

GENERAL PARTICULARS ABOUT THE TENDER IN BRIEF

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|---|---|
|  | <p align="center">AJMER VIDYUT VITRAN NIGAM LIMITED, AJMER (Material Management Wing) Vidyut Bhawan, Panchsheel Makrwali Road, Ajmer-305004 Tel. No. 0145- 2644529, Fax No.0145-2644542</p> |
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SPECIFICATION NO. AVVNL/CE(MM)/E3A6/TN-1101 FOR SUPPLY OF 8M LONG PCC POLES HAVING WORKING LOAD 200 KG. AGAINST TENDER NOTICE NO. TN-1101.

| | | |
|--|---|---|
| Availability of tender documents on Web site | : | 04.01.2017 site on wards |
| Last date & time for down loading of tender documents | : | 08.02.2017 |
| LAST DATE & TIME FOR ONLINE (E-TENDERING) TENDER/OFFER | : | 08.02.2017 (Upto 2.00 PM) |
| DATE & TIME OF ONLINE OPENING OF TENDER | : | 09.02.2017 AT 2.30 PM |
| RISL PROCESSING FEE (NON REFUNDABLE) | : | Rs. 1000/- |
| COST OF SPECIFICATION (NON REFUNDABLE) | : | Rs 2500/- |
| VALIDITY | : | 120 days from the next date of opening of Techno-Commercial Bid |
| EARNEST MONEY | : | Rs. 5,00,000.00 (Rs. Five lacs only) or Exemption Certificate or Vender Registration of Class "A" category or above |
| TENDERING QUANTITY | : | 1,00,000 Nos. |
| CONTACT PERSON (AUTHORICED BID SIGNATORY) | : | Chief Engineer (MM) AVVNL, Ajmer |
| CORRESPONDENCE ADDRESS: | : | Panchsheel Makrwali Road, Ajmer |
| MOBILE NO. | : | 9414005945 |
| TELEPHONE & FAX Nos.: | : | 0145- 2644529/ 0145-2644542 |
| WEBSITE & E-MAIL: | : | 1. Web: www.avvnl.com Email: 2. Web: http://risl.rajasthan.gov.in , Email: info.risi@rajasthan.gov.in |
| Address of RISL:- | : | RajCOMP Info Cervices Limited (RISL) 1 st Floor, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur (Rajasthan) Phone: 0141- 5103902, 4031900 Fax: 0141-2228701 Web: http://risl.rajasthan.gov.in , Email: info.risi@rajasthan.gov.in |

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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 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 Chief Engineer (MM), Ajmer Discom, Ajmer then the copy available with Chief 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 EMD one day prior to opening of bid i.e. and scan copy the be upload on website of RISL downloaded bid document in the manner prescribed in bid document.

SECTION-III

TECHNICAL SPECIFICATION FOR SUPPLY OF 8M. LONG PCC POLES OF 200 KG WORKING LOAD WITH FACTOR OF SAFTY 2.5, AGAINST TN-1101 .

1. SCOPE:

This specification covers the design, manufacture, inspection, testing and delivery of finished 8 Metre long- 200 Kg. rectangular shaped, solid prestressed cement Concrete poles, witnessing of tests before dispatch and its transportation from the firm's works to consignee's head quarters. These poles are to be used for erection of 11 KV & LT over head lines.

2. CLIMATIC CONDITIONS:

| | |
|--|-------------|
| I. Peak ambient temperature | 50 Degree C |
| II. Maximum average ambient temperature | 40 Degree C |
| III. Maximum temperature attainable | 60 Degree C |
| IV. Maximum relative humidity | 100 % |
| V. Minimum relative humidity | 50 % |
| VI. Average number of thunder storm days per annum | 40 |
| VII. Average number of rainy days per annum | 100 |
| VIII. Average annual rainfall | 10-100 cm |
| IX. Maximum wind pressure | 100 Kg/sq.m |
| X. Altitudes not exceeding | 1000 mtrs. |

3. REQUIREMENT

The tentative requirement of 8M long poles designed for working load 200Kg with factor of safety 2.5 is 1,00,000 Nos. **approx.** These poles are required for erection of 11 KV & LT over head lines.

The quantity indicated above is tentative and purchaser reserves right to increase/ decrease the same at the time of finalization of tender.

4. DELIVERY SCHEDULE:

The maximum commencement period allowed shall be 40 days from the date of receipt of LOI, and entire ordered quantity shall be completed in nine equal monthly installments thereafter. The bidder is required to quote monthly delivery. In case ordered quantity is different than quoted quantity, monthly delivery shall be adjusted proportionately. Tenders in which monthly delivery is not indicated are likely to be ignored.

5. DETAILS OF APPLICABLE STANDARDS/SPECIFICATION/MANUALS:

The pole shall comply with the relevant provisions made in the following Indian Standards Specification (now BIS) with latest amendments / REC specifications.

| | | |
|---|---|--|
| 1 | REC manual No.13/1977 (part-I) | Manual on manufacturing of solid poles part-I design aspects. |
| 2 | REC manual No.13/1977 (Part.II) | Manual on manufacturing of solid PCC poles part.II manufacturing aspects. |
| 3 | REC specification No.15/1979 (amended upto 1983 & thereafter) | Prestressed cement concrete poles (FOS/2.5) for 11 KV and LT lines. |
| 4 | IS:1678/1978 (Latest amended) | Specification for PCC poles for overhead power traction & telecommunication lines. |
| 5 | IS:2905/1989 (Latest amended) | Method of test for PCC poles for overhead power and telecommunication lines. |
| 6 | IS:7321/1974 (Latest amended) | Code of practice for selection handling and erection of concrete poles for overhead power and telecommunication lines. |
| 7 | IS:1343/1980(Latest amended) | Code of practice for prestressed concrete |
| 8 | IS: 456/1978 (Latest amended) | Code of practice for plain and reinforced concrete |
| 9 | IS: 1785(Latest amended) | For HT steel wires for prestressed concrete |

6. **MATERIAL:**

The following quality of material should be used for manufacturing of PCC poles.

