



JODHPUR VIDYUT VITRAN NIGAM LIMITED

Office of the Superintending Engineer (MM&C)

Regd. Office: New Power House Premises, Industrial Area, Jodhpur-342003.

Corporate Identity Number (CIN)-U40109RJ2000SGC016483

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TENDER SPECIFICATION NO. JdVVNL/SE (MM&C)/EIAI/CRC-TN-1549

TENDERS ARE HEREBY INVITED IN E-TENDER SYSTEM FOR REPAIR & TESTING OF FAILED/DAMAGED THREE PHASE DISTRIBUTION TRANSFORMERS OF ASSORTED RATINGS.

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

S.No.	Name of Item	Quantity (Approx.)
1	Rate Contract for repair & testing of Failed/Damaged Three Phase Distribution Transformers of assorted ratings.	Lum-sum qty.

A	NIT No.	TN-1549
B	Cost of tender specifications	Rs. 2500.00 + GST@18% = Rs. 2,950.00 (Non -Refundable) (Rs. Two Thousand Nine Hundred & Fifty Only)
C	Processing fee of RISL	Rs. 1000.00 (One Thousand Only) (Non -Refundable)
D	Bid Security to be deposited with the tender	(i) General Bidder: Rs. 10,00,000.00 (ii) Sick Unit : Rs. 5,00,000.00 (iii) SSI Units of Rajasthan : Rs. 2,50,000.00
E	Validity	120 days from the next date of opening of techno-commercial bid.
F	Base date for price variation	01.03.2019 (Irrespective of tender opening date)

IMPORTANT DATES

S.N.	Events	Date & Time	Location
1	Date of downloading of tender specifications	Up to 15.04.2019 (06:00 PM)	www.jdvvn.com & http://eproc.rajasthan.gov.in
2	Deposit of cost of Tender Specifications, Processing fee & Earnest Money	Up to 15.04.2019 (4:00 PM)	Office of Sr. A.O (Cash & CPC), JdVVNL , New Power House, Industrial Area, Jodhpur
3	Last Date & time of submission of electronic bid	Up to 16.04.2019 (12:00 NOON)	http://eproc.rajasthan.gov.in
4	Opening of Technical Bid	16.04.2019 (3:00 PM)	http://eproc.rajasthan.gov.in
5	Opening of Price Bid	To be intimated separately to the qualified bidders	http://eproc.rajasthan.gov.in

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.

The bid security may be given in the form of banker's cheque or demand draft in favour of Senior Accounts Officer (Cash & CPC), JDVVNL, Jodhpur payable at Jodhpur 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, Jodhpur up to stipulated date & time, and obtain a receipt/acknowledgement thereof. No other mode of deposit shall be accepted.

At the time of depositing the Bid security amount in the office of the Sr. Accounts Officer (MM&C), JDVVNL, Jodhpur, the bidder shall also furnish self-attested documentary evidence duly attested by Notary of SSI unit of Rajasthan and of sick unit and ~~also to submit a letter of quantity offered by them~~ alongwith an Affidavit for MSME unit of Rajasthan in the enclosed format as per Schedule XI is to be furnished on non-judicial stamp paper of Rs.100/- duly attested by Notary public, to the office of Sr. Accounts Officer (MM&C), JDVVNL, Jodhpur. The Bid Security bank guarantee of requisite amount shall be furnished on non-judicial stamp paper of Rajasthan State.

NOTE:-

- 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 above.**
- 2. 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.**

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1. Tender documents will be made available on e-Tendering portal <http://www.eproc.rajasthan.gov.in/nicgep/app> . The bidders, in their own interest are requested to read very carefully the tender document before submitting the bid only through online on website <http://www.eproc.rajasthan.gov.in/nicgep/app>. The bidders can download bid upto 6.00 p.m. one day prior to schedule date of opening of respective bid mentioned above documents and submit their bids online upto 12.00 p.m. on schedule date of opening 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 Bid due to any website related problems.
3. The Tender process fee **Rs.1,000/-** to be paid by Demand Draft/Banker's Cheque in favour of MD,RISL, Jaipur and cost of tender specifications **Rs.2,950/-** to be paid by Demand Draft/Banker's Cheque in favour of SR. AO (CASH & CPC), JDVVNL, Jodhpur (payable at Jodhpur), be deposited in the office of the Senior Accounts Officer (Cash & CPC), JdVVNL, New Power House, Industrial Area, Jodhpur (payable at Jodhpur) upto 4.00 p.m. upto one WORKING day prior to schedule date of opening of respective bid.
4. The Bid Security amount (as applicable) to be paid by Demand Draft/Banker's Cheque in favour of SR. AO (CASH & CPC), JDVVNL, Jodhpur (payable at Jodhpur) **upto 3.00 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 3.00 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 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) and also submit a letter for the offered quantity by them.

