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1. Tender documents will be made available on e-Tendering portal [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) The bidders, in their own interest are requested to read very carefully the tender document before submitting the bid only through online on website [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) . The bidders can download bid up to 04:00 p.m. one day prior to schedule date of opening of respective bid mentioned above documents and submit their bids online up to 12:00 p.m. on schedule of respective bid mentioned above.
2. Eligible bidders should submit their bid well in advance instead of waiting till last date JdVVNL will not be responsible for non-submission of bids due to any website related problems.
3. The cost of Tender specification **Rs. 2950/-** (Non-Refundable) to be paid by Demand Draft in Favour of the Sr. Accounts officer(Cash & CPC), JdVVNL, Jodhpur and tender processing fees Rs. **1000/-** shall be payable by demand draft in favour of The Managing Director RISL, Jaipur ( Non- Refundable). The bidders are required to deposit all these payments in the office of the SE(MM&C), JdVVNL, Jodhpur up to 4.00 PM one day prior to date of tendering otherwise their bids are liable to be rejected.
4. The Bid Security amount (as applicable) to be paid by demand draft/banker's cheque in favour of SR.AO(CASH & CPC), JDVVNL, Jodhpur (Payable at jodhpur) **342003 up to 4.00 p.m upto one WORKING day prior to schedule date of opening** of respective bid or Bank guarantee, in specified format, of a scheduled bank in favour of superintending Engineer (MM&C), JDVVNL, Jodhpur be deposited **up to 4.00 p.m. up to one WORKING day to schedule date of opening** of respective bid and obtain a receipt/acknowledgement thereof. No other mode of deposit shall be accepted. At the time of depositing the Bid Security amount or Bank Guarantee, the bidder shall also furnish self attested and duly attested by Notary, the documentary evidence of SSI unit of Rajasthan or of sick unit (as applicable) along with affidavit as per schedule X on Non-Judicial Stamp of Rs. 100/-.

The Bank Guarantee against Bid Security be issued by Nationalized / Scheduled Bank. The same may be accepted after confirmation by issuing Bank. If any Bid Security Bank Guarantee not in proper format / not confirmed by the issuing Bank the same would not be accepted and the bidder would be immediately shorted out from bid process.

**JODHPUR VIDYUT VITARAN NIGAM LIMITED  
( MATERIAL MANAGEMENT & CONTRACT )  
NEW POWER HOUSE, INDUSTRIAL AREA, JODHPUR -342003**

**TELEPHONE: 0291-2742223**

**TELE FAX: 0291-2746539**

**TENDER SPECIFICATION NO. JdVVNL/SE(MM&C)/EIII/III/TN-1448**

Short term Tenders are hereby invited in e-procurement system for purchase of **9.0 M. LONG PCC POLES OF 400 KG WORKING LOAD WITH FACTOR OF SAFTY 2.0, UNDER TN-1448.**

Tenders are to be submitted online in electronic format on website <http://eproc.rajasthan.gov.in>.

The details are as under-

S. No.	Name of Item	Quantity	Estimated Unit F.O.R. Price
<b>1</b>	9 M. LONG PCC POLES OF 400 KG WORKING LOAD WITH FACTOR OF SAFTY 2.0	<b>23,875 Nos.</b>	<b>Rs. 2636.00</b>

<b>A</b>	NIT No.	<b>TN-1448</b>
<b>B</b>	Cost of tender specifications	<b>Rs.2950.00 (Two Thousand Nine Hundred fifty Only)</b>
<b>C</b>	Processing fee of RISL	<b>Rs.1000.00 (One Thousand Only)</b>
<b>D</b>	Bid Security	(i) General Bidder : Rs. 12,58,690.00 (ii) Sick Unit : Rs. 6,29,345.00 (iii) SSI Unit of Rajasthan: Rs. 3,14,673.00*
<b>E</b>	Validity	<b>120 days from the next date of opening of techno-commercial bid.</b>
<b>F</b>	Base date for price variation	<b>1<sup>st</sup> day of one month prior to the date of opening of the bid</b>

\* In case of SSI unit of Rajasthan quotes the less than the tenedered 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.

