

**Two Part Bid**

JODHPUR VIDYUT VITARAN NIGAM LIMITED
OFFICE OF THE SUPERINTENDING ENGINEER (MM&C)
NEW POWER HOUSE, INDUSTRIAL AREA, JODHPUR –342 003
Corporate Identity Number (CIN)-U40109RJ2000SGC016483 GST No. 08AAACJ8578R1ZJ
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SPECIFICATION NO. JDVVNL/SE (MM&C)/TN-1811

Tenders are hereby invited in e-tender system for purchase of 33 KV Horn gap Fuse with post 2x24 kv insulators (un-assembled) are to be submitted online in electronic format on website <http://www.eproc.rajasthan.gov.in>. The details are as under-

S.No.	Name of Item	Quantity (In Sets)	Estimated unit F.O.R. destination price in Rs. /Set
1	33 KV Horn gap Fuse with post 2x24 kv insulators (un-assembled)	286	9400.00

A.	NIT No.	TN-1811
B.	Last date for receipt of tenders	14.06.2022 up to 12:00 PM
C.	Date & time of tender opening	14.06.2022 at 3:00 PM
D.	Cost of Specification	Rs. 2,950.00 (Two Thousand Nine Hundred & Fifty only) For MSME of Rajasthan: Rs. 1,475 (One Thousand Four Hundred & Seventy Five only)
E.	Processing of RISL	Rs. 1,000.00 per set (One Thousand only)
F.	Bid security	General Bidder: Rs. 53,768.00 Sick Unit of Rajasthan: Rs. 26,884.00 SSI unit of Rajasthan: Rs. 13,442.00*
G.	Validity	120 days from the next date of opening of techno-commercial bid.
H.	Base Date	01.05.2022

***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 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 attestdocumentary evidence duly attested by notary to claim the above.

IMPORTANT DATES:-

S.N.	Events	Date & Time	Location
1.	Last Date of downloading of tender specifications	Up to 13.06.2022 (04:00 PM)	www.jdvvn.com & http://www.eproc.rajasthan.gov.in
2.	Deposit of cost of:- (i)Tender Specifications (ii) Processing fee (iii)Bid Security	Up to 13.06.2022 (4:00 PM)	Office of Sr. A.O (Cash & CPC), JdVVNL, Jodhpur Office of SE(MM&C), JdVVNL, Jodhpur Sr.AO(MM&C), JdVVNL, Jodhpur
3.	Last Date & time of submission of electronic bid	Up to 14.06.2022 (12:00 PM)	http://www.eproc.rajasthan.gov.in
4.	Opening of Technical Bid	14.06.2022 (03:00 PM)	http://www.eproc.rajasthan.gov.in
5.	Opening of Price Bid	To be intimated separately to the qualified bidders	http://www.eproc.rajasthan.gov.in

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NOTE:

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) (50% for MSME of Rajasthan) 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 favours of SR.AO(CASH & CPC), JDVVNL, Jodhpur (Payable at jodhpur) **342003 up to 4.00 p.m upto one WORKING day prior to schedule date of opening** of respective bid or Bank guarantee, in specified format, of a scheduled bank in favour of superintending Engineer (MM&C), JDVVNL, Jodhpur be deposited to the Sr. Accounts Officer (MM&C), JdVVNL, New Power House, Industrial Area, Jodhpur-342003 **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/MSME unit of Rajasthan or of sick unit (as applicable) along with affidavit as per schedule XI on Non-Judicial Stamp of Rs. 100/-.

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

SECTION -III**TECHNICAL SPECIFICATION AND OTHER REQUIREMENT FOR 33 KV HORN GAP FUSE WITH POST 2X24 KV INSULATORS (UN-ASSEMBLED) AGAINST TN-1811****1.0 SCOPE :**

This specification covers the design, manufacture, testing before dispatch, packing & forwarding and delivery of 33 KV Horn Gap Fuses (including hardwares and post insulators). The Horn Gap Fuses shall be required for protection of lines and distribution Transformers at various sites of Jodhpur Discom, the details of principal parameters/various parts of horn gap fuses are indicated in subsequent clauses hereunder.

1.1 It is not the intent to specify completely herein all details of the design and construction of equipments. However, the equipment shall conform in all respects to high standards of engineering, design and workmanship and shall be capable of performing in continuous commercial operation upto the Bidder's guarantee in a manner acceptable to the Purchaser, who will interpret the meanings of drawings and specifications and shall have the power to reject any work or material which in his judgment is not in accordance therewith. The offered equipment shall be complete with all components necessary for its effective and trouble free operation along with associated equipments, interlocks, protection schemes etc. Such components shall be deemed to be within the scope of supply, irrespective of whether those are specially brought out in this specification and/or the commercial order or not.

2.0 SERVICE CONDITIONS :

Equipment to be supplied against this specification shall be suitable for satisfactory continuous operation under the following tropical conditions :

i) Location	In the state of Rajasthan
ii) Max. ambient air temp. in shade (Deg.C)	50
iii) Min. ambient air temp. (Deg.C)	(-) 5
iv) Average daily ambient air temperature(Deg.C.)	45
v) Max. yearly weighted ambient temp.(Deg.C.)	35
vi) Relative humidity (%)	100
vii) Average annual rainfall (mm)	100 to 1000mm (depending upon area)
viii) No. of rainy days P.A.	70
ix) Max. wind pressure (Kg/sq m)	195
x) Max. altitude above mean sea level (mtrs)	1000
xi) Isoceraunic level (month/year)	4 months (June to Sept)
xii) Seismic level (horizontal acceleration)	0.08g

Note : Moderately hot and humid tropical climate conducive to rust and fungus growth. The climatic conditions are also prone to wide variations in ambient conditions. Smoke is also present in the atmosphere. Heavy lightning also occurs during June to October.

3.0 PRINCIPAL PARAMETERS :

3.1 The equipment i.e. horn gap fuse unit covered in this specification shall be a complete unit with 2 x 24 KV Post Insulator type E-32 for use on 33 kV system The ratings of 33 kV Horn Gap Fuses with post insulators shall be as under :

PARTICULARS/ RATINGS HG FUSES	Specified values (33 KV H.G.)
a) Nominal system voltage kV (rms)	33
b) Rated voltage kV(rms)	36
c) Rated frequency(Hz)	50
d) One minute power frequency withstand voltage kV(rms) (To earth & between poles).	70
e) Impulse withstand voltage kV peak).(To earth & between poles).	170
f) Permissible temperature rise above ambient temp. (50 deg cent.)	40 deg. Cent. 200
g) Rated Current (Amp)	

3.2 The minimum mechanical & electrical values/ characteristics of 24kV Post Insulators shall be as follows :

S. No.	Particulars	Specified values
1.	Torsional Strength	680mm
2.	Cantilever Strength	9000 N
3.	Tensile Strength	30000 N
4.	Compression Strength	40000 N
5.	Highest system voltage (kV rms)	24
6.	Dry & wet power frequency withstand test voltage for one minute(kV rms)	55
7.	Impulse withstand test	125 (KV Peak)
8.	Visible discharge test	18 (KV rms)
9.	Power frequency puncture withstand test voltage (kV rms)	1.3 times the actual dry flash-over voltage of the unit.

3.3 DIMENSIONAL CHARACTERISTICS OF POST INSULATORS :

S.No.	Particulars.	2X24 kV (33 KV HG fuse)
1.	Nominal system voltage.	33 kV
2.	No. of units	Two
3.	Total height of i) unit ii) Stack	254 mm 508 mm
4.	Diameter of Insula- ting part (max.)	210 mm
5.	Minimum total creepage distance of each unit	430 mm
6.	Top fitting pitch circle diameter	76 mm
7.	Bottom fitting pitch circle diameter	76 mm

3.4 One set of Horn Gap Fuse Shall consist of three single phase units of Horn Gap Fuses.

4.0 GENERAL TECHNICAL REQUIREMENTS :

HORN GAP FUSES :

4.1 The hardware of horn gap fuses shall be designed and manufactured as per IS. The horn gap fuse sets are to be used for protection of lines and distribution transformers. The bill of material to complete one set (i.e. for Three phases) shall be as per requirement.

