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सत्यमेव जयते

भारत सरकार
Government of India
भामा परमाणु अनुसंधान केंद्र
Bhabha Atomic Research Centre
रिएक्टर इंजीनियरी प्रभाग
Reactor Engineering Division

हाल - 7,
ट्रॉम्बे,
मुंबई - 400 085,
HALL No. 7,
TROMBAY,
MUMBAI - 400 085

RED/RCCS/HVS/4218/2CS /MF/25287 /2018
To,

05/02/2018

Sub: Procurement of raw materials, fabrication, machining, inspection and supply of PIU tool components and cables as per attached specification (PIU20171207).

Sealed quotations are invited by Head; RCCS on behalf of the President of India for procurement of raw materials, fabrication, machining, inspection and supply of PIU tool components and cables as per attached specification (PIU20171207).

- 1) Quotations have to be submitted on printed letter head and the rates shall be typewritten only and handwritten rates shall not be considered.
- 2) The taxes, excise duty and transportation charges shall be quoted separately. GST number and PAN should clearly be typewritten in the quotation.
- 3) **The quotations must reach, Head, RCCS, Hall No.-7, BARC, Trombay, Mumbai 400 085 by 21/02/2018 by speed post or registered post only. Quotations will be opened on 22/02/2018 at 11 a.m.**
- 4) The above mentioned reference no. date and time of opening of bids must be clearly written on the sealed envelope containing the quotation.
- 5) The offer shall be kept open for acceptance for a period of 45 days from the date of opening of the quotation.
- 6) No free issue material shall be provided by the purchaser.
- 7) Item shall be subjected to inspection, testing and evaluation at bidder's premises by purchaser or his representatives. Necessary access and facilities required for carrying out inspection, testing and evaluation of the items shall be provided to the purchaser or his representatives. The finished items shall not be dispatched without the approval of the purchaser or his representatives.
- 8) The bidder shall deliver the finished items with documents to the purchaser within 90 days from the date of issue of the work order. The delivery is to be made at REZ stores, Hall -7, BARC, Trombay, Mumbai 400085.
- 9) Payment will be made as per rules, after the delivery of the items satisfactorily and against submission of original bill in triplicate and advance stamped receipt. Part payments and advance payments are not possible.
- 10) Income tax @2% shall be deducted from the bill.
- 11) Purchaser reserves the right to accept/reject any or all the quotations received without assigning any reason whatsoever.
- 12) Specification and drawings/sketches given to the bidder must be returned along with quotation.

- 13) Interested firms/ bidders shall contact Shri Hiren Shedge, SA/D, RED, RCCS, (Ph. No: 022-25591584/79, E-mail: hirens@barc.gov.in) for fabrication drawings and any further clarification before due date.
- 14) The bidder shall furnish the detailed information regarding whether an ex-employee of BARC is working in your organization or whether any of your relative is working in DAE/ BARC or you are ex-employee of DAE/ BARC. In case of absence of such information or wrong information, the quotation or contract is likely to be rejected or cancelled.

CONFIDENTIALITY CLAUSES:

- I. Confidentiality: No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as "Proprietary" in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party.
This clause shall apply to the sub-bidders, consultants, advisers or the employees engaged by the party with equal force.
- II. "Restricted information" categories under Section 18 of the Atomic Energy Act, 1962 and "Official Secrets" under Section 5 of the Official Secrets Act, 1923:-
Any contravention of the above-mentioned provisions by any bidder, sub-bidder, consultant, adviser or the employees of a bidder will invite penal consequences under the aforesaid legislation.
- III. Prohibition against use of BARC's name without permission for publicity purposes: The bidder or sub-bidder, consultant, adviser or the employees engaged by the bidder shall not use BARC's name for any publicity purpose through any public media like Press, Radio, T.V. or Internet without the prior written approval of BARC.

Thanking you,

Encl:- Specification

Yours Sincerely,


24/10/18

(K Madusoodanan)
Head, RCCS

For and on behalf of the President of India
(The Purchaser)

Specification for PIU tool and Cable (20171207)

Part I

Scope of supply: Supply of PIU tool components and cables as described in the following specification.

Quantity:

Sr No.	Description	Qty	Unit
1	Under Water Primary Lead Cable	250	Mtr
1a	Under Water Shielded Primary Lead Cable	250	Mtr
2	Under Water Primary Winding Cable	1000	Mtr
3	Under Water Secondary Lead Cable	500	Mtr
4	Under Water Secondary Winding Cable	1000	Mtr
5	Part No. 1 (Front Bearing)	1	No
6	Part No. 2 (M4 bolt for bearing)	4	Nos
7	Part No. 3 (Central Rod)	1	No
8	Part No. 4 (Primary (Transmission) Coil)	1	No
9	Part No. 5 (Pin for Primary coil)	1	No
10	Part No. 6 (Secondary (Receiving) Coil)	1	No
11	Part No. 7 (Pin for receiving Coil)	1	No
12	Part No. 8 (Rear Bearing)	1	No
13	Part No. 9 (Shielding Cap)	1	No
14	Primary (Transmitting) Coil winding (Without material)	1	No
15	Secondary (receiving) coil winding (Without material)	1	No

Part II

Technical requirements

A) For Wires / Cables

1) Under water Primary Lead Cable: Qty: 250 mtr (in minimum packing size of 100 mtr or above).

- 1) 1000 Volt rating.
- 2) 0.5 Sq mm x 2 Core (99.9% pure tinned copper).
- 3) Insulation LDHMW Polyethylene for each core.
- 4) Outer Jacket: Polyurathane (Shore Hardness > 90, Elongation 250% and tensile strength 200 Kg/cm²).
- 5) Outer diameter: < Ø 5.5 mm.

1a) under water shielded primary lead cable: Qty: 250 mtr, (Minimum packing size of 100 mtr or above).

- 1) 1000 Volt rating.
- 2) 0.5 Sq mm x 2 core (99.9% pure tinned copper)
- 3) Insulation: LDHMW for each core.
- 4) Outer Braiding: Braiding tinned copper, Aluminium mylar tapped

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- 5) Outer Jacket : Polyurathane (90+Hardness, Elongation 250%, tensile strength 200 Kg/cm²)
- 6) Diameter : 6.5mm OD

2) Under water Primary Winding: Qty L 1000 mtr (Minimum packing size of 500 mtr or above).

- 1) 1000 Volt rating.
- 2) 21 SWG (99.9% pure copper).
- 3) Outer Insulation: Heat resistant PVC (85+ hardness; 200% Elongation and tensile strength 250 Kg/cm²).
- 4) Inner Insulation: Triple Coated Polyimide.
- 5) Outer diameter: < Ø 1.4 mm.

3) Under water Secondary lead cable: Qty: 500 mtr (Minimum packing size of 100 mtr or above).

- 1) 1 Pair (7/36 SWG) and 1 Core (7/36 SWG) (99.9% pure tinned copper).
- 2) Insulation: LDHMW Polyethylene.
- 3) Overall Shielding Aluminium Mylar with copper drain wire.
- 4) Overall Jacket: Polyurathane.
- 5) Outer diameter: < Ø 6.5 mm.

4) Under water Secondary winding cable (Qty: 1000 mtr; Single packing).

- 1) 32 SWG bare annealed copper with 99.9% purity.
- 2) Triple coated polyimide.
- 3) Final OD < 0.32 mm.

B) For components of PIU tool

For drawing, material and more details of components supplier should contact indenter.

Part III

Note to bidders:

1. All applicable and relevant taxes should listed separately by the bidder.
2. The item has to be delivered to REZ Stores, Hall-7, BARC, Trombay, Mumbai 400 085, India.
3. Items will be subjected to inspection, testing and evaluation by the purchaser or his authorised representative.
4. The material shall not be delivered without obtaining clearance from the purchaser. The purchase will give clearance only after successful completion of inspection and testing.
5. Material and facilities required for testing and inspection to be provided by bidder free of cost.
6. The supplier should supply material within 2 months after the receipt of the purchase order.
7. Purchaser reserves the right to accept/reject any or all the quotations received without assigning any reason whatsoever.
8. Incomplete quotation will not be considered for evaluation.
9. At least one year warranty to be given on product defects in material and workmanship.
10. No advance payment is possible.

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04/02/2018