- (i) **CEMENT** : The cement used in manufacture of prestressed concrete poles shall be ordinary or rapid hardening portland cement conforming to IS:269/1976 (specification for ordinary and low heat portland cement) or IS:8041-E-1978 (specification for rapid hardening portland cement) or portland cement conforming to IS:8112/1976.
- (ii) **AGGREGATES** : Aggregates used for the manufacture of prestressed concrete poles shall conform to IS:383/1970 (specification for coarse and fine aggregates from natural sources for concrete). The nominal maximum size of fine aggregates shall not exceed 10 mm.
- (iii) **WATER**: Water should be free from chlorides, sulphates, other salts and organic matter. Potable water is generally suitable.
- (iv) **ADMIXTURES** : These admixtures should not contain calcium chloride or other chlorides and salts which are likely to promote corrosion of pre-stressing steel.
- (v) **PRE-STRESSING STEEL** : The prestressing steel wires including those used as untentioned wires should conform to IS:1785 –1966 Part.I (Specification for plain hard drawn steel wire) or IS:"6003/1970 (Specification for indented wire for prestressed concrete). The type design for plain wires of 4 mm diameter are with a guaranteed ultimate strength of 175 Kg./sq.mm.
- (vi) **CONCRETE MIX** : The concrete mix. shall be designed to the requirements laid down for controlled concrete (also called design requirement laid down/mix. concrete) in IS:1343/1980 (Code of practice for prestressed concrete) and IS:456/1978 (code of practice for plain and reinforced concrete) subject to the following special conditions :

- a) Min. working cube strength at 28th day should be at least 420 Kg. / cm.²

- b) The mix. should contain at least 380 Kg. cement per cubic metre of concrete.
- c) The concrete strength at transfer should be at least 210Kg. / cm.²
- d) The mix. should contain as low water content as is consistent with adequate workability. If it becomes necessary to add water to increase the workability the cement content should also be raised in such a way that the original value of water cement ratio is maintained.

(vii) **REINFORCEMENT** : The reinforcing bars and wires used for manufacturing of prestressed cement concrete poles shall conform to the following Indian standards.

- i) Mild steel bars conforming to IS:432/1966.
- ii) High tensile steel wires conforming to IS:1785/1966.

(viii) **WELDING AND LAPPING OF STEEL**: The high tensile steel wire shall be continuous over the entire length of the tendon. Welding shall not be allowed in any case. However, jointing or coupling be permitted provided the strength of the joint or coupling is not less than the strength of each individual wire.

7. **DESIGN REQUIREMENT:**

The poles shall be designed to meet the following requirements.

- a) The poles shall be planted directly in the ground with a planting depth of 1.5 metres.
- b) The working load on the poles shall be 200 Kg. applied at 0.6 Mtr. from top.
- c) The factor of safety shall not be less than 2.5.
- d) The average permanent load should be 40% of the working load.
- e) The Factor of safety against first crack load shall be 1.0
- f) The ultimate moment capacity in the longitudinal direction should be atleast one fourth of that in the transverse direction.
- g) The max. compressive stress in concrete at the time of transfer of prestress should not exceed 0.8 times the cube strength.
- h) The concrete strength at transfer shall not be less than half of the 28th day strength ensured in the design i.e. : $420 \times 0.5 = 210 \text{ KG./SQ.MM.}$
- i) The concrete cover, measured from outside of prestressing tendon shall be 20 mm.
- j) At the design value, of first crack load the modulus of rupture shall not exceed 55.2 Kg./cm for M-420 concrete.

8. **OPTIMUM DESIGN DIMENSIONS :**

| | | |
|-----------------------------|---|-----------------------------|
| Bottom depth. | : | 290 mm |
| Top depth. | : | 145 mm |
| Breadth. | : | 90mm |
| No. of tensioned wire | : | 12Nos. wires of 4 mm dia. |
| No. of untensioned wire | : | 2Nos. wires of 4 mm dia |
| Length. of untensioned wire | : | 3.95 metre from bottom end |
| Configuration type. | : | AVVNL specification TN-1101 |

If any practical difficulty is experienced in using part length of untensioned wires, full length wires may be used but the tension in these wires, should not exceed 5% of their Ultimate tensile strength.

9. OTHER TECHNICAL REQUIREMENT :

- A) **EARTHING** : Earthing shall be provided, by having continuous length of 4 mm dia G.I. wire embedded in concrete during manufacture and the ends of G.I. wire left projected from the transverse face of the poles to a length of 100 mm at 250 mm from top and 150 mm below ground level (Planting depth to be 1.5 M) The tolerance of 25 mm shall be allowed in position of earth wire. The earth wire shall not be allowed to entangle with prestressing wires.
- B) **EYE HOOKS** : The eye hooks shall be provided on the middle of transverse face of the pole as per IS: 7321/1974 at a distance of about 1.70 metre from top and about 1.60 metre from the bottom, to facilitate the handling. The eye hooks shall be of 10 mm dia MS round and shall have an internal dia of 40 mm. The tolerance of minus 5 mm and plus 20mm in internal dia of eye hooks shall be allowed. the eye hooks in question shall be securely embedded in the pole to ensure safe handling/ loading unloading of poles.
- C) **REINFORCEMENT** : The poles offered should have 8 Nos. rings of 4 mm dia HT wires rings on top side of the pole and 8 Nos. rings of 4 mm dia HT wire rings on the bottom side of the pole thus total HT wire rings should be 16 in all or 4 Nos. of 6 mm dia MS round rings on top side and 4 Nos. of 6 mm dia MS round rings on bottom side are to be provided. The minimum inter spacing of 20 mm in case of 4 mm dia HT wire rings and 30 mm in case of 6 mm dia MS round rings is to be maintained. These rings should be complete and rectangular in shape with minimum over lapping of 20 mm. No rings are to be bunched together.
- D) **HOLES:** The poles offered should have two holes of 18 mm dia on longitudinal face of pole (broad face) to fix top hamper. The top hole shall be at the distance of 60 mm from top of pole and second hole will be at 160 mm from top of pole.

