



JODHPUR VIDYUT VITARAN NIGAM LIMITED
(MATERIAL MANAGEMENT & CONTRACT)
NEW POWER HOUSE, INDUSTRIAL AREA, JODHPUR -342003
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Corporate Identity Number (CIN)-U40109RJ2000SGC016483 GST No. 08AAACJ8578R1ZJ

TENDER SPECIFICATION NO. JdVVNL/SE(MM&C)/EIIAI/TN-1527

Tenders are hereby invited in e-tender system for purchase of
HARDWARE FITTINGS FOR 11KV ,45 KN DISC INSULATOR `T&C' TYPE,
HARDWARE FITTINGS FOR 11KV ,45 KN DISC INSULATOR `B&S' TYPE.

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
1	HARDWARE FITTINGS FOR 11KV ,45 KN DISC INSULATOR `B&S' TYPE,	13000
2	HARDWARE FITTINGS FOR 11KV ,45 KN DISC INSULATOR `T&C' TYPE	300000

A	NIT No.	TN-1527		
B	Cost of tender specifications	Rs.2950.00 (Two Thousand Nine Hundred Fifty Only) (For MSME of Rajasthan Rs. 1475.00 (One Thousand Four Hundred Seventy Five)		
C	Processing fee of RISL	Rs.1000.00 (One Thousand Only)		
D	Bid security to be deposited			
		45 KN "B&S" Type	45 KN "T&C" Type	
		General Bidder :	Rs. 1,14,316.80	Rs. 6,22,920.00
		Sick Unit of Rajasthan:	Rs. 57,158.40	Rs. 3,11,460.00
	SSI unit of Rajasthan:	Rs. 28,579.20 *	Rs. 1,55,730.00	
E	Validity	120 days from the next date of opening of techno-commercial bid.		
F	Base date for price variation	1st day of one month prior to the date of opening of technical bid.		

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

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.

IMPORTANT DATES

S.N.	Events	Date & Time	Location
1	Date of downloading of tender specifications	Up to 25.03.2019 (06:00 PM)	www.jdvvnl.com & http://eproc.rajasthan.gov.in
2	Deposit of cost of Tender Specifications & Earnest Money and furnishing of Processing fee	Up to 25.03.2019 (04:00 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 26.03.2019 (12:00 PM)	http://eproc.rajasthan.gov.in
4	Opening of Technical Bid	26.03.2019 (03:00 PM)	http://eproc.rajasthan.gov.in
5.	Opening of Price Bid	To be intimated separately to the qualified bidders	http://eproc.rajasthan.gov.in

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1. Tender documents will be made available on e-Tendering portal 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 . 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 **up to 4.00 p.m. up to 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 is not in proper format / not confirmed by the issuing Bank the same would not be accepted and the bidder would be immediately sorted out from bid process.

SECTION-III

**TECHNICAL SPECIFICATIONS FOR
HARDWARE FITTINGS FOR 11KV ,45 KN DISC INSULATOR `T&C' TYPE,
TONGUE & CLEVIS TYPE
HARDWARE FITTINGS FOR 11KV, 45 KN DISC INSULATOR `B&S' TYPE BALL &
SOCKET TYPE
AGAINST TN-1527**

3.01 SCOPE :

3.01.1 This specification covers the design, manufacture, testing supply and delivery of hardware fittings suitable for 11 KV disc insulators tongue & clevis type & Ball & Socket Type for use on various 11 KV /33KV sub transmission lines . These fittings are to be designed as per drawing attached at Appendix-I (A) & I(C) { for T&C type } and I (B) & I(C) {For B&S type}

3.01.2 The technical specifications, contained herein, are for the guidance of the bidders. Any deviation from the Purchaser's specification will be considered on their relative merits in respect of performance, efficiency, durability and overall economy consistent with the requirements stipulated herein after. Such deviations shall be clearly entered by the bidder in the form as per schedule-VI of the specification.

3.02 STANDARD :

Hardware fittings for 11 KV disc insulators T&C & B&S type should conform to ISS:2486 (Part.I/1993), 2486 (Part.II) 1989, ISS:2486 Part.III / 1974 and ISS:2486(Part. IV), 1981.

3.03 GENERAL REQUIREMENT :

i) All forgings and castings shall be of good finish and free from flaws and other defects. The edges on the outside of fittings, such as at the eye clevis and holes, shall be rounded.

ii) All parts of different fittings which provide for inter connection shall be made such that sufficient clearance is provided at connection point to ensure free movement. All eye and clevis connections shall be free in this manner but care shall be taken that too much clearance between eye and tongues of the clevis is avoided.

iii) All ferrous fittings and the parts other than those of stainless steel, shall be hot dipped galvanized. Small fittings like spring washers, nuts etc. may be electro plated with zinc conforming to IS:1573:1970 Grade-4.

(iv) **MATERIAL :** The material of the fittings shall be so selected that yield strength of the material shall not be less than maximum working load.