**IMPORTANT DATES**

S.N.	Events	Date & Time	Location
1	Date of downloading of tender specifications	Up to 07.06.2018 (6:00 PM)	<a href="http://www.jdvvnl.com">www.jdvvnl.com</a> & <a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>
2	Deposit of cost of Tender Specifications & Bid Security and furnishing of Processing fee	Up to 07.06.2018 (4:00 PM)	Office of Sr. A.O (Cash & CPC) / SE (MM&C), JdVVNL , New Power House, Industrial Area, Jodhpur
3	Last Date & time of submission of electronic bid	Up to 08.06.2018 (12:00 PM)	<a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>
4	Opening of Technical Bid	08.06.2018 (3.00 PM)	<a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>
5.	Opening of Price Bid	To be intimated separately to the qualified bidders	<a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>

### SECTION-III

#### **TECHNICAL SPECIFICATION FOR SUPPLY OF 9 M. LONG PCC POLES OF 400 KG WORKING LOAD WITH FACTOR OF SAFTY 2.0, AGAINST TN-1448.**

#### **1. SCOPE :**

This specification covers the design, manufacture, inspection, testing and delivery of finished 9 meter long- 400 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 33 KV /11 KV over head lines and installation of transformers.

#### **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 9.0 M long poles designed for working load 400 Kg with factor of safety 2.0 is **23,875 Nos.** approx. These poles are required for 33/11 KV lines and installation of transformers.

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 LOA, and entire ordered quantity shall be completed in eight (8) months at equal monthly rate 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 unmentioned 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 28<sup>th</sup> day should be at least 420 Kg. / cm.<sup>2</sup>
- 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 210 Kg. / cm.<sup>2</sup>
- 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 400 Kg. applied at 0.6 Mtr. from top.
- c) The factor of safety shall not be less than 2.0.
- 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 28<sup>th</sup> day strength ensured in the design i.e.:  $420 \times 0.5 = 210 \text{ KG./SQ.MM.}$
- i) The cover concrete measured from outside of prestressing tendon shall be normally 20 mm.
- j) At the design value of first crack load the modulus of rupture shall not exceed 55.2 Kg./cm for M-42 concrete.

## 8. OPTIMUM DESIGN DIMENSIONS :

Bottom depth.	:	395 mm
Top depth.	:	225 mm
Breadth.	:	100 mm
No. of tensioned wire	:	20 Nos. wires of 4 mm dia.
Configuration type.	:	JdVVNL specification TN-1448.

## 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 2.25 metre from top and about 1.8 metre from the bottom, to facilitate the handling. The eye hooks shall be of 12 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 shall be securely embedded in the pole to ensure safe handling.

**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 :

Approved copy of drawing is enclosed herewith the Technical Specification and bidder shall manufacture / supply the material in accordance of approved drawing of JdVVNL

## 12. MARKING :

(A) 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. TN-1448 and JdVVNL.
5. Length and working load 9.0 M/400 Kg.

**(B) 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 Metre 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 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-1448.

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 tested poles otherwise the PBG will not be 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 (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 along with 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 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	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
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 100 Nos. of pole except in case of last lot which will be balance quantity left. Further lot size once offered for inspection can not be reduced subsequently under the re-inspection. If required unless re-inspection charges for each 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 poles from the sub-lots representative poles from which failed will be taken for transverse load test. 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 reserved for at least 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/quantity as per the GTP/Specifications.
- d) Verification of marking and red/black strip as per GTP.

## **C) WITNESS OF TESTS :**

- i) On PCC poles for its transverse load strength test .
- ii) On one PCC pole from every lot/sub lot by destruction 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 poles 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 transverse load is less than the designed ultimate transverse load.

The following facilities are to be provided by the supplier at his own cost to the inspecting officer of JdVVNL.

- (a) Suitable accommodation.
- (b) Local conveyance between arrival point, place of stay, works and departure point.
- (c) 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.

