefoil clamps

Vendor may be considered for evaluation for either or both type of trefoil clamps :

Type 1 – Nylon-6 material

Type 2 – Aluminium alloy

SCOPE: Supply : YES; Erection & Commissioning : NO;

1	Manufactured & supplied applicable type of trefoil clamps for single core cable of minimum overall dia. of 50 mm.
2	Availability of type test certificates (for short circuit at 125kA peak or above) for the applicable type of trefoil clamps.
3	Vendor has his own facility for manufacturing applicable type of trefoil clamps: a) Nylon-6 material b) Aluminium alloy
4	Manufacturing capacity of 10000 nos. per month for the applicable type of trefoil clamps.
5	Manufactured & supplied at least 20000 nos. trefoil clamps of applicable type in one or more orders.
6	Minimum two (2) nos. purchase orders for trefoil clamps of applicable type shall be submitted which should not be more than five (5) years old from the date of application for registration or date of techno-commercial bid opening (as applicable) for establishing continuity in business.

NOTE:

Supplier to comply to "general points of PQR" available at <http://bhelpem.com/vensection/PMD/PMD.aspx>
In case supplier is not OEM, the offer shall be evaluated as per point no 1 of "general points of PQR".