All fittings except strain clamp shall be made of drop forged or upset forged steel (IS-2004/1978) and shall be hot dipped galvanised.

The strain clamp for aluminium AAC and ACSR Conductor shall be high strength Aluminium alloy (IS 6051/1970). The composition of the alloy shall be declared by the manufacturer giving reference to the relevant Indian Standard.

The cotter pins shall be provided with mild steel flat washers in addition to split pins. The split pin to be used on the cotter pin shall be of phosphors-bronze conforming to IS-7814/1975, stainless steel conforming to IS-5522/1992, or brass conforming to IS-410/1977 with a minimum hardness of 160 HV.

MATERIAL FOR :

S. N.	Description	Particulars
a)	Dead end straps.	Galvanised M.S.Twisted
b)	Strain bolts & nuts with spring washer	Galvanised M.S.
c)	Cotter pin.	Phosphorbronze/Brass/ stainless steel.
d)	Special envelope for bolted type clamp	Al.Alloy.
e)	Socket eye	Forged steel
f)	Ball eye	Forged Steel.
g)	Clevis ended strain clamp.	Aluminium alloy

(v) Weight of T&C & B&S type hardware fittings set shall be indicated in GTP as per details below :-

S. No.	Description	"T&C"	"B&S"
i)	Net weight per set in kg	1.250	3.350
ii)	Net weight of steel parts in Kg.	1.050	2.675
iii)	Net weight of Aluminium part per set in Kg.	0.200	0.675

3.04 TOUNGE AND CLEVIS TYPE HARDWARE:

Each T&C type hardware fitting set shall be completed in every respect and shall comprise of the following:

S. N.	Description	Particulars
i)	Dead end straps.(As per drawing attached)	One set.
ii)	Strain bolt with hexagonal nuts.	One No.
iii)	Spring washer	One No
iv)	Flat washer	One No.
v)	Cotter pin.	One No.
vi)	Split pin	One No
vii)	Clevis ended aluminium alloy clamps suitable for ACSR conductor 7/2.11 MM, 7/2.59 MM and 7/3.35 MM. The ultimate strength of clamps shall not be less than 3000 Kgs (As per drawing attached)	One No.

The T&C type fittings shall conform in all respect to drawing attached with the specification.(Appendix-I A&C)

3.05 CLEVIS AND TONGUE CONNECTION :

The dimension of the tongue and clevis type connection shall conform to Fig 25 of ISS 2486 (Part-2)/1989.

3.06 BALL AND SOCKET TYPE HARDWARES :

Each B&S type hardware fitting set shall be complete in every respect and shall comprise of the following :

S. N.	Description	Particulars
i)	Dead end straps.(As per drawing attached)	One set.
ii)	Strain bolt with hexagonal nuts.	One set.
iii)	Spring washer	One set.
iv)	Ball eye.	One set.
v)	Socket eye	One set.
vi)	Split pin	One set.
vii)	Flat washer	One set.
viii)	Cotter pin	One set.
ix)	Strain clamp of special envelope type made of aluminium alloy (Bolted type).	One set.
x)	Security clips (W.type) Split pin shall not be accepted.	One set.

The dead end straps or cross arms straps shall comprise of a pair of twisted straps, one strain bolt with one spring washer and hexagonal nut and split pin. The strap shall conformed to drawing attached.(Appendix-1C)

The material for the hardware fittings shall be such that it gives the required mechanical strength with specified dimensions. The aluminium alloy of the clamp shall conform to A-6 of IS:617 and shall be gravity die cast.

All nuts shall be made of material conforming to properly class 5 of IS:1367:1967 with regard to its mechanical properties. Cotter pins shall be made of forged steel conforming to Clause No. 2 of ISS:2004:1962,IS- 2004:1978.

For galvanising, zinc conforming to grade Zn-98 of IS:209/1966,IS 209/1979 shall be used.

The B&S type fittings shall conform in all respect to drawing attached with the specification.(Appendix-I B&1C)

3.07 GALVANISING :

The uniformity of zinc coating of hot dipped galvanised parts shall conform to IS:2633:1972 with latest amendments thereof, if any.

3.08 MARKING :

The clamps (aluminum portion) of each H/W fittings shall be provided with the following marking:

- a) Name of manufacturer or trade mark.
- b) Year of manufacture.

The packages containing fittings may also be marked with the standard mark, if available.

3.09 PACKING :

For packing double bags, one HDP bag (inner) and one gunny bag (outer) or double gunny bag shall be employed. The packing shall be fit to withstand rough handling during transit and storage at destination. The heads and threaded portions of the fittings shall be properly protected against damage. The gross weight of the packing shall not normally exceed 50 Kg. Different fittings shall be packed in different bags and shall be completed with their minor accessories fitted in place. All nuts shall be hand tightened over the bolts and screwed upto the farthest point.

