

**GENERAL PARTICULARS ABOUT THE TENDER IN BRIEF**

	<b>AJMER VIDYUT VITRAN NIGAM LIMITED</b> <b>(MATERIAL MANAGEMENT WING)</b> <b>NEW VIDYUT BHAWAN, MAKARWALI ROAD, PANCHSHEEL NAGAR,</b> <b>AJMER 305 004.</b> <b>(TEL. 0145-2644529 FAX 0145-2644542.)</b>
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**TECHNICAL SPECIFICATION FOR SUPPLY OF (i) 33 KV DOUBLE CIRCUIT UNGALVANIZED STEEL LATTICE STRUCTURE 42' LONG ALONG WITH 3 NOS. 33 KV CROSS ARMS (CHANNEL) & 48 NOS. M. S. BOLT WITH NUTS COMPLETE PACKAGE (i) 33 KV SINGLE CIRCUIT UNGALVANISED STEEL LATTICE STRUCTURES 36' LONG ALONG WITH ONE 33 KV CROSS ARMS (CHANNEL) ONE TOP HAMPER & 48 NOS. MS BOLTS WITH NUTS COMPLETE PACKAGE SPECIFICATION NO. AVVNL/SE (MM)/TN-1098.**

LAST DATE & TIME FOR ONLINE SUBMISSION OF ELECTRONIC BID	:	08.02.2017 (Up to 5.00 PM)
DATE & TIME OF ONLINE OPENING OF TECHNICAL BID	:	09.02.2017 (AT 2.30 PM)
RISL PROCESSING FEE (NON REFUNDABLE)	:	Rs. 1000/-
COST OF SPECIFICATION (NON REFUNDABLE)	:	Rs 2500/-
VALIDITY	:	Minimum 120 days from the next date of opening of Techno-Commercial Bid
EARNEST MONEY	:	Rs. 2,00,000/- (Rs. Two lacs only) or Exemption Certificate or Vender Registration of Class "A" category or above
TENDERING QUANTITY	:	42' long- 2000 36' Long- 1200
CONTACT PERSON (AUTHORISED BID SIGNATORY)	1	Superintending Engineer (MM) AVVNL, Ajmer
CORRESPONDENCE ADDRESS:		New Vidyut Bhawan, Makarwali Road, Panchsheel Nagar, Ajmer 305 004.
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WEBSITE & E-MAIL:		1. Web: <a href="http://www.avvnl.com">www.avvnl.com</a> Email: <a href="mailto:semmajmer@gmail.com">semmajmer@gmail.com</a> 2. Web: <a href="http://risl.rajasthan.gov.in">http://risl.rajasthan.gov.in</a> , Email: <a href="mailto:info.risl@rajasthan.gov.in">info.risl@rajasthan.gov.in</a>
Address of RISL:- Raj COMP Info Services Limited (RISL) 1 <sup>st</sup> Floor, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur (Rajasthan) Phone: 0141- 5103902, 4031900 Fax: 0141-2228701 Web: <a href="http://risl.rajasthan.gov.in">http://risl.rajasthan.gov.in</a> , Email: <a href="mailto:info.risl@rajasthan.gov.in">info.risl@rajasthan.gov.in</a>		

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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 document be downloaded from AVVNL website [www.avvnl.com](http://www.avvnl.com) & RISL Website: <http://risl.rajasthan.gov.in>. No hard copy of the bidding documents will be provided to the bidders through this office. In case of any discrepancy found in bidding documents downloaded from the website and appended with the bid (as a bid document) and original copy of such document available in the office of Superintending Engineer (MM), Ajmer Discom, Ajmer then the copy available with Superintending Engineer (MM), Ajmer Discom, Ajmer will be considered as final document for all purpose. The cost of bid document as published in NIT shall be furnished along with downloaded bid document in the manner prescribed in bid document.

### SECTION-III

**TECHNICAL SPECIFICATION FOR SUPPLY OF (i) 33 KV DOUBLE CIRCUIT UNGALVANIZED STEEL LATTICE STRUCTURE 42' LONG ALONG WITH 3 NOS. 33 KV CROSS ARMS (CHANNEL) & 48 NOS. M. S. BOLT WITH NUTS COMPLETE PACKAGE (i) 33 KV SINGLE CIRCUIT UNGALVANISED STEEL LATTICE STRUCTURES 36' LONG ALONG WITH ONE 33 KV CROSS ARMS (CHANNEL) ONE TOP HAMPER & 48 NOS. MS BOLTS WITH NUTS COMPLETE PACKAGE SPECIFICATION NO. AVVNL/SE (MM)/TN-1098.**

#### 1. SCOPE

This specification covers fabrication, testing & delivery of fabricated steel items as a complete package, complete in all respect as per GTP/Drawings (to be provided by the purchaser to the successful bidder). The steel sections generally used, tentative unit weight & BOM of fabricated item is enclosed at Schedule-I. The final bill of material for the purpose of payment shall be prepared and submitted by the supplier after approval of model assembly by the purchaser.

#### 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 approximate quantities required of finished fabricated steel items are indicated in the Schedule-I (schedule of requirement along with approximate weight).