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.

5. The bidders are required to **upload the** receipt of deposing all above payments along with their tender at the relevant place on the scheduled date & time otherwise their bids are liable to be rejected.

- Note :-**
1. All eligible interested bidders are required to get enrolled on e-Tendering portal <http://www.eproc.rajasthan.gov.in/nicgep/app>.
 2. If any difficulty arises, in down downloading/ uploading of tender you may contact in the RISL, Jaipur Rajasthan at following Contact/address

Address of RISL: -

Raj COMP Info Services Limited (RISL)
1st Floor, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur
(Rajasthan)
Phone: 0141- 5103902, 4031900 Fax: 0141-2228701
Web: <http://risl.rajasthan.gov.in>
Email: info.risi@rajasthan.gov.in

SECTION - III

TECHNICAL SPECIFICATION FOR REPAIR AND TESTING OF DAMAGED DISTRIBUTION TRANSFORMERS OF RATING FROM 10 KVA TO 630 KVA THREE PHASE AGAINST CRC-TN-1549

1. INTRODUCTION:

1.1 **10KVA , 16 KVA Al/Cu-wound distribution transformers , 25 KVA to 250 KVA Aluminum wound and 250 KVA to 630 KVA Copper wound, 11/0.433 KV distribution transformers of assorted makes, are to be repaired.**

1.2 These transformers shall be made available through various stores/sub-stores of Jodhpur Vidyut Vitran Nigam Ltd. After satisfactory repairs and testing, the transformers may be used anywhere in Rajasthan.

2. SCOPE OF WORK :

2.1 This specification provides for assessment and estimation of damaged transformers to be repaired at repairing firm's / contractor's works involving opening of transformer, de-tanking of core and coil assembly, cleaning and washing of dust and dirt from all parts including core, tank & cooling tubes, re-tanking after assembly of all parts after replacement or repairing of the damaged parts, filling of required quantity of fresh/new filtered transformer oil and painting, marking and testing as per ISS.

2.2 This specification also provides for supply and fixing /fitting of parts requiring replacement such as HV/ LV leg coils, bushings & bushing rod, gaskets, breather, oil level gauge, M&P Unit, fresh transformer oil, cover bolts, screws, other sundry items etc. for all rating of transformers and plugs, caps, oil drain, and filter valves for above 100 KVA ratings transformers for their complete repairs of transformers.

2.3 After repairs, the transformer shall be subjected to all routine and acceptance tests as per IS-2026/1981 read with latest amendments. Whereas transformer oil used in repair of transformer(s) shall be tested for its dielectric strength in accordance with IS:335/1993 (latest amended). The transformer oil used shall be conforming to the requirements of aforesaid ISS.

2.4 Further the **NIGAM reserves the right to conduct heat run test on any sample of the transformer(s) selected at random from repaired transformers of different rating in accordance with IS:2026/1981 (latest amended) at contractor's works for which Rs.1000.00 shall be payable extra along with GST (As applicable).** The Nigam also reserves the right to get the transformer oil tested in any independent Govt. laboratory in accordance with IS:335/1993 (latest amended) at its own cost.

2.5 All the acceptance tests as specified in the technical specification shall be carried out in the presence of an authorized engineer/officer of the Nigam in order to ensure that the repairs have been carried out satisfactorily and new transformer oil of proper quality has been filled in and the transformer can be used for efficient performance under the various operating and atmospheric conditions detailed elsewhere in this specification.

2.6 After satisfactory repairs and testing, the contractor shall have to deliver the transformers to the concerned store(s), through his own transport.