4.2 The hardware of Horn Gap Fuses shall be constructed out of the best quality of material suitable for weather conditions prevailing in Rajasthan. The workmanship shall be in accordance with the modern engineering practice. All ferrous parts shall be given an anticorrosive finish. The other parts shall be substantially non corrosive. The details of various specific parts for manufacture are as under :

(1) BASE CHANNEL :

The base channel shall be of size 125mmX60mmx542 mm Long of Hot Dip Galvanized mild steel conforming to ISLC 75 of Tata Reference Book 1970 in case of 33 KV Horn Gap Fuses. The base channel should have holes for mounting post insulators.

(2) HORN STOOL :

Two numbers of Horn Stools of Hot Dip Galvanized MS flat of size 50 x 6 mm will be used. The Horn Stool shall be fixed on the top of the post insulators with the help of electro galvanized bolts and spring washers. The Horn Stool must be rigid and strong enough for fixing the horn over the top of horn stool. Over the top of the horn stool, the horn will be fixed.

(3) ARCING HORN :

Two numbers arcing horns of 12 mm dia of Hot Dip Galvanized M.S. round rod will be used. It will be aluminum painted. The base of arching horns should be projecting to 25 mm. It shall be fitted on horn stool with the help of horn clamps, nuts, bolts and spring washers. The length of the horn/height should be maintained. The horn should have a hole & fixing brass thumb screw with fly nut and flat washer to tie and tighten with the fuse wire.

(4) BRASS THUMB SCREW :

There shall be one tapped hole on each arcing horn. The brass thumb screw will be fixed in the tapped hole provided in each arcing horn. The fuse wire is to be tied with brass thumb screw and tightened with help of fly nut (Brass) and flat washer (Brass). The length of brass thumb screw will be fully threaded and screwed up to the whole depth of the horn. The design must be such that the changing of fuse wire is convenient. There is no loose connection/contact and there should not be any possibility of thumb/jamming on account of arcing when fuse is blown off.

(5) HORN CLAMPING ARRANGEMENT :

There shall be two M.S. Horn clamp of size 50x105x6 mm fixed on horn stool with the help of bolts and nuts, spring washers for fixing the arcing horns and clamping the conductor. The lower part of the clamping for holding the required conductor shall be of size 50x50x6 mm. This shall be made from M.S. sheet. The clamp for 33 KV horn gap fuse shall be suitable for ACSR "DOG".

(6) EARTHING TERMINAL :

One number earthing terminal shall be provided on the flange portion of base channel. The M.S bolt of 12 mm dia and 25 mm long shall be used with flat washer for this purpose.

(7) BOLTS, NUTS AND WASHERS :

All the bolts, nuts and washers shall be electro-galvanized. However the thumb screw and its connecting fly nut and flat washer, to be used to fix fuse wire, will be of brass only. The size of various bolts, nuts and washers which are in the scope of supply are as below :

S.NO.	SIZE OF BOLTS, NUTS AND WASHERS.	TO BE UTILISED FOR	qty. for 1 unit of 33 KV
1.	Bolt size 12mm dia, 25mm long with flat washer & nut.	Earthing terminal	4 Nos.

- | | | | |
|----|---|--|---------|
| 2. | Bolt size 12mm dia,
38mm long with nuts
& spring washer. | For fixing post
insulators on base. | 8 Nos. |
| 3. | Bolt size 12 mm dia,
25mm long with nuts
spring washers. | For fixing horn stool
above the post insulators. | 4 Nos |
| 4. | Bolt size 5/6 dia
1.25" long with nuts
and spring washers. | For fixing arcing horn on
horn stool and clamping | 16 Nos. |
| 5. | Brass thumb screw
(6mm dia. 30mm long)
with Brass fly nut
(30mm wing dia) flat
washer (1mm thick,
20mm outer dia and
internal dia. such as
to accommodate the 6mm
dia brass screw). | For fixing fuse wire
on the arcing horn. | 2 Nos. |
-

5.0 POST INSULATORS :

5.1 The 24 kV post insulators units shall be pedestal post type (conforming to IS-5350 Part-III and IS-2544). The insulators shall be constructed out of the best quality of material suitable for weather conditions prevailing in Rajasthan. The workmanship shall be of the highest grade and the entire manufacture shall be in accordance with the modern Engineering practices.

5.2 Where Porcelain Insulators are offered, the insulator shall be made of homogeneous and vitreous porcelain of high mechanical and dielectric strength. It shall have sufficient mechanical strength to sustain electrical and mechanical loading on account of wind load, short circuit forces etc. Glazing of the porcelain shall be of uniform brown or dark brown colour with a smooth surface arranged to shed away rain water. The porcelain shall be free from laminations and other flaws or imperfections that might affect the mechanical or dielectric quality. It shall be thoroughly vitrified, tough and impervious to moisture. The porcelain and metal parts shall be assembled in such a manner and with such material that any thermal differential expansion between the metal and porcelain parts throughout the range of temperature specified in this specification shall not loosen the parts or create undue internal stresses which may affect the mechanical or electrical strength or rigidity of the unit as a whole or stack of two units. The assembly shall not have excessive concentration of electrical stresses in any section or across leakage surfaces. Cement used in the construction of post insulators shall not cause fracture by expansion or loosening by construction and proper care shall be taken to locate correctly the individual parts during cementing. The cement used shall not give rise to chemical reaction with metal fittings and its thickness shall be uniform. The insulator shall be suitable for water washing by rain or artificial means in service condition. Profile of the insulator shall also conform to the relevant IS.

5.3 Cap to be provided on top of the insulator shall be of malleable steel casting or of aluminum alloy. It shall be machine finished and hot dip galvanized in case of malleable steel casting. The cap of 24 kV Post Insulators shall have four numbers of tapped holes spaced on a pitch circle diameter of 76mm. The threads of the tapped holes in the post insulator metal fittings shall be cut after giving anti corrosion protection and shall be protected against rust by greasing or other similar means, all other threads shall be cut before giving anticorrosion protection and shall conform to IS:4218 or latest version thereof. The tapped holes shall be suitable for bolts with threads having anticorrosive protection. The effective depth of threads shall not be less than the nominal diameter of the bolt. The cap shall be so designed that it shall be free from visible corona.

5.4 The casting shall be free from blow holes, cracks and such other defects.

5.5 All the ferrous metal parts shall be given an anticorrosive finish and shall be hot dip galvanized smoothly as per IS:3638 (as amended upto date), IS:2633 or any other

equivalent authoritative standard. The other parts shall be substantially non corrosive. The material shall be galvanized only after shop operations upon it have been completed. The metal parts before galvanizing should be thoroughly cleaned of any paint, grease, rust, scales or alkali or any foreign deposit which are likely to come in the way of galvanizing process. The coating on the metal parts shall withstand minimum four one minute dips in copper sulphate solution as per the relevant IEC/IS.

5.6 The insulator unit shall be assembled in a suitable jig to ensure correct positioning of the top and bottom metal fittings relative to one another. The faces of the metal fittings shall be parallel and at right angles to the axis of the insulator and the corresponding holes in the top and the bottom metal fittings shall be in a vertical plane containing the axis of the insulator.

5.7 It shall be the sole responsibility of the Supplier to carry out thorough inspection and quality checks on the insulators at the insulator supplier's works, before offering the insulators for Purchaser's inspection.

5.8 Two Nos. of 2 x 24 kV Post Insulator shall be provided on each pole of 33 kV Horn Gap Fuse set (Total six Nos. of 2 x 24 kV Post Insulator for three phases (Poles) of one set of H.G.)

5.9 The porcelain and hardware surface coming in contact with cement shall be coated with bituminous paint for cushioning to relieve mechanical stress caused by temperature variation and cement expansion.

5.10 The post insulators shall conform to IS:5350. The total creepage distance of 24 kV post insulator as individual unit shall be minimum 430 mm.

5.11 Following makes of the Post Insulators shall be acceptable for the supply of Horn gap Fuse Set

- i) M/s.Jaipur Glass & Potteries, Jaipur.
- ii) M/s.India Potteries, Kolkata.
- iii) M/s.Bikaner Ceramices, Bikaner.
- iv) M/s.CJI Porcelain, Khurja.
- v) M/s.Vishal Melleable, Ankeleshwar.
- vi) M/s.Allied Ceramices Pvt. Ltd., Kolkata.
- vii) M/s.WSI, Chennai.
- viii) M/s.IEC, Bhopal.
- ix) M/s.MIL, Allahabad.
- x) M/s.Jay Shree Insulators, Vadodara.
- xi) M/s.Birla NGK Insulators Pvt. Ltd., Halol.
- xii) M/s.MIL, Abu Road.
- xiii) M/s.Sarvana Insulators Ltd., Kurinji Padi, Dist Cuddalore, (Tamilnadu).
- xiv) M/s B.H.E.L.