3.10 DRAWINGS :

The Hardware fitting shall conform in all respects to drawing at Appendix-I A & IC for T&C type and Appendix IB & IC for B&S type Disc Insulators.

The bidder shall submit detailed drawing showing design and dimensions. The type of material used for various parts shall be clearly specified on the drawing.

3.11 TYPE TESTS :

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

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

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

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

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

However, in the following cases the bid of the bidder may be considered meeting the type test criteria if the bidder furnishes an undertaking stating that valid type test certificate from a Govt. / Govt. approved / Govt. recognized / NABL accredited / ILAC accredited laboratory shall be furnished from first lot (without asking any delivery extension) along with bank guarantee with the technical bid from a Nationalized / Scheduled Bank in prescribed proforma at Schedule-III B or DD/ Pay Order amounting to **Rs. 5,00,000/-** (for outside Rajasthan Based Bidder) / **Rs. 1,25000/-** (for Rajasthan Based Bidder). The initial validity of Bank Guarantee shall be nine months with claim period of three months in addition.

- i)Where a new Rajasthan based firm is participating & is technically competent.
- ii)Where one or more type test(s) is/ are older than 5 years.
- iii)Where Rajasthan/outside Rajasthan firm furnishes requisite type test reports of higher rating material.

3.12 ROUTINE AND ACCEPTANCE TESTS :

The material shall be subjected to all routine and acceptance tests specified in the latest edition of relevant IS, before dispatch. Such tests shall be witnessed by the inspecting officer from the purchaser's side.

3.13 INSPECTION & TESTING :

The inspection & testing shall be governed by relevant clause of General Conditions of Contract (Schedule-II).

3.14 TESTING FACILITIES :

The bidder must indicate clearly about the various testing facilities for type tests as well as routine/sample tests as per relevant ISS in respect of hardwares are available at the bidders works. In case no testing facilities are available at the bidders works, particulars of the place where such testing is proposed to be conducted during the course of inspection must be indicated.

3.15 DEVIATION FROM SPECIFICATION :

The technical specification contained in this section are for the guidance for the bidder. Any deviation from the purchaser's specification will be considered on their relative merits in respect of performance efficiency durability and overall economy consistent of the purchaser's requirements here in after stipulated. Such deviations shall be clearly entered by the bidder in the form as per Schedule-VI –A & B of the specification.

3.16 VERIFICATION OF DIMENSIONS :

The following tolerances are allowed on all dimensions to which special tolerances do not apply :

Dimensions	Tolerance
Upto and including 35 mm	(+/-) 0.7 mm
Over 35 mm	(+/-) 2%

3.17 QUANTITY :

The quantities indicated above are provisional and the purchaser, reserves the right to increase/decrease the same at the time of placing the order.

3.18 PRICES & PRICE VARIATION:

The prices quoted shall be variable as per price variation formula given in the specification **(Schedule-II)**. The IEEMA formula allowing price variation for transmission line accessories & hardware containing both aluminium & steel as under shall be applicable for hardware fittings **with base date 1st of one month prior to the date of opening of technical bid.**

$$P = \frac{Po}{100} (20 + 40 \frac{Al}{Al0} + 5 \frac{Zn}{Zn0} + 20 \frac{SBIR}{SBIR0} + 15 \frac{W}{Wo})$$

The details of this PV Clause are available at Schedule-II-A.

b) If the price variation formula is changed, the same shall be applicable for the price variation. During the transit period when both old and new indices are being circulated, then the admissible price variation shall be applicable, which is advantageous to NIGAM, and the period from which old indices are discontinued then the PV shall be admissible with the new indices.

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

3.19 DELIVERY SCHEDULE

The bidder is required to quote monthly delivery in Schedule-VIII. The delivery of quoted quantity should be **commenced after 30 days from the date of receipt of purchase order and shall be completed in 06 (Six) months thereafter at equal monthly installments**. In case ordered quantity is different than quoted quantity, then monthly delivery shall be adjusted proportionately. Bid in which monthly delivery schedule is not indicated shall be ignored.

The bidders are required to indicate the delivery schedule in the schedule attached with the Specification.

3.20 DELAY IN DELIVERY AND DISPATCH

Delay in delivery/dispatch and non supply of material and non fulfillment of contractual obligations at several stages shall be regulated /dealt as per Clause No.1.24 (a) (III) of General Condition of Contract (Section-II).

3.21 TEST CHECKING OF MATERIAL AT STORES

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

3.21.2 SAMPLING

One sample out of each sub-lot / lot consisting of following quantities or part thereof of hardware fittings for disc insulators from each inspected lot received in stores shall be selected for test checking of material and shall be got tested.

H/W fittings for 11 KV 45 KN Disc Insulator B&S type- 1000 Sets

H/W fittings for 11 KV 45 KN Disc Insulator T&C type- 3000 Sets

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

3.21.3 TESTS

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

- a) Visual Examination, Verification of Dimension, weight and marking Test
- b) Slip Strength Test.
- c) Ultimate Strength Test.
- d) Galvanisation (Uniformity) Test.