## **14. TEST AT SITE :**

The purchaser reserve 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 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 JdVVNL) 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 up to consignees 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 with unloading charges payable in the following manner:-**

S.N.	Particulars	Charges in Rs.
1	Minimum Fixed charges in Rs. per pole	85.05
2	b) Running charges per pole per KM	
(i)	0 to 25 Kms	0.95
(ii)	26 to 50 Kms	2.85
(iii)	51 to 100 Kms	2.63
(iv)	101 to 150 Kms	2.38
(v)	151 to 200 Kms	2.38
(vi)	201 to 250 Kms	2.30
(vii)	251 to 350 Kms	1.89
(viii)	351 & Above	1.89

The GST shall be payable extra on above transportation rates.

The transportation charges are payable 150% for Mount Abu (Sirohi distt.) of Jodhpur Discom at par.

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 (excluding the transportation charges) in the manner detailed in schedule of Price (Schedule-IV / BOQ) indicating details of ex-works price, GST etc. The quoted prices shall be variable as per Price Variation formula given as under without any ceiling with base date **1.05.2018**.

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:**

The delay in delivery and dispatch shall be governed by the provisions of clause No. 1.24 of the GENERAL CONDITIONS OF CONTRACT (Section-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.

**24.** Further, old tax structure wherever appearing in ITB & GCC may be replaced by GST as per notification wef 1.07.2017.

Further, GST registration number of Jodhpur Discom is 08AAACJ8578R1ZJ.

**25.0 ADDITIONAL ORDER**

Repeat order for additional quantities upto 50% of original ordered quantities , may be placed by the nigram on the same rates ,terms and conditions given in the contract.

**26.0** Every Micro, Small & Medium enterprises of Rajasthan shall be required to submit an affidavit in schedule-X, along with duly filled bid document.

**SCHEDULE-I****STATEMENT SHOWING THE REQUIREMENT OF 9 metre LONG 400 KG. PCC POLES AGAINST TN-1448**

S.No.	ITEM	Provisional qty. in Nos.	Remarks
1	Rectangular shaped solid PCC Poles conforming to REC spec. No. 24/1983 amended up to 1987 & thereafter and ISS 2905/1989 (latest amended) & as per requirement of section-III of this spec. in overall length of 9 M. poles having working load of 400 KG. with factor of safety 2.0	23,875	
	<b>Total</b>	23,875	

Note: The quantities as mentioned in the schedule of requirements are tentative and may increase / decrease as per the requirement of the Nigam.

**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) **Jaipur/Ludhiana Ex-stockyard price**. The base date will be **01.05.2018**.

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.0.89 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 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. STATUS OF BIDDER**

I) The bidder should be manufacturer of offered items (PCC poles). The offers from sole selling agent/authorized dealers shall not be entertained.

II) 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 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. 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**

The bidder is required to quote for minimum 2% of tendered quantity, failing which the offer may be considered non responsive.

I) The bidder should have designed, manufactured/fabricated tested and supplied to utility/ Discoms/ Govt. Departments at least 2xQQ (QQ being the quoted quantity) of similar item / higher rating of tendered material / equipment in last three financial years (for quantity verification C.A. Certificate should be furnished) from the date of opening of techno-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.

II) In support of fulfillment of the past supply criteria, the bidder shall furnish documentary evidence in the form of certificate from **C.A. in the prescribed proforma only. This prescribed proforma should be either in** original or copy duly attested by the Notary. The bidder shall also sign and affix seal on the prescribed format C.A. Certificate. The certificate should have membership number with the name and address of the chartered accountant. Certificate should clearly indicate the quantity supplied, period of supply 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

(i) If a bidder could supply 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, then 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. POOR RECORD OF PERFORMANCE AND DELIVERY

The bidders who have been black listed in any of the state Discom or with whom business relations have been severed in Jodhpur 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, misrepresentation, 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 LOA/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 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.