5.12 Besides above, the Post Insulators manufactured by the vendors approved by the Power Grid Corporation of India Ltd (PGCIL) and National Thermal Power Corporation (NTPC) shall also be acceptable.

6.0 TESTS :

6.1 TEST BEFORE DESPATCH :

The parts of H.G. Fuses i.e. Hardwares and post insulators shall be subject to under mentioned tests separately at respective manufacturer's works before dispatch as per relevant standards.

INSULATORS :

A) Routine test

- i) Visual examination
- ii) Routine electrical test
- iii) Routine mechanical test

B) TYPE TESTS

- i) Visual examination
- ii) Verification of dimensions
- iii) Visible discharge test
- iv) Impulse voltage withstand test.
- v) Dry power-frequency voltage withstand test.
- vi) Wet power frequency voltage withstand test.
- vii) Temperature cycle test.
- viii) Mechanical strength :
 - a) Bending Test
 - b) Torsion Test.
 - c) Tensile or compressive test.
- ix) Puncture test.
- x) Porosity test.
- xi) Galvanizing test.

C) Acceptance Tests :

- i) Verification of dimensions
- ii) Temperature cycle test
- iii) Mechanical strength test
- iv) Puncture test
- v) Porosity test
- vi) Galvanizing test

TEST ON HORN GAP FUSE UNIT COMPLETE WITH INSULATORS AND HARDWARES**A TYPE TEST (S) :**

- i) Visual examination
- ii) Dimensional checkup
- iii) Temperature rise test
- iv) Power frequency H.V. Test, with inter phase distance as 1000 mmv)
Impulse test. with inter phase distance as 1000 mm.

B ACCEPTANCE TESTS :

- i) Visual examination
- ii) Dimensional checkup
- iii) Temperature Rise Test
On one sample per lot

6.2 TEST ON BOUGHT OUT ITEMS :

Tests are not required to be performed on small bought out parts like Nuts, Bolts & Washers etc. at the works of manufacturer. Furnishing of test certificates from original manufacturer(s) shall be deemed to be satisfactory evidence. Inspection of the tests at sub contractor's works will be arranged by the supplier when ever required.

6.3 ACCEPTANCE & ROUTINE TESTS :

6.3.1 All acceptance & routine tests as stipulated at clause No.6.1 shall be carried out in presence of purchaser's representative at manufacturer's works of Insulators and Hardwares separately before dispatch.

6.3.2 Immediately after finalization of the programme of type/acceptance, routine testing, the supplier shall give sufficient advance intimation to the purchaser to enable him to depute his representative for witnessing the tests.

The test samples after having withstood the routine tests shall be subjected to the following Acceptance tests in the order indicated below :

On Insulators

- i) Verification of dimensions as per approved drawing / ISS.
- ii) Temperature cycle test.
- iii) Mechanical strength test.
- iv) Puncture test.
- v) Porosity test
- vi) Galvanizing test

On Hardwares of Horn Gap Fuse sets

- i) Visual examination
- ii) Dimensional checkup
- iii) Temperature Rise Test (only on one unit per lot)

Fitment of Horn gap Fuse hardwares with Insulator test

One percent of insulators inspected shall be brought at the contractor works for checking of fitment with hardware.

6.3.3 For conducting acceptance tests on post insulators the number of post insulators or post insulators unit shall be selected as under:-

Lot size	number of post insulators unit to be selected
Upto 800	6
801 to 1300	8
1301 to 3200	10
3201 to 8000	14
8001 and above	20

6.3.4 10% samples will be selected from offered lot of complete Horn Gap Fuse sets Hardwares for conducting acceptance tests on the same except fitment test which shall be carried out on one percent of offered lot.

7.00 TYPE TEST CERTIFICATE:

- a) The bidder shall furnish valid and authenticated type test certificate from a Govt. approved/ a Govt. recognized/ NABL accredited laboratory/ ILAC i.e. International Laboratory Accredited laboratory / ILAC i.e International Laboratory Accrediation Cooperation (In case of foreign laboratory) of similar rating and design. Such type test certificates should not be older than five years as on the date of bid opening. For this purpose date of conducting type tests will be considered.
- b) The type test certificates by inhouse 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.
- c) 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)
- d) The type test certificates shall be furnished either in original or duly attested by notary.
- e) The bids of only those bidders shall be considered to be meeting the type test criteria who furnishes complete type test certificates with the bid as per above provision.
- f) 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 certificates from a Govt. approved/ a Govt. recognized/ NABL accredited laboratory/ ILAC accredited shall be furnished from first lot (without asking for any delivery extension) along with Bank

Guarantee, with the technical bid from a Nationalized/ Scheduled Bank in prescribed proforma at Schedule-III C or DD/ Pay order amounting Rs. 5,00,000/- (Five Lacs Only). The initial validity of BG shall be 9 months with claim period of 3 months in addition

- i) Where a new Rajasthan based firm is participating & 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

Note: The type test reports which could not be revalidated due to COVID pandemic, since 23.03.2020 may be considered valid up to 30.09.2022 in accordance to guidelines issued by Central Electricity Authority vide letter no.CEA-PS-80/1/2019-PSETD Division-Part(2)/564-640 and CEA-PS-14-80/1/2019-PSETD Division-Part(2) /517-96.

However, the purchaser reserves the right to demand repetition of some or all the type tests in presence of purchaser's representative. For this purpose, the tenderer should indicate unit rate for carrying out such type tests. These test charges shall not be taken into consideration for bid evaluation.

During type tests the disconnecter shall be mounted on its own support structure or equivalent support structure and installed with its own operating mechanism to make the type tests representative.

8.0 TYPE TEST ON SAMPLES SELECTED FROM MATERIAL RECEIVED IN STORES FROM 1st OFFERED LOT (Applicable to Successful bidders who have not furnished valid type test certificate but furnished BG in lieu of Type Test)

The first lot offered shall not be less than 10 % of the ordered qty.

One sample of each type of Horn Gap Fuse sets from the 1st Lot received in purchaser's store shall be selected and sealed for getting it type tested at any Govt. approved/ Govt. recognized/ NABL accredited laboratory/ ILAC i.e. International Laboratory Accredited laboratory / ILAC i.e International Laboratory Accrediation Cooperation (In case of foreign laboratory). The transportation charges of sample(s) from store to test house shall be borne by NIGAM, whereas the charges incurred towards type test of the material at test house shall be borne by the Supplier. The testing charges should be remitted through D.D. in favour the Test House by the supplier with the 1st inspection offer. The name of test house shall be intimated to successful bidder after issue of Purchase order.

At the option of the purchaser, the material received in the stores may be utilized in the field after receipt of successful test reports from CTL, Jodhpur for the mandatory test checking on the samples selected from the material received at stores against first lot and subsequent lot(s) in anticipation of successful type test report(s).

The bidder shall have to deposit type test charge(s) immediately with the supply of 1st lot . If the type test charge(s) are not deposited then acceptance of 2nd offered lot shall be at the discretion of purchaser.

A) In case sample(s) from first lot fails in type tests then:

- i) Supplier shall have to replace the full quantity of the respective inspected lot supplied to various stores which is lying unused.
- ii) For the quantity already utilized against the order in field, a deduction of 30% (thirty percent) of F.O.R. destination price of the material supplied shall be made.
- iii) Sample(s) from next lot shall be selected again for type test . All test charges incurred towards type test of the material for second time shall be borne by the Supplier for which the testing charges should be remitted through D.D. in favour of the Test House by the supplier with the 2nd inspection offer.

B) In case sample again fails in the type test then:

- i) The quantity supplied/received in stores and lying unused in stores shall stand rejected and shall be lifted back by the supplier.
- ii) For the quantity already utilized against the order in field, a deduction of 30% (thirty percent) of F.O.R. destination price of the material supplied shall be made.
- iii) Further supplies shall not be accepted and order shall stand cancelled .

The various type tests as per relevant standards shall be conducted on each type of Horn gap.