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

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

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

3.22 CRITERIA FOR ACCEPTANCE

3.22.1 Visual Examination, Verification of Dimension, weight and marking Test
As per specification/ ISS

3.22.2 Slip Strength test & Ultimate Strength Test :

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

3.22.3 **Galvanisation (Uniformity) Test.**

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

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

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

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

3.23 TEST CHARGES :

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

3.24 PAYMENT :

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

The Payment shall be governed in accordance with the clause No. 1.42 , 1.43 & 1.44 of GCC (Section-II)

3.25 QUANTITY TOLERANCE :

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

3.26. ADDITIONAL ORDER: Repeat orders for additional quantity, upto 50% of original ordered quantity may be placed by Nigam on the same rates, terms and conditions given in the contract, , if required by the Nigam.

4.0. GST:-

GST registration number of Jodhpur Discom is 08AAACJ8578R1ZJ.

As GST act has been implemented from 01.07.17, therefore, BOQ has been prepared accordingly with applicability of GST. Further, old tax structure wherever appearing in ITB, GCC, specification may be replaced by GST as per notification.

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

TN-1527

SCHEDULE - 1**SCHEDULE OF REQUIREMENT**

S.No.	Name of Item	Quantity
1	Tension hardware fittings suitable for 11KV, 45 KN Disc Insulator Ball & Socket type comprising of four pieces, having special, envelopes type aluminium alloy clamp, suitable for ACSR conductor having diameter 12.27 mm to 14.15 mm. The ultimate strength of clamps shall not be less than 4500 Kgs. The fittings shall conform to IS:2486/Pt.I/ IS:2486/Part.II/1984 and 1971 and IS:2486/Part.III/1976, IS:2486/Part.IV/1981 with the latest amendments thereof and drawing attached	13,000
2	Hardware fittings for 11KV 45 KN Disc Insulator Tongue & Clevis type having clevis ended aluminium alloy clamp suitable for ACSR conductor 7/2.59 mm weasel) and upto 7/3.35 mm (Rabbit). The ultimate strength of clamps shall not be less than 3000 Kgs. The fittings shall conform to IS:2486 /Pt.II/IS:2486/Part.IV with the latest amendments thereof and drawing attached	3,00,000

The above mentioned quantity is approximate and may increase or decrease as per the requirement of the Nigam.

SCHEDULE-II

IEEMA/PVC/TL-A&H/2001(R-3)

Effective from 1st April.2014

PRICE VARIATION CLAUSE FOR TRANSMISSION LINE ACCESSORIES AND HARDWARES.

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

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

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

$$P = \frac{P_o}{100} \left(20 + 40 \frac{Al}{Al_o} + 5 \frac{Zn}{Zn_o} + 20 \frac{SBIR}{SBIR_o} + 15 \frac{W}{W_o} \right)$$

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

$$P = \frac{P_o}{100} \left(20 + 65 \frac{Al}{Al_o} + 15 \frac{W}{W_o} \right)$$

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

$$P = \frac{P_o}{100} \left(20 + 58 \frac{SBIR}{SBIR_o} + 7 \frac{Zn}{Zn_o} + 15 \frac{W}{W_o} \right)$$

Wherein:

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

P_o = Price quoted/confirmed.

Al_o = Price of EC grade aluminium ingots (refer notes) .

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

Zn_o = Price of electrolytic high grade zinc (refer notes).

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

SBIR_o = Price of Steel Billet-Retail (refer notes)

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

W_o = 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, **Three** months prior to the date of tendering.

For example, if the date of tendering falls in Oct,2008, the applicable price of Aluminum (Al_o), Zinc (Zn_o) and Billets 100 mm (SBIR_o) should be for the month Sept.,2008 and all India average consumer price index number (W_o) should be for the month of July,2008 .

The above prices and indices are as published by IEEMA vide Circular reference NO. IEEMA (PVC)/ TLA&H (R-2) / _ / _ prevailing as on 1st working day of the month i.e. one month prior to the date of tendering.

Al = Price of EC grade aluminium ingots. (refer notes).

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

Zn = Price of electrolytic high grade zinc. (refer notes).

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

SBIR = Price of Steel Billets-Retail (refer notes).

This price is as applicable on the 1st working day of the month, **two** month prior to the date of delivery

W = All India Average Consumer Price Index number for Industrial Workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India. (Base 2001=100). This index number is as applicable on the first working day of the month, **four** months prior to the date of delivery.

For example, if the date of delivery falls in July,2009, the applicable price of Aluminum (Al), Zinc (Zn) and Billets 100 mm (SBIR) should be for the month May,09 and all India average consumer price index number (W) should be for the month of Mar.,2009.