2.7 The facilities for labour & equipments etc. for loading/ unloading and handling of transformer(s) at the contractor's works for assessment of the repair work and at the time of receiving transformers and at the time of despatching transformers after satisfactory repairs and testing shall be arranged by the contractor at his cost and no extra charges shall be paid for this job. The to and fro transportation of damaged and repaired / tested transformers shall also be on contractor's account.

3. **REPAIR WORK:**

3.1 The repair work shall involve opening of transformer's cover, de-tanking core and coil assembly, cleaning, washing of dust and dirt from all parts including core, tank and cooling tubes/radiators etc., replacement of defective parts, assembly, re-tanking, filling fresh/new filtered transformer oil, marking and painting and testing the repaired transformers for all the routine & acceptance tests as per IS-2026/1981 with latest amendments.

3.2 The repair of a damaged distribution transformer shall be carried out only twice after the expiry of original guarantee period irrespective of the fact that the repair of the transformer is economical on the subsequent occasions.

3.3 The damaged / failed distribution transformers not having original name plate(s) of the manufacturer will not be repaired in any case.

3.4 The damaged transformer(s) prior to year 31.03.2010 make shall not be repaired or amended in future.

3.5 No copper wound transformers of rating below 250 KVA shall be repaired, **except 10KVA & 16 KVA 11/0.433 KV, Copper wound distribution transformers.**

3.6 The damaged transformer(s) whose core is missing/ damaged/ burnt/ rusted or tank/ radiator/conservator is damaged severely shall not be repaired.

3.7 The transformers of old and obsolete designs shall also be not repaired.

3.8 The damaged three phase transformer(s) whose one or more L.V. leg coils found damaged / burnt shall not be repaired.

4. **REPLACEMENT OF PARTS:**

4.1 This will involve removal of all parts requiring replacement, thereafter fitting & fixing of new parts such as HV/LV leg coils, M&P Unit, bushings, gaskets, breather, oil level gauge, oil drain and filter valves (for above 100 KVA rating transformer(s)), cover bolts, plug, cap and screws, transformer oil etc. and making connections complete in all respect for satisfactory operations after repairs in normal working conditions.

4.2 All Oil drain and filter valves in transformers of rating up to 100 KVA wherever found existing shall be removed & tagged with continuously welded steel plate inside the tank. Repairer shall ensure by all means that no oil leakage take place from welded tagged portion. This is to avoid pilferage/ leakage of oil.

4.3 The following arrangements shall also be made in each rating of repaired transformer:

- i) The 12 Nos. Nut Bolts (4 Nos. each on length sides and 2 Nos. each on width sides of the tank body) to be tag welded on the top cover/ tank body of the transformer.
- ii) HT bushing(s) mounting bolts shall be tag welded.
- iii) The oil filling hole cap of conservator shall be welded with tank body with the help of suitable inverted 'U' shape clamp.
- iv) On each transformers stainless steel anti theft fastener (nuts & bolts size M10x40L) shall be provided on top cover (two each width and length side) or transformer top cover welded with 'U' clips.

5. **WINDINGS:**

5.1 The damaged winding (s) requiring replacement shall be replaced by windings identical to the original one in respect of cross-section of conductor, number of turns, diameter of coils, insulation material etc. and that all coil assemblies of identical voltage rating shall be interchangeable so that field repairs of the windings can be made readily without special equipment. The coils should be odd layers & shall be supported between adjacent sections by insulation spacers and the barriers, bracings and other insulation used in the assembly of the windings and shall be arranged to ensure free circulation of the oil and reduce hot spots in the windings. Insulation of wire/ strip, inter layers between LV & HV winding and windings to

earth shall be of class- A, and section as utilized in the original transformers. In case it is found at any stage that proper size and type of material are not used then the contract will be canceled immediately.

5.2 Two layers of electrical grade insulation kraft paper 2 mil thickness or one layer of min.4 mil thickness shall be used for inter-layer insulation both for HV & LV coils.