9.0 INSPECTION :

All the tests (as mentioned at Clause 6.4) and Inspection shall be made at the place of manufacturer unless otherwise especially agreed upon by the bidder and purchaser at the time of purchase. The bidder shall afford the inspection officer(s) representing the purchaser all reasonable facilities without charges, to satisfy him that the material is being supplied in accordance with this specification. The purchaser has the right to have the tests carried out at his own cost by an independent agency whenever there is a dispute regarding the quality of supply.

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

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

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

The Bidder shall give 15 days advance intimation to enable the purchaser to depute his representative for witnessing the acceptance and routine tests.

The inspection charges (Inspectors traveling , boarding & lodging) would be to the purchaser's account.

Calibration Certificates:

The supplier shall present the latest calibration certificate(s) of testing instruments / equipments to be used for the testing of the materials 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 laboratory accredited from NABL or the manufacturer of the testing instruments having traceability to NPL or NABL accredited laboratory. The calibration certificates 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 mention thereof shall be indicated in the calibration certificates(s).

10.0 QUALITY ASSURANCE PLAN :

10.1 The Bidder shall invariably furnish following information along with his offer, failing which his offer shall be liable for rejection. Information shall be separately given for Horn Gap fuses hardware unit and post insulators.

- i) Statement giving list of important raw materials.
- ii) Names of sub suppliers for the raw materials, list of standards according to which the raw materials are tested, list of tests normally carried out on raw materials in presence of Supplier's representative, and copies of test certificates.
- iii) Information and copies of test certificates as in (i) and (ii) above in respect of bought out accessories.
- iv) List of manufacturing facilities available.
- v) Level of automation achieved and list of areas where manual processing still exists.
- vi) List of areas in manufacturing process, where stage inspections are normally carried out for quality control and details of such tests and inspections.

vii) List of testing equipments available with Bidder for final testing of equipment and test plant limitation if any, vis-a-vis the type, special, acceptance and routine tests specified in the relevant standards. These limitations shall be very clearly brought out in the specified test requirements.

10.2 The Supplier shall, within 30 days of placement of order shall submit following information to the Purchaser.

i) List of raw materials as well as bought out accessories and the names of sub-suppliers selected from the lists furnished along with offer.

ii) Type test certificates of the raw materials and bought out accessories.

iii) Quality Assurance Plan (QAP) with hold points for Purchaser's inspection. The quality assurance plan and hold points shall be discussed between the Purchaser and Supplier before the QAP is finalized.

10.3 The supplier shall submit the routine test certificates of bought out accessories and central excise passes for raw materials at the time of routine testing.

11.0 DRAWING :

11.1 The one set of following drawings/documents of the equipment covered by this specification shall be furnished by the Bidder along with their offer:-

i) Outline dimensional drawings of Horn Gap Fuse Set with insulator and list mentioning bill of material with complete details regarding metal hardware fittings.

ii) Assembly drawings showing complete details of all parts and separating mechanism and mass of main component part.

iii) Drawings showing dimension of upper and lower metal parts along with PCD of post insulator.

iv) Descriptive literature and manufacturing data on insulator shall be furnished.

v) Type test reports (as per Clause 6.2 of Section-VII).

vi) Test reports, literature, pamphlets of the bought out items and raw materials.

vii) Detailed views of the insulator stacks & metallic and hardware unit.

11.2 The Supplier shall within 2 weeks of placement of order shall submit 3 sets of final versions of all the above said drawings along with bill of material, as per bidding documents, for purchaser's approval. The purchaser shall communicate his comments / approval on the drawing(s) to the supplier within two weeks. The supplier shall, if necessary, modify the drawings and resubmit 3 copies of the modified drawings within two weeks for purchaser's approval. The delay in submission of the modified drawings (if called for) complete in all respect and in acceptable form beyond two weeks time (as stated above), shall be on supplier's account.

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

11.4 Approval of drawings/work by Purchaser shall not relieve the Supplier of his responsibility and liability for ensuring correctness and correct interpretation of the latest revision of applicable standards, rules and codes of practices.

12.0 PACKING AND FORWARDING :

12.1 Each Horn Gap Fuse Set Hardwares shall be legibly and indelibly marked to show the following :

- a) Name or trade mark of manufacturer.

The Post Insulators shall be legibly and indelibly marked to show the following :

- a) Name or trade mark of manufacturer.
- b) Month and year of manufacture.

Such marking on porcelain shall be printed, not embossed and shall be applied before firing.

12.2 The Horn Gap Fuse sets (hardwares) shall be suitably packed in double gunny bags worthy of rail/ road transport . The supplies shall have to insert in each case / bag packing list giving item wise details of articles in the packing as mentioned in the list. The post insulators shall be packed in crates suitable for vertical/ horizontal transport as the case may be and suitable to withstand handling during transport and outdoor storage during transit. The Supplier shall be responsible for any damage to the equipment during transit due to improper and inadequate packing. The easily damageable material shall be carefully packed and marked with the appropriate caution symbols.

Wherever necessary, proper arrangement for lifting, such as lifting hooks etc., shall be provided. Any material found short inside the packing cases shall be supplied by Supplier without any extra cost.

The inspected lot of Post Insulators should be directly delivered / dispatched from their (manufacturer's) works to consignee's stores.

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

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

13.0 QUANTITY AND DELIVERY REQUIREMENTS :

The scope of supply shall include a supply of 1% extra quantity of bolts, nuts, washers, and such other small loose items free of cost.

14.0 DELIVERY SCHEDULE

The delivery of quoted quantity should be completed in Six months period including commencement period of maximum 30 days. In case ordered quantity is different than quoted quantity, then monthly delivery shall be adjusted proportionately. Tenders in which monthly delivery schedule is not indicated shall be ignored.

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

15.0 TEST CHECKING OF MATERIAL AT STORES:

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

15.1 SAMPLING

One sample out of each sub lot/ lot of 50 sets for 33 KV Horn gap fuse sets or part thereof from each inspected lot received in stores shall be selected from each store for test checking of material and shall be got tested. 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 or elsewhere as arranged by JdVVNL shall be carried out in the presence of representative of the supplier after identification / confirmation by him that sample so selected belongs to them.

(a) one extra sample of 24 KV post insulator for conducting Puncture test.

15.1 TESTS

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

- a) Visual examination , verification of dimensions, weight and marking as per PO/ GTP / approved drawing.
- b) Post Insulators :
 - i) Mechanical strength test.
 - ii) Porosity Test
 - iii) Puncture Test
- c) All galvanized parts. - Uniformity of galvanization test.

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

i) For witnessing of the testing, clear 7 days notice shall be given to the supplier stating date, time & place where the test is to be conducted. The testing shall be started after identification / confirmation of sample by the representative of the supplier that sample selected for testing pertain from the lot supplied by them. In case the supplier does not attend for witnessing the testing, the testing shall be proceeded and completed and action be taken as per the contract.

ii) The CTL shall send copies of test reports to the purchaser, consignees and the supplier.

15.2 CRITERIA FOR ACCEPTANCE

In case of failure of any of sample (s) in any of the above tests, the material contained in the lot / sub-lot received in store to which the samples belong, shall be rejected. The rejected material shall have to be replaced by the supplier free of cost.

15.3 TEST CHARGES :

All test charges incurred towards test checking of the material received in our stores shall be borne by the NIGAM except that of personal expenses of the representative of the supplier for witnessing the tests.

16.0 PAYMENT :

The Payment shall be governed in accordance with the clause No. 1.42 of GCC with the following modifications :-

A) If bidder have submitted valid type test reports with bid:

The 100% payment shall be released after receipt of successful test reports from CTL for the mandatory test checking on the samples selected from the material received at stores against first lot and subsequent lot(s) in anticipation of successful type test reports.

B) If bidder have not submitted valid type test reports with bid:

i) The 70% payment shall be released after receipt of successful test reports from CTL for the mandatory test checking on the samples selected from the material received at stores against first lot and subsequent lot(s) in anticipation of successful type test reports.

ii) The balance 30% payment shall be released after receipt of successful type test reports on the samples selected from the material received in the stores.

C) The due dates for payment shall be considered from the date of submission of the bills along with receipted challans to Sr. Accounts Officer (CPC) of respective Discoms.