BASE DATE : 1st day of one month prior to the date of opening of the technical bid

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

Notes:-

(A) All prices of raw materials are exclusive of GST.

(B) All prices are as on first working day of the month.

(C) The details of prices are as under:

NOTE: If the P.V. formula/indices is changed , the same shall be applicable for the price variation

SCHEDULE – III

TN-1527



JODHPUR VIDYUT VITRAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking
Prescribed technical specification for supply of
 (Name of Material/Equipment/Machinery/T&P etc.)

HARDWARE FITTINGS FOR 11KV ,45 KN DISC INSULATOR `T&C' & `B&S' TYPE

S.No.	Technical specification to which material/equipment/ Machinery/T&P shall conform	Name of IS/other standard specification to which material should conform	Other particulars if any.
1.	H/w fittings for 11 KV disc insulators	ISS:2486 (Part.I/1993), ISS:2486 (Part.II) 1989, ISS:2486 Part.III / 1974 ISS:2486(Part. IV), 1981	
2.	Small fittings like spring washers, nuts etc. may be electro plated with zinc	IS:1573:1970 Grade-4	
3.	All fittings except strain clamp shall be made of drop forged or upset forged steel	IS-2004/1978	
4.	The strain clamp for aluminium AAC and ACSR Conductor shall be high strength Aluminium alloy	IS 6051/1970	
5.	The split pin to be used on the cotter pin shall be of phosphors-bronze	IS-7814/1975	
6.	Stainless steel	IS-5522/1992	
7.	Brass	IS-410/1977	
8.	The aluminium alloy of the clamp	A-6 of IS:617	
9.	All nuts shall be made of material	IS:1367:1967 (Class-V)	
10.	Cotter pins shall be made of forged steel	ISS:2004:1962(cl.2) ISS:2004:1978.	
11.	For galvanising, zinc	Grade Zn-98 of IS:209/1966 IS 209/1979	
12.	The uniformity of zinc coating of hot dipped galvanised parts	IS:2633:1972 with latest amendments thereof, if any	

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

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

(Signature)
 Name & Designation
 with seal of the bid

SCHEDULE-III**PRE-QUALIFICATION REQUIREMENT****PRE-QUALIFICATION REQUIREMENT (PQR) FOR PURCHASE OF HARDWARE FITTINGS FOR 11KV ,45 KN DISC INSULATOR 'T&C' & 'B&S' TYPE, AS PER SPECIFICATION NO. JdVVNL /SE (MM&C) /EIIAII / TN-1527.**

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 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 utility / Discoms / Govt. Departments at least 2 X QQ (QQ being the quoted quantity) of similar item / higher rating of tendered material / equipment in last 3 financial years from the date of opening of technical-commercial bid.

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

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

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

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

2.02 **PERFORMANCE CRITERIA:-**

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

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

3.0 **TYPE TEST CRITERIA:-**

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

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

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

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

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

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

- i) Where a new Rajasthan based firm is participating & is technically competent.
- ii) Where one or more type test(s) is/ are older than 5 years.
- iii) Where Rajasthan/outside Rajasthan firm furnishes requisite type test reports of higher rating material.

Amount of Bank Guarantee in lieu of type test	
For Rajasthan based firms	For Outside Rajasthan based firms
Rs. 1,25,000/-	Rs. 5,00,000/-

The date of conducting type test shall be before the date of opening of Technical Bid. The date of issuing of type Test Bank Guarantee in lieu of non-furnishing of Type Test reports shall be before the date of opening of technical bid & the Type Test BG issued on or after opening of technical bid shall not be accepted.

4.0 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 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.

5.0 (A) Black listing of a firm:

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

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

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

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

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

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

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

Note :-4 A Black listed supplier (i) shall not be entitled for registration in any of the Discom (ii) shall not be awarded any supply order in future in any Discom during the notified period.(iii) his registration if any shall stand cancelled immediately and his registration security /EMD/S.D. shall stand forfeited. (iv) In case of blacklisting of the firm by any one of Discom for the cogent prescribed reason(s) as stipulated above, the same shall be applicable to all the three Discoms and as a consequence of blacklisting, all the pending orders to that firm, will be cancelled in all three (3) Discoms with immediate

effect. However in respect of completed/executed contract G.P. failed obligations as well as other liabilities shall be fulfilled by the supplier.

(B) Severement of Business relation:

(a) After having given Show Cause Notice of 30 days, and having established & cogent reasons for Severement 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. Severement 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. Severement 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 severement 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 severement 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 one year or next tender whichever is later.

Note:-1. 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 Discom purchases such debarment of a firm would be applicable to all three Discom for that particular item and rating/capacity/size etc.

6.0 APPEALS AND APPLICATIONS:-

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

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

I) The bidder shall clearly indicate the deviations such as 'Technical Deviation & Commercial Deviations' in the prescribed 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.