The quantities mentioned in the schedule of requirement (Schedule-I) are provisional. However, the net quantity shall be determined later-on at the time of finalization of the tender. The purchaser reserves the right to increase or decrease the tendered quantity/weight of structure. The purchaser also reserves the right to split the quantity and to entrust the order for the supply on one or more Suppliers. The bidder shall agree to supply part quantity ordered on him at the rates/ prices mentioned in the tender or accepted by the purchaser.

#### 4. DELIVERY

The bidder is required to quote bimonthly delivery. The delivery of quoted quantity should be completed in eight months period excluding commencement period of one month. In case ordered quantity is different than quoted quantity, then monthly delivery

shall be adjusted proportionately. Tenders in which bimonthly delivery schedule is not indicated shall be ignored.

## **5. STANDARDS:**

All materials and equipments shall comply in all respect to the requirements of the latest edition of the relevant Indian Standard Specification(s) except so far as modified in this specification. Where the relevant ISS is not available, the material / equipment should comply the latest BSS. All the item should be made / fabricated / tested from steel sections conforming to IS:2062 (latest amendments)

## **6. FINANCIAL RESOURCES AND EXPERIENCE:**

The bidder shall furnish the details regarding his previous experience in performing same or similar comparable work, the technical strength and manufacturing facilities available and also financial capability along with the tender. The bidder is also required to furnish the following information.

- a. Standing of the firm as manufacturer/Supplier
- b. Approximate qty, fabricated so far at his works on monthly basis.
- c. Testing facilities available at his works..

## **7. MATERIAL:**

The supplier shall make his own arrangement for the procurement of steel sections before commencement of work. The purchaser shall be at liberty to have samples of steel used, tested/checked in any laboratory at his own cost and reject the supply, if it is below standard.

All the material required for the fabrication shall be stocked in adequate quantity by the supplier to ensure that the progress of the work is not jeopardized. No relaxation in the delivery time shall be allowed on the pretext of non- availability or short supply of raw materials.

## **8. WORKMANSHIP:**

The fabrication shall be done in such a way that there is a good finish of the fabricated structures. The steel structure shall be fabricated accurately adhering to dimensions as per the approved drawings. All the steel sections shall be carefully leveled/ straightened and made true to method which shall not injure the material so that when assembled the adjacent surface are in close contract through out. No rough edges shall be permitted anywhere throughout the work. Holes must be perfectly circular. The tolerance(s) as per drawing/ clause hereunder is permissible. All burrs left by drills or punches shall be removed completely. No bolts holes shall be more than 1.5 mm bigger than the corresponding bolt diameter.

In general all fabrication work shall conform to provision of IS-802 (part-I) 1978 latest amended. However the details given in this specification shall prevail in specified items. The overlapping of the M.S. Flat on M.S. Angle shall be minimum 30 mm.

The holes near the bend lines of absent member, on both sides of bent lines shall be punched/ drilled after bending and relative position of these holes, shall be maintained with the use of proper templates/jigs and fixtures.

Punched holes must be square to the plates and the wall of the holes parallel. The following maximum tolerance of accuracy of punched holes is permissible.

- a) Holes must be perfectly circular and no tolerance in this respect is permissible.
- b) The maximum allowable difference in diameter of the holes on the two sides of plates or angle is 0.8mm i.e. the allowable taper in punched holes should not exceed 0.8 mm on diameter.
- c) Holes must be square with the plates or angles and slant holes will not be permitted.

All burrs left by drills or punches shall be removed completely. Drifting or riming to enlarge defective holes shall not be permitted. Minimum edges distance from the centre of any bolt holes shall not be less than what has been indicated hereunder :-

Dia of bolts in mm	Minimu flange width of sec. tion in mm	min.rolled edge distance in mm	Min sheared edge distance in mm
16	45	20	23

**9. DRAWING & MODEL ASSEMBLY:**

3 sets of drawing shall be furnished by the successful bidder based on AVVNL drawing for according approval of the purchaser before commencement as per clause No.1.12.1 of GCC (Section-II).

The Supplier shall offer one set of model assembly (proto type) for the respective structure as per the drawings provided to him for checking/ approval of the purchaser before commencement of supplies. The firm who have already supplied same item under previous TNs in any Discom (Jaipur, Ajmer & Jodhpur) during last three years from the date of opening of Techno- Commercial Bid shall be exempted from approval of model assembly.

In case any deviation is detected, during the process of preparing the model assembly, the Supplier shall intimate the purchaser or his authorized representative at the time of inspection of model assembly. The final bill of material shall be as per approved bill of material.

**After inspection and checking of the model assembly of the lattice structure shall be type tested for radiography inspection (X-rays) of welding and shall be witness by the officer or type testing shall be arranged at independent/ NABL accredited lab or CPRI/Govt. approved lab.**

The Supplier shall take-up the mass fabrication of the structure(s) only after the purchaser has approved the model assembly along with bill of material.

Any period taken beyond 30 days for approval of model assembly shall be to bidders account. No extra time shall be allowed in commencement period in getting the prototype approval.

**10. MARKING**

Each individual structure / brackets shall carry a code number conforming to component number given to it in the fabrication drawing / Bill of material. The code number of approved size shall be stamped with a metal die of 16 mm size on the member and shall be legible. The name of manufacturers in suitable code and the word “AVVNL” & “TN No.” shall also be stamped / punched on each individual section with metal die of not less than 16 mm size.

If the above marking is not found on the material received in the stores, the receipted challan shall not be given by the concerned stores. The challan shall only be issued after verification of material by the Store officer.