10. WORKMANSHIP :

- (i) All materials used in the finished PCC poles and workmanship shall be of required quality. No deviation with technical particulars required as per this tender specification shall be allowed.
- (ii) Apart from the requirements regarding the design, material, process of manufacture, dimensions shape, workmanship finishing etc., acceptability of PCC poles shall be determined by the results of various tests to evaluate their properties as stipulated in the relevant IS/specification.

11. DRAWINGS :

The tenderer shall furnish alongwith the tender the detailed dimensional drawing based on the AVVNL drawing (enclosed) showing the plan, elevation and end cross sectional views clearly indicating the configuration of HT wire size and No. of HT wire, eye-hook's position & projection of earth wire marking & reinforcement. The drawing is also required to be got approved before commencement of supply.

12. MARKING :

The poles shall be clearly & indelibly marked with the following particulars by engraving properly at a height of 3 metres from the bottom end so as to be easily readable after erection. Marking should not be painted.

1. S.No. of pole.
2. Date, month and year of manufacture.
3. Name/mark of manufacturer.
It should be distinct and should not resemble with mark of other manufacturers and if it resembles with marking of other manufacturers then you should change your marking.
4. Length and working load 8M/ 200 Kg.
5. AVVNL TN-1101.

RED STRIP PAINTING: A strip of 30-40 mm shall be painted on one side(transverse face) of the pole at a planting depth (1.5 Meter from bottom) with oil paint of red colour in such a manner that the red strip shall be visible above the ground. Poles without marking of red strip will not be accepted and considered as rejected.

13. INSPECTION, TESTING & CHECKING :

The inspection and testing shall be carried out at supplier's works as per relevant ISS: GTP/ Spec. before dispatch in accordance with the clause No.1.27 of GCC

The supplier shall incorporate the following certificate in his offer letter which should indicate Sr. No. & total No. of poles casted on different dates, as offered for the present inspection:

- a) That all the PCC poles included in the lot under the present inspection conform to the design, strength and workmanship required as per the purchase order, GTP of the specification and contract drawing under the TN-1101.
- b) That none of the PCC poles offered for the present inspection was previously rejected / not considered for inspection or tested for transverse load strength by any other inspecting officer.

The supplier shall furnish the following certificates / tests results to our Inspecting Officer at the time of inspection, if desired.

- a) The supplier shall furnish test results from the manufacturer to substantiate that HT steel wire of required quality was used in the manufacture of PCC poles under the present inspection.
- b) The supplier shall certify that cement, prestressed steel wires, M.S. Bars, aggregates and other material had been used as per the required specifications, to manufacture the PCC Poles under the present inspection.

The supplier shall arrange the required number of PCC Poles out of the offered lots as per the sampling plan under this specification for witnessing the various tests by Inspecting Officer. The poles so tested in presence of the Inspecting Officer shall be preserved for atleast 30 days from the date of inspection for subsequent checking by any other

representative for the purchaser if needed. The supplier shall intimate in writing name and address of purchaser of these tested poles otherwise the PBG will not released.

The supplier shall provide the following documents to Inspecting Officer, to facilitate and authenticate the process of inspection, checking and testing.

- a) One set of copies of P.O., relevant IS and specification of TN-1101 (with the latest amendment, if any)
- b) Copy of approved Drawing.
- c) Details of all meters/ instruments /equipments to be used in the process of checking and testing of the material alongwith the details for their last calibration (original) certificates of calibration indicating that calibration had been done to full range on all the scales to verify that the last calibration and sealing was got done from the manufacturer or an independent test house approved by NABL /Government within one year prior to the date of inspection.

Inspection shall not be carried out further, if the above requirements are not fulfilled satisfactorily.

A. SAMPLING:

- a) Randomness is the pre requisite for sample checking and testing. Starting from any random serial number or PCC poles in the offered lot (arranged serial number wise and sub-divided sub-lots each not exceeding 500 Nos. of poles) every pole shall be included in the sample "r" being the next higher integral part of N/n where N is the size of the lot or sub-lot and "n" is the sample size as per the table below:-

Sample size and criterion for conformity :

| Size of lot or sub-lot in numbers (N) | Dimensional requirement | | No. of poles for transverse strength test (n) |
|---|-------------------------|---|---|
| | sample size (n) | Permissible No. of defective samples | |
| 1 | 2 | 3 | 4 |
| Upto 100 | 10 | 1 | 1 |
| 101 to 200 | 15 | 1 | 3 |
| 201 to 300 | 20 | 2 | 4 |
| 301 to 500 | 30 | 3 | 5 |

The minimum size of lot which can be offered for inspection is 300 Nos. of pole except in case of last lot which may be for left out balance quantity. Lot size once offered for inspection, can not be reduced subsequently under the re-inspection, unless re-inspection charges for each lot/ sub-lot out of the original lot is deposited.

- b) Deviation in selection of samples may be effected by the Inspecting Officer only if he thinks that the purpose of checking/testing will be better served by such deviation.
- c) The number of poles, in every lot/sub lot, which does not satisfy, the requirement of overall length, cross section and uprightness shall not exceed the corresponding number given in Col.3 of the above Table. If the number of such poles exceeds the corresponding number, supplier shall segregate the pole not confirming the requirement of specification and shall submit the remaining poles for checking. Fresh poles as per sample size indicating in Col.2 will be drawn from the

remaining poles of the offered lot or sub lot and subject to similar checking. If the number of effective poles in the second sample of poles also exceeds the permissible number indicated in Col.3 then the subject lot or sub lot under inspection will be rejected without further checking. Result of all such checking shall be recorded.

- d) PCC poles, in every lot/ sub lot sampled for transverse load strength test shall satisfy the requirement of the test. Initially, selection of sample and inspection and testing of poles will be undertaken as usual as is being done according to IS:1678/1998 and IS:2905/1989 with latest amendments. In case the samples selected satisfied the dimensional requirements and also withstand transverse load test, the lot stands cleared.