17.0 PRICE & PRICE VARIATION:

- a) The prices shall be quoted in Rs. per unit on F.O.R. destination basis in the manner detailed in schedule of Prices(BOQ) indicating details of ex-works price, GST and freight & Insurance charges, etc. for delivery at our stores.
- b) 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 01.05.2022 and shall be governed as per clause No.1.10. of Instructions to bidders. The offers in which prices have not been quoted in prescribed manner are liable to rejection.
- c) 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 the old indices are discontinued then the P.V. shall be admissible with the new indices.

18.0 Quantity tolerance :

Quantity tolerance of plus minus 2% of ordered quantity shall be allowed for completion of supply .

19.0 The tenderers are required to provide one extra 24 KV Post Insulator with per set as spare.

20. 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.

21. As GST act has been effected from 01.07.2017, 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.
Further, GST registration number of Jodhpur Discom is 08AAACJ8578R1ZJ.

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

SCHEDULE OF REQUIREMENT

The quantity to be purchase is as under:

PARTICULARS OF ITEM	QUANTITY (Sets)
33 KV Horn gap Fuse with post 2x24 kv insulators (un-assembled)	286

The quantity indicated above is provisional and the purchaser reserves the right of revising the same at the time of placing the order.

Note: The tenderers are required to provide one extra 24 KV Post Insulator with per set as spare.

PRICE VARIATION CLAUSE FOR HARDWARE PARTS

The price quoted/confirmed is based on the input cost of raw material / components and labour cost as on the date of quotation and the same is deemed to be related to prices of raw material and all India Average consumer price index number for industrial workers as specified in the price variation clause given below.

$$P1 = P_0 (0.11 + 0.66 (SB1/ SB0) + 0.23 (L1/L0))$$

where :

P1= Ex-works price payable as adjusted in accordance to above formula

P₀= Ex-works price quoted/confirmed

SB1= Ex-stockyard price of MS Channel of size 100x50 mm of SAIL,Jaipur, prevailing as on first working day of the month, one month prior to the date of delivery.

SB0= Ex-stockyard price of MS Channel of size 100x50 mm of SAIL, Jaipur, prevailing as on first working day of the month, one month prior to the date of tender opening.

L1= All India Average consumer price index No. 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.

L₀= 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 tender opening.

The base date of price variation shall be **01.05.2022**, and shall be governed as per clause No.1.10. of Instructions to bidders.

SCHEDULE-II B

IEEMA/PVC/INSL/2003

Effective from : 1st April,03

PRICE VARIATION CLAUSE FOR INSULATORS

The price quoted/confirmed is based on the cost of raw materials /components and labour cost as on the date of quotation and the same is deemed to be related to prices of raw materials, index number for insulators and all India average consumer price index number for industrial workers as specified below. In case of any variation in these prices and Index numbers, the prices shall be subject to adjustment, up or down, in accordance with the following formula.

$$P = \frac{P_o}{100} \left(15+5 \frac{Zn}{Zno} + 53 \frac{IN-INSLR}{Ino_INSLR} + 27 \frac{W}{Wo} \right)$$

Wherein

- P = Price payable as adjusted in accordance with the above formula.
 P_o = Price quoted/confirmed.
 Z_{no} = Price of electrolytic high grade zinc(refer notes).

Ino-INSLR = Index number for insulators based on relative prices and weightage (as given in brackets) of wholesale price index for fuel, power, light & lubricants (28), whole sale price index for basic metals, alloys & metal products (15), wholesale price index for wood & wood products(6) and Ball clay (4), calculated considering their values as on 1st January, 2003 as base equal to 100 (Refer Notes).

W_o = All India average consumer price index number for industrial workers (Base 2001=100) as published by the Labour Bureau, Ministry of Labour, Government of India.

NOTE:- The above and indices are as published by IEEMA vide circular reference N o. IEEMA/(PVC) INSLR --/-- of the month of March.'2016

Z_n = Price for electrolytic high grade zinc (refer notes) . This price is as applicable on the first working day of the month , two months prior to the date of delivery.

IN - INSLR = Index number for insulators based on relative prices and weightages (as given in brackets) of whole-sale price index for fuel power, light and lubricants (28) wholesale price index for basic metals, alloys & metal products (15), wholesale price index for ball clay (4), wholesale price index for wood and wood products (6), calculated considering their values as on 1st January 2003 as base equal to 100 (Refer Notes). This index number is as applicable on the first working day of the month, two months prior to the date of delivery.

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

BASE DATE:- 01.05.2022

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 bidders)

NOTES :

a) All prices of raw material considered for arriving at the index number for insulators are exclusive of Modvatable excise duty and exclusive of any other central, state or local taxes, octroi etc.

b) All prices as on 1st working day of calendar month.

c) The details of the prices considered are as under :

1) The prices of electrolytic high grade Zn (in Rs./MT) is ex-works price as quoted by primary producer of Zn.

2) The prices of ball clay (in Rs./Kg) is the average price of "N-1" type ball clay as quoted by the two manufacturer.

3) The wholesale price index for fuel, power, light & lubricants, basic metals, alloys and metal products and wood and wood products are as published by the office of the Economic Advisor, Ministry of Industry, Govt. of India, New Delhi with base 1993-94=100. These wholesale price indices are being published weekly on provisional basis. However, the same get finalized after eight weeks and are normally available after two months. Therefore, we are considering in our calculations these final indices published by Economical Advisor for the Saturday of the Month, two month prior to the date of which the price of ball clay and Zn is considered. For example for calculating index number for insulators on 1st working day of month of Oct., the basic price of Zn and ball clay are to be considered as on 1st working day of Oct., and the wholesale price indices for fuel, power, light and lubricant, basic metal, alloy and metal products and wood and wood products are to be considered as published by economic adviser for the first week ending Saturday of the month of August.



JODHPUR VIDYUT VITRAN NIGAM LIMITED

**A Govt. of Rajasthan Undertaking
Prescribed technical specification for supply of**

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

Unless otherwise specified elsewhere in this specification, the rating as well as performance and testing of the isolators shall conform to the latest revisions and amendments of the following standards available at the time of placement of order.

S.No.	Technical specification which material/equipment/ Machinery/T&P shall confirm	Name of IS/other standard specification to which material should confirm	Other particulars if any.
1.	Recommended practice for hot dip galvanizing of iron and steel	IS:2629	
2.	Method of testing uniformity of coating on zinc coated articles	IS:2633	
3.	Specification for porcelain post insulators for systems with nominal voltages greater than 1000 Volts	IS:2544	
4.	ISO General purpose metric screw Threads	IS:4218	
5.	Dimensions of indoor and outdoor porcelain post insulators and post insulator units for systems with nominal voltages greater than 1000Volts	IS:5350	
6.	Expulsion high voltage fuses for above 1000 Volts.	IS:9385	

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 confirm	Name of IS/other standard specification to which material should confirm	Other particulars if any.

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

TN-1811

ITEM : 33 KV Horn Gap Fuse Sets with 2X24 KV Post Insulators

PRE-QUALIFICATION REQUIREMENT

The bidder should fulfill following qualification requirements for successful participating in the bid 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 manufacturer of offered item. The offers from authorized dealer/ sole selling agent/sole distributor 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.
- c) The bidders should be qualified, not be insolvent, not be in receivership, not be bankrupt or being wound up, should not have affairs administered by a court or a judicial officers, should not have business activities suspended, should not be blacklisted or debarred by any utility/ government agency, should not have a conflict of interest. For this bidder is required to furnish a Declaration as per Appendix-B, on Rajasthan Non-judicial Stamp Paper of Rs. 100/ (excluding surcharge on Stamp Paper, as per rules).

2.0 Past supply and performance criteria:

The bidder shall meet both past supply and performance criteria as detailed below for opening of bids.

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.

3. PERFORMANCE CRITERIA

- (i) If a bidder could supply upto 50% of ordered quantity in previous bid upto date of opening of subsequent bid 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 upto date of opening of subsequent bid and scheduled delivery period expired, then quantity equal to the quantity pending in previous bid for that item shall be reduced from the subsequent bid quantity to be allocated to the bidder.