**SCHEDULE-IV-A****Must be filled in by the tenderer and attach with technical bid (Part-I)**

To,

The Superintending Engineer (MM & C)  
Jodhpur Vidyut Vitran Nigam Limited,  
Jodhpur

Dear Sir,

With reference to your invitation to tender against specification No. JUD/SE/XEN-III/MM & C/  
TN-1448, 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 9 M. poles having working load of 400 KG. with factor of safety 2.0	23,875 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 **01.05.2018** 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. JUD/SE/XEN-III/MM&C/TN-1448 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. JUD/SE/XEN-III/MM&C/TN-1448 and there are no deviations other than as specified in the Schedule-VI (A&B).

Yours faithfully,

Signature of tenderer  
With stamp

**SCHEDULE-V****GUARANTEED TECHNICAL AND OTHER PARTICULARS OF 9 METRE PCC POLES HAVING WORKING LOAD 400 KG. WITH FACTOR OF SAFETY 2.0 UNDER TN-1448.**

S.No.	Particulars	Requirement as per GTP
1	MANUFACTURER'S NAME	
2	OFFICE ADDRESS	
3	PLACE WHERE THE MATERIAL SHALL BE OFFERED FOR INSPECTION	
4	GST No.	
5	STANDARDS TO WHICH THE MATERIAL SHALL CONFORM	As per specification
6	OVER ALL LENGTH	9.0 metre
7	PLANTING DEPTH	1.5 metre
8	TOP DIMENSIONS IN MM	225x100 mm
9	BOTTOM DIMENSIONS IN MM	395x100 mm
10	APPROXIMATE WEIGHT	675 Kg.
11	WORKING LOAD	400 Kg.
12	FACTOR OF SAFETY (F.O.S.)	2.0
13	NO. & DIA OF HT WIRE (TENSIONED)	20 ( 4 mm dia)
14	CONFIGURATION OF HT WIRE	As per approved drawing
15	POSITION OF EARTH WIRE LENGTH AND SIZE OF WIRE	Continuous length of 4 mm dia G.I. wire 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 12 mm dia M.S. round having internal dia of 40 mm at 2.25 metre from top and 1.8 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 on one side of the pole at a planting depth (1.5 Metre from bottom) with oil paint of red colour.
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	CONCRETE QUANTITY PER POLE	0.279 M <sup>3</sup>
23	CONCRETE GRADE	M-42

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

Signature of the Bidder  
Name \_\_\_\_\_  
Designation \_\_\_\_\_

Common authorized seal of bidder

**Schedule – VI (A)**

**JODHPUR 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:-

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S.No.	Main Deviations from Technical Specification.
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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)**

**JODHPUR 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:-

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S.No.	Main Deviations from Specification.
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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****JODHPUR 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 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 Nos.	Order No. & Date	Name & details of purchasing authority	Date of Completion
1	2	3	4	5	6

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

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

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

**Schedule-VII-A****JODHPUR 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
1	2015-16									
2	2016-17									
3	2017-18									

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.

Signature

Signature of

Name & designation  
With seal of the Bidder

C.A. of firm  
With seal & Membership No

**Note: The C.A. Certificate must be signed by the bidder and C.A. firm. The details i.e. address of C.A. & membership no. shall clearly be mentioned on CA certificate. In case C.A. certificate is not signed by bidder / furnished without membership no. & address of C.A. then same may not considered for which responsibility rests with the bidder.**

**SCHEDULE-VIII****JODHPUR VIDYUT VITRAN NIGAM LIMITED  
DELIVERY SCHEDULE****PART-A**

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

S. No	Particular of material	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 9 M. poles having working load of 400 KG. with factor of safety 2.0	The max. commencement period allowed shall be 40 days from the date of receipt of LOA and entire ordered quantity shall be completed in <b>eight(8) months</b> at equal monthly rate 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
	Rectangular shaped solid PCC Poles conforming to REC spec. No. 24/1983 amended up to 1987 & there-after and ISS 2905/1989 (latest amended) & as per requirement of section-III of this spec. in overall length of 9.0 M. poles having working load of 400 KG. with factor of safety 2.0	