In case of one or more poles fail during transverse load test, then twice the number of originally tested shall be selected from those already selected and subjected to the tests. If these poles withstand the transverse load test the entire lot will be deemed to have passed the tests and will be cleared, but if one or more pole fails during double sampling, then leaving aside the sub-lots for which double sampling was done and where samples could not withstand transverse load test, the remaining sub-lots representing poles from which have withstood transverse load test will be accepted provided they satisfy clause No. 9.3.2 of IS:1678/1978. However, the destruction test from the sub-lots will be done by the inspecting officer on the poles on which transverse load was performed and the acceptance of these sub-lots will be on the basis of the test results observed by the inspecting officer during destruction test on the respective representative poles.

- e) All the poles subject to transverse load strength test shall be preserved for atleast 30 days from the date of inspection for any subsequent checking by any other representative of the purchaser, if required. These poles shall not be dispatched /supplied to the purchaser.
- f) One pole from the poles subject to transverse load strength test, from every lot/sub lot, shall be destructed for following measurement/checking.
- i) To measure clear thickness of concrete cover at three points one within 1.8 metre from the bottom end of the pole, the second within 0.6 metre from the top end of the pole and the third at an inter-mediate point. The mean value shall be compared with the specified value.
- ii) To check Nos., size & configuration of steel reinforcement and GI earth wire.

The destructed poles shall also be preserved for atleast thirty days from the date of inspection for subsequent checking by any other representative of the purchaser if required.

B) INSPECTION:

Inspection shall comprise of :

- a) Verification of offered quantity as per packing list.
- b) Visual inspection for shape, workmanship and finishing of the PCC poles.
- c) Checking of dimensions as per the ISS/GTP/ Spec.
- d) Verification of marking and red/ black strip as per GTP.

C) WITNESS OF TRANSVERSE LOAD TESTS :

- i) On PCC poles selected for transverse load strength test as per sampling plan.
- ii) On one PCC pole from every lot/sub lot be destructed to ascertain the No., size and configuration of steel reinforcement and GI earth wire etc.

The supplier should have transverse load testing arrangements of its own. Testing arrangement shall be preferably as specified in the relevant specification i.e. IS:1678/1978 & IS:2905/1989 (both latest amended). As per provision of Clause No.6.2.3 of IS:2905/1989 the load shall be applied at a point stipulated in the relevant IS by means of a suitable device such as a wire rope and winch placed in a direction normal to the direction of the length of the pole so that the minimum length of the straight rope under pull is not less than the length of the pole.

As per provision of Clause No.6.2.5 "load measurement" of IS: 2905/1989. The dynamometer or any other satisfactory method of load measurement shall be calibrated at regular intervals (Not more than one year) and capable of measuring load to the accuracy of 50 N may be adopted.

The transverse strength test on poles shall be conducted in accordance with IS:2905. A prestressed concrete pole shall be deemed not to have passed the test if cracks wider than 0.1 mm appear at a stage prior to the application of the designed transverse load at first crack and the observed ultimate transverse load is less than the designed ultimate transverse load.

14. TEST AT SITE :

The purchaser reserves the right to get the material tested after receipt of inspected poles at sites/ stores and claiming any compensation or rejecting the poles if not found according to specification. All charges consequent to rejection, rectification and replacement shall be borne by the supplier.

15. TOLERANCE :

The following tolerances shall be allowed :

- | | |
|--|--------------------|
| i) Over all length of PCC poles. | ±15 mm |
| ii) Top and bottom dimension. (Breadth and depth of PCC poles) | ± 3 mm |
| iii) Clear concrete cover over HT steel wires (Average of measurements at three sections). | - 2 mm |
| iv) Uprightness or straightness of the PCC poles | 0.5 % |
| v) Internal dia of eye hook | + 20 mm and – 5 mm |
| vi) Dia of holes | ± 1 mm |
| vii) Diameter of HT wires as per IS: 280/1979 | ± 0.05 % |
| viii) Diameter of GI wire as per IS:280/1979 | ± 2.5% |
| ix) Diameter of MS rod for eye hook as per 1786/1966 | ± 4% |

Higher dimensions of poles shall attract no penalty / deduction as it will not be considered as deviation.

16. GUARANTEED TECHNICAL PARTICULARS :

The tenderer shall furnish the guaranteed technical particulars of the PCC poles as required in the schedule-V by mentioning specific figures therein. Any item of the GTP left unfilled or simply written as per ISS etc. shall be considered as incomplete GTP and such tender is liable to be rejected.

17. TRANSPORTATION ARRANGEMENTS :

The tenderer must furnish the location of the factory and road distances from their factory site to various destinations (sub-divisional headquarters of AVVNL) through shortest route.

The tenderers should also furnish the particulars of transportation vehicles owned by them. The tenderers who also undertake the guarantee for transportation of minimum poles daily upto consignee's head quarters within stipulated delivery period shall be preferred in deciding the quantities to be ordered.

Transportation charges are fixed and FIRM in all respect and shall be payable in the following manner:-

| S.N | Particulars | Charges in Rs. |
|--------|----------------------------------|----------------|
| 1 | Minimum fixed charges per pole | 40.00 |
| 2 | Running charges per pole per Km. | |
| (i) | 0-25 Km | 0.45 |
| (ii) | 26-50 Km | 1.20 |
| (iii) | 51-100 Km | 1.20 |
| (iv) | 101-150 Km | 1.15 |
| (v) | 151-200 Km | 1.15 |
| (vi) | 201-250 Km | 1.15 |
| (vii) | 251 -350 Km | 1.00 |
| (viii) | 351 & above | 1.00 |

The above transportation rates are inclusive of unloading charges.

The transportation charges to the firms, situated outside the periphery of Nigam, shall be payable from the nearest firm's works situated inside the periphery of respective Discom or from their own works whichever is lower.