V) The date of conducting type test shall be before the date of opening of Technical Bid. The date of issuing of type Test Bank Guarantee in lieu of non-furnishing of Type Test reports shall be before the date of opening of technical bid & the Type Test BG issued on or after opening of technical bid shall not be accepted.

SCHEDULE – III B

BANK GUARANTEE IN LIEU OF FURNISHING OF TYPE TEST CERTIFICATE

(On Rajasthan Non-Judicial Stamp Paper worth Rs. @ 0.25% of BG amount or Rs. 25,000/-, whichever is less.)

To,

The Superintending Engineer (MM&C),
Jodhpur Vidyut Vitran Nigam Limited,
New Power House Premises,
Industrial Area,
Jodhpur -342003.

Dear Sir,

Whereas Jodhpur Vidyut Vitran Nigam Limited , Jodhpur (hereinafter called the purchaser) has issued a bid enquiry under TN..... for procurement of (Name of material) .

Whereas M/s (hereinafter called the bidder) has furnish a bid for supply of to The Superintending Engineer (MM&C), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur or his Nominated officer (s) .

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

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

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

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

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

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

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

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

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

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

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

IN WITNESS WHEREOF the bank has executed these presents the day month..... and year.....

Yours faithfully,

(Bankers)
Executant

Witness:

- 1.
- 2.

SCHEDULE-IV A

TN-1527

ITEM - HARDWARE FITTINGS FOR 11KV ,45 KN DISC INSULATOR `T&C' & `B&S' TYPE,**Must be filled in by the bidder and attached with Technical Bid**

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

Dear Sir,

With reference to your invitation to bid against specification No. **JdVVNL/SE (MM&C) /EIIAII/TN-1527**, we agree to supply the following quantity:

S. No.	Particulars of Items	Bid Quantity (Sets.)	Qty. Offered (Sets)	Justification of quantity offered as per Qualifying Requirement
1.	2.	3.	4.	5.
1	HARDWARE FITTINGS FOR 11KV ,45 KN DISC INSULATOR `B&S'	13,000		
2	HARDWARE FITTINGS FOR 11KV ,45 KN DISC INSULATOR `T&C'	3,00,000		

- The offer is valid for a period of 120 days from the next date of opening of Techno-Commercial Bid.
- The prices are variable with base date **1st day of one month prior to the date of opening of technical bid.**
- It is noted that the quantity as mentioned in the specification are approximate and we agree to supply any quantity as per your requirement.
- The delivery shall strictly be in accordance with our delivery schedule as given in Schedule – VIII of this specification. In case we fail to deliver the materials as indicated in the clause No.1.23 of GCC (Schedule-II), we are liable to pay recovery for delay in delivery as per clause No.1.24 of this Schedule-II of this specification. The material shall conform to your specification No. **JdVVNL/SE(MM&C)/EIIAII/TN-1527** and as per relevant ISS in all respect.
- We confirm that we agree to all the terms & conditions as well as the technical stipulation of your specification No. **JdVVNL/SE(MM&C)/EIIAII/TN-1527** and there are no deviations other than as specified in the Schedule-III, V & VI (A & B).

Yours faithfully,

**Signature of bidder
with stamp
Dated**

SCHEDULE – V
TN-1527**JODHPUR VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking**

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

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

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

S.No.	Particulars of technical & other Performance data	Reasons for deviations/departure.
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(Signature)

Name & Designation
 with seal of the bidder.

TN-1527

SCHEDULE-V-A**GUARANTEED TECHNICAL AND OTHER PARTICULARS OF
H/W FITTINGS FOR 11KV 45KN DISC INSULATORS 'T&C' TYPE**

S. No.	Description	Particulars
1. i)	Manufacturer's name and address.	
ii)	Place of manufacture.	
2.	Standard specification to which	
i)	Hardware fittings shall conform.	ISS:2486/Pt.I/1993, 2486/Pt. II/1989, IS:1971 & IS:2486 Pt. III/1976 IS:2486 Part.IV/1981 with latest amendments.
ii)	Galvanisation shall conform.	IS:2633/1972
iii)	Dimension shall conform.	Fig. 26 of IS:2486/ Part.II/1974 and as per approved drawings.
3.	Breaking strength of the clamp.	3000Kgs
4.	Slipping strength of the clamp.	90% of UTS of conductor.
5.	Material for	
a)	Dead end straps	MS hot dip galvanised.
b)	Strain bolts	MS hot dip galvanized
	Hexogonal nut	MS hot dip galvanized
c)	Spring washer	Spring steel electro plating
d)	Flat washer	Mild steel electro plating.
e)	Cotter pin	MS(Forged)hotdip galvanized
f)	Clevis ended strain clamp	Aluminium alloy.
6.	Marking :	i) Name of Manufacturer or trade mark. ii)Year of manufacturer to be filled by bidder
7.	Packing details.	
i)	Net weight per set in Kg.	1.250
ii)	Weight of steel parts per set in Kg.	1.050
iii)	Weight of Al. parts per set in Kg	0.200
iv)	Type of packing	As per spec.
v)	Contents of each package	
vi)	Gross weight of each package.	Less than 50 Kg.
8.	Verification of dimension	As per IS:2486/Part.I/1993 and latest amendments. The following tolerances are allowed on all dimensions Dimension Tolerance. Upto & including 35 mm (+/-)0.7 mm over 35 mm(+/-) 2%
9.	ISI certification mark, if any	
10.	Drawing to which the material shall conform.	As per spec.
11.	Any additional information which the bidder may to furnish	

Signature, Name & Desg. with seal of firm.