5.3 The insulation of the coil shall be treated with suitable insulating varnish or equivalent compound under vacuum impregnation to develop the full electrical strength of the windings. The assembled core and winding assembly shall be vacuum dried in vacuum chamber and suitably impregnated with insulating varnish before removal from the vacuum treating tank. The tenderer will specifically indicate, if he has got facilities and equipment for vacuum impregnation. Alternatively in place of vacuum impregnation, the core and coil assembly shall be fully dried out in 'Air Drying Oven' till the coils are shrinked to designed level and are completely dried, only then they will be impregnated in the transformer oil. All materials used in the insulation and assembly of the windings shall be insoluble, non catalytic and chemically inactive in the hot transformer oil and shall not soften or otherwise be adversely affected under the operating conditions.

5.4 The winding(s) shall be compact and symmetrical about the centre line of the core and shall be formed on suitable synthetic resin bonded paper sheet grade-I/type III/ elephentide sheet conforming to the requirement of BSS:1137/1949/IS:1271/58 and any amendment thereof and the size of sheets shall be identical to those used in the original transformers.

5.5 The conductor inner layer insulation shall be of suitable material conforming to relevant latest ISS and shall be of such sizes and material as provided in the original transformer. The leg coils shall be provided with oil ducts where-ever required.

5.6 The number of coils per limb, resistance, number of turns and dimensions of complete leg coils shall be exactly the same as that of the leg coil of the original transformer, so that electrical and mechanical characteristics of the repaired transformer(s) shall remain the same as that of the original transformer.

5.7 All threaded connections shall be provided with suitable locking devices. All leads from the HV winding to the terminals and bushings shall be clamped tightly with cotton twine directly on the special frame / bracket making "Pie" shape connection. This structure could be made up of Bakelite flats, Permalli wood flats or laminated PC board flats, having minimum size of 45 x 6mm. Line leads leading to the HV Bushing terminals shall be directly clamped to the horizontal support bar of the "Pie" structure (as per drawing attached) so that any tension which may developed in the HT Leads due to jerks or at the time of making the connection, is not passed to the HT Coils. It would be preferable to use glass sleeves/SRBP tubes where-ever practicable on the leads taken out from winding to terminals and bushings.

5.8 Delta joint and lead from delta joint to bushing rod shall be made by brazing only for HV windings.

5.9 The LV connection shall be taken out by cut on the top yoke channel duly reinforced to compensate for the mechanical strength.

5.10 LV star point shall be formed of aluminium flat for aluminium wound transformers and copper flat for copper wound transformers of sufficient strength. Leads from winding shall be connected to the flat by brazing.

5.11 Firm connection of LV Windings to bushing shall be made of adequate size of "L" shaped flat. Connection of LV coil to "L" shape flat shall be by brazing only.

5.12 LT Aluminium / Copper lugs shall be clamped to LV bushing metal part by using nut, lock nut and washer.

5.13 The winding shall be clamped securely and placed so that they will not be displaced or deformed during short circuits. The conductors used in the coil structure shall be best

suitable to the requirement and all permanent current carrying joints in the windings and the leads shall be brazed preferably and rigidly clamped.

5.14 IDENTIFICATION MARK ON NEW COIL:

In the process of repairing of transformers, the repairer(s) replace the coils with new material/insulation. There is no visual facility to verify whether the coils are new or old. In order to verify and confirm that the repairer has replaced the old coil(s) by new one, the repairer shall insert a non-tearable polyester strip containing their company's name and month of manufacturing at least at two places in each HV and LV coil. This polyester strip shall not be removable even on pulling out the same. This will enable the Nigam to check and verify the exact number of coils newly prepared and replaced.

6.0 TAP CHANGING SWITCH:

If tapping switch is provided, same should be removed from all transformers irrespective of their ratings.

7.0 CORE LAMINATION (CRGO/ AMORPHOSE MATERIAL):

7.1. After cleaning dust and dirt from each leaf of laminations , the core shall be rigidly clamped and bolted to ensure adequate mechanical strength and to prevent vibrations during operation. The bolts used in the assembly of the core shall be suitably insulated and clamping structure shall be so constructed that eddy current will be minimum.

7.2 The core and the coil assembly shall be so fitted in the tank(s) that shifting may not occur and original clearance is maintained when the transformer is moved/transported or during the short circuit conditions.