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

**Signature**

**Name & Designation**

With seal of the bidder

**Schedule – IX****JODHPUR 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**

**Format of Affidavit**  
(ON NON-JUDICIAL STAMP OF Rs. 100/-)

I \_\_\_\_\_ S/o \_\_\_\_\_ Aged \_\_\_\_\_ 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  
Centre \_\_\_\_\_. The acknowledgement No. is \_\_\_\_\_ dated  
\_\_\_\_\_ and has been issued manufacture of following items:

Name of Items	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 Rubber Stamp and date

GENERAL  
**Amendments in GCC & ITB**

- 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 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.**

The Bid Security amount (as applicable) to be paid by Demand Draft/Banker's Cheque in favour of SR. AO (CASH & CPC), JDVVNL, Jodhpur (payable at Jodhpur) 342003 **upto 4.00 p.m. upto one WORKING day prior to schedule date of opening** of respective bid or Bank Guarantee, in specified format, of a scheduled bank in favour of Superintending Engineer (MM&C), JDVVNL, Jodhpur, be deposited **upto 4.00 p.m. upto one WORKING day prior to schedule date of opening** of respective bid and obtain a receipt/acknowledgement thereof. No other mode of deposit shall be accepted. At the time of depositing the Bid Security amount or Bank Guarantee, the bidder shall also furnish self attested and duly attested by Notary, the documentary evidence of SSI unit of Rajasthan or of sick unit (as applicable) along with affidavit as per schedule X on Non-Judicial Stamp of Rs. 100/-.

The Bank Guarantee against Bid Security be issued by Nationalized / Scheduled Bank. The same may be accepted after confirmation by issuing Bank. If any Bid Security Bank Guarantee not is proper format / not confirmed by the issuing Bank the same would not be accepted and the bidder would be immediately shorted out from bid process.

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.

- 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) Performance security from the successful bidder shall be **5%** of the amount of supply order (in case of established suppliers) / **1%** of the amount of supply order (in case of Micro, Small & Medium scale industries of Rajasthan) / **2%** of the amount of supply order (in case of sick industries) / **10%** of the amount of supply order (in case of other suppliers). 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) The following amendment is hereby made in GCC Clause No. 1.43 (Due Date of Payment):**

Payment shall be due and payable by the purchaser in accordance with the provision of the contract within a reasonable period from the date of receipt of each invoice by the contractor / supplier duly supported by a certificate of the Engineer. The purchaser will take all possible effort to make payment to the contractor / supplier generally on **45<sup>th</sup> day** after receipt of duly verified challans / receipts / bill in the office of paying authority {Sr. Accounts Officer (Cash & CPC) Jodhpur Discom, Jodhpur / Concerned Circle Accounts Officer} and completion of contractual formalities. But in case of delay in payment the purchaser shall not be liable to pay any interest on the outstanding amount to the contractor / supplier.

**APPENDIX-A**

Bank Guarantee No. \_\_\_\_\_.  
 Security Amount : \_\_\_\_\_.  
 Issued on dated : \_\_\_\_\_.  
 Valid upto : \_\_\_\_\_.  
 Claim upto / Grace period: \_\_\_\_\_.

**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&C),  
 Jodhpur Vidyut Vitaran Nigam Limited,  
 Jodhpur.

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. / TN No. \_\_\_\_\_) (hereinafter called "the Bid").
2. KNOW ALL PEOPLE by these presents that WE \_\_\_\_\_ (name and address of branch 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 this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.
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 unconditionally and irrevocably to guarantee as primary obligator and not as surety merely to pay to the purchaser a sum of Rs. \_\_\_\_\_ (in words Rs. \_\_\_\_\_) 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 Superintending Engineer (MM&C), Jodhpur Vidyut Vitaran Nigam Limited, Jodhpur 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 \_\_\_\_\_ (Bank Name) further undertake not to revoke this guarantee during its currency except with the previous consent of the Superintending Engineer (MM&C), Jodhpur Vidyut Vitaran Nigam Limited, Jodhpur.
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 the Courts in Jodhpur, 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. upto \_\_\_\_\_, 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 (EXECUTANT)

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.

**Note :** 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.