#### 11. **INSPECTION, TESTING & CHECKING:**

The finished product before acceptance shall be subject to inspection in respect of workmanship, checking of dimension/weight & testing as per requirement of relevant IS:2062 (latest amended), approved drawings and bill of material, at the suppliers works if not supported by test certificates of main producers viz. SAIL/TISCO/RINL. The certificate for type test (chemical composition & mechanical properties test) issued by prime producer(s) shall be furnished along with the inspection call to the CE (MM), otherwise testing shall be arranged at independent Lab on the cost of supplier. The certificate and relevant invoices shall be in the name of the firm on whom the order is placed by the Nigam. **In case bidder use the steel sections manufactured by prime producers then the inspecting officer shall verify and record in the inspection report regarding stamping and mark of prime producers.** The certificate(s) in the name of other parties/ sources shall not be accepted and in such cases the tests for chemical and mechanical properties shall have to be arranged in the presence of inspecting officer(s) at recognized lab.

The supplier shall present the latest Calibration Certificate(s) of testing instruments/equipments to be used for the testing of the material covered in the purchase order to the authorized inspecting officer/inspecting agency of the purchaser. The testing instruments/ meters/ apparatus etc. should be got calibrated by the supplier from time to time from independent test laboratory/ house having valid accreditation from National/ Accreditation Board for testing and calibrating laboratories for testing equipments/ original manufacturer having trace ability to NABL/NPL or equivalent.

The calibration certificate(s) should not in any case be older than one year at the time of presenting the same to the inspecting officer/inspecting agency of the purchaser. The testing instruments/equipments should be duly sealed by the Calibrating agency and be indicated in the calibration certificate(s).

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

- (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.

#### 12. **TESTS**

Test before dispatch:- The various steel section/structure before dispatch shall be subject to following test as per IS:2062( latest amendment) at the manufacturer's works Routine test/acceptance test

- (i) Dimensional checking and visual inspection
- (ii) Weight checking
- (iii) Chemical composition test
- (iv) Mechanical property test
- (v) Checking of welding

**13. SAMPLING:**

The inspection shall be carried out on each lot separately. The following number of pieces selected at random shall be subject to inspection/ testing and checking.

- |    |                                    |   |  |
|----|------------------------------------|---|--|
| a) | Workmanship and dimension checking | : | 3 % samples from finished item.  |
| b) | Chemical test                      | : | One sample of each steel section from the entire lot of material offered for inspection. |
| c) | Tensile test                       | : | One sample of each steel section from every 50 MT or Part thereof.                       |
| d) | Bend test                          | : | One sample of each steel section from every 50 MT or Part thereof.                       |

**14. TOLERANCE IN DIMENSIONS:**

The tolerance(s) shall be permissible as per IS: 1852-1985 (latest amended). Further the following tolerance(s) on fabricated items will also be allowed.

- |      |  |  |               |
|------|--|--|---------------|
| i)   | Tolerance in overall length                          |  | ± 3mm         |
| ii)  | Tolerance in edge dimensions (centre of hole to end) |  | ±2mm          |
| iii) | Tolerance in hole centre                             |  | ±2mm          |
| iv)  | Circular holes                                       |  | No tolerance  |
| v)   | Weight Tolerance                                     |  | +2% to (-) 4% |

**15. GUARANTEED TECHNICAL PARTICULARS:**

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

**16. PACKING AND FORWARDING**

The finished items complete in all respect dully inspected and cleared for dispatch, shall have to be delivered in Nigam's stores located anywhere in Ajmer Discom by Road. Unloading of material at store(s) is Suppliers responsibility.

**17. CRITERIA FOR ACCEPTANCE**

The inspected material should be strictly in accordance to the GTP of the specification otherwise the material shall be treated as rejected and shall not be accepted.

**18. PRICES AND PRICE VARIATION**

The prices shall be quoted in Rs. per MT. The bidder shall quote the prices in Schedule-IV strictly in the manner prescribed in Clause No. 1.09 of section-I Instructions to bidders) and Clause No.1.33 of section-II (G.C.C).

The quoted price shall be variable as per Price Variation formula given in this specification at Schedule-II without any ceiling. The base date of price variation shall be 01.01.2017, and shall be governed as per clause No.1.10. of Instructions to bidders.

**19. WEIGHT**

The weight of structure shall mean the weight of structures calculated by using standard sectional weights of all steel structural members of the sizes indicated in the fabrication drawings and/or subsequently revised drawings and bill of material without taking into consideration the reduction in weight due to drilling of bolt-holes, skew cuts, chamfering etc. or the increase in weight due to galvanization.

The material shall be acceptable if found within permissible tolerance limit i.e. +2% and (-) 4%.

**20. PAYMENT**

Payment for the supplied material shall be made as per the actual weight or weight as per BOM whichever is less. No payment shall be made for excess weight, but in case the weight is observed within permissible negative tolerance, the payment shall be made on actual weight basis, verified by consignee(s) in the store, accordingly. Payment shall be governed in accordance with the clause No.1.42 of GCC

**21. QUANTITY TOLERANCE**

A quantity tolerance of  $\pm 2\%$  (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.