4. TYPE TEST CRITERIA

a) The bidder shall furnish valid and authenticated type test certificate from a Govt. approved/ a Govt. recognized/ NABL accredited laboratory/ ILAC i.e. International Laboratory Accredited laboratory / ILAC i.e International Laboratory Accrediation Corporation (In case of foreign laboratory) of similar rating and design of tendered material. The bid of the bidders be also considered for meeting the Type Test criterion if the bidder have the requisite type test conducted successfully on the samples selected from the 1st Lot supplied to JdVVNL against previous tenders and its report are available with the Nigam & furnish certified copy of such Type Test Reports with the bid or reference of order / tender be mentioned in Bid document for verification purpose . Such type test certificates should not be older than five years as on the date of bid opening. For this purpose date of conducting type tests will be considered. **The type test reports which could not be revalidated due to COVID pandemic, since 23.03.2020 may be considered valid up to 30.09.2022 in accordance to guidelines issued by Central Electricity Authority vide letter no.CEA-PS-80/1/2019-PSETD Division-Part(2)/564-640 and CEA-PS-14-80/1/2019-PSETD Division-Part(2) /517-96.**

b) The type test certificates by in house laboratory of bidding firm even if it is a Govt approved/ Govt recognized/ NABL accredited Laboratory / ILAC accredited, shall not be accepted, in case of their own bid. This will not apply if bidding firm is Govt. Company/ Public Sector Undertaking.

c) 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).

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

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

f) However, in following cases the Bidder is not in a position to furnish Type Test Certificate as mentioned above, 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. approved / Govt. recognized / NABL Accredited laboratory / ILAC Accredited laboratory shall be furnished from first lot received in Nigam store (without asking any delivery extension) along with bank guarantee with the technical bid from a Nationalized / Scheduled Bank in prescribed proforma at Schedule-III C or DD / Pay Order amounting to Rs. 5,00,000/- (Five Lacs Only) . 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/out side Rajasthan firm furnishes requisite type test report of higher rating material.

5. POOR RECORD OF PERFORMANCE AND DELIVERY

The bidders who have been black listed or with whom business relations have been severed in any of the State 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.

When vendor does not accept order awarded on its accepted prices and terms and conditions and 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
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	issue of order.
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 relation for a period of two 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.

6. BLACK LISTING

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.

(D) A Bidder debarred under section 46 of the RTPP Act 2012 shall not be eligible to participate in any procurement process undertaken by-

- (a) any Procuring Entity, if debarred by the State Government; and
- (b) a Procuring Entity if debarred by such procuring Entity

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 0.25% of BG value or maximum upto Rs. 25,000/-)

To,

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

Dear Sir,

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

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

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

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

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

Payment pursuant to this undertaking will be demanded by the purchaser from the Bank and will be met by the Bank without question in the case in which the bidder, on receipt of the order and/or after the acceptance of this tender, makes default in furnishing the required type test certificates as to whether the occasion or ground has arisen for such demand the decision of the Superintending Engineer (MM&C), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur 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 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 within three months from that date, the Bank shall be released and discharged from all liabilities there under. However, the validity of the bank guarantee shall be extended as and when required by the purchaser.

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

Yours faithfully,

(Bankers)
EXECUTANT

Witnesses:

1.

2.

Schedule-IV A

TN-1811

ITEM- 33 KV Horn gap Fuse with post 2x24 kv insulators (un-assembled)**Must be filled in by the tenderer and attached with Technical Bid (Part-I)**

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

Dear Sir,

With reference to your invitation to tender against specification No. JdVVNL/SE/MM&C/TN-1811, we agree to supply the following quantity:

S. No.	Particulars of Items	Tendered Quantity	Qty. Offered	Justification of quantity offered as per Qualifying Requirement	Status of Type Test Certificates.
1.	2.	3.	4.	5.	6.
1	33 KV Horn gap Fuse with post 2x24 kv insulators (un-assembled)	286 Sets			

- The offer is valid for a period of 120 days after the date of opening of this tender.
- The prices are variable with base date of different component as per PV formula given at Schedule-II.
- It is noted that the quantity as mentioned in the specification are approximate and we agree to supply any quantity as per your requirement.
- The delivery shall strictly be in accordance with our delivery schedule as given in Schedule-VIII of this specification. In case we fail to deliver the materials as indicated in the clause No.1.23 of GCC (Section-II), we are liable to pay recovery for delay in delivery as per clause No.1.24 of this Section-II of this specification.
The material shall conform to your specification No. JdVVNL/SE/MM&C/TN-1811 and as per relevant ISS in all respect.
- We conform that we agree to all the terms & conditions as well as the technical stipulation of your specification No. JdVVNL/SE/MM&C/TN-1811 and there are no deviations other than as specified in the Schedule-VI (A & B).

Yours faithfully,

**Signature of tenderer with stamp
Dated.**

Schedule – V**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.
-------	---	-----------------------------------

(Signature)

Name & Designation
with seal of the bidder

SCHEDULE-V A**GUARANTEED TECHNICAL PARTICULARS FOR 33 KV HORN GAP FUSES WITH POST INSULATORS AGAINST TN-1811.**

(Strike out which is not applicable)

S.No	Particulars	33 KV Horn Gap Fuse
1	Name of Manufacturer	
2	Weight of one complete Horn Gap Fuse (Hardwares only) single phase.	
3	a) Size of brass thumb screw with fly nut.	
	b) Size and Nos. of brass washers with each unit	
4	Nos. and size of various electro plated nuts, bolts and spring washers	
5	Whether holes of base of horn stool and channel & relevant bolts shall match with the holes of post Insulator unit designation No. E-32 (as detailed at Table No. 1 of IS:5360 (Part-III)/1971.	
6	Tolerances (As per IS):	
	a) Dimensions.	
	b) Metal parts.	
7	Standard to which galvanisation conforms	
8	a) Arcing Horn size	
	b) Material	
9	Whether suitable to withstand temperature rise of 40 deg. Cent at 50 deg cent ambient.	
B) FOR INSULATOR PART (24 kV POST INSULATORS) OF HORN GAP FUSES SETS		
1	Manufacturer's Name and Country of Manufacture	
2	Standard(s) according to which the Post Insulators are manufactured.	
3	a) Manufacturer's type/ designation of post insulators.	
	b) Make	
	c) Drawing No	
	d) Catalogue No.	
4	Glaze	
5	Mass of insulator unit in Kg	
6	No. of insulators per stack	
7	Total height of post insulator Unit (mm).	
8	Height of	
	a) Upper metal fitting.(mm)	
	b) Bottom metal fitting.(mm)	
9	Diameter of Insulating part in mm.	
10	Minimum creepage distance in mm.:	
S.No	Particulars	
	i) Total	
	ii) Protected	
11	Dry arcing distance (mm)	

12	Diameter of base plate(mm)	
13	Details of holes in bottom and Upper metal fitting for assembly with metal hardware and middle metal fittings	
	i) Nos. and dia of holes with PCD in upper metal fitting.	
	ii) Nos. and dia of holes with PCD in bottom metal fitting.	
14	Material used for :	
	i) Cap	
	ii) Cement	
	iii)Sanding	
	iv) Cushion	
	v) Porcelain Shell	
	vi) Paint	
	vii)Pedestal	
	Mechanical Values	
15	Ultimate bending strength _ upright	
16	Ultimate bending strength _ inverted	
17	Ultimate torsional strength	
18	Ultimate tensile strength	
19	Ultimate compression strength	
	ELECTRICAL VALUES	
20	Rated voltage (kV)	
21	Rated frequency (Hz.)	
22	Dry one minute power frequency withstand voltage (kV rms)	
23	Wet one minute power frequency withstand voltage (kV rms)	
24	Dry power frequency flashover voltage (kV rms)	
25	Wet power frequency flashover voltage (kV rms)	
26	Dry impulse withstand voltage of 1.2/50 micro sec. positive wave(kVP)	
27	Dry impulse withstand voltage of 1.2/50 micro sec. negative wave(kVP)	
28	Dry impulse flashover voltage of 1.2/50 micro sec. Positive wave(kVP)	
29	Dry impulse flashover voltage of 1.2/50 micro sec. negative wave(kVP)	
30	Power frequency puncture withstand voltage of unit in kV (rms).	
31	Visible discharge voltage KV(rms)	
32	Does the post insulator unit conform to the latest version of IS:2544 (Yes/No)	
33	Whether post insulator marked with ISI certification mark (YES/NO)	
33	Statement of type test reports furnished	
	Name of test lab	
	Dt. of test	
	Dt of report	
	Rating of Equipment Tested	
34	Marking	

Name of bidder :-

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.
-------	---

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

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

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

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

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

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

(Signature)

Name & Designation
with seal of the bidder.