8.0 FREQUENCY:

The repaired transformers shall be suitable for continuous operation with a frequency variation of $\pm 3\%$ from normal frequency of 50 cycles per second without exceeding permissible temperature rise.

9.0 PARALLEL OPERATIONS:

The repaired transformers of the same capacity, type, voltage ratio and vector group shall be suitable for parallel operation.

10.0 NO LOAD VOLTAGE:

The No Load voltage ratio of the repaired transformers shall be same as that of the original transformer (11/0.433KV) with tolerance of $\pm 1\%$.

11.0 HIGHEST SYSTEM VOLTAGE :

The highest system voltage shall be as 12 KV on HT side. The repaired transformer shall be suitable for continuous operation with this voltage on the HV side.

12.0 TRANSFORMER OIL:

12.1 The transformer oil will be drained out from the transformer before delivery to firm for repair by the concerned ACOS.

12.2 Fresh/new EHV Grade transformer oil for filling in the repaired transformer(s) shall be provided by the repairer and the quantity of new transformer oil, as may be required to be filled in, shall be as per the quantity mentioned on the name plate of the transformer(s). The make of EHV grade transformer oil shall be either APAR/SAVITA/RAJ LUBRICANT/LUBRICHEM, MUMBAI / RAJ PETRO, MUMBAI / PANAMA PETROCHEM, ANKALESHWAR/TASHKANT OIL, MUMBAI /RTS, Jaipur/Keshari, New Delhi /Jupiter Chemical Ind., Jaipur / Anamika Oil, Jaipur or any other equivalent make approved by the Nigam. The EHV grade

transformer oil shall be duly filtered and tested and shall conform to the various technical parameters specified in IS:335/1993 (latest amended).

12.3 NIGAM can also provide transformer oil for filling in the repaired transformer depending upon the availability of the transformer oil in the store of the NIGAM. The transformer oil as may be supplied by NIGAM shall be filtered and tested before filling in the repair transformers. The filling of the oil in the the transformer shall be done in the presence of Nigam representative.

13.0 **METERING CUM PROTECTION (M&P) UNIT:**

The 10 KVA to 100 KVA rating three distribution transformers are to be provided with Metering Cum Protection (M&P) Unit as per the new design already adopted & in practice . The firms may supply/carry out modification works of LV Bushing Cover cum Meter & Protection Box as per new design on CLRC BSR 2014 rates. As this unit is not a part of the repair, the cost of the unit will not be included during calculation of viability of economic limit.

14.0 **TESTS:**

14.1 All the repaired transformers prior to despatch shall be subjected to all routine & acceptance tests as per IS:2026/1981 & IS:1180 read with latest amendments as detailed below :

- a) Measurement of winding resistance.
- b) Measurement of Impedance voltage, short circuit impedance and load loss.
- c) Measurement of voltage ratio and check of voltage vector relationship.
- d) Measurement of No load loss and no load current at normal voltage.
- e) **Measurement of load loss at 50% and 100% loading if mentioned on name plate.**
- f) Measurement of Insulation resistance.
- g) Induced over voltage withstand test.
- h) Separate source voltage withstand test for HV & LV.
- i) Checking of dielectric strength of transformer oil.
- j) Checking of repair work in confirmation to the joint inspection report and approved estimates and this technical specification (Section-III)
- k) Checking of manufacturer's test certificates & Invoices for new transformer oil/Aluminium/ bushings etc.

The tenderers must have requisite testing facilities and it should be clearly indicated / mentioned in the tender offer.

14.2 The fresh/new transformer oil from offered lot of repaired transformers and also from storage tank from which oil has been used shall also be tested for its dielectric strength in accordance with IS:335/1993 (latest amended upto date). The transformer oil used in repair of transformers shall comply with the requirement of this specification and it should conform to IS:335/1993 (Latest amended). The Nigam reserves the right to seal the samples of such transformer oil and get them tested at an independent laboratory at his own cost to ensure its conformity to the various requirements / tests of IS:335/1993.

14.3 The no load and load loss shall be measured by the three watt-meters method (i.e. using three watt meters, three ammeters and three voltmeters of accuracy class 0.5 or better)

14.4 Common use of instrument among repairing agencies for repair/testing work is not permitted. However, in exceptional cases with recorded reasons the inspecting officer may allow the other agency's instrument also.