**24. DEPARTURE FROM SPECIFICATION**

Technical deviation including GTP and commercial deviation including delivery if any shall be mentioned in schedule-VI-A & Schedule-VI-B “departure from specification” attached with this specification. Mentioning of such deviations elsewhere in the offer will not be considered as deviation. The printed terms and conditions of sales and other if any attached with the offer will not be considered.

Any item not covered under the above technical specification shall be governed as per section-II (GCC).



**Schedule-I**

**STATEMENT SHOWING THE REQUIREMENT OF COMPLETE PACKAGE OF 33 KV D/C UNGALVANIZED STEEL LATTICE STRUCTURE 42' LONG (WITH MATERIAL) ALONG WITH 3 NOS. 33 KV CROSS ARMS (CHANNEL) & 48 NOS. M. S. BOLT WITH NUTS(TN-1098).**

S.No.	Type of structure	Unit wt. in MT.	Provisional qty. in Nos./ sets	Total wt. in MT	Generally section invoice
A.	33 KV (D/C) Un-Galvanized steel lattice Structure (42' long)	0.508060	2000	1016.12	M.S. Angle 65x65x5 mm 75x75x6 mm 50x50x6 mm M.S. Flat 50x6 mm 50x10 mm
B	33 KV Cross Arm (Channel)	0.022179	6000	133.074	Channel 100x50 mm
C	M.S. Nuts & Bolts (M16x45N)	0.000133	96000	12.768	MS Rod of 16 mm
	<b>Total weight</b>			<b>1161.962</b>	

**STATEMENT SHOWING THE REQUIREMENT OF COMPLETE PACKAGE OF 33 KV S/C UNGALVANIZED STEEL LATTICE STRUCTURE 36' LONG (WITH MATERIAL) ALONG WITH 1 NOS. 33 KV CROSS ARMS (CHANNEL) & 48 NOS. M. S. BOLT WITH NUTS (TN-1098).**

S. No.	Type of Structure	Unit Wt. In MT	Provis. Qty. in Nos./Sets	Total Wt. of steel in MT	Generally section involved
A.	33 KV S/C Un-Galvanized steel lattice structure. (Normal Tower)	0.42119	1200	505.428	MS Angle 65 x 65 x 5 mm 50 x 50 x 6 mm MS Flat 50 x 6 mm 50 x 10 mm
B	33 KV Cross Arm (Channel)	0.022179	1200	26.6148	MS Channel 100 x 50
C	M.S. Nuts & Bolts (M16x45N)	0.000135	57600	7.776	MS Rod of 16 mm
	<b>Total Weight</b>			<b>539.8188</b>	

**BILL OF MATERIAL**  
**33 KV D/C LATTICE STRUCTURE 42' LONG AGAINST TN-1098**

Sr. No.	Item No.	Section	Length in MM	Qty. in Nos.	Sect. Wt. Kg. / M.	Total Weight Kg.
		<b>M. S. Angle</b>				
1	1	Legs 65 x 65 x 5 MM	6400	8	4.9	250.88
2	2	Belt 50 x 50 x 6 MM	470	4	4.5	8.46
3	3	Belt 50 x 50 x 6 MM	580	4	4.5	10.44
4	4	Belt 50 x 50 x 6 MM	640	4	4.5	11.52
5	5	Belt 50 x 50 x 6 MM	750	4	4.5	13.50
6		Belt 50 x 50 x 6 MM	810	4	4.5	14.58
7	6	Belt 50 x 50 x 6 MM	915	4	4.5	16.47
8	32	Butt Joint 75 x 75 x 6 MM	462	4	6.8	12.56
		<b>M. S. Flat</b>				
9	7	50 x 10 MM	285	2	3.93	2.24
			270	2	3.93	2.12
10	8	50 x 10 MM	350	2	3.93	2.75
11	9	50 x 10 MM	435	2	3.93	3.42
		<b>Bracing</b>				
12	10	M. S. Flat 50 x 6 MM	375	4	2.36	3.54
13	11	M. S. Flat 50 x 6 MM	415	4	2.36	3.92
14	12	M. S. Flat 50 x 6 MM	445	4	2.36	4.20
15	13	M. S. Flat 50 x 6 MM	470	4	2.36	4.44
16	14	M. S. Flat 50 x 6 MM	490	4	2.36	4.63
17	15	M. S. Flat 50 x 6 MM	515	4	2.36	4.86
18	16	M. S. Flat 50 x 6 MM	550	4	2.36	5.19
19	17	M. S. Flat 50 x 6 MM	575	4	2.36	5.43
20	18	M. S. Flat 50 x 6 MM	575	4	2.36	5.43
21	19	M. S. Flat 50 x 6 MM	660	4	2.36	6.23
22	20	M. S. Flat 50 x 6 MM	685	4	2.36	6.47
23	21	M. S. Flat 50 x 6 MM	720	4	2.36	6.80
24	22	M. S. Flat 50 x 6 MM	750	4	2.36	7.08
25	23	M. S. Flat 50 x 6 MM	850	4	2.36	8.02
26	24	M. S. Flat 50 x 6 MM	780	4	2.36	7.36
27	25	M. S. Flat 50 x 6 MM	910	4	2.36	8.59
28	26	M. S. Flat 50 x 6 MM	955	4	2.36	9.02
29	27	M. S. Flat 50 x 6 MM	1055	4	2.36	9.96
30	28	M. S. Flat 50 x 6 MM	1025	4	2.36	9.68
31	29	M. S. Flat 50 x 6 MM	1030	4	2.36	9.72
32	30	M. S. Flat 50 x 6 MM	1140	4	2.36	10.76
33	31	M. S. Flat 50 x 6 MM	1200	4	2.36	11.33
34	32	M. S. Flat 50 x 6 MM	462	4	2.36	4.36
35	33	M. S. Flat 50 x 6 MM	196	4	2.36	1.85
					<b>TOTAL</b>	<b>507.81</b>
		<b>33 KV Cross Arms Channel</b>				
		<b>(Unit Wt.)</b>				
36	34	M. S. Channel 100 x 50x6	2320	3	22.179	66.537
		(@ 22.179 Kg./Cross Arms)			Per unit	
37	35	M. S. Bolts with Nuts		48	0.135	6.48
		M 16 X 45 N	<b>Total wt. in kg.</b>			<b>580.827</b>