Schedule – VII**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 mentioned (Qty. in Sets)	whether still to be executed	Delivery stipulated in order	Remarks to be
7	8	9	10

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

(Signature)

Name & Designation
with seal of the bidder.

TN-1811

Schedule-VII-A

TO WHOMSOEVER IT MAY CONCERN

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

(FOR THE LAST THREE FINANCIAL YEAR FROM THE DATE OF OPENING OF TECHNO COMMERCIAL BID.)

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

Signature

Name & Designation
With Seal of the Bidder
Date _____
Place _____

Signature & Seal of C.A.

Name:
Address
Membership No.
UDIN 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:-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-VII B**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

Schedule – VIII

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

DELIVERY SCHEDULE

PART-A

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

S.No.	Particular of material	Commencement period	Rate of supply per month	Period for completion of delivery of entire material
1.	33 KV Horn gap Fuse with post 2x24 kv insulators (un-assembled)	30 days after receipt of Purchase order		Six months period including commencement period of maximum 30 days

PART-B

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

S.No.	Particular of material	Commencement period	Rate of supply per month	Period for completion of delivery of entire material

Note: 1. During the commencement period the process of model assembly and submission of B.O.M. for approval shall be got completed.

2. During the commencement period the contractual formalities shall be got completed.

(Signature)

Name & Designation
with seal of the bidder.

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

List of Equipments and Technical Hands Available with the Firm

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

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

1. Name and Address of Manufacturer.
2. Place where works exist.
3. GSTIN
4. Details of machinery particularly with B.H.P. of each item installed.
5. Details of staff employed in the works.
6. Date when started the manufacturing of item under reference.
7. List of items manufactured.
8. Literature and drawings of items manufactured showing their description, size, design and other important technical particulars.
9. Details of order so far, executed along with the names of organization to whom supplied.
10. Manufacturing capacity.
11. Is the workshop open for inspection by the representative of the board, if required?
12. Statement of financial resources and Banking Reference along with Balance-Sheet for previous two years.
13. Testing facilities available for the manufactured articles in the testing laboratory of works.
14. Whether the Firm is a small/medium/large scale industry.
15. 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**

**JODHPUR VIDYUT VITRAN NIGAM LIMITED
OFFICE OF THE SUPERINTENDING ENGINEER (MM&C)
NEW POWER HOUSE INDUSTRIAL AREA, JODHPUR.
TELEPHONE: 0291-2742223 / FAX:- 0291-2746539**

**BID DOCUMENTS FOR PURCHASE OF 33 KV HORN GAP FUSE WITH
POST 2X24 KV INSULATORS (UN-ASSEMBLED) SPECIFICATION NO.
JDVVNL/SE/MM&C/TN-1811**

A.	NIT No.	TN-1811
B.	Last date for receipt of tenders	14.06.2022 upto 12:00 PM
C.	Date & time of tender opening	14.06.2022 At 3:00 PM
D.	Cost of Specification	Rs. 2,950.00 (Two Thousand Nine Hundred & Fifty only) For MSME of Rajasthan: Rs. 1,475 (One Thousand Four Hundred & Seventy Five only)
E.	Processing of RISL	Rs. 1,000.00 per set (One Thousand only)
F.	Bid security	General Bidder: Rs. 53,768.00 Sick Unit of Rajasthan: Rs. 26,884.00 SSI unit of Rajasthan: Rs. 13,442.00*
G.	Validity	120 days from the next date of opening of techno-commercial bid.
H.	Base date	01.05.2022

***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 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 attestdocumentary evidence duly attested by notary to claim the above.

1. The bids not accompanied with qualification requirement , technical requirement indicated in the specification and other requirement given here under will be considered as incomplete offer and sufficient grounds for offer to be passed over:
 - i) Capacity, capability and competency proofing documents.
 - a) Capacity /orders of similar and higher rating of tendered equipment booked as on date of bidding with type and rating and construction details of equipment for which order received be indicated.
 - b) Copy of purchase orders of Erstwhile RSEB /SEB`S / Electric Utilities / Govt. Departments / Discoms for similar or higher rating equipment latest executed.
 - ii) Year wise past experience for last 5 years of similar or higher rating of tendered equipment.
 - iii) The details of testing facilities available at the works and copies of latest type test certificates, carried out on similar ITEM.
 - iv) Quality assurance plan.
 - v) Complete guaranteed technical particulars, out lines and general arrangement drawings along with Bill of Material.
2. Bids without Section-I, II, III & Schedules (I to X) shall be rejected.

3. Bids shall be furnished in single copy.
4. JdVVNL has the right to reject any offer on the basis of track record of poor performance in execution of previous order / equipment supplied /after sales service while evaluating the Techno-Commercial bid.
5. JdVVNL reserves the right to accept minor deviations in standard terms and conditions and also in technical and constructional features as specified in the technical specification (Section-III).
6. Deviation of any kind shall not be quoted in BOQ (Bill of quantity) , if found quoted, the same shall be ignored.
7. The following facilities are to be provided by the supplier at his own cost to the inspecting officer of Nigam (JdVVNL).
 - i) Suitable accommodation.
 - ii) Local conveyance between arrival point, place of stay, works and departure point.
 - iii) The supplier shall assist in arranging return ticket and reservation on the request of the inspecting officer for which the payment shall be made by the inspecting officer. In case of joint inspection, single or shared double room accommodation shall be provided.

(Signature)
Name & Designation
with seal of the bidder

Schedule – XI

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

FORMAT OF AFFIDAVIT

I _____ S/o _____ Aged _____ Yrs. _____
Residing at _____ Proprietor/Partner/Director of
M/s _____ do hereby solemnly affirm and declare that:

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

Name of Items	Production Capacity (Yearly)
(i)	
(ii)	
(iii)	
(iv)	
(v)	

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

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

(d) The present status of the firm is as per acknowledgment of Entrepreneurial Memorandum
Part-II issued on the date of District Industries Center, _____.

Place _____

Signature of
Proprietor/Director Authorized Signatory
With Rubber Stamp and date

VERIFICATION

I, _____ S/o _____ Aged _____ Years residing
at _____ Proprietor/ Partner/ Director of M/s
_____ verify and confirm that the contents at
(a), (b), (c) & (d) above are true and correct to the best of my knowledge and nothing has been
concealed therein. So, help me God.

DEPONENT

Appendix-I**Bidders are requested to furnish following details:**

1. **Name of Firm :**
2. **Office Address :**
3. **Work's Address :**
4. **Email Address :**
5. **Phone / Mobile No. :**
6. **Fax No. :**
7. **Name of Firm's representative :**
8. **Contact No. of Firm's representative :**
9. **Whether you are covered in MSME Scheme :
(If yes provide supporting documents / evidence)**
10. **GST IN :-**
11. **For releasing Payment through NEFT/RTGS provide following details :-**
 - (i) **Name of Account Holder:**
 - (ii) **Name of Bank & Branch Address:**
 - (iii) **Account No. :**
 - (iv) **IFSC Code:**
12. **Whether the firm has been black listed or business relation with the firm has been severed with AVVNL/ JdVVNL/ JVVNL under any Tender. If yes, provide the details.**

GENERAL
Amendments in GCC & ITB

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

BID SECURITY

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

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

The Bid Security amount (as applicable) to be paid by Demand Draft/Banker's Cheque in favour of SR. AO (CASH & CPC), JDVVNL, Jodhpur (payable at Jodhpur) 342003 **upto 4.00 p.m. upto one WORKING day prior to schedule date of opening** of respective bid or Bank Guarantee, in specified format, of a scheduled bank in favour of Superintending Engineer (MM&C), JDVVNL, Jodhpur, be deposited to the Sr.Accounts Officer (MM&C), JDVVNL, New Power House, Industrial Area, Jodhpur-342003 **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 XI on Non-Judicial Stamp of Rs. 100/-.

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

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) The amount of performance security shall be **2.5%** of the amount of supply order in case of procurement of goods and services and **3%** of the amount of work order in case of procurement of works. In case of **Micro, small and Medium scale Industries** of Rajasthan it shall be **0.5%** of the amount of quantity ordered for supply of goods and in case of sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR), it shall be **1%** of the amount of supply order.