14.5 The guaranteed no load loss and load loss for repaired distribution transformer(s) shall be as mentioned on the manufacturer's name plate provided on the transformer(s).

14.6 Tolerance in losses: The tolerance in NO LOAD and LOAD LOSS shall be permissible as below:

- i) **No Load Loss : + 10% of the Losses mentioned in the name plate.**
- ii) **Load Loss : + 5% of the Losses mentioned in the name plate.**

In case total guaranteed losses are mentioned at 50% and 100% loading on name plate then 5% tolerance be allowed at 50% and 100% loading losses.

14.7 No load current : The No Load current (Magnetising current) at normal voltage for various ratings shall be as given hereunder with +10% tolerance:

- i) 10 KV Three phase : 3% of rated full load current**
- ii) 16 KVA Three phase : 2% of rated full load current**
- iii) 25 KVA & 40 KVA : 3.5% of rated full load current.
- iv) 63 KVA & 100 KVA : 3.25% of rated full load current.
- v) More than 100 KVA : 3.0% of rated full load current.

14.8 The voltage ratio shall be subject to a tolerance of ± 1.0%.

14.9 If the values of the load loss, no load loss and voltage ratio of the repaired transformer(s) are beyond the limits, the transformer will be declared un-economical and the contractor shall be at his liberty to remove the coils/parts and return the transformer to the respective consignee(s). However, no charges for repair of such transformer will be payable except for the charges fixed for uneconomical transformers. Transformers failed during inspection shall be identified by the contractor and intimated to the concerned ACOS before next joint inspection at their works for early lifting.

14.10 Insulation resistance of repaired transformers shall be measured with 2500 V/ higher voltage megger of standard make and dully calibrated. The minimum insulation resistance in mega ohms shall be as indicated in the table below :

Insulation resistance at deg C in mega ohms			
	20	30	40
11000 volts (HV) to earth	800	400	100
433 volts (LV) to earth	400	200	50
HV to LV	800	4 00	100

14.11 One transformer at random from the lot offered for inspection will be selected by the Inspecting Officer to verify physically the size of the conductor (refer Cl.34.00 of Section-III), weight of HV & LV leg coils, quantity of oil and quality of material used and workmanship, identification mark in shape of polyester strip carrying repairer's name and month of manufacturing in HV / LV coils, name plate as provided on top channel of core-coil assembly etc. in conformation to joint inspection report/ approved estimates/ Technical Specification (Section-III). In case of finding reduced quantity/ weight of coil/oil, the repair cost of transformers offered in that lot will be reduced accordingly in the same proportion and no extra payment towards loss will be paid to the contractor.

14.12 The Nigam reserves the right to inspect the works of the repairer during the process of repair for checking the repair work in confirmation to the joint inspection report and approved estimate(s) and also for the quality of workmanship and material used in repair.

15.0 MARKING & PROVIDING BLUE BAND ON REPAIRED TRANSFORMERS:

15.1 The repairer shall provide a non-detachable steel plate "A" of minimum 2.5mm thickness on the body of the transformer which should be continuously welded. The under mentioned details on this name plate should be deeply engraved by the repairer on the repaired and tested transformer(s). No transformer shall be accepted without proper fixing of repair plate on the transformer.

"A"

1. Repaired by M/s -----
2. CRC No. JdVVNL/SE/MM&C/TN- /D. _____ Dt. _____
3. Rating _____ KVA, Make _____, Trf.S.NO. _____ ,Store S.No. _____

- 4. Work order No.-----dated-----
- 5. Date of delivery/dispatch -----
- 6. Delivered at stores _____
- 7. Date of expiry of GP-----

15.2 In order to find out the balance guarantee period of transformer failed under Guarantee period the contractor shall provide another new plate "B" and shall emboss information as under:

- 1) Date of failure of transformer.....
- 2) Date of repair of transformer
- 3) Date of expiry of guarantee period after such repair.....

The original name plate of transformer shall also be retained on the repaired transformer.

15.3 The repairer shall provide identification of repairer's name and Job No.(S. No.) by non-detachable steel plate/punching on top channel of core coil assembly inside the transformer without any extra cost charge.