18. CRITERIA FOR ACCEPTANCE:

The inspected PCC poles should be strictly in accordance to the GTP of the specification otherwise the material shall be treated as rejected and shall not be accepted. However, the poles with some minor deviations may be accepted with deductions as per rates prescribed and in force.

Higher dimensions of poles shall not attract any penalty / deduction, as it will not be considered as deviation.

19. PRICES & PRICE VARIATION FORMULA:

The prices shall be quoted on F.O.R. basis in the manner detailed in schedule of Price (Schedule-IV) indicating details of ex-works price, Excise Duty, Sales tax/VAT etc. The quoted prices shall be variable as per Price Variation formula given as under without any ceiling with base date **01.01.2017**.

The prices quoted shall be variable without any ceiling. The price variation shall be claimed as per **Price Variation Formula given in the Schedule-II** and shall be governed as per clause 1.10 of Instructions to bidders (Section-I).

The purchaser shall however not bear any extra financial liability on account of supplier delaying the supplies beyond committed/ stipulated delivery schedule.

20. PAYMENTS:

Payment shall be made against the receipt challans duly verified from the consignee in accordance with the clause No. 1.42 of GCC.

21. QUANTITY TOLERANCE :

A quantity tolerance $\pm 2\%$ (plus minus two percent) shall be allowed on ordered quantity for completion of supply.

22. DELAY IN DELIVERY & DELAY IN DESPATCH :

- i) The delay in delivery shall invoke provisions of clause No. 1.24 of the GENERAL CONDITIONS OF CONTRACT (Sec.II)".

23. PRICE FALL CLAUSE:

If lower rates are received /finalized in subsequent tender for this item then price fall clause shall be applicable as per clause 1.60 of GCC.

SCHEDULE-I**STATEMENT SHOWING THE REQUIREMENT OF 8 Metre LONG 200 KG. PCC POLES AGAINST TN-1101.**

| S.No. | Item | Provisional qty. in Nos. | Remarks |
|-------|---|--------------------------|---------|
| 1 | Rectangular shaped solid PCC Poles conforming to REC spec. No. 24/1983 amended upto 1987 & there-after and ISS 2905/1989 latest amended) & as per requirement of section-III of this spec. in overall length of 8 M. poles having working load of 200 KG. with factor of safety 2.5 | 1,00,000 | |
| | Total | | |

SCHEDULE-II**PRICE VARIATION FORMULA**

The prices quoted shall be variable without any ceiling. The price variation shall be claimed as per **Price Variation Formula given in the specification** and shall be governed as per clause 1.10 of Instructions to bidders (Section-I).

- (a) The prices quoted shall be variable as per price variation formula without any ceiling.

The price variation is allowable only for variation in the prices of High Carbon wire rod. The quoted price of poles should be based on the price of 5.5 mm high carbon wire rod having carbon content 0.76 %, as published by M/s Rashtriya Ispat Nigam Ltd (Govt. of India Undertaking) Ex-stock yard Jaipur. The **base date 01.01.2017** will be.

The price variation per pole on account of variation in the prices of High Carbon wire rod is allowable as per following formula.

For every increase/decrease of Rs.50/- per MT in the average price of H/C wire rod the rate shall increase/decrease by Rs.0.55 per pole. This price variation shall be paid extra on account of HC wire rod only. The minimum unit of Rs.50/- per MT for increase/decrease of HC wire Rod shall be taken into account for allowing price variation. There is no ceiling on price variation.

The applicable price for claiming price variation on account of change in the price of HC wire rod shall be the price prevailing on the first day of calendar month, one month prior to the date of delivery of the particular lot.

- (b) The date of delivery(i.e. date of readiness of material) and variable price shall be worked out in accordance to clause 1.10 of Instructions to bidders (Section-I) .

SCHEDULE-III**DETAILS OF APPLICABLE STANDARDS/SPECIFICATION/MANUALS:**

The pole shall comply with the relevant provisions made in the following Indian Standards Specification (now BIS) with latest amendments / REC specifications.

| | | |
|---|--|--|
| 1 | REC manual No.13/1977 (part-I) | Manual on manufacturing of solid poles part-I design aspects. |
| 2 | REC manual No.13/1977 (Part.II) | Manual on manufacturing of solid PCC poles part.II manufacturing aspects. |
| 3 | REC specification No.15/1979 (amended upto 1983 & thereafter | Prestressed cement concrete poles (FOS/2.5) for 11 KV and LT lines. |
| 4 | IS:1678/1978 (Latest amended) | Specification for PCC poles for overhead power traction & telecommunication lines. |
| 5 | IS:2905/1989 (Latest amended) | Method of test for PCC poles for overhead power and telecommunication lines. |
| 6 | IS:7321/1974 (Latest amended) | Code of practice for selection handling and erection of concrete poles for overhead power and telecommunication lines. |
| 7 | IS:1343/1980(Latest amended) | Code of practice for prestressed concrete |
| 8 | IS: 456/1978 (Latest amended) | Code of practice for plain and reinforced concrete |
| 9 | IS: 1785(Latest amended) | For HT steel wires for prestressed concrete |

SCHEDULE-III (A)**PRE QUALIFICATION REQUIREMENT (PQR)**

The bidder should fulfill following qualification requirements for successful participating in the tender. The bids without relevant documentary evidence in support of each qualifying requirement shall be considered non responsive & rejected.

1. STATUS OF BIDDER

- a) The bidder should be manufacturer of offered items (PCC poles). The offers from sole selling agent/authorized dealers shall not be entertained.
- b) Old/new suppliers:- Any bidder having their works located within or outside the state of Rajasthan has albeit participated for the first time in a particular Discom and meeting minimum qualification requirement (whether Raj. Or outside Rajasthan) has supplied the tendered material/higher rating in other utility shall be treated as an old supplier. Rajasthan based firms not meeting minimum quantity supplied criterion but having manufacturing and adequate testing facility and technical know how shall be considered as new firms and would be eligible for trial order only.