**BILL OF MATERIAL****33 KV S/C UNGALVANISED STEEL LATTICE STRUCTURE 36' LONG WITH ACCESSORIES WITH TOP HAMPERS NUTS & BOLTS AGAINST TN-1098**

Item No.	Section	Length of Members and Weight			
		Length MM	Qty. No.	Sect. Wt. Kg. / M.	Total Weight Kg.
1.	LEG L 50x50x6 MM	5500	8	4.5	198.00
2.	Belt L 50x50x6 MM	710	4	4.5	12.78
3.	Belt L 50x50x6 MM	645	4	4.5	11.61
4.	Belt L 50x50x6 MM	580	4	4.5	10.44
5.	Belt L 50x50x6 MM	505	4	4.5	9.09
6.	Belt L 50x50x6 MM	455	4	4.5	8.19
7.	Flat 50x10 MM	410	2	3.93	3.22
8.	Flat 50x10 MM	350	2	3.93	2.75
9.	Flat 50x10 MM	280	2	3.93	2.20
	Belt Flat 50x10 MM	265	2		2.08
10.	Bracing Flat 50x6 MM	470	4	2.36	4.44
11.	Bracing Flat 50x6 MM	475	4	2.36	4.48
12.	Bracing Flat 50x6 MM	535	4	2.36	5.05
13.	Bracing Flat 50x6 MM	535	4	2.36	5.05
14.	Bracing Flat 50x6 MM	535	4	2.36	5.05
15.	Bracing Flat 50x6 MM	550	4	2.36	5.19
16.	Bracing Flat 50x6 MM	585	4	2.36	5.52
17.	Bracing Flat 50x6 MM	660	4	2.36	6.23
18.	Bracing Flat 50x6 MM	665	4	2.36	6.27
19.	Bracing Flat 50x6 MM	705	4	2.36	6.65
20.	Bracing Flat 50x6 MM	850	4	2.36	8.02
21.	Bracing Flat 50x6 MM	860	4	2.36	8.12
22.	Bracing Flat 50x6 MM	875	4	2.36	8.26
23.	Bracing Flat 50x6 MM	960	4	2.36	9.06
24.	Bracing Flat 50x6 MM	960	4	2.36	9.06
25.	Bracing Flat 50x6 MM	960	4	2.36	9.06
26.	Bracing Flat 50x6 MM	1145	4	2.36	10.81
27.	Bracing Flat 50x6 MM	1150	4	2.36	10.86
28.	Belt Angle 50x50x6 MM	800	4	4.50	14.40
29.	Butt Joint L 65x65x5 MM	462	4	4.90	9.05
30.	Butt Joint Flat 50x6 MM	462	4	2.36	4.36
31.	Butt Joint Flat 50x6 MM	196	4	2.36	1.85
	<b>Wt. of Tower only</b>				<b>417.20</b>
32.	X-Arms Channel 100x50 MM	2320	1	9.56	22.18
33.	Top Hampers Flat 50x10 MM	1015	1	3.93	3.99
34.	MS Bolts & Nuts M 16x45		48	0.135	6.48
	<b>Total weight in Kg.</b>				<b>449.85</b>

**SCHEDULE-II****PRICE & PRICE VARIATION FORMULA**

The bidder shall quote the rates in **Rs. per MT**, on variable price basis for items as detailed at schedule-III of the specification. The price variation shall be calculated on the basis of formula detailed below :

$$P = P_o (0.11 + 0.66 (SBIR/ SBIR_0) + 0.23 (L/L_0))$$

where :

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

P<sub>o</sub>= Price quoted/confirmed

SBIR= Price of Steel Billets-Retail ( as published by IEEMA).

This price is as applicable on the 1st working day of the month, Two months prior to the date of delivery.

SBIR<sub>0</sub>= Price of Steel Billets-Retail ( as published by IEEMA).

This price is as applicable on the 1st working day of the month, One month prior to the date of tendering.

L= All India Average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India(base 2001= 100). This index number is as applicable on the first working day of the month, 4 months prior to the date of delivery.

L<sub>o</sub>= All India Average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India(base 2001= 100). This index number is as applicable on the first working day of the month, 3 months prior to the date of tendering.

**The base date of price variation shall be 01.01.2017, and shall be governed as per clause No.1.10. of Instructions to bidders.**

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

The material shall comply with the relevant provisions made in the following Indian standards Specification (now BIS) with latest amendments.