SCHEDULE-V (B)**GUARANTEED TECHNICAL AND OTHER PARTICULARS OF H/W FITTINGS
FOR 11KV, 45 KN DISC INSULATORS 'B&S' TYPE**

S. No.	Description	Particulars
1. i)	Manufacturer's name and address.	
ii)	Place of manufacture.	
2.	Standard specification to which	
i)	Hardware fittings shall conform..	ISS:2486/Pt.I/1993, 2486/Pt. II/1989, IS:1971 & IS:2486 Pt. III/1976 IS:2486 Part.IV/1981 with latest amendments.
ii)	Galvanisation shall conform.	IS:2633/1972
iii)	Dimension shall conform.	Fig. 26 of IS:2486/ Part.II/1974 and as per approved drawings.
3.	Breaking strength of the clamp.	4500 Kgs
4.	Slipping strength of the clamp.	90% of UTS of conductor.
5.	Material for	
a)	Dead end straps	MS hot dip galvanised.
b)	Strain bolts	MS hot dip galvanized
	Hexagonal nut	MS hot dip galvanized
c)	Spring washer	Spring steel electro plating
d)	Flat washer	Mild steel electro plating.
e)	Cotter pin	MS(Forged)hot dip galvanized
f)	Clevis ended strain clamp	Forged steel.
g)	Socket eye.	Forged steel.
h)	Ball eye	Forged steel.
6.	Packing details.	
i)	Net weight per set in Kg.	3.350
ii)	Weight of steel parts per set in Kg.	2.675
iii)	Weight of Al. parts per set in Kg	0.675
iv)	Type of packing	As per spec.
v)	Contents of each package	
vi)	Gross weight of each package.	Less than 50 Kg.
7.	Verification of dimension	As per IS:2486/Part.I/1993 and latest amendments. The following tolerances are allowed on all dimensions Dimension Tolerance. Upto & including 35 mm (+/-) 0.7 mm over 35 mm(+/-) 2%
8.	ISI certification mark, if any.	
9.	Drawing to which the material shall conform.	As per spec.
10.	Any additional information which the bidder may to furnish.	
11.	Marking :	i) Name of Manufacturer or trade mark. ii)Year of manufacturer to be filled by bidder

Signature, Name & Desg. with seal of firm.

SCHEDULE – VI (A)
TN-1527



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:-

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)
TN-1527



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:-

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
TN-1527****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 Sets	Order No. & Date	Name & details of purchasing authority	Date of Completion
1	2	3	4	5	6

If executed partially be mentioned (Qty. in Sets.)	whether still to be executed	Delivery stipulated in order	Remarks to
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 /Organizations.

(Signature)

Name & Designation
with seal of the bidder.

SCHEDULE-VIIIA
TN-1527**TO WHOMSOEVER IT MAY CONCERN**

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

S.No	Financial year in which material supplied	Detailed Particulars of item(s) supplied	Name and particulars of purchasing authority	Order No. & date against which item(s) supplied	Unit	Ordered		Actual Supplied up to		Remarks
						Quantity	Value (Rs)	Quantity	Value (Rs)	
1	2	3	4	5	6	7	8	9	10	11

Signature
With Seal of the Bidder

Signature of C.A
Name & Designation
Name :
Address:

Date _____
Place _____

Membership No:

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

CA Firm (_____)

NOTE- AN UNDERTAKING FOR THE SAME BE FURNISHED AS DETAILED IN ANNEXURE-I

Note:- The CA Certificate should be furnished on the letter head of CA and 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 C.A. certificate. In case C.A. certificate is not signed by the bidder/furnished without membership No. & address of C.A. then same may not be considered for which responsibility rests with the bidder.

SCHEDULE-VIII
TN-1527**JODHPUR VIDYUT VITRAN NIGAM LIMITED****DELIVERY SCHEDULE****PART - A**

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

S.N	Particular Of Material	Commencement Period	Rate of Supply per Month	Period for Completion of delivery of Entire material
1.	HARDWARE FITTINGS FOR 11KV ,45 KN DISC INSULATOR `B&S`	After 30 Days from the date of receipt of P.O	In equal monthly installment	06(Six) Months thereafter
2	HARDWARE FITTINGS FOR 11KV ,45 KN DISC INSULATOR `T&C`	After 30 Days from the date of receipt of P.O	In equal monthly installment	06(Six) Months thereafter

Note – In case ordered quantity is different than quoted quantity, then monthly delivery shall be adjusted proportionately. **Tenders in which monthly delivery schedule as above is not indicated, shall be considered as NON-RESPONSIVE.**

PART - B

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

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

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

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

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

SCHEDULE - IX
TN-1527**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 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

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 favor of Superintending Engineer (MM&C), JDVVNL, Jodhpur, **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 is 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.