2. PAST SUPPLY AND 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 2% of tendered quantity, failing which the offer may be considered non responsive.
- 2.01.2 The bidder should have designed, manufactured / fabricated, tested and supplied to 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 proforma only. This prescribed proforma should be furnished either in original or copy duly attested by Notary scan copy of document shall be uploaded on website. 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 **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 Jaipur 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. |

4.0 (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 Discom.
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.

5.0 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 proforma 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.

AJMER VIDYUT VITRAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking
SCHEDULE OF PRICES
(Must be filled by the bidder and returned with the bid)

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

With reference to your invitation to bid against specification No-1101, we agree to supply at prices (firm/variable) given as follows

Pole cost including loading charges but excluding transportation with unloading charges (variable with base date 01.01.2017)

| S. No. | Particulars of Material | Qty offered in Nos | Unit Ex-works Price (in Rs.) | Excise duty (Per Unit) | | Cess on Excise Duty(Per Unit) | | CST/VAT (Per Unit) | | Insurance (Per Unit) (In Rs.) | Total Price In Rs. (Per Unit) Col. (4+6+8+10+11) No. | Total Contract Value (In Rs.) |
|--------|-------------------------|--------------------|------------------------------|------------------------|------|-------------------------------|------|--------------------|------|-------------------------------|--|-------------------------------|
| | | | | Rate | Amt. | Rate | Amt. | Rate | Amt. | | | |
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11 | 12 | 13 |
| 1 | 8 M-200 Kg PCC pole | | | | | | | | | | | |

Transportation charges with unloading charges (firm price)

A. Fixed Charges per pole Rs. 40.00

B. Running charges given as below:-

| Distance in Km | 0-25 Km | 26-50 Km | 51-100 Km | 101-150 Km | 151-200 Km | 201-250 Km | 251-350 Km | 351 and above |
|-----------------------------|---------|----------|-----------|------------|------------|------------|------------|---------------|
| Rates in Rs.per Pole per Km | 0.45 | 1.20 | 1.20 | 1.15 | 1.15 | 1.15 | 1.00 | 1.00 |

Notes:-

- (i) The bidder is required to quote the prices in the above format only. Bids having prices quoted in other format/manner are liable to be ignored.
- (ii) The bidder must fill each and every column of the above format. Mentioning "extra/ Inclusive" in any of the column may lead for rejection of the price bid.
- (iii) No cutting/ overwriting in the prices is permissible.
- (iv) The unit Ex-work price to be indicated in Col. No. 4 should be exclusive of taxes & duties which are to be indicated in separate columns meant for the purpose.
- (v) In case of price bid break-up is given component wise and also given sum total by the bidder but there is a difference between aggregate of component wise and sum total, then lesser of the two will be taken into account.
- (vi) Transportation charges as mentioned above are fixed and FIRM in all respect & valid up to completion of supply.

Authorized Signatory of bidder with rubber stamp

SCHEDULE-IV-A

Must be filled in by the tenderer and attach with technical bid (Part-I) on website

To,

**The Chief Engineer (MM),
Ajmer Vidyut Vitran Nigam Limited,
Ajmer**

Dear Sir,

With reference to your invitation to tender against specification No. AVVNL/ CE(MM)/ E3A6/ TN-1101 we agree to supply the following quantity.

| S.No. | Particulars of item | Tendered quantity | Qty. offered | Justification of quantity offered as per qualifying requirement. | Remarks |
|-------|---|-------------------|--------------|--|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | Rectangular shaped solid PCC Poles conforming to REC spec. No. 24/1983 amended upto 1987 & there-after and ISS 2905/1989 latest amended) & as per requirement of section-III of this spec. in overall length of 8 M. poles having working load of 200 KG. with factor of safety 2.5 | 1,00,000 Nos. | | | |

1. The offer is valid for a period of 120 days from the next date of opening of Techno Commercial Bid of the tender.
2. The prices are variable with the base date **01.01.2017** as per price variation formula given at schedule -II
3. It is noted that the quantities as mentioned in the specification are approximate and we agree to supply any quantity as per your order.
4. The delivery shall strictly be in accordance with delivery clause. In case we fail to deliver the material, we are liable to pay recovery for delay in delivery as per clause No. 1.24 of this Section-II of this specification.
The material shall conform to your specification No. AVVNL/ CE(MM)/ E3A6/ TN-1101 and as per relevant ISS in all respect.
5. We confirm that we agree to all the terms and conditions as well as the technical stipulations of your specification No. AVVNL/ CE(MM)/ E3A6/ TN-1101 and there are no deviations other than as specified in the Schedule-VI (A&B).

Authorized Signatory of tenderer
With stamp

SCHEDULE-V

GUARANTEED TECHNICAL AND OTHER PARTICULARS(GTP) OF 8 Metre PCC POLES HAVING WORKING LOAD 200 KG. WITH FACTOR OF SAFETY 2.5 UNDER TN-1101.