15.4 A 75 mm wide blue band of paint all around the transformer and radiator on all the transformers repaired first time shall be provided invariably approximately at the 3/4th of the height of transformer from bottom of tank for identification of the repaired transformer easily. The shades of this blue paint shall be canary blue colour of ISI No.5 shade No.309. This paint will also be provided after proper treatment of the surface of the transformer. For subsequent (2nd) repairs the colour band shall be kept Red. Rest of the procedure shall remain as above.

On every re-repair on guarantee repair failed transformers, an additional 75mm wide blue band of respective colour paint all around the transformer and radiator shall be provided at a distance of 50mm from the first band.

Concerned ACOS will mention the status of previous repair before dispatch to the firm for repair. The inspecting officer will also verify it.

16.0 **PRICES:**

16.1 The tenderers are required to quote their prices as per price schedule appended hereto for Copper/Aluminium wound transformers. The prices for items indicated in price schedule shall include assessment and estimation, labour and all other charges involved in repair, testing, handling, loading, unloading, storage, marking and giving safe delivery of the transformers at Nigam's store(s) after satisfactory repairs, testing and painting of transformers, filtration of transformer oil etc. The total repair charges of each rating of transformer will form the basis of rate contract for repair work. The rate contract shall not be for part of the repair works. However, the rate contract shall be operative for individual items of repair work as may be assessed at the time of estimation.

16.2 The rates for the items **Labour Charges, HV and LV Aluminium and Copper Leg coil and Transformer Oil** of "Schedule of prices" should be quoted variable as per formula enclosed at Schedule-III-A without ceiling based on prices of EC grade aluminium rods (**LME CSP Average of Aluminium** conforming to specification IS:5484/1978.), average LME settlement price of copper wire bars for one month prior, transformer oil conforming to IS:335-1993 supplied in drums and labour index as on first day of the preceding month of tender opening published in IEEMA circulars and for the rest of items of the price schedule unit rate quoted shall be on firm price basis and no price variation shall be allowed. **For claiming payment of labour charges, leg coils, transformer oil, the contractor shall certify that there is no negative price variation on the items Labour Charges, HV and LV Aluminium and Copper Leg coil and Transformer Oil.**

16.3 The bidders are advised to quote their own individual rates. It may please be noted that if the same rate is quoted by more than one bidder, suggestive of a cartel, then such offers may not be considered by the Nigam. It may please be noted that competitive rate quoted by

each bidder may be one of the main criteria for quantity to be ordered on each successful bidder.

16.4 (i) GST: Goods service tax government levy on spare parts (Components/oil & other accessories) for the transformers repaired, which if legally applicable shall be paid extra at actual on production of necessary documents.

The prices shall be quoted by the tenderer after accounting for the benefits of GST and any other type of benefits as may be availed by them in future due to any modification/insertion of new financial rules by the government shall be passed on to the Nigam.

(ii) However, tenderers must specify clearly the present rate of GST to be charged by them on the prices mentioned in their quotations. In case it is not applicable at present to the tenderer, a clear mention to this effect should be made in the tender offer. The limit of contract value may also be mentioned to the extend up to which duties will not be charged.

17.0 DELIVERY:

The joint inspection for preparation of estimates shall be arranged within a week's time from the delivery of the damaged transformers at the works of the firm and estimate(s) shall be furnished within a week there-after. The transformers shall be repaired and offered for inspection & testing within 30 days from the date of issue of the work order by the concerned Superintending Engineer of (O&M) circle or within ten days from the date of filling transformer oil if oil is supplied by NIGAM, whichever is later. The date of inspection clearance shall be treated as date of delivery of the repaired transformer for the purpose of penalty as transformers after repair are to be delivered by the contractor at Nigam stores through his own transportation.

18.0 DELAY IN DELIVERY:

18.1 The repair work shall be completed within stipulated delivery period. If the contractor fails to repair and deliver the transformers after due repair within the specified delivery dates, the Superintending Engineer (O&M), shall be entitled to recover an amount (for the transformers, the repair of which have been delayed/ not repaired)@Rs.45.00 per week or part thereof of each transformer subