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|  | <p>AJMER VIDYUT VITRAN NIGAM LIMITED (MATERIAL MANAGEMENT WING) Corporate Identification Number (CIN) – U40109RJ2000SGC016482 Reg. Off. Vidyut Bhawan, Panchsheel Nagar, Makadwali Road, Ajmer-305004 Phone: 0145-2644529, Fax: 0145-2644542, E-Mail: semmajm.avvnl@rajasthan.gov.in semmajm.avvnl@rajasthan.gov.in semmajm.avvnl@rajasthan.gov.in Website – http://energy.rajasthan.gov.in/avvnl</p> |
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Specification No. AVVNL/SE(MM)/E1A2/TN-1282

**SPECIFICATION FOR SUPPLY OF HOT DIP GALVANISED STEEL STAY SETS
OF SIZE 16x1800 mm UNDER TN-1282**

| | |
|--|--|
| Last Date & time for down loading of tenders | 27.02.2019 upto 01:30 PM |
| Last Date & time for submitting of tenders | 27.02.2019 upto 05:00 PM |
| Date of opening of tenders | 28.02.2019 at 3.30 PM |
| Cost of Specification | Rs. 2950.00 (Rs. Two Thousand Nine Hundred Fifty only) |
| Tender Processing fees | Rs. 1180.00 (Rs. One Thousand One hundred Eighty only) |
| Validity | 120 days from the next date of opening of Techno commercial bid. |
| Tendering Quantity | 16x1800 mm – 2,50,000 Sets. |
| Estimated Unit for Destination Price of Item | Rs. 1438 Lacs |
| BID SECURITY TO BE DEPOSITED | i) General Bidder : Rs. 28,76,000 ii) Sick Unit : Rs. 14,38,000 iii) SSI Unit of Rajasthan : Rs. 7,19,000 * |
| CONTACT PERSON (AUTHORISED SIGNATORY) | PERSON BID Superintending Engineer (MM) AVVNL, Ajmer |
| CORRESPONDENCE ADDRESS: | Makarwali Road, Panchsheel Nagar, Ajmer |
| MOBILE NO. | 9414004258 |
| TELEPHONE & FAX Nos.: | 0145-2644529 / 0145-2644542 |
| WEBSITE & E-MAIL: | 1. Web: www.avvnl.com 2. Web: http://risl.rajasthan.gov.in , Email: info.risl@rajasthan.gov.in |

Raj Comp Info Services Limited (RISL)

Address of RISL:- 1st Floor, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur
(Rajasthan)

Phone: 0141- 5103902, 4031900 Fax: 0141-2228701

Web: <http://risl.rajasthan.gov.in>, Email: info.risl@rajasthan.gov.in

*** In case SSI unit of Rajasthan quotes the less than the tendered quantity, then they are required to furnish Bid Security @ 0.5% of the estimated value of quantity of offered item (s) on the basis of estimated unit FOR Destination price(s) mentioned hereunder, failing which bid shall be considered non-responsive.**

For example, if the bidder quotes only minimum 2.5% quantity then the bid security amount may be calculated as under:-

| S. No. | Rating | Tendered Qty. | Min. Qty. quoted (sets) | Estimated unit For destination price in Rs. | Bid security amount @ 0.5% (Rs.) |
|----------------------------------|------------------------------|----------------|-------------------------|---|----------------------------------|
| 1. | Stay Sets of Size 16x1800 mm | 2,50,000 Sets. | 6250 | 575.00 | 17,969 |
| Total Bid security amount in Rs. | | | | | 17,969 |

In case the bidder offers anyone items, then he has to furnish the bid security @ 0.5% of the estimated value of quantity offered of that item.

Further, while depositing the bid security amount/BG in the office of Superintending Engineer (MM), AVVNL Ajmer, the bidders shall furnish a certificate regarding SSI unit of Rajasthan and of sick unit (if applicable) along with quantity of offered item(s) by them.

- Note: 1. The bidders in their own interest are advised to go through the complete specification carefully.**
2. The bidders, in their own interest, are requested to read very carefully Section-I (Instruction to bidders), Section-II (General Condition of Contract) & Section-III (Technical Specification) before filling the bid. The Bid documents be downloaded from AVVNL website www.avvnl.com or [www.http://eproc.rajasthan.gov.in](http://eproc.rajasthan.gov.in) and upload the tender on website of RISL [www.http://eproc.rajasthan.gov.in](http://eproc.rajasthan.gov.in). No hard copy of the bidding documents will be provided to the bidders through this office. In case of any discrepancy found in bidding documents downloaded from the website and appended with the bid (as a bid document) and original copy of such document available in the office of Superintending Engineer (MM), Ajmer Discom, Ajmer then the copy available with Superintending Engineer (MM.), Ajmer Discom, Ajmer will be considered as final document for all purpose. The cost of Bid document as published in NIT shall be furnished along with downloaded bid document in the manner prescribed in bid document.

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1. Tender documents will be made available on e-Tendering portal <http://www.eproc.rajasthan.gov.in/nicgep/app>. The bidders, in their own interest are requested to read very carefully the tender document before submitting the bid only through online on website <http://www.eproc.rajasthan.gov.in/nicgep/app>. The bidders can download bid documents and submit their bids upto 5.00 p.m. one day prior to schedule date of opening of respective bid mentioned above.
2. Eligible bidders should submit their bid well in advance instead of waiting till last date. AVVNL will not be responsible for non-submission of Bid due to any website related problems.
3. The Tender process fee **Rs.1,180/-** to be paid by Demand Draft/Banker's Cheque in favour of MD,RISL, Jaipur (payable at Jaipur) and cost of tender specification fee **Rs. 2,950/-** to be paid by Demand Draft/Banker's Cheque in favour of Sr. AO (EA & Cash), AVVNL, Ajmer (payable at Ajmer), be deposited in the office of the Superintending

Engineer (MM), AVVNL, Vidyut Bhawan, Panchsheel Nagar, Makadwali Road, Ajmer-305004 upto 2.00 p.m. upto one WORKING day prior to schedule date of opening of respective bid.

The Bid Security amount (as applicable) to be paid by Demand Draft/Banker's Cheque in favour of Sr. AO (EA & Cash), AVVNL, Ajmer (payable at Ajmer) or Bank Guarantee, in specified format, of a scheduled bank in favour of Account Officer (MM), AVVNL, Ajmer, be deposited in the office of the Superintending Engineer (MM), AVVNL, Vidyut Bhawan, Panchsheel Nagar, Makadwali Road, Ajmer-305004 upto 2.00 p.m. upto one WORKING day prior to schedule date of opening of respective bid.

4. The bidders are required to **upload the** receipt of depositing all above payments along with their tender at the relevant place on the scheduled date & time otherwise their bids are liable to be rejected.
5. Eligible bidders should submit their bid well in advance instead of waiting till last date. AVVNL will not be responsible for non-submission of Bid due to any website related problems.

Note :- 1. All eligible interested bidders are required to get enrolled on e-Tendering portal <http://www.eproc.rajasthan.gov.in/nicgep/app>.
2. If any difficulty arises, in downloading/ uploading of tender you may contact in the RISL, Jaipur Rajasthan at following Contact/address.

Address of RISL:- RajCOMP Info Services Limited (RISL)
1st Floor, YojanaBhawan, TilakMarg, C-Scheme, Jaipur (Rajasthan)
Phone: 0141- 5103902, 4031900 Fax: 0141-2228701
Web: <http://risl.rajasthan.gov.in>, Email: info.risi@rajasthan.gov.in

SECTION-III**TECHNICAL SPECIFICATION FOR GALVANISED STEEL STAY SETS OF SIZE 16x1800 mm AGAINST TN-1282.****1.0 SCOPE**

This specification covers the design, manufacture, inspection, testing before dispatch, supply and delivery F.O.R. destination anywhere in Ajmer Discom of hot dip galvanized steel stay sets of size 16x1800 mm (oiled threads) with G.S. Anchor plates, as per pattern-1 of BS:16/1974.

1.1 Size 16x1800 mm

Hot dip galvanized steel stay sets of dia 16mm, 1800 mm long (oiled threads complete with ratchet nut, GS anchor plates size 300x300x4 mm (having square hole size as 18 x 18 mm in centre) & fitted with cast iron cross head and steel bow dia 12 mm conforming to pattern-1 of BS:16/1974

2.0 CLIMATIC CONDITIONS:

| | | |
|-------|---|-------------------|
| i) | Maximum ambient Air Temperature (deg.C) | 50 |
| ii) | Minimum ambient Air Temperature (deg.C) | (-) 2.5 |
| iii) | Average daily Ambient Air Temperature (deg.C) | 32.2 |
| iv) | Maximum relative humidity (%) | 100 |
| v) | Minimum relative humidity (%) | 50 |
| vi) | Average rainfall per annum (mm) | 150-1000 |
| vii) | Number of rainy days per Annum | 70 |
| viii) | Altitude above mean sea level (meters) | 100-1000 |
| ix) | Isoceraunic level (Days/Annum) | 25(thunder Storm) |
| x) | Maximum wind pressure (Kg/sq.m.) | 195 |
| xi) | Seismic level (Horizontal Acceleration) | 0.08 g |

3.0 PRINCIPAL PARAMETERS:

The hot-dip galvanized steel stay sets and anchor plates shall strictly conform to BS:16/1974 with latest amendments thereof as per pattern-1 in all respect, except herein otherwise stated. The ratchet nut and the cross head bow shall be having three (3) cuts in place of six (6). The dimensions of the cross head portion of the bow of each type of stay set shall be as per the drawing enclosed at Appendix-A (i) & (ii). Tolerances in dimensions shall be governed by the values appearing at Schedule of GTP.

The stay sets shall have galvanizing as per BS: 729 /1961 part-I with latest amendments thereof and shall be galvanized by hot dip galvanization process.

4.0 GENERAL TECHNICAL REQUIREMENTS:

- i. The rod and bow shall be free from flaws and other defects, shall be of good finish and the cross head shall not fail, draw and deformed when the assembly is tested to fracture as their full section by tensile strength. The ratchet nuts and ratchet face of each cross head shall be well formed, so that any nut and any cross head of the appropriate size shall provide good ratchet action. The treads of stay sets shall be cut after Galvanising and shall be lubricated with good quality of mobile oil to prevent rusting.
- ii. The rods and bow shall be of steel suitable to give strength as per table of tensile strength as at 5.2(a) below:
- iii. The cross head may be made of forged mild steel/ hot rolled steel. The ratchet nuts shall be of steel or malleable cast iron.

- iv. The side of each bow shall be well riveted into the cross head (sound / strong iron casting) & shall not draw when the complete assembly is tested to fracture by tensile stress.
- v. In case of galvanized steel stay sets & anchor plates, all the ferrous metal parts shall be smoothly & continuously hot dip galvanised with zinc, the nuts shall have neat fit so that they can be turned easily through out the length of the threads on the bolts & nuts shall be capable of developing the full strength of the bolts. The Galvanising shall satisfactorily withstand the test specified BSS : 729/1961 Part-I with latest amendments.
- vi. The parts of stay sets of the same type shall be strictly interchangeable.
- vii. The steel anchor plates shall be clearly cut off and punched and shall be free from cracks after punching.
- viii. The rods, bows and plates shall strictly conform to table 3 and 6 of BS:16/1974 (stay rods No.13 M & 15 M & anchor plates No.23 M1 & 45 M1) in respect of dimensions etc. and figure 4 & 5 (Pattern-I) in respect of shape etc. The dimensions of the cross head portion of the bow shall be as per the drawing enclosed at Appendix-A of this section.

5.0 TEST:

5.1 TEST BEFORE DISPATCH:

The G.S. Stay Sets and accessories shall be subjected at manufacturer's works before dispatch to the following test(s) as per BS/IS.

A) ROUTINE TEST ON EACH UNIT AS PER RELEVANT STANDARD:

The dimension of the stay rods, bows and plates shall strictly conform to table 3 and 6 of BS-16/1974 (Stay rods No.13 M & 15 M and anchor plates No.23 M-1 & 45 M-1) in respect of dimensions etc., and fig. No.4 & 5 (Pattern-1) in respect of shape etc. the dimensions of cross head portion of the bow shall be as per drawing enclosed at Appendix-A (i) & (ii).

5.2 ROUTINE / ACCEPTANCE TEST:

The following tests shall be got conducted in presence of Purchaser's representative.

a) TENSILE TEST:

The finished stay sets when subject to tensile test shall comply with the requirement of the tensile strength as per the table given below:

| S.No. | Diameter of rods | Breaking load |
|-----------------------|------------------|---------------|
| 1. | 16 mm | 62 KN |
| (1 KN = 101.972 Kgf) | | |

b) HOT DIP GALVANISED TEST:

The finished stay sets when subject to dip test in standard copper sulphate solution for the testing of galvanization quality should be able to witness four dips of one minute each as per BS:729/1961 Pt-I with out any copper deposits on the surface.

The weight of zinc coating should not be less than 610 grams per Sq. m for rods and 460 grams per Sq. m for plates as per BS:729/1961 Pt-I.

5.3 SAMPLING PLAN FOR INSPECTION:

Since the sampling procedure/ plan has not been mentioned in the BS:16/1974, the following sampling plan shall be applicable for inspection testing/ checking of the stay sets.

(i) FOR TENSILE STRENGTH TEST: 1 out of 1000 Nos.**CRITERIA FOR CONFORMITY :**

If one or more sample(s) fail, twice the number of samples originally tested shall be selected and shall be subjected to the test. If there is no failure among these samples, the lot or the sub lot shall be considered to have satisfied the requirement of this test. If one more sample(s) of the second sample fails, the lot or sub lot represented by the corresponding samples shall be considered not to have passed the test.

(ii) FOR PHYSICAL DIMENSIONAL CHECKING AND GALVANISATION TEST:

The sampling plan will be as under:

The lot offered for inspection, be divided in sub lot not exceeding 5000 Nos. sets for each sub lot. Acceptance or otherwise of sub lot shall be determined on the basis of performance of the samples selected from it as per details mentioned as under :

| Size of sub-lot | Sample size | Sample size for re-inspection | Permissible Failure | |
|-----------------|-------------|-------------------------------|----------------------|--|
| | | | From 1st sample size | From total samples including re-inspection |
| | | | n1 | n2 |
| Upto 1000 | 2 | 4 | 0 | 1 |
| 1000 to 2000 | 4 | 8 | 0 | 1 |
| 2001 to 3000 | 6 | 12 | 1 | 2 |
| 3001 to 5000 | 10 | 20 | 1 | 3 |

5.4 CRITERIA FOR CONFORMITY

Sub lot shall be considered as conforming to the requirement of the acceptance test if the Nos. of failure found in first samples selected as per Col. No.2 of above table, are upto the No. mentioned in Col.4. If the No of failure is more than or equal to the sample mentioned in Col. 5 lot shall be considered as not conforming to the requirement of acceptance and shall be rejected. If the No. of failure is between c1 and c2, a second sample of n2 stay sets shall be selected and subjected to acceptance test. If the number of failure in the two samples sizes (n1+n2) combined is less than c2, the lot shall be considered as conforming to the requirement of acceptance tests otherwise it shall be considered to have failed.

5.5 TOLERANCE ON TEST RESULTS:

As per BS: 16/1974 and GTP of specification.

5.5.1 The purchaser reserve the right to conduct all test(s) on stay sets after arrival at site and the contractor shall guarantee tests certificate under actual service condition(s).

6.0 INSPECTION

6.1 All the tests (as mentioned at Clause 5.1 and 5.2) and Inspection shall be made at the place of manufacturer unless otherwise especially agreed upon by the bidder and purchaser at the time of purchase. The bidder shall afford the inspection officer(s) representing the purchaser all reasonable facilities without charges, to satisfy him that the material is being furnished in accordance with this specification. The purchaser has the right to have the tests carried out at his own cost by an independent agency whenever there is a dispute regarding the quality of supply.

6.2 The Inspection may be carried out by the purchaser at any stage of manufacture/ before despatch as per relevant standard.

6.3 Inspection and acceptance of any material under the specification by the purchaser, shall not relieve the bidder of his obligation of furnishing material in accordance with the specification and shall not prevent subsequent rejection if the material is found to be defective. The Bidder shall keep the purchaser informed in advance, about manufacturing programme so that arrangements can be made for inspection.

6.4 The purchaser reserves the right to insist for witnessing the acceptance/ routine testing of the bought out items.

6.5 The Bidder shall give 15 days advance intimation to enable the purchaser to depute his representative for witnessing the acceptance and routine tests. The inspection charges would be to the purchaser's account.

7.0 DOCUMENTATION:

7.1 All drawing(s) shall conform to International Standard Organization (ISO) 'A' series of drawing sheet / Indian Standards Specification IS:656. All drawing(s) shall be in ink and suitable for microfilming. All dimension(s) shall be in SI Units.

7.2 List of drawing(s) and documents:

The bidder shall submit four sets of drawings, complete with fully dimensioned elevation, cross sectional and longitudinal section drawings of each type of material and its assemblies. All drawings shall be to scale with full details.

All important dimensions being given therein and the material of which each part is made of shall be clearly indicated. The drawing of cross head portion and bow and tolerance in the dimensions as per this specification shall be forming a part of contract.

7.3 The manufacturing of the equipment shall strictly be in accordance with the approved drawings and no deviation shall be permitted without the written approval of the purchaser. All manufacturing and fabrication work in connection with the equipment prior to the approval of the drawing shall be at the supplier's risk.

7.4 The equipment shall conform to high standard of engineering, design workmanship and latest revisions of relevant standards at the time of ordering and purchaser shall have the power to reject any work or materials which in his judgment, is not in full accordance herewith.

8.00 MARKING, PACKING & FORWARDING:

8.1 MARKING:

Each bow of stay sets shall be provided with the following marking:

- a) Name of Manufacturer or Trade Mark.
- b) Month & year of manufacturing.

The marking on bow should be embossed during the course of casting.

8.2 PACKING & FORWARDING:

8.2.1 The stay sets shall be supplied in bundles securely tied and compactly fastened. The bundles of rods shall be tied by wire. The anchor plates shall be tied by wire or bolts and plates & bow shall be supplied in gunny bags.

8.2.2 Each consignment shall be accompanied by a detailed packing list containing the following information:

- a) Name of the consignee
- b) Details of consignment

- c) Destination
- d) Total weight of the consignment
- e) Handling and unpacking instructions
- f) Bill of material indicating contents of each package.

8.2.3 The offers, from manufacturers of G. S. Stay sets shall be preferred. The bidders must, therefore, supply the information along with the bid regarding date of starting the manufacturing of the material under reference, manufacturing capacity, details of machinery installed etc. in the schedule -IX appended with the specification.

9. PRICES & PRICE VARIATION:

a) The prices quoted shall be variable as per price variation formula given in the specification (**Schedule-II**). The IEEMA formula allowing price variation for transmission line accessories & H/W containing all steel as under, shall hold good for stay sets with **base date 01.01.2019**.

$$P = \frac{Po}{100} \left(20 + 58 \frac{SBIR}{SBIRo} + 7 \frac{Zn}{Zno} + 15 \frac{W}{Wo} \right)$$

The details of this PV clause are available at (Schedule-II).

- b) If the price variation formula is changed, the same shall be applicable for the price variation. During the transit period when both old and new indices are being circulated, then the admissible price variation shall be applicable, which is advantageous to NIGAM, and the period from which old indices are discontinued then the PV shall be admissible with the new indices.
- c) The date of delivery (i.e. date of readiness of material) is to be considered as per clause No. 1.10 of Section-I(Instructions to bidder).

10.0 DELIVERY SCHEDULE

The bidder is required to quote delivery schedule as detailed hereunder:-

| S. N. | Particular of Material | Commencement Period | Rate Of Supply per Month | Period for Completion of delivery of Entire material |
|-------|------------------------------------|---|-----------------------------|--|
| 1 | G. S. Stay Sets of Size 16x1800 mm | 30 Days from the date of receipt of PO. | Equal Monthly Installments. | Eight Months after commencement period. |

In case ordered quantity is different than quoted quantity, monthly delivery shall be adjusted proportionately. Bids in which equal monthly delivery schedule is not indicated shall be ignored. The bidders are required to indicate the delivery schedule in the schedule attached with the Specification.

11.0 TEST CHECKING OF MATERIAL AT STORES

The material received in the stores of the NIGAM shall be subjected to the test checking at stores before final acceptance of the material, the procedure for the same shall be as under:

11.1 SAMPLING

One sample out of each sub-lot / lot consisting of following quantities or part thereof in case of each type of G.S. Stay Set from each inspected lot received in stores shall be selected for test checking of material and shall be got tested.

I. G.S Stay Set of size 16x1800 mm– 1000 sets.

The selection of sample from the material received at stores shall be done as soon as material is received in stores without the presence of the representative of the supplier. However, testing of sample(s) at CTL shall be carried out in the presence of representative of the supplier after identification / confirmation by him that sample so selected belongs to them. In case the supplier disputes that the selected sample does not pertain to them, then fresh sample shall be selected in the presence of the representative of the supplier and test(s) be carried out.

11.2 TESTS:

The following tests shall be carried out on the above items:

- a) Visual Examination, Verification of Dimension(s), weight and marking Test
- b) Tensile strength test.
- c) Galvanisation (Uniformity) Test.

11.2.1 Only those tests shall be conducted at CTL for which facility with CTL is available.

11.2.2 Test of the material shall be got done at the test laboratory of the NIGAM i.e CTL, Ajmer in the presence of representative of supplier. For witnessing of the testing, clear 7 (seven) days notice shall be given to the supplier by fax/ speed post stating date, time & place where the test is to be conducted. In case the supplier do not attend for witnessing the testing, the testing shall be proceeded and completed and action be taken as per the contract.

11.2.3 The witnessing officers of the NIGAM or as designated by the purchaser shall send copies of test reports to the purchaser, consignees and the supplier.

11.3 CRITERIA FOR ACCEPTANCE

a) Visual Examination, Verification of Dimension(s), weight and marking.

As per specification/ ISS/ BIS

b) Tensile strength test.

In case of failure of sample in tensile strength test the material contained in the lot / sub-lot to which the sample belongs, shall be rejected. The rejected material shall have to be replaced by the supplier free of cost.

b) Galvanisation (Uniformity) Test.

i) The sample(s) shall be first tested for (n-2) number of dips where (n) is specified number of dips in the contract. If the sample(s) does not pass the uniformity of Galvanisation Test for (n-2) dips, the material shall be rejected and the material relating to relevant lot / sub-lot to which sample(s) pertains shall have to be replaced by the supplier free of cost.

ii) If the sample has passed the uniformity of Galvanisation Test for (n-2) dips, then it shall be tested for (n-1) dips. If the sample has not passed the uniformity of Galvanisation Test with (n-1) dips, then material pertaining to relevant lot / sub-lot shall be accepted with a deduction @ 10% of cost of material.

iii) If the sample has passed the uniformity of Galvanisation Test with (n-1) dips, then sample shall be tested for last one dip of one minute to complete the test for `n' dips. If the sample does not pass the uniformity of Galvanisation Test with `n' dips, then the material pertaining to relevant lot/ sub-lot shall be accepted with a deduction @ 5% of cost of material.

iv) If the sample(s) have passed the Test with number of dips as specified in the contract (n), then material pertaining to relevant lot / sub-lot shall be accepted.

11.4. TEST CHARGES:

All test charges incurred towards test checking of the material received in our stores shall be borne by the NIGAM.

11.5 PAYMENT:

Payment shall be made only after receipt of successful test report from the CTL on the samples selected from the material received at the stores. However, the due dates for payment shall be considered from the date of submission of the bills along with receipted challans to Sr. Accounts Officer (CPC), AVVNL, Ajmer.

12.0. TYPE TEST REPORTS:

12.01 The bidder shall furnish valid and authenticated type test certificates from a Govt. approved/ Govt. recognized/ NABL Accredited laboratory/ ILAC i.e. International Laboratory Accredited Laboratory (in case of foreign laboratory) of similar rating and design of tendered material/ equipment. Such type test certificates should not be older than **5 years** as on the date of bid opening. For this purpose date of conducting type test will be considered.

The type test certificate by in house laboratory of tendering firm even if it is a Govt. approved / Govt. recognized / NABL accredited / ILAC accredited, shall not be accepted, in case of their own tender. This will not apply if tendering firm is Govt. Company / public Sector undertaking.

12.02 The bidder should furnish documentary evidence in support of the laboratory whose type test have been furnished, that the said laboratory is a Govt. / a Govt. approved / a Govt. recognized / NABL accredited laboratory / ILAC accredited (in case of foreign laboratory).

12.03 The type test certificates shall be furnished either in original or copy duly attested by notary.

12.04 The bids of only those bidders shall be considered to be meeting the type test criteria who furnishes complete type test certificate with the bid as per above provision.

However, in the following cases the bid of the bidder may be considered meeting the type test criteria if the bidder furnishes an undertaking stating that valid type test certificate from a Govt. / Govt. approved / Govt. recognized / NABL accredited / ILAC accredited laboratory shall be furnished from first lot (without asking any delivery extension) along with bank guarantee with the technical bid from a Nationalized / Scheduled Bank in prescribed Performa at Schedule-III C or DD/ Pay Order amounting to **Rs.5 Lac**. The initial validity of Bank Guarantee shall be nine months with claim period of three months in addition.

i) Where a new Rajasthan based firm is participating & is technically competent.

- ii) Where one or more type test(s) is/ are older than 5 years.
- iii) Where Rajasthan/outside Rajasthan firm furnishes requisite type test reports of higher rating material.

13.0 Quantity tolerance:

Quantity tolerance of $\pm 2\%$ of ordered quantity shall be allowed for completion of supply.

14. ADDITIONAL ORDER:

Repeat orders for additional quantities, up to 50% of original ordered quantities, may be placed by the Nigam, on the same rates, terms and conditions given in the contract, if required by the Nigam.

(A.K. Gupta)
Superintending Engineer (MM)
AVVNL, Ajmer.

SCHEDULE-I**SCHEDULE OF REQUIREMENT**

| S.No. | Particulars | Qty in Sets |
|-------|-------------------------------|-------------|
| 1 | G.S.STAY SETS SIZE 16x1800 mm | 2,50,000 |

The requirement of GS stay sets as indicated above is tentative and can be increased or decreased at the time of placing of the order.

SCHEDULE-II**IEEMA/PVC/TL-A&H/2001(R-3)****Effective from 1st April 2014****PRICE VARIATION CLAUSE FOR TRANSMISSION LINE ACCESSORIES AND HARDWARES UNDER TN-1282.**

CONTAINING:(A) BOTH ALUMINIUM & STEEL (B) ONLY ALUMINIUM (C) ONLY STEEL

The price quoted/confirmed is based on the input cost of raw materials/components and labour cost as on the date of quotation and the same is deemed to be related to the prices of raw materials and all India average Consumer Price Index Number for Industrial Workers as specified in the price variation clause given below. In case of any variation in these prices and index numbers, the prices payable shall be subject to adjustment, up or down in accordance with the following formula:

(A) Transmission line accessories & hardware containing both **aluminium & steel**

$$P = \frac{Po}{100} (20+40 \frac{Al}{Alo} + 5 \frac{Zn}{Zno} + 20 \frac{SBIR}{SBIRo} + 15 \frac{W}{Wo})$$

(B) Transmission line accessories and hardware containing only **aluminium** :

$$P = \frac{Po}{100} (20+65 \frac{Al}{Alo} + 15 \frac{W}{Wo})$$

(C) Transmission line accessories and hardware containing only **steel**:

$$P = \frac{Po}{100} (20+58 \frac{SBIR}{SBIRo} + 7 \frac{Zn}{Zno} + 15 \frac{W}{Wo})$$

Wherein :

P = Price payable as adjusted in accordance with the above formula.

Po = Price quoted/confirmed.

Alo = Price of EC grade aluminium ingots (refer notes).
This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

Zno = Price of electrolytic high grade zinc (refer notes).
This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

SBIRo = Price of Steel Billets-Retail (refer notes).
This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

Wo = All India Average Consumer Price Index number for Industrial Workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India. (Base 2001=100)

This index number is as applicable on the 1st working day of the month, **four** month prior to the date of delivery.

For example, if the date of delivery falls in October ,2014, the applicable price of Aluminum (ALo) ,Zinc (Zno) and Steel Billets –Retail (SBIRo) should be for the month August, 2014 and all India average consumer price index number (Wo) should be for the month of June, 2014.

The date of delivery (i.e. readiness of material) is to be considered as per clause No. 1.10 of Section-I (Instruction to bidders).

The above prices and indices are as published by IEEMA vide Circular reference NO. IEEMA (PVC)/ TLA&H (R-3) / _ / _ prevailing as on first working day of the Month April' 18 i.e., one month prior to the date of tendering.

- Al = Price of EC grade Aluminium ingots. (refer notes).
This price is as applicable on the 1st working day of the month , **two** month prior to the date of delivery.
- Zn = Price of electrolytic high grade zinc. (refer notes).
This price is as applicable on the 1st working day of the month, **two** month prior to the date of delivery.
- SBIR = Price of Steel Billets-Retail. (refer notes).
This price is as applicable on the 1st working day of the month, **two** month prior to the date of delivery
- W = All India Average Consumer Price Index number for Industrial Workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India. (Base 2001=100).
This index number is as applicable on the first working day of the month, **four** months prior to the date of delivery.

Note :- As per circular of IEEMA 114/DIV/TRF_TLA & H/05 Dt. 07.12.2017, the prices of Aluminum for transmission accessories shall be replaced by LME Average Settlement aluminum ingots w.e.f. 01.01.2018.

Schedule – III

**AMER VIDYUT VITRAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking**

Prescribed technical specification for supply of

(Name of Material/Equipment/Machinery/T&P etc.)

GALVANISED STEEL STAY SETS OF SIZE 16x1800 mm

| S.No. | Technical specification to which material/equipment/Machinery/T&P shall conform | Name of IS/other standard specification to which material should conform | Other particulars if any. |
|-------|---|--|---------------------------|
|-------|---|--|---------------------------|

- | | | | |
|----|----------------|---|--|
| 1. | G.S. Stay Sets | BS:16/1974 | |
| 2. | Galvanization | BS:729/1961 part-I with latest amendments | |

Certified that we agree to all the aforesaid technical specification except at S.No..... for which our technical specification shall be as under:-

| S.No. | Technical specification to which material/equipment/Machinery/T&P shall conform | Name of IS/other standard specification to which material should conform | Other particulars if any. |
|-------|---|--|---------------------------|
|-------|---|--|---------------------------|

(Signature)
Name & Designation
with seal of the bidder.

SCHEDULE-III-A**QUALIFICATION REQUIREMENT**

The bidder should fulfill following qualifying requirements for successful participation in the tender along with relevant documentary evidence supporting each qualifying requirement without which the offer shall be considered non-responsive & rejected.

1.0 STATUS OF BIDDER:-

- a) The bidder should be a Manufacturer of offered items. The offers from sole selling agent/ authorized dealers shall not be entertained.
- b) Old/ New suppliers:- Any bidder located within or outside the state of Rajasthan has participated for the first time in a particular Discom & meeting minimum qualification requirement and has supplied the tendered material/or of higher rating in other licensed power utility shall be treated as an old supplier. Rajasthan's firms although supplied in past but not meeting minimum quantity supplied criterion including altogether new units which have not supplied any quantity but having adequate & required manufacturing and testing facility and technical know-how of the tendered material shall be considered as new firms and would be eligible for trial order only. In case of supply made to the licensed power utility outside India, the C.A. certificate furnished by firm shall be considered.

2.0 PAST SUPPLY & PERFORMANCE CRITERIA:-

The bidder shall meet both past supply and performance criteria as detailed below for opening of tenders:-

2.01 PAST SUPPLY:-

- 2.01.1 The bidder is required to quote for minimum **10%** of tendered quantity failing which their offer may be considered Non-Responsive.
- 2.01.2 The bidder should have designed, manufactured / fabricated, tested and supplied to licensed power utility / Discoms / Govt. Departments at least 2 x QQ (QQ being the quoted quantity) of similar item / higher rating of tendered material / equipment in last 3 financial years from the date of opening of technical-commercial bid.

Note: Requirement of quantity manufactured, minimum quantity to be offered and amount of Bank Guarantee to be furnished in absence of test certificate shall be reduced to 25% for Rajasthan based units.

- 2.01.3 In support of fulfillment of the past supply criteria, the bidder shall furnish documentary evidence in the form of certificate from Chartered Accountant in the enclosed prescribed Performa only. This prescribed Performa should be furnished either in original or copy duly attested by Notary. The bidder shall also sign and affix seal on the C.A. Certificate. The certificate should have membership number with the name & address of the chartered accountant. Certificate should clearly indicate the quantity supplied, period of supply, voltage Class, Rating of the Transformer etc. in the format prescribed, any deviation to format or information diverted format, will not be considered and rejected.

Note:-The material supplied and accepted for same/higher rating for Turnkey projects to a licensed power utility/Govt. shall be considered for

the purpose of evaluating criteria. The certificate given by C.A. shall indicate above quantity separately.

2.02 PERFORMANCE CRITERIA:-

2.02.1 i) If a bidder has supplied up to 50% of ordered quantity in previous tender up to date of opening of subsequent tender and scheduled delivery period expired, the bid of such bidder will not be opened in the Discom for that item.

ii) However, if the supplies have been completed for a quantity more than 50% but not completed up to date of opening of subsequent tender and scheduled delivery period expired, the quantity equal to the quantity pending in previous tender for that item shall be reduced from the subsequent tender quantity to be allocated to the bidder.

3.0 TYPE TEST CRITERIA:-

3.01 The bidder shall furnish valid and authenticated type test certificates from a Govt. approved / Govt. recognized / NABL Accredited laboratory / ILAC i.e. International Laboratory Accredited Laboratory (in case of foreign laboratory) of similar rating and design of tendered material/ equipment. Such type test certificates should not be older than **5 years** as on the date of bid opening. For this purpose date of conducting type test will be considered.

The type test certificate by in house laboratory of tendering firm even if it is a Govt. approved / Govt. recognized / NABL accredited / ILAC accredited, shall not be accepted, in case of their own tender. This will not apply if tendering firm is Govt. company / public Sector undertaking.

3.02 The bidder should furnish documentary evidence in support of the laboratory whose type test have been furnished, that the said laboratory is a Govt. / a Govt. approved / a Govt. recognized / NABL accredited laboratory / ILAC accredited (in case of foreign laboratory).

3.03 The type test certificates shall be furnished either in original or copy duly attested by notary.

3.04 The bids of only those bidders shall be considered to be meeting the type test criteria who furnishes complete type test certificate with the bid as per above provision.

However, in the following cases the bid of the bidder may be considered meeting the type test criteria if the bidder furnishes an undertaking stating that valid type test certificate from a Govt. / Govt. approved / Govt. recognized / NABL accredited / ILAC accredited laboratory shall be furnished from first lot (without asking any delivery extension) along with bank guarantee with the technical bid from a Nationalized / Scheduled Bank in prescribed Performa at Schedule-III C or DD/ Pay Order amounting to **Rs.5 Lac**. The initial validity of Bank Guarantee shall be nine months with claim period of three months in addition.

i) Where a new Rajasthan based firm is participating & is technically competent.

ii) Where one or more type test(s) is/ are older than 5 years.

iii) Where Rajasthan/outside Rajasthan firm furnishes requisite type test reports of higher rating material.

4.0 POOR RECORD OF PERFORMANCE AND DELIVERY :

The bidder who have been black listed in any of the state Discom or with whom business relations have been severed in Ajmer Discom shall not be considered. Severment of business relations will be done in case of following circumstances for the period and with the recovery mentioned against each:

| | |
|--|---|
| i) When vendor does not accept order awarded on its accepted price and terms and conditions or does not comply with contractual formalities. | Forfeiture of EMD/cancellation of vendor registration to recover amount of EMD along with severment of business relations for three years from the date of issue of order. |
| ii) When vendor complies with contractual formalities but does not commence supplies. | Levy of maximum recovery on account of delay in delivery along with severment of relations for a period of 2 years from the date of issue of order or in next two bids whichever is later along with forfeiture of EMD / cancellation of vendor registration. |

5.0 (A) Black listing of a firm:

After having given Show Cause Notice of 30 days, and having established & cogent reasons for blacklisting of the firm as given below, the firm should immediately be blacklisted for a period of 5 years indicating reasons of doing so, in the letter itself, and a copy of such blacklisting should be given to the firm, with the approval of CLPC:-

(i) There are sufficient and strong reasons to believe that the supplier or his employee has been guilty of malpractices such as manhandling/misbehavior with Government official by supplier or his partner/employee, bribery, corruption or abatement of such a offence in a position where he could corrupt Nigam's official, fraud, vitiating fair tender process including substitution of or interpolation in tender, mis-representation, pilfer-aging or unauthorized use or disposal of Nigam's material issued for specific work etc.

(ii) Where a supplier or his partner or his representative has been convicted by a court of Law for offences involving moral turpitude in relation to the business dealing or where security considerations including suspected disloyalty to the Nigam/state so warrant the blacklisting.

(iii) If the State Bureau of Investigation or any other authorized investigating agency recommends for blacklisting after completing the investigation.

Note: - 1 If a supplier after having tendered for a supply or after negotiations gives application voluntarily vitiating the fair tendering process, it shall also tantamount to malpractice.

Note:- 2 A register containing the reasons for blacklisting the supplier as also the names of all the partner of the suppliers and the allied concerns coming within the effective influence of the blacklisted supplier will be maintained.

Note: - 3 A register of black listed supplier will be maintained which will not only include suppliers enlisted with the Enlisting Authority but also black listed suppliers in Nigam.

Note :-4 A Black listed supplier (i) shall not be entitled for registration in any of the Discom (ii) shall not be awarded any supply order in future in any Discom during the notified period.(iii) his registration if any shall stand cancelled immediately and

his registration security /EMD/S.D. shall stand forfeited. (iv) In case of blacklisting of the firm by any one of Discom for the cogent prescribed reason(s) as stipulated above, the same shall be applicable to all the three Discoms and as a consequence of blacklisting, all the pending orders to that firm, will be cancelled in all three (3) Discoms with immediate effect. However in respect of completed/executed contract G.P. obligations as well as other liabilities shall be fulfilled by the supplier.

(B) Severment of Business relation:

(a) After having given Show Cause Notice of 30 days, and having established & cogent reasons for Severment of business relation as given below, the firm should immediately be severed the business relations for a period of 2 to 3 years indicating reasons of doing so, in the letter itself, and a copy of such severment should be given to the firm, with the approval of CLPC:-

(i) The supplier continuously refuses to pay Nigam dues without showing adequate reasons and where the purchasing authority is satisfied that no reasonable dispute attracting reference to Settlement Committee or Court of Law exists for the supplier's action of non-supply.

(ii) When vendor does not accept LOI/detailed purchase order awarded on its accepted prices and terms & conditions or does not comply with the contractual formalities.

(iii) When vendor/supplier who otherwise completed contractual formalities but does not commence supplies on the date of opening of technical bid of the fresh tender/completion of schedule delivery period whichever is later.

Note-1-In case supplier does not deposit outstanding dues towards Nigam, even after completion of severment period, the period of severment will continue.

2. Severment done purely/ mainly on account of non-deposition of dues against the supplier/vendor/contractor could be lifted by CLPC, if the dues are deposited prior to the expiry of such severment period.

3. Severment done by one Discom for non-supply of material and /or corresponding non-recovery of dues will not be effective in other Discoms except in respect of common purchase cases of three Discoms.

4. On severment of business, the EMD/SD/vendor registration security will be forfeited.

5. The orders in execution satisfactorily will not be cancelled other than the order on which severment have been done.

(C) DEBARMENT

Reasons on which Debarment can be made:-

(i) The competent authority may debar the supplier on account of his performance or other disabilities, if it is no longer considered fit to remain under vendor registration as per his obligation under vendor registration.

(ii) If at any subsequent stage of inspection of firms after award of contract, it is found that firm does not have sufficient tech. staff or required/necessary technical equipments, the purchasing authority can debar the firm for one year or next tenders

whichever is later. The debarment will be lifted only on re-inspection of firm's works; the defects noticed earlier are fully rectified to the satisfaction of Nigam.

(iii) When contract agreement executed and supplies commenced but could supply only up to 50% of ordered quantity and scheduled delivery period expired, then the firm can be debarred for one year or next tender whichever is later in that Discom only for that particular item/rating/ capacity/size etc.

(iv) The suppliers who have been awarded contract for supply of material is not adhering to the periodic delivery schedule, the contract awarding authority reserve the right to terminate the contract and may debar the firm in participating in tender for a period of 2 to 3 years.

Note:-1. On debarment, the EMD/ SD/Vendor Registration security shall be forfeited.

Note:-. 2. If the firm is debarred in one Discom for any reasons then the same should not be applicable in other Discom subject to exception that in case of common Discoms purchases such debarment of a firm would be applicable to all three Discoms for that particular item and rating/capacity/size etc.

6.0 APPEALS AND APPLICATIONS:-

Appeal against the order of blacklisting, severment and debarment can be filed before BOD within a period of 3 months from the date of intimation. The letter of appeal will be addressed to the order placing authority. Who will process the case for placing the matter in B.O.D. with in a period 60 days. The BOD may reduce or waive the penalty, if sufficient reasons/supporting documents are furnished by the supplier.

GENERAL CONDITIONS : - (ALL CONDITIONS BE DULY SIGNED & SEALED)

- I) The bidder shall clearly indicate the deviations such as 'Technical Deviation & Commercial Deviations' in the prescribed Performa only. The deviations indicated elsewhere in the bid shall not be accepted.
- II) The bidder must clearly fill up each and every particular of guaranteed technical particulars annexed with Technical Specifications otherwise he will be responsible for Technical Non-responsiveness.
- III) All documents required in the prescribed format are to be furnished along with the bid itself only except an attested copy of BIS license (wherever it is required), failing which the bid will be summarily rejected.
- IV) However, a copy of BIS License may be submitted by the bidder up to the official working hours of one working day prior to the schedule / notified date of opening of price bid.
- V) **The date of conducting type test shall be before the date of opening of Technical Bid. The date of issuing of type test Bank Guarantee in lieu of non-furnishing of Type Test reports shall be before the date of opening of technical bid & the type test BG issued on or after opening of technical bid shall not be accepted.**

Schedule-III-B**BANK GUARANTEE IN LIEU OF FURNISHING OF TYPE TEST CERTIFICATE**

(On Rajasthan Non-Judicial Stamp Paper worth Rs. 100/-)

To,

The Superintending Engineer(MM),
Ajmer Vidyut Vitran Nigam Limited,
Vidyut Bhawan, Makarwali Road,
Panchsheel Nagar, Ajmer

Dear Sir,

Whereas Ajmer Vidyut Vitran Nigam Limited, Ajmer (hereinafter called the Purchaser) has issued a bid enquiry under TN_____for procurement of _____(name of material).

Whereas M/s _____(hereinafter called the bidder) has furnished a bid for supply of _____to the Superintending Engineer(MM), Ajmer Vidyut Vitran Nigam Limited.

Whereas in accordance with the provision of the specification of the aforesaid TN_____, the bidder can deposit a bank guarantee in lieu of the requirement of furnishing the type test certificates.

Whereas M/s _____(the bidder) have requested us (Name of the Bank) to furnish the bank guarantee, in lieu of the type test certificate, for an amount equivalent to Rs. _____(in words also) only.

Under this Bank Guarantee, we (Name of the Bank) hereby undertake unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to the purchaser on his first demand without whatsoever right of objection on our part and without his first claim to the bidder, in the amount not exceeding (amount of guarantee in figures and words).

Payment pursuant to this undertaking will be demanded by the purchaser from the Bank and will be met by the Bank without question in the case in which the bidder, on receipt of the order and/or after the acceptance of this bid, makes default in furnishing the required type test certificates as to whether the occasion or ground has arisen for such demand the decision of the Superintending Engineer (MM), Ajmer Vidyut Vitran Nigam Limited, Ajmer shall be final.

The liability of the Bank shall not at any time exceed Rs. _____(Rupees _____).

The undertaking will be determined on but will not withstanding such determination, continue to be in force till the expiry of 3 months from that date.

No indulgence or grant of time by the purchaser to the bidder without the acknowledgement of the Bank will discharge the liabilities of the Bank under this guarantee.

The guarantee herein contained shall not be affected by any change in the constitution of the bidder.

All disputes arising under the said guarantee between the Bank and the bidder or between the bidder and the purchaser pertaining to the guarantee shall be subject to the jurisdiction of Courts only at Ajmer in Rajasthan.

The Bank further undertake not to revoke this guarantee during its currency except with the previous consent of the Superintending Engineer (MM), Ajmer Vidyut Vitran Nigam Limited, Ajmer.

Notwithstanding anything contained herein before, the Bank's liability under this guarantee i.e. restricted to Rs. _____ (Rupees _____) and the guarantee shall remain in force within three months from that date, the Bank shall be released and discharged from all liabilities there under. However, the validity of the bank guarantee shall be extended as and when required by the purchaser.

IN WITNESS WHEREOF THE Bank has executed these presents the day ____ month ____ and year _____.

Yours faithfully,

(Bankers)
EXECUTANT

Witnesses:

- 1.
- 2.

**Schedule-IV `A`
TN-1282**

ITEM- G. S. Stay Sets of Size 16x1800 mm

Must be filled in by the bidder and attached with Technical Bid (Part-I)

To,

The Superintending Engineer (MM),
Ajmer Vidyut Vitran Nigam Limited,
Ajmer.

Dear Sir,

With reference to your invitation to bid against specification No.AVVNI/SE/MM/TN-1282 we agree to supply the following quantity :

| S. No. | Particulars of Items | Bid Quantity (Sets) | Qty. Offered | Justification of quantity offered as per Qualifying Requirement | Status of Type Test Certificates. |
|--------|---|---------------------|--------------|---|-----------------------------------|
| 1. | 2. | 3. | 4. | 5. | 6. |
| 1 | G. S. Stay Sets of Size 16x1800 mm | 2,50,000 | | | |

- The offer is valid for a period minimum of 120 days from the next date of opening of this bid.
- The prices are variable as per P.V. Formula given at Schedule-II with **base date 01.01.2019**.
- It is noted that the quantity as mentioned in the specification are approximate and we agree to supply any quantity as per your requirement.
- The delivery shall strictly be in accordance with our delivery schedule as given in Schedule-VIII of this specification. In case we fail to deliver the materials as indicated in the clause No.1.23 of GCC (Section-II), we are liable to pay recovery for delay in delivery as per clause No.1.24 of this Schedule-II of this specification.
The material shall conform to your specification No. AVVNL/SE/MM/ TN-1282 and as per relevant ISS in all respect.
- We conform that we agree to all the terms & conditions as well as the technical stipulation of your specification No. AVVNL/SE/MM /TN-1282 and there are no deviations other than as specified in the Schedule-VI (A & B).

Yours faithfully,

**Signature of bidder with stamp
Dated.**

Schedule – V**AJMER VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking**

Statement of guaranteed technical particulars and other performance data for supply of (Name of material) against specification no.....

| S.No. | Particulars of technical & other performance data guaranteed. |
|-------|---|
|-------|---|

Certified that we agree to all the aforesaid technical particulars and other performance data except following :-

| S.No. | Particulars of technical & other Performance data | Reasons for deviations/departure. |
|-------|---|-----------------------------------|
|-------|---|-----------------------------------|

(Signature)

Name & Designation
with seal of the bidder.

SCHEDULE-V-A**GUARANTEED TECHNICAL AND OTHER PARTICULARS OF HOT DIP GALVANISED STEEL STAY SETS OF SIZE 16 X 1800 MM WITH ANCHOR PLATES AGAINST TN-1282.**

| S. No. | Description. | Hot dip galvanized steel stay sets of size 16x1800 mm with anchor plates (in mm) |
|--------|--|--|
| 1. | Maker's name and address. | |
| 2. | Place where the material shall be offered for inspection (work's address) | |
| 3. | Standard specification to which the material confirms | BSS:16/1974, BSS:729/1961(Pt.I) with latest amendments |
| 4. i) | Diameter of stay rods | 16 mm |
| ii) | Permissible tolerance on diameter | (+/-) 0.5 mm |
| 5. | Length of stay rod. | 1800 mm (With permissible tolerance of (+/-) 0.5%). |
| 6. | Length of threaded portion of stay rods. | 300 mm (With permissible tolerance of (+/-) 2.5%). |
| 7. i) | Diameter of bow. | 12 mm |
| ii) | Permissible tolerance on diameter of bow. | (+/-) 0.5 mm |
| iii) | Height of bow | 400 mm |
| iv) | Permissible tolerance on height of bow. | (+/-)2.5% |
| 8. | Size of Anchor plates. (Length x Breadth x Thickness) | 300x300x4 mm |
| | Tolerance : | |
| i) | Length & width. | (+/-) 5 mm |
| ii) | Thickness. | + 12.5 %, - 5 % |
| iii) | Hole of Anchor plate. | (+/-) 0.5 mm |
| 9. | Uniformity of zinc coatings Nos. of dips withstands in standard copper sulphate solution. | |
| i) | Stay rods. | 4 dips of one minute each. As per BSS:729/1961 Pt.I. |
| ii) | Cylindrical portion of bow | |
| iii) | Cross head. | |
| iv) | Ratchet nut. | |
| v) | Plate. | |
| 10. | Weight of zinc coatings. | 610 gm/sq.m for rods 460 gm/sq.m for plates As per BSS:729/1961 Pt.I. |
| 11. | Breaking load in KN for complete set subjected to tensile test. | 62 KN |
| 12. | Packing details. | As per packing and marking clause no.8.00 of specification. |

| S. No. | Description. | |
|--------|---|--|
| | | Hot dip galvanized steel stay sets of size 16x1800 mm with anchor plates (in mm) |
| 13. | Stay set embossing mark | As per clause no.8.1 of specification (TO BE FILLED IN BY BIDDER) |
| 14. | Tolerance on cast iron cross head. | (+/-) 2.5% |
| 15. | Tolerance on ratchet nut | As per BS:16/74 Table-3 but with 3 cuts for ratchet. |
| 16. | Tolerance on all forging portions of stay sets. | (+/-) 2.5% |
| 17. | Grade of oil to be applied on threaded portion. | Any good quality of mobile oil to prevent rusting on threaded portion. |
| 18. | Weight of complete stay set | 7.5 Kg |
| i) | | |
| ii) | Tolerance in weight | +12.5% -2% |

Signature of Bidder

Schedule – VI (A)**AJMER VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking****DEPARTURE/DEVIATION FROM TECHNICAL SPECIFICATION**

The bidder shall state under this schedule the departure from the Purchaser's specification in respect of technical is as under:-

| S.No. | Main Deviations from Technical Specification. |
|-------|---|
|-------|---|

Certified that we agree to all the technical specification of the NIT except for the deviation to the extent indicated above.

(Signature)
Name & Designation
with seal of the bidder

Schedule – VI (B)**AJMER VIDYUT VITRAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking****DEPARTURE FROM COMMERCIAL TERMS & CONDITIONS OF THE
SPECIFICATION**

The bidder shall state under this schedule the departure from the Purchaser's specification in respect of Commercial terms & conditions:-

| S.No. | Main Deviations from Specification. |
|-------|-------------------------------------|
|-------|-------------------------------------|

Certified that we agree to all the commercial terms & conditions as laid down in General Conditions of Contract to the specification except for the deviation to the extent indicated above.

(Signature)
Name & Designation
with seal of the bidder.

Schedule – VII

AJMER VIDYUT VITRAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking

LIST OF PAST SUPPLIES

The bidder shall state under this schedule whether material and equipments, similar to those offered in the bid have been previously supplied by him. A list shall be given of such orders executed by him together with information regarding the names of purchasing organizations, quantities supplied and when the supplies were effected. This list should be in form given below:-

| S.No. | Detailed particulars of items supplied | Qty | Order No. & Date | Name & details of purchasing authority | Date of Completion |
|-------|--|-----|------------------|--|--------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |

| If executed partially be mentioned | whether still to be executed order | Delivery stipulated in | Remarks to |
|------------------------------------|------------------------------------|------------------------|------------|
| 7 | 8 | 9 | 10 |

Note: Separate schedules are to be furnished by the bidder for past supply to the AJMER other State Electricity Boards and other Departments /Organisations.

(Signature)
Name & Designation
with seal of the bidder.

SCHEDULE-VII-A**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that M/s. _____ (Complete with address) have manufactured and supplied the goods/ equipments/ material during the following financial year(s) to the Electrical Utilities/ Government Departments/ Discoms/ SEBs as detailed out below:

| S.N. | Financial year in which material supplied | Detailed particulars of item(s) supplied | Name & particulars of purchasing authority | Order No. & Date against which item(s) supplied | Unit | Ordered | | Actual Supplied Up to | | Remarks |
|------|---|--|--|---|------|---------|-------------|-----------------------|-------------|---------|
| | | | | | | Qty | Value (Rs.) | Qty | Value (Rs.) | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Signature

Signature of C.A.

Name & Designation
With Seal of the BidderName:
Address

Date _____

Membership No.

Place _____

The above particulars are true and correct based on explanations, records and books of accounts produced before us. Further the above certificate issued on the request of the company.

CA Firm (_____)

SCHEDULE-VIII**AJMER VIDYUT VITRAN NIGAM LIMITED****DELIVERY SCHEDULE****TN-1282****PART - A**

The delivery Schedule of the material by the Purchaser Officer is as mentioned hereunder:-

| S.N | Particular of Material | Commencement Period | Rate of Supply per Month | Period for Completion of delivery of Entire material |
|------------|------------------------------------|---|---------------------------------|---|
| 1 | G. S. Stay Sets of Size 16x1800 mm | 30 Days from the date of receipt of PO. | Equal Monthly Installments. | Eight Months after commencement period. |

Note – In case ordered quantity is different than quoted quantity, then monthly delivery shall be adjusted proportionately. Bids in which equal monthly delivery schedule is not indicated, shall be ignored.

PART - B

In case bidder deviates from the delivery schedule mentioned by the purchaser in Part-A , then the delivery Schedule of the material by the bidder shall be indicated / mentioned as under:-

| S.N | Particular of Material | Commencement Period | Rate of Supply per Month | Period for Completion of delivery of Entire material |
|------------|-------------------------------|----------------------------|---------------------------------|---|
| | | | | |

- Note: (i) During the commencement period, the process of model assembly and submission of B.O.M. for approval shall be got completed.
(ii) During the commencement period the contractual formalities shall be got completed.

**Signature
Name & Designation
With Seal of the Bidder**

Schedule – IX**AJMER VIDYUT VITRAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking**

List of Equipments and Technical Hands Available with the Firm

(To be filled in by the bidders & enclosed with the bid)

Manufacturers and / or their authorized agents who are quoting against this bid are requested to furnish the following information along-with the bid. The Purchaser will have the discretion to ignore the bid without the under noted particulars and/or ignore the bid particulars.

1. Name and Address of Manufacturer.
2. Place where works exist.
3. Details of machinery particularly with B.H.P. of each item installed.
4. Details of staff employed in the works.
5. Date when started the manufacturing of item under reference.
6. List of items manufactured.
7. Literature and drawings of items manufactured showing their description, size, design and other important technical particulars.
8. Details of order so far, executed along with the names of organization to whom supplied.
9. Manufacturing capacity.
10. Is the workshop open for inspection by the representative of the board, if required?
11. Statement of financial resources and Banking Reference along with Balance-Sheet for previous two years.
12. Testing facilities available for the manufactured articles in the testing laboratory of works.
13. Whether the Firm is a small/medium/large scale industry.
14. Registration No. with :-
 - i. Small Scale, National/State.
 - ii. DGTD
 - iii. State Industries Department.

(Signature)

Name & Designation
with seal of the bidder.

Schedule X

| | |
|---|---|
|  | AJMER VIDYUT VITRAN NIGAM LIMITED (MATERIAL MANAGEMENT WING) Corporate Identification Number (CIN) – U40109RJ2000SGC016482 Reg. Off. Vidyut Bhawan, Panchsheel Nagar, Makadwali Road, Ajmer-305004 Phone: 0145-2644529, Fax: 0145-2644542, E-Mail: semmajm.avvnl@rajasthan.gov.in xen1mmajm.avvnl@rajasthan.gov.in aen2mmajm.avvnl@rajasthan.gov.in Website – http://energy.rajasthan.gov.in/avvnl |
| | |

Specification No. AVVNL/SE(MM)/E1A2/TN-1282**SPECIFICATION FOR SUPPLY OF HOT DIP GALVANISED STEEL STAY SETS OF SIZE 16x1800 mm UNDER TN-1282**

| | |
|--|--|
| Last Date & time for down loading of tenders | 27.02.2019 upto 01:30 PM |
| Last Date & time for submitting of tenders | 27.02.2019 upto 05:00 PM |
| Date of opening of tenders | 28.02.2019 at 3.30 PM |
| Cost of Specification | Rs. 2950.00 (Rs. Two Thousand Nine Hundred Fifty only) |
| Tender Processing fees | Rs. 1180.00 (Rs. One Thousand One hundred Eighty only) |
| Validity | 120 days from the next date of opening of Techno commercial bid. |
| Tendering Quantity | 16x1800 Mm – 2,50,000 Sets |
| Estimated Unit for Destination Price of Item | Rs. 1438 Lacs |
| BID SECURITY TO BE DEPOSITED | i) General Bidder : Rs. 28,76,000 ii) Sick Unit : Rs. 14,38,000 iii) SSI Unit of Rajasthan : Rs. 7,19,000 * |
| CONTACT PERSON (AUTHORISED BID SIGNATORY) | Superintending Engineer (MM) AVVNL, Ajmer |
| CORRESPONDENCE ADDRESS: | Makarwali Road, Panchsheel Nagar, Ajmer |
| MOBILE NO. | 9414068978 |
| TELEPHONE & FAX Nos.: | 0145-2644529 / 0145-2644542 |
| WEBSITE & E-MAIL: | 1. Web: www.avvnl.com 2. Web: http://risl.rajasthan.gov.in , Email: info.risl@rajasthan.gov.in |

Raj Comp Info Services Limited (RISL)

Address of RISL:- 1st Floor, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur (Rajasthan)

Phone: 0141- 5103902, 4031900 Fax: 0141-2228701

Web: <http://risl.rajasthan.gov.in>, Email: info.risl@rajasthan.gov.in

*** In case SSI unit of Rajasthan quotes the less than the tendered quantity, then they are required to furnish Bid Security @ 0.5% of the value of the quantity offered by them, failing which bid shall be considered non-responsive.**

Note:- The bidder, in their own interest, are requested to read very carefully Section-I (Instruction to bidders), Section-II (General Condition of Contract) & Section-III (Technical Specification) before filling the bid. The Bid documents be downloaded from AVVNL website www.avvnl.com or www.http://eproc.rajasthan.gov.in and upload the tender on website of RISL

[www.http://eproc.rajasthan.gov.in](http://eproc.rajasthan.gov.in) No hard copy of the bidding documents will be provided to the bidders through this office. In case of any discrepancy found in bidding documents downloaded from the website and appended with the bid (as a bid document) and original copy of such document available in the office of Superintending Engineer (MM), Ajmer Discom, Ajmer then the copy available with Superintending Engineer (MM), Ajmer Discom, Ajmer will be considered as final document for all purpose. The cost of Bid document as published in NIT shall be furnished along with BID Security one day prior to opening of bid and scan copy be upload on website of RISL. The document shall be downloaded/ uploaded in the manner prescribed in bid document.

Estimated unit FOR price of STEEL STAY SETS OF SIZE 16X1800MM is Rs. 575.00

-
1. The bids not accompanied with qualification requirement, technical requirement indicated in the specification and other requirement given here under will be considered as incomplete offer and sufficient grounds for offer to be passed over:
 - i) Capacity, capability and competency proofing documents.
 - a) Capacity /orders of similar and higher rating of tendered equipment booked as on date of bidding with type and rating and construction details of equipment for which order received be indicated.
 - b) Copy of purchase orders of Erstwhile RSEB /SEB`S / Electric Utilities / Govt. Departments / Discoms for similar or higher rating equipment latest executed.
 - ii) Year wise past experience for last 5 years of similar or higher rating of tendered equipment.
 - iii) The details of testing facilities available at the works and copies of latest type test certificates, carried out on similar ITEM.
 - iv) Quality assurance plan.
 - v) Complete guaranteed technical particulars, out lines and general arrangement drawings along with Bill of Material.
 2. Bids without Section-I, II, III & Schedules (I to X) shall be rejected.
 3. Bids shall be furnished in single copy.
 4. AVVNL has the right to reject any offer on the basis of track record of poor performance in execution of previous order / equipment supplied /after sales service while evaluating the Techno-Commercial bid.
 5. AVVNL reserves the right to accept minor deviations in standard terms and conditions and also in technical and constructional features as specified in the technical specification (Section-III).
 6. Deviation of any kind shall not be quoted in BOQ (Bill of quantity) , if found quoted, the same shall be ignored.
 7. The following facilities are to be provided by the supplier at his own cost to the inspecting officer of Nigam (AVVNL).
 - i) Suitable accommodation.
 - ii) Local conveyance between arrival point, place of stay, works and departure point.
 - iii) The supplier shall assist in arranging return ticket and reservation on the request of the inspecting officer for which the payment shall be made by the inspecting officer. In case of joint inspection, single or shared double room accommodation shall be provided.

(Signature)

Name & Designation
with seal of the bidder.

AMENDMENT IN ITB AND GCC

- 1) Wherever EMD and Security Bank Guarantee (SBG), are appearing in the ITB, GCC & other Bidding Documents, same is hereby replaced by BID SECURITY as under:-**

BID SECURITY

Bid security shall be 2% of the estimated value of subject matter of procurement put to bid. In case of Small Scale Industries of Rajasthan it shall be 0.5% of the quantity offered for supply and in case of sick industries, other than Small Scale Industries, whose cases are pending with Board of Industrial and Financial Reconstruction, it shall be 1% of the value of bid. Every bidder, if not exempted, participating in the procurement process shall be required to furnish the bid security as specified in the notice inviting bids.

In case of SSI unit of Rajasthan quotes the less than the tendered quantity, then they are required to furnish Bid Security @ 0.5% of the estimated value of the quantity offered on the basis of estimated unit FOR destination price mentioned in the technical specification.

In case the bidder offer any one rating or more, then he has to furnish the Bid Security @ 0.5% of the estimated value of quantity offered of that rating mentioned in technical specification.

The Bid Security amount (as applicable) to be paid by Demand Draft/Banker's Cheque in favour of Sr. AO(EA & Cash), AVVNL, Ajmer (payable at Ajmer) or Bank Guarantee, in specified format (**Appendix-A**), of a scheduled bank in favour of Superintending Engineer (MM), AVVNL, Ajmer, be deposited in the office of the Superintending Engineer (MM), AVVNL, Ajmer upto 2.00 p.m. upto one WORKING day prior to schedule date of opening of respective bid.

The Micro, Small & Medium Scale Industries of Rajasthan and sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR) shall furnish self-attested documentary evidence duly attested by Notary to claim the above. (**Appendix-B**)

- 2) Wherever Performance Bank Guarantee (PBG) and Composite Bank Guarantee (CBG) are appearing in the ITB, GCC & other Bidding Documents, same are hereby replaced by PERFORMANCE SECURITY as under:-**

PERFORMANCE SECURITY

- (i) Performance security shall be solicited from all successful bidders except the department's of the State Government and undertakings, corporations, autonomous bodies, registered societies, co-operative societies which are owned or controlled or managed by the State Government and undertakings of the Central Government. However, a performance security declaration shall be taken from them. The State Government may relax the provision of performance security in particular procurement or any class of procurement.

- (ii) The amount of performance security shall be **five percent** of the amount of supply order in case of procurement of goods and services and **ten percent** of the amount of work order in case of procurement of works. In case of Small Scale Industries of Rajasthan it shall be **one percent** of the amount of quantity ordered for supply of goods and in case of sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR), it shall be **two percent** of the amount of supply order.

Performance security from the successful bidder shall be taken or may adopt option after approval of purchaser to withheld **5%** (in case of established suppliers)/ **1%** (in case of Micro, Small & Medium scale industries of Rajasthan)/ **2%** (in case of sick industries) / **10%** (in case of other suppliers) amount in lieu of performance security from each bill on pro-rata/ proportionate basis. In case of successful bidder, the amount of bid security may be adjusted in arriving at the amount of the performance security, or refunded if the successful bidder furnishes the full amount of performance security.

3) VENDOR REGISTRATION

The **relaxation/exemption given to the registered vendors of the Nigam in respect of EMD/SBG, wherever appearing in the ITB, GCC & other Bidding documents, are hereby WITHDRAWN.**

4) The indirect taxes i.e. Excise Duty, Service Tax, VAT/CST, Entry Tax etc. mentioned in G.C.C., may now be read as G.S.T.

5) In the clause no. 1.43 of GCC, the word appearing as “30 days” be substituted with “45 days.”

APPENDIX-A**PERFORMA OF BANK GUARANTEE FOR BID SECURITY**

(Bank Guarantee in lieu of Bid security on non-judicial Stamp Paper of Rajasthan State of 0.25% of the B.G value or Rs. 25,000/- , whichever is less)

To,
The Superintending Engineer (MM),
Ajmer Vidyut Vitran Nigam Ltd., Ajmer

- _____.
1. Whereas(name of the Bidder) (hereinafter called "the Bidder") has submitted its bid dated.....(date of submission of bid) for(name of contract/ Name of the material with Bid no.)(hereinafter called " the Bid").
 2. KNOW ALL PEOPLE by these presents that WE.....(name of bank) of(name of country), having our registered office at..... (addresses of bank) (hereinafter called "the Bank"), are bound unto..... (name of Purchaser) (hereinafter called " the Purchaser") in the sum of Rs.* _____ for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank thisday of20.....
 3. THE CONDITIONS of this obligation are:
 - (i) If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder in the Bid Form; or
 - (ii) If the bidder refuses to accept the correction of error in his Bid; or
 - (iii) If the Bidder, having been notified of the acceptance of its Bid by the purchaser during the period of bid validity:
 - (a) Fails or refuses to execute the Contract Agreement within the time specified in purchase/work order, if required, or
 - (b) Fails or refuses to furnish the performance security within the time specified in purchase/work order in accordance with the GCC, or
 - (c) Fails to commence supply of goods or services or execute work as per purchase/work order within time specified.
 - (iv) If the bidder breaches any provision of the Code of Integrity specified in the RTPP Act and Chapter VI of the RTPP Rules.
 4. We undertake to pay to the purchaser up to the above amount upon receipt of its first written demand, without the purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or all of the three conditions specifying the occurred condition or conditions.
 5. The decision of the CHIEF ENGINEER (MM), AJMER VIDYUT VITRAN NIGAM LIMITED, AJMER shall be final whether breach has been committed on the right to demand the amount of guarantee from us which has accrued to the purchaser.
 6. This guarantee shall not cease or determine, if the purchaser grants time or indulgence or vary the terms of the contract with the Contractor or without our consent or knowledge.

- 7. The guarantee herein contained shall not be affected by any change in the constitution of the Contractor.
- 8. We.....further undertake not to revoke this guarantee during its currency except with the previous consent of the SUPERINTENDING ENGINEER (MM),AJMER VIDYUT VITRAN NIGAM LIMITED, AJMER.
- 9. All disputes arising under the said guarantee between the Bank and the Nigam or between the Contractor and the Nigam pertaining to the guarantee, shall be subject to the jurisdiction of Courts in AJMER, Rajasthan alone.
- 10. This guarantee will remain in force up to and including one hundred eighty (180) days after the date of the opening of bids, i.e. up to, with a further grace period of Ninety (90) days and any demand in respect thereof should reach the Bank not later than the above date.

Yours faithfully,
Bankers (EXECUTENT)
Signed by the above named Bank in presence of :-
(Signature with full Name and Address)

Witness :

- 1. _____
- 2. _____

Attested by Notary Public, First Class Magistrate or directly confirmed by the executing bank.

* The Bidder should insert the amount of the guarantee in words and figures denominated in the currency of bid.

Note1 :- In case the bid is submitted by a Joint Venture, the Bid Bank guarantee shall be in the name of Lead partner or in the name of joint venture partners submitting the Bid covering all the partners of the joint venture.

(Appendix-B)

Form B

FORMAT OF AFFIDAVIT

IS/oAged Yrs. residing at
..... Proprietor/Partner/ Director of M/s do hereby
solemnly affirm and declare that :

(a) My/Our above noted enterprise M/s has been issued acknowledgement
of Entrepreneurial Memorandum Part - II by the District Industries Center
..... The acknowledgement No. is dated
and has been issued for manufacture of following items:

| Name of Item | Production Capacity (Yearly) |
|--------------|------------------------------|
| (i) | |
| (ii) | |
| (iii) | |
| (iv) | |
| (v) | |

(b) My/Our above noted acknowledgement of Entrepreneurial Memorandum Part - II
has not been cancelled or withdrawn by the Industries Department and that the
enterprise is regularly manufacturing the above items.

(c) My/Our enterprise is having all the requisite plant and machinery and is fully
equipped to manufacture the above noted items.

Place _____

Signature of
Proprietor/ Director Authorized
Signatory
with RubberStamp and date

Appendix-C

| | |
|---|--|
|  | <p>AJMER VIDYUT VITRAN NIGAM LIMITED (MATERIAL MANAGEMENT WING) Corporate Identification Number (CIN) – U40109RJ2000SGC016482 Reg. Off. Vidyut Bhawan, Panchsheel Nagar, Makadwali Road, Ajmer-305004 Phone: 0145-2644529, Fax: 0145-2644542, E-Mail: semmajm.avvnl@rajasthan.gov.in senlmmajm.avvnl@rajasthan.gov.in aen2mmajm.avvnl@rajasthan.gov.in Website – http://energy.rajasthan.gov.in/avvnl</p> |
|---|--|

**DETAILS OF BANK FOR RTGS
FOR FURNISHING BID SECURITY/BANK GUARANTEE**

| | | |
|----|---|--|
| 1. | Account No. | 61186312571 |
| 2. | Account Holder Name | Sr. Accounts Officer (EA & Cash) |
| 3. | Bank Name & Branch | State Bank of India Collectorate Branch, Jaipur (Rajasthan) |
| 4. | IFS Code | SBIN0031026 |
| 5. | Phone No. of Sr. Accounts Officer (EA & Cash) AVVNL Ajmer | 0145-2642532 |
| 6. | Email ID of Sr. Accounts Officer (EA & Cash) AVVNL Ajmer | sraoecash313@gmail.com |
| 7. | GSTIN of Ajmer Discom | 08AACCA8562EIZP |

Appendix-I

Bidders are requested to furnish following details:

- 1. Name of Firm :**
- 2. Office Address :**
- 3. Work's Address :**
- 4. Email Address :**
- 5. Phone / Mobile No. :**
- 6. Fax No. :**
- 7. Name of Firm's representative :**
- 8. Contact No. of Firm's representative :**