- |   |                               |                             |
|---|-------------------------------|-----------------------------|
| 1 | IS:2062: (Latest amended)     | Method of testing           |
| 2 | IS:1852/1973 (Latest amended) | Rolling & cutting Tolerance |

All materials and sections shall comply in all respect with the requirement of latest addition of relevant Indian Standard Specification except as modified in this Specification. Where the relevant ISS is not available, the material / sections should comply with the latest BSS. All the item should be made/ fabricated from steel sections conforming to IS:2062 / 1999 (latest amended). Rolling and cutting tolerances for hot rolled steel products shall be governed as per IS:1852 / 1985 (latest amended).

**SCHEDULE-III-A****PRE-QUALIFICATION REQUIREMENT**

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

**1.0 STATUS OF BIDDER:-**

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

**2.0 PAST SUPPLY & PERFORMANCE CRITERIA :-**

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

**2.01 PAST SUPPLY:-**

- 2.01.1 The bidder is required to quote for minimum 10% of tendered quantity failing which their offer may be considered Non-Responsive.
- 2.01.2 The bidder should have designed, manufactured / fabricated, tested and supplied to Licensed Power Utility / Discoms / Govt. Departments at least 2 X QQ (QQ being the quoted quantity) of similar item / higher rating of tendered material / equipment in last 3 financial years from the date of opening of technical-commercial bid.
- 2.01.3 For assessment of past supplies (2QQ), the similar item/higher rating of tendered material/equipment shall cover all type of welded & non welded fabricated steel items i.e. 33/11 KV Sub-station structures(Urban)/ (Rural), sub-station structure for mounting of single phase and three phase distribution transformers of different ratings, 33 and 11 KV Cross Arms(channel/ angle) with Top hampers & clamps, Lattice structures, 33 & 11 KV Line DP sets, LT brackets(1200 mm and 600 mm), MS channel brackets 1.4 metre / 1.8 metre, stay clamps suitable for 8 metre & 9 metre PCC poles, 2 Pole DT Structure , 4 Pole DT Structure etc.

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.

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

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

## 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.

**Schedule – IV**

	<b>AJMER VIDYUT VITRAN NIGAM LIMITED</b> <b>(MATERIAL MANAGEMENT WING)</b> <b>NEW VIDYUT BHAWAN, MAKARWALI ROAD, PANCHSHEEL NAGAR, AJMER 305 004.</b> <b>(TEL. 0145-2644529 FAX 0145-2644542.)</b>
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**(Must be filled in the BOQ)**

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

With reference to your invitation to bid against specification No.1098, we agree to supply at prices (variable) given as follows.

S. No.	Particulars of Material	Qty. offered In set/ MT	Unit Exworks Price (in Rs.) per MT	Excise duty (Per MT)		Freight (Per MT) (In Rs.)	Insurance (Per MT) (In Rs.)	CST/VAT on col. No. (4+6+7+8) (Per MT)		Total Price In Rs. (Per MT) Col. No. (4+6+8+10)	Entry Tax @ ___ % on Col. 11 (In Rs.) per MT	All adjusted unit F.O.R. Destination Price including Entry Tax Col. No.11+12	Total Contract Value (In Rs.)
				Rate	Amt.			Rate	Amt.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14

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.
- (vi) 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, en lesser of the two will be taken into account.

**Signature of bidder with rubber stamp**

**SCHEDULE-IV-A****Must be filled in by the tenderer and attach with technical bid (Part-I)****To,****The Superintending Engineer (MM),  
Ajmer Vidyut Vitran Nigam Limited,  
Ajmer.**

Dear Sir,

With reference to your invitation to tender against specification No. AVVNL/SE (MM)/Spec/TN-1098, 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
1.	33 KV (D/C) Lattice Structure (42'long) with 3 Nos. Cross Arm and Nut & Bolts	2000 Sets			
2.	33 KV (S/C) Lattice Structure (36'long) with 1 Nos. Cross Arm and Top Hamper Nut & Bolts	1200 Sets			

- The offer is valid for a minimum period of 120 days after the date of opening of this tender.
- The prices are variable with base date as on **01.01.2017**.
- It is noted that the quantities as mentioned in the specification are approximate and we agree to supply any quantity as per your requirement.
- The delivery shall strictly be in accordance with our delivery clause as given in Schedule-VII of this specification. In case we fail to deliver the material as indicated in the clause No. 1.23, we are liable to pay recovery for delay in delivery as per clause No. 1.24 of this Schedule-II of this specification.  
The material shall conform to your specification No. AVVNL/SE (MM)/Spec/TN-1098 and as per relevant ISS in all respect.
- We confirm that we agree to all the terms and conditions as well as the technical stipulations of your specification No. AVVNL/SE (MM)/Spec/TN-1098 and there are no deviations other than as specified in the Schedule-VI (A&B).