- 3) **VENDOR REGISTRATION:**

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

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

5) **Due Date of payment:**

Payment shall be due and payable by the purchaser in accordance with the provision of the contract within a reasonable period from the date of receipt of each invoice by the contractor / supplier duly supported by a certificate of the Engineer.

The purchaser will take all possible effort to make payment to the contractor / supplier generally on 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.

6) The GST will be charge extra at the prevailing rate on all the settlement fees as applicable and amended time to time.

7) **APPEAL:**

i. If any Bidder or prospective bidder is aggrieved that any decision, action or omission of the procuring entity is in contravention to the provisions of this Act or the rules or guidelines issued there under, he may file 1st & 2nd appeal under section 38 of RTPP Act-2012 to the following appeal authorities **within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:**

Sr.No	Type of Appeal	Name & Designation of appellate authority
1	First appeal	Chairman, Discoms
2	Second appeal	Energy Department, Government of Rajasthan

ii) The form of appeal shall be as per Rule 83 of RTPP Rules, 2013 and memorandum of appeal shall be filled as per form-1 as prescribed under RTPP Rules, 2013.

Fee for appeal: - Subject to rule 84 of the RTPP Rule 2013 the fee shall be as under:-

a. For First Appeal:- Rs. 2,500/- (Rupees Two Thousand Five Hundred Only)+GST.

b. For Second Appeal:- Rs. 10,000/- (Rupees Ten Thousand Only)+GST.

iii) It is further intimated that the fee shall be paid in the form of Demand Draft of Bankers Cheque of a Scheduled Bank payable in the name of Sr. Accounts Officer (Cash & CPC), JdVVNL, Jodhpur.

iv) Provided that after the declaration of a Bidder as successful the appeal may be filed only by a Bidder who has participated in procurement proceedings:

v) Provided further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filed only by a Bidder whose Technical Bid is found to be acceptable.

vi) The officer to whom an appeal is filed under para (1) shall deal with the appeal as expeditiously as possible and shall endeavour to dispose it of within thirty days from the date of the appeal.

vii) If the officer designated under para (1) fails to dispose of the appeal filed within the period specified in para (2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the First Appellate Authority, the Bidder or prospective bidder or the Procuring Entity, as the case may be, may file a second appeal to Second Appellate Authority specified in the Bidding Document in this behalf within fifteen days from the expiry of the period specified in para (2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

8) The bidders should be qualified, not be insolvent, not be in receivership, not be bankrupt or being wound up, should not have affairs administered by a court or a judicial officers, should not have business activities suspended, should not be blacklisted or debarred by any utility/ government agency, should not have a conflict of interest. For this bidder is required to furnish a Declaration as per Appendix-C, on Rajasthan Non-Judicial Stamp Paper of Rs. 100/ (excluding surcharge on Stamp Paper, as per rules).”

9) In case the terms & conditions mentioned in PO, ITB & GCC are modified/differ from RTPP Act, then RTPP Act shall supersede

ADDENDUM IN ITB

Addendum in the provision of Instruction to Bidder (ITB) in the clause No. 1.12.2 for quantity allocation as per award criteria of purchase manual in accordance to the clause no. 74 of RTPP rules:

1.12.2 (A) for quantity allocation

(i) Trial order under Para No. 22.17 (a) & (b) of purchase manual

(a) 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 supply made to the licensed power utility outside India, the C.A. certificate furnished by the firm shall be considered.

Note:- The material supplied and accepted for same/higher rating for turnkey project (s) 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.

(b) (i) The trial order for a particular item shall not generally exceed 10% of the total quantity considered for placement of order. This ceiling may, however, be relaxed by the corporate level purchase committee up to the extent of 30% to take the advantage of lower price where situation of differential price offering is arising.

(ii) The capacity & capability assessment of a bidder located outside state of Rajasthan who otherwise qualifies but is participating for the first time shall not be carried out.

Similarly, for the tendered item(s) where the valid BIS license is an essential qualification requirement and the bidder possesses the valid BIS but new to the utility. The capacity/capability assessment of such a bidder shall also not be carried out.

(ii) Award criteria under Para No. 10.2 (iii) of purchase manual

(a) In case of distribution transformers of rating 40 KVA and below, LT cables & conductors and fabricated steel items, order quantity may be distributed in the following manner:-

**20% to L1
15% to L2
10% to L3
05% to L4**

50% to be distributed equally among other firms subject to the condition that not more than 5% of the quantity to be purchased will be allotted to any one of such firms. The balance, if any will be distributed in the same proportion as indicated above among the first four firms.

(b) In case of other items except poles, order quantity may be distributed in the following manner:-

**40% to L1
20% to L2
10% to L3
06% to L4**

The balance quantity may be equally distributed among other firms subject to the condition that not more than 4% of the quantity to be purchased will be allotted to any one of such firm. The balance, if any will be distributed in the same proportion as indicated above among the first four firms.

(c) In case of poles, the order may be awarded on the basis of landed cost (material and transportation taken together). The allocation of quantity location/destination wise may be made among the eligible firms in equal proportion as far as possible

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 VidyutVitaran 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 VidyutVitaran 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 VidyutVitaran 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**Declaration by the Bidder**

(On Rajasthan Non-Judicial Stamp Paper worth Rs.100/- + Surcharge on Stamp Paper as per rules)

In relation to my/ our bid submitted to SE (MM&C) JdVVNL, Jodhpur, For procurement of _____ in response to their notice inviting bids under TN-_____ I/ We hereby declare under section 7 and 11 of Rajasthan Transparency in Public Procurement Act, 2012, that :

1. I/We possess the necessary professional, technical, financial and managerial resources and competence required by the bidding document issued by the procuring entity.
2. 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.
3. 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 not blacklisted by any utility/ Govt. agency, not have a conflict of interest and not the subject of legal proceeding for any of the foregoing reasons.
4. I/We further undertake that I/We have not been debarred under the provisions of Section 46 of RTPP ACT, and Rules as mentioned hereunder by any procurement entity/ Govt. agency:-
 - a) We are not convicted of an offence under the prevention of corruption Act, 1988 (Central Act No, 49 of 1988); or
 - b) We are not convicted of an offence under the Indian Penal Code, 1860 (Central Act No,45 of 1860) or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract; or
 - c) We have not breached the code of integrity prescribed in terms of Code of integrity.
5. 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.
6. I/We do not have a conflict of interest as specified in the Rajasthan Transparency in Public Procurement Act, 2012, Rajasthan Transparency in Public Procurement Rules, 2013 and the bidding document, which materially affects fair competition.
7. I/We have complied and shall continue to comply with the Code of Integrity as specified in the Rajasthan Transparency in Public Procurement Act 2012, Rajasthan Transparency in Public Procurement Rules, 2013, and this Bidding Document, till completion of all obligations under the Contract.

Date :
Place :

Signature of bidder
Name :
Designation :
Address :

ANNEXURE-A**COMPLIANCE WITH THE CODE OF INTEGRITY AND NO CONFLICT OF INTEREST**

(Must be signed by the bidder and attached with Techno-commercial bid)

1. COMPLIANCE WITH THE CODE OF INTEGRITY

Any person participating in a procurement process shall:

- a) Not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;
- b) Not misrepresent or omit information that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- c) Not indulge in any collusion, Bid rigging or anti-competitive behaviour to impair the transparency, fairness and progress of the procurement process;
- d) Not misuse any information shared between the procuring Entity and the bidders with an intent to gain unfair advantage in the procurement process;
- e) Not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- f) Not obstruct any investigation or audit of a procurement process;
- g) Disclose conflict of interest, if any;
- h) Disclose any previous transgressions with any entity in India or any other country during the last three years or any debarment by any other procurement entity.

2. CONFLICT OF INTEREST

A Bidder may be considered to be in Conflict of Interest with one or more parties in a bidding process if, including but not limited to:

- a. have controlling partners/ shareholders in common; or
- b. receive or have received any direct or indirect subsidy from any of them; or
- c. have the same legal representative for purposes of the Bid; or
- d. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Procuring Entity regarding the bidding process; or
- e. the Bidder participates in more than one Bid in a bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the Bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one Bid; or
- f. the Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the Goods, Works or Services that are the subject of the Bid; or
- g. Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as engineer-in-charge/ consultant for the contract.

(Bidder's Signature)

Name & Designation with seal of the bidder