| S.No. | Particulars | Requirement as per GTP |
|-------|--|--|
| 1 | MANUFACTURER'S NAME | |
| 2 | OFFICE ADDRESS | |
| 3 | WORKS ADDRESS | |
| 4 | STANDARDS TO WHICH THE MATERIAL SHALL CONFORM | As per specification |
| 5 | OVER ALL LENGTH | 8 Metre |
| 6 | PLANTING DEPTH | 1.5 metre |
| 7 | TOP DIMENSIONS IN MM | 145 x 90 mm |
| 8 | BOTTOM DIMENSIONS IN MM | 290 x 90 mm |
| 9 | APPROXIMATE WEIGHT | 380 Kg. |
| 10 | WORKING LOAD | 200 Kg. |
| 11 | FACTOR OF SAFETY (F.O.S.) | 2.5 |
| 12 | NO. & DIA OF HT WIRE (TENSIONED) | 12(4 mm dia) |
| 13 | NO. & DIA OF HT WIRE (UNTENSIONED) | 2(4 mm dia) of length 3.95 mtr. each |
| 14 | CONFIGURATION OF HT WIRE | As per approved drawing |
| 15 | POSITION OF EARTH WIRE LENGTH AND SIZE OF WIRE | G.I. wire of 4 mm dia having continuous length with a projection of 100 mm at 250 mm from top and 150 mm from below ground level. |
| 16 | DIMENSIONS AND POSITION OF EYE HOOKS | 2 Nos. of Eye hook of 10 mm dia M.S. round having internal dia of 40 mm at 1.7 metre from top and 1.6 metre from bottom |
| 17 | REINFORCEMENT (SIZE AND NO. OF RINGS) | 8 Nos. of rings of 4 mm dia HT wires on top and 8 Nos. of rings on bottom (both ends) with minimum inter spacing of 20 mm. |
| 18 | CONCRETE COVER | 20 mm |
| 19 | MARKING ON THE POLES | Marking should be engraved on transverse face |
| 20 | RED STRIP | A strip of 30-40 mm shall be painted with oil paint of red colour, on one side (transverse face) of the pole at a planting depth of 1.5 Metre from bottom. |
| 21 | HOLES POSITION | 2 holes of 18 mm dia at 60 mm and 160 mm from top on longitudinal face of the pole(broad face). |
| 22 | STEEL QUANTITY PER POLE | 10.25 Kg. |
| 23 | ULTIMATE TENSILE STRENGTH | 17500 Kg./ sq.cm |
| 24 | CONCRETE QUANTITY PER POLE | 0.157M ³ |
| 25 | CONCRETE GRADE | M-42 |

Note:- Max. tension in wire should not exceed 80% of its ultimate tensile strength.

Authorized Signatory of the Bidder
Name _____
Designation _____
Common authorized seal of bidder

**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.

Authorized Signatory
Name & Designation
with seal of the bidder.



AJMER VIDYUT VITRAN NIGAM LIMITED, AJMER
(Material Management Wing)
Vidyut Bhawan, Panchsheel Makrwali Road, Ajmer-305004
Tel. No. 0145- 2644529, Fax No.0145-2644542

**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.

Authorized Signatory
Name & Designation
with seal of the bidder.



AJMER VIDYUT VITRAN NIGAM LIMITED, AJMER
(Material Management Wing)
Vidyut Bhawan, Panchsheel Makrwali Road, Ajmer-305004
Tel. No. 0145- 2644529, Fax No.0145-2644542

LIST OF PAST SUPPLIES

The bidder shall state under this schedule whether material and equipments, similar to those offered in the tender 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 in MT | Order No. & Date | Name & details of purchasing authority | Date of Completion |
|-------|--|-----------|------------------|--|--------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |

| If executed partially mentioned (Qty. in M.T.) | whether still to be executed | Delivery stipulated in order | Remarks to be |
|--|------------------------------|------------------------------|---------------|
| 7 | 8 | 9 | 10 |

Note: Separate schedules are to be furnished by the bidder for past supply to the AVVNL, Ajmer other State Electricity Boards and other Departments /Organizations.

Authorized Signatory
Name & Designation
with seal of the bidder.

Schedule-VII-A

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

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s _____ have designed, manufactured/ fabricated ,tested and supplied similar item/higher rating of tendered material /equipments in last three financial years from the date of opening of Techno-Commercial bid to the Utilities/ Discoms/ Government Department, as detailed out below:-

| S. No | Financial year in which material supplied | Particulars of items supplied | Name and particulars of purchasing authority | Order No. & date | Unit | Quantity ordered | Value in Rs. | Actual quantity supplied against the order | Value | Remarks |
|-------|---|-------------------------------|--|------------------|------|------------------|--------------|--|-------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

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.

Authorized Signatory

Signature of

Name & designation
With seal of the Bidder

C.A. of firm
With seal & Membership No

SCHEDULE-VIII

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

DELIVERY SCHEDULE

PART-A

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

| S.No. | <i>Particular of material</i> | Delivery |
|--------------|---|---|
| | Rectangular shaped solid PCC Poles conforming to REC spec. No. 24/1983 amended upto 1987 & there-after and ISS 2905/1989 latest amended) & as per requirement of section-III of this spec. in overall length of 8 M. poles having working load of 200 KG. with factor of safety 2.5 | The max. commencement period allowed shall be 40 days from the date of receipt of LOI and entire ordered quantity shall be completed in nine equal monthly installments thereafter. |

Note :- In case ordered quantity is different than quoted quantity, then monthly delivery shall be adjusted proportionately. Tenders in which 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.No. | Particular of material | Commencement and monthly delivery |
|--------------|---|--|
| 1. | Rectangular shaped solid PCC Poles conforming to REC spec. No. 24/1983 amended upto 1987 & there-after and ISS 2905/1989 latest amended) & as per requirement of section-III of this spec. in overall length of 8 M. poles having working load of 200 KG. with factor of safety 2.5 | |

(i) During the commencement period the contractual formalities shall be got completed.

Authorized Signatory
Name & Designation

Schedule – IX



AJMER VIDYUT VITRAN NIGAM LIMITED, AJMER
(Material Management Wing)
Vidyut Bhawan, Panchsheel Makrwali Road, Ajmer-305004
Tel. No. 0145- 2644529, Fax No.0145-2644542

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 alongwith 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 alongwith 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.

Authorized Signatory
Name & Designation
with seal of the bidder.