Yours faithfully,

Dated

Signature of tenderer  
With stamp

**SCHEDULE-V**  
(to be filled by the bidder)

**GUARANTEED & OTHER TECHNICAL PARTICULARS FOR 33 KV DOUBLE  
CIRCUIT UNGALVANIZED STEEL LATTICE STRUCTURE 42' LONG ALONG  
WITH 3 NOS. 33 KV CROSS ARMS (CHANNEL) & 48 NOS. M. S. BOLT WITH NUTS  
COMPLETE PACKAGE**

&

**33 KV SINGLE CIRCUIT UNGALVANISED STEEL LATTICE STRUCTURES 36'  
LONG ALONG WITH ONE 33 KV CROSS ARMS (CHANNEL) ONE TOP HAMPER &  
48 NOS. MS BOLTS WITH NUTS COMPLETE PACKAGE**

**A. GENERAL :**

1. Maker's Name :
2. Address for correspondence :
3. Address of Works :

**B. STANDARDS & SPECIFICATION:**

1. Dimension : As per approved drawing.
2. Testing
- a) Steel : As per IS:2062 (Latest amended). If no supported by test certificate of steel from main producers.

**C. TOLERANCE :**

- a) Steel : As per IS:1852-1973(Latest amended)
- b) Length : +/- 3 mm
- c) Edge dimensions : +/- 2 mm
- d) Hole centre : +/- 2 mm
- e) Weight tolerance : +2% to (-) 4%

**D) GUARANTEED WEIGHT OF STRUCTURE : As per BOM**

**E) Properties of steel (for class 'A')**

- (a) Chemical composition.
  - (i) Carbon % (Max.) : 0.23
  - (ii) Manganese % (Max.) : 1.50
  - (iii) Sulphur % (Max.) : 0.050
  - (iv) Phosphorus % (Max.) : 0.050
  - (v) Silicon % (Max.) : 0.40
  - (vi) C.E. % (Max.) : 0.42
- (b) Mechanical Properties :
 


UTS (Mpa) Min.	:	410
Y.S.(Mpa) Min.	:	240
E.L. (%) Min.	:	23

**F) Marking:- : Firm Code / AVVNL & TN No.**

Signature of Bidder

Name \_\_\_\_\_  
Designation \_\_\_\_\_  
Common authorized seal of Bidder

**Schedule – VI (A)**

	<p style="text-align: center;"><b>AJMER VIDYUT VITRAN NIGAM LIMITED</b> <b>(MATERIAL MANAGEMENT WING)</b> <b>NEW VIDYUT BHAWAN, MAKARWALI ROAD, PANCHSHEEL NAGAR,</b> <b>AJMER 305 004.</b> <b>(TEL. 0145-2644529 FAX 0145-2644542.)</b></p>
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**DEPARTURE/DEVIATION FROM TECHNICAL SPECIFICATION**

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

---

S.No. Main Deviations from Technical Specification.

---

---

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

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

**Schedule – VI (B)**

	<p style="text-align: center;"><b>AJMER VIDYUT VITRAN NIGAM LIMITED</b> <b>(MATERIAL MANAGEMENT WING)</b> <b>NEW VIDYUT BHAWAN, MAKARWALI ROAD, PANCHSHEEL NAGAR,</b> <b>AJMER 305 004.</b> <b>(TEL. 0145-2644529 FAX 0145-2644542.)</b></p>
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**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 Technical 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**

	<b>AJMER VIDYUT VITRAN NIGAM LIMITED</b> <b>(MATERIAL MANAGEMENT WING)</b> <b>NEW VIDYUT BHAWAN, MAKARWALI ROAD, PANCHSHEEL NAGAR,</b> <b>AJMER 305 004.</b> <b>(TEL. 0145-2644529 FAX 0145-2644542.)</b>
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**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 to be mentioned (Qty. in M.T.)	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 AVVNL, Ajmer other State Electricity Boards and other Departments /Organizations.

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



**Schedule-VII-A****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.


Signature

Signature

Name & designation  
With seal of the Bidder

C.A. of firm  
With seal & Membership No

**SCHEDULE-VIII**

	<b>AJMER VIDYUT VITRAN NIGAM LIMITED</b> <b>(MATERIAL MANAGEMENT WING)</b> <b>NEW VIDYUT BHAWAN, MAKARWALI ROAD, PANCHSHEEL NAGAR,</b> <b>AJMER 305 004.</b> <b>(TEL. 0145-2644529 FAX 0145-2644542.)</b>
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**DELIVERY SCHEDULE****PART-A**

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

S.No.	Particular of material	Delivery
1	33 KV DOUBLE CIRCUIT UNGALVANIZED STEEL LATTICE STRUCTURE 42' LONG ALONG WITH 3 NOS. 33 KV CROSS ARMS (CHANNEL) & 48 NOS. M. S. BOLT WITH NUTS COMPLETE PACKAGE	The bidder is required to quote bimonthly delivery. Commencement period shall be 30 days from the date of receipt of purchase order and entire supply shall be completed in 8 months at equal bimonthly rate thereafter.
2	33 KV SINGLE CIRCUIT UNGALVANISED STEEL LATTICE STRUCTURES 36' LONG ALONG WITH ONE 33 KV CROSS ARMS (CHANNEL) ONE TOP HAMPER & 48 NOS. MS BOLTS WITH NUTS COMPLETE PACKAGE	

**Note: - In case ordered quantity is different than quoted quantity, then bimonthly delivery shall be adjusted proportionately. Tenders in which bimonthly delivery schedule is not indicated shall be ignored.**

**PART-B**

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


S.No.	Particular of material	Commencement period	Rate of supply per bimonth	Period for completion of delivery of entire material
1	33 KV DOUBLE CIRCUIT UNGALVANIZED STEEL LATTICE STRUCTURE 42' LONG ALONG WITH 3 NOS. 33 KV CROSS ARMS (CHANNEL) & 48 NOS. M. S. BOLT WITH NUTS COMPLETE PACKAGE			
2	33 KV SINGLE CIRCUIT UNGALVANISED STEEL LATTICE STRUCTURES 36' LONG ALONG WITH ONE 33 KV CROSS ARMS (CHANNEL) ONE TOP HAMPER & 48 NOS. MS BOLTS WITH NUTS COMPLETE PACKAGE			

Note:- (i) During the commencement period, the approval of drawing, B.O.M. and model assembly shall be got completed.