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 taken **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/DBG, 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., ITB and other bidding document 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 efforts to make payment to the contractor / supplier generally on **45th 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 above 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 Vitran 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.

Appendix-B**IMPORTANT INSTRUCTION**

1. All the intending bidders are requested to submit hard copy of all the document(s), uploaded on the e-procurement web-portal, in a sealed envelop in the office of the SE (MM & C), JdVVNL, Jodhpur. This sealed envelop shall be opened on the same date of bid opening i.e. on website of e.proc.rajasthan.
2. **Bidders are requested to read the bid documents very carefully and upload their bid well in time. In the event of shortcoming in any tender document(s), the bid is likely to be rejected.**
3. At the time of accepting counter offer given or at the time of negotiation, bidders change the quantity of original offer & give the conditional acceptance of counter offer which is not in accordance with RTPP rules and Act therefore Negotiation with the bidders or counter offer given to bidder shall be accepted in terms of price only. Restriction on quantity to be supplied or any other conditional offer shall not be accepted. If any conditional offer is given then that bidder shall be treated for violation of the code of integrity in terms of sec 11 of RTPP Act and Rule 80 of RTPP Rules and action shall be taken against defaulter bidder in accordance with RTPP Rules and Act.
4. In case of bid security deposited, the firm deposits lesser security than the required amount, bid shall be rejected.
5. As per notification SO 165 issued by Fin. Dept. dt. 19.11.2015 on reference to RTPP rules, "clause 8(A)" bidding document shall be provided to MSME at 50% of prescribed cost.
6. RTPP Act 2012 & RTPP rules 2013 shall be applicable for the procurement process.
7. A declaration regarding debarment/blacklisting/code of integrity shall be given by bidder in Annx-'A' .

ANNEXURE-A**SELF ATTESTED UNDERTAKING TO BE GIVEN ON FIRM'S LETTER HEAD**

We, the undersigned declare that:

- 1. Our firm, its affiliates of subsidiaries including any subcontractor or suppliers for any part of the contract have not debarred by the state government or the procuring entity or a regulatory authority under any applicable law.**
- 2. We declare that we have complied with and shall continue to comply with the provision of the code of integrity including conflict of interest as specified for bidders in the RTPP Act 2012, RTPP Rules 2013 and the bidding document during the procurement process and execution of contract till completion of all our obligation under contract.**
3. I/We possess the necessary professional, technical, financial and managerial resources and competence required by the bidding document issued by the procuring entity.
4. I/We have fulfilled my/ our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the bidding document.
5. I/We are not insolvent, in receivership, bankrupt or being wound up, not have my/ our affairs administered by a court or a judicial officer, not have my/ our business activities suspended and not the subject of legal proceeding for any of the foregoing reasons.
6. I/We do not have, and our directors and officers not have, been convicted of any criminal offence related to my/ our professional conduct or the making of false statements or misrepresentations as to my/ our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings.
7. I/We do not have a conflict of interest as specified in the Act, Rules and the bidding document, which materially affects fair competition.

**Firm's Name
Seal & Signature**

ANNEXURE-I

**UNDERTAKING FOR CA CERTIFICATE (TO BE FURNISHED ON NON-JUDICIAL STAMP
WORTH Rs.100/- & DULY NOTARIZED)**

I/WE UNDERTAKE THAT THE CA CERTIFICATE SUBMITTED AS PER THE REQUIREMENT OF PRE-QUALIFICATION REQUIREMENTS, FOR ADJUDGING THE PAST SUPPLIES ,UNDER THE SUBJECT TENDER, TN-_____ , IS CORRECT AND I, UNDERSIGNED WILL BE SOLELY RESPONSIBLE FOR ANY DEVAITION/ DISCREPANCY/ IN-CORRECT INFORMATION , IF EVER NOTICED IN THE CA CERTIFICATE.

FURHER, IN CASE, IF ANY DEVAITION/DISCREPANCY/IN-CORRECT INFORMATION IS NOTICED IN THE CA CERTIFICATE FURNISHED WITH THE BID, AT ANY STAGE DURING PROCESSING/ CURRENCY OF TENDER, DISCOM CAN TAKE THE ACTION AGAINST THE FIRM M/s_____

_____AS PER THE RULES & REGULATIONS.

(SIGNATURE)
NAME & DESIGNATION
WITH SEAL OF THE BIDDER

ANNEXURE-II

Bidders are requested to furnish following details:

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