GENERAL PARTICULARS ABOUT THE TENDER IN BRIEF

AJMER VIDYUT VITRAN NIGAM LIMITED, AJMER

(Material Management Wing)

Vidyut Bhawan, Panchsheel Makrwali Road, Ajmer-305004

Tel. No. 0145- 2644529, Fax No.0145-2644542

BID DOCUMENT FOR PURCHASE OF 8 Metre LONG 200 KG. PCC POLES AGAINST TN-1101

| | | |
|--|---|---|
| Availability of tender documents on Web site | : | 04.01.2017 site on wards |
| Last date & time for down loading of tender documents | : | 08.02.2017 |
| LAST DATE & TIME FOR ONLINE (E-TENDERING) TENDER/OFFER | : | 08.02.2017 (Upto 2.00 PM) |
| DATE & TIME OF ONLINE OPENING OF TENDER | : | 09.02.2017 AT 2.30 PM |
| RISL PROCESSING FEE (NON REFUNDABLE) | : | Rs. 1000/- |
| COST OF SPECIFICATION (NON REFUNDABLE) | : | Rs 2500/- |
| VALIDITY | : | 120 days from the next date of opening of Techno-Commercial Bid |
| EARNEST MONEY | : | Rs. 5,00,000.00 (Rs. Five lacs only) or Exemption Certificate or Vender Registration of Class “A” category or above |
| TENDERING QUANTITY | : | 1,00,000 Nos. |
| CONTACT PERSON (AUTHORICED BID SIGNATORY) | 1 | Chief Engineer (MM) AVVNL, Ajmer |
| CORRESPONDENCE ADDRESS: | | Panchsheel Makrwali Road, Ajmer |
| MOBILE NO. | | 9414005945 |
| TELEPHONE & FAX Nos.: | | 0145- 2644529/ 0145-2644542 |
| WEBSITE & E-MAIL: | | 1. Web: www.avvnl.com Email: 2. Web: http://risl.rajasthan.gov.in , Email: info.risi@rajasthan.gov.in |
| Address of RISL:- | | RajCOMP Info Cervices Limited (RISL) 1 st Floor, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur (Rajasthan) Phone: 0141- 5103902, 4031900 Fax: 0141-2228701 Web: http://risl.rajasthan.gov.in , Email: info.risi@rajasthan.gov.in |

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 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 Chief Engineer (MM), Ajmer Discom, Ajmer then the copy available with Chief 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 EMD 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.

1. **Furnishing of Proof of deposition of Cost of Bid Document, Earnest Money/ exemption certificate as per Clause 1.03 & 1.16 of Section-I (Instruction to Bidder) along with downloaded Bid Document is essential otherwise the “BID OFFER” will not be opened. However the bidders who get themselves registered with AVVNL as per Clause No. 1.5.3 of Section-II (General Condition of Contract) before submitting of bid documents against this bid enquiry for supply of quoted items under appropriate category are not required to furnish Earnest Money Deposit. They shall furnish the proof of such valid registration with their bid. Cost of Bid Document shall be furnished in the form of Crossed Bank Draft / Bankers Cheque payable in the name of “Sr. A.O. (EA & Cash), AVVNL, AJMER” payable at Ajmer. EMD if required shall be furnished in accordance with Clause No. 1.03.1 of Section-I (Instruction to Bidders) and RISL PROCESSING FEE Rs. 1000/- (NON REFUNDABLE) payable to Managing Director RISL Jaipur and Rs. 2500/- tender fees payable to “Sr. A.O. (EA & Cash), AVVNL, AJMER”.**
2. The Central and State Govt. undertakings are exempted from furnishing of Earnest money subject to furnishing of such certificate / documentary evidence in support of their being Govt. (Central/State) undertaking.
3. The bidder shall quote the Prices strictly in the manner prescribed in Clause No. 1.09 of Section-I (Instruction to Bidders) & Clause No. 1.33 of Section-II (General Conditions of Contract) in **Schedule-IV** otherwise their bid is liable for rejection. The price quoted should be variable without any ceiling as per IEEMA price variation formula annexed in **Schedule - II**. The **Base date** for price variation shall be **01.01.2017**.
4. **The bid offer shall be furnished in two parts & shall comply all provisions of Clause No. 1.02 Section-I (instruction to Bidders) and the Bid offer shall be furnished in the following manner:**
 - i) **First envelope/ cover containing proof of deposition of cost of Bid documents & EMD as under**
 - First: a) Content proof document of tender fee Rs. 1000/- payable to Managing Director, RISL payable at Jaipur.

Second: b) Content proof document of tender specification fee (i.e. Rs. 2500/-) payable Managing Director to Sr. Accounts officer (EA & Cash), AVVNL Ajmer payable at Ajmer.

Third: c) Content proof document of EMD of Rs. 5, 00,000.00 (Rs. Five lacs only) or Exemption Certificate or Vender Registration of Class “A” category or above / A certificate of being a Rajasthan/ Central Govt. undertaking should be clearly written on the front cover on document.

ii) **Second envelope/ cover for techno-commercial bid. Techno-Commercial Bid’ should be clearly written on the front side of the cover.**

iii) **Third envelope/ cover for price bid. Cover– III Price Bid’ should be clearly furnished on prescribed format (schedule Fourth) the front side of the cover.**

Note: Envelope/ Cover III containing price bid will be kept unopened in the safe custody at the website RISL. It will be opened at a later date in respect of those bidders whose offers are found / adjudged technically and commercially acceptable. The date of opening of “Price Bid” shall be intimated to successful bidders in due course of time. In case of deviation from the stipulated clauses of bid specifications, price bid of the bidder will not be opened.

iv) **The bidder shall ensure that bid is furnished / submitted strictly in the manner detailed in the Specification.**

5. 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.

6. Bids without Section-I, II, III & Schedules (I to X) shall be rejected.

7. 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.

8. AVVNL reserves the right to accept minor deviations in standard terms and also in technical and constructional features as specified in the technical specification **(Section-III)**.
9. Deviation of any kind shall not be quoted in price bid, if found quoted, the same shall be ignored.
10. The following facilities are to be provided by the supplier at his own cost to the inspecting officer of AVVNL.
 - A) Suitable accommodation.
 - i) Local conveyance between arrival point, place of stay, works and departure point.
 - ii) 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.

Note: If any difficulty arises, in down loading/ unloading of tender you may contact in the RISL, Jaipur Rajasthan (Contact no. 0141- 5103902, 4031900) or AVVNL at contact no. 9413391445/9413391449.