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

**Signature**  
**Name & Designation**  
With seal of the tenderer

**Schedule – IX**

	<p style="text-align: center;"><b>AJMER VIDYUT VITRAN NIGAM LIMITED</b>  <b>(MATERIAL MANAGEMENT WING)</b>  <b>NEW VIDYUT BHAWAN, MAKARWALI ROAD, PANCHSHEEL NAGAR,</b>  <b>AJMER 305 004.</b>  <b>(TEL. 0145-2644529 FAX 0145-2644542.)</b></p>
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**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 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.

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

**Schedule-X****GENERAL PARTICULARS ABOUT THE TENDER IN BRIEF**

	<b>AJMER VIDYUT VITRAN NIGAM LIMITED</b> <b>(MATERIAL MANAGEMENT WING)</b> <b>NEW VIDYUT BHAWAN, MAKARWALI ROAD, PANCHSHEEL NAGAR,</b> <b>AJMER 305 004.</b> <b>(TEL. 0145-2644529 FAX 0145-2644542.)</b>
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**TECHNICAL SPECIFICATION FOR SUPPLY OF (i) 33 KV DOUBLE CIRCUIT UNGALVANIZED STEEL LATTICE STRUCTURE 42' LONG ALONG WITH 3 NOS. 33 KV CROSS ARMS (CHANNEL) & 48 NOS. M. S. BOLT WITH NUTS COMPLETE PACKAGE (i) 33 KV SINGLE CIRCUIT UNGALVANISED STEEL LATTICE STRUCTURES 36' LONG ALONG WITH ONE 33 KV CROSS ARMS (CHANNEL) ONE TOP HAMPER & 48 NOS. MS BOLTS WITH NUTS COMPLETE PACKAGE SPECIFICATION NO. AVVNL/SE (MM)/TN-1098.**

LAST DATE & TIME FOR ONLINE SUBMISSION OF ELECTRONIC BID	:	08.02.2017 (Up to 5.00 PM)
DATE & TIME OF ONLINE OPENING OF TECHNICAL BID	:	09.02.2017 (AT 2.30 PM)
RISL PROCESSING FEE (NON REFUNDABLE)	:	Rs. 1000/-
COST OF SPECIFICATION (NON REFUNDABLE)	:	Rs 2500/-
VALIDITY	:	Minimum 120 days from the next date of opening of Techno-Commercial Bid
EARNEST MONEY	:	Rs. 2,00,000/- (Rs. Twoe lacs only) or Exemption Certificate or Vender Registration of Class "A" category or above
TENDERING QUANTITY	:	42' long- 2000 36' Long- 1200
CONTACT PERSON (AUTHORISED BID SIGNATORY)	1	Superintending Engineer (MM) AVVNL, Ajmer
CORRESPONDENCE ADDRESS:		New Vidyut Bhawan, Makarwali Road, Panchsheel Nagar, Ajmer 305 004.
MOBILE NO.		9414004258
TELEPHONE & FAX Nos.:		0145- 2644529/0145- 2644542
WEBSITE & E-MAIL:		1. Web: <a href="http://www.avvnl.com">www.avvnl.com</a> Email: <a href="mailto:semmavvnl@gmail.com">semmavvnl@gmail.com</a> 2. Web: <a href="http://risl.rajasthan.gov.in">http://risl.rajasthan.gov.in</a> , Email: <a href="mailto:info.risl@rajasthan.gov.in">info.risl@rajasthan.gov.in</a>
Address of RISL:- Raj COMP Info Services Limited (RISL) 1 <sup>st</sup> Floor, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur (Rajasthan) Phone: 0141- 5103902, 4031900 Fax: 0141-2228701 Web: <a href="http://risl.rajasthan.gov.in">http://risl.rajasthan.gov.in</a> , Email: <a href="mailto:info.risl@rajasthan.gov.in">info.risl@rajasthan.gov.in</a>		

**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](http://www.avvnl.com) or [www.http://eproc.rajasthan.gov.in](http://www.http://eproc.rajasthan.gov.in) and upload the tender on website of RISL [www.http://eproc.rajasthan.gov.in](http://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 Superintending Engineer (MM), Ajmer Discom, Ajmer then the copy available with Superintending Engineer (MM), Ajmer Discom, Ajmer will be considered as final document for all purpose. The cost of Bid document as published in NIT shall be furnished along with 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. Accounts officer (EA & Cash),, AVVNL, 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 RISL and Rs. 2500/- tender fees payable to “Sr. Accounts officer (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 RISL.  
**Second:** b) Content proof document of tender specification fee (i.e. Rs. 2500/-) payable to Sr. Accounts officer (EA & Cash), AVVNL 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. 9413391452/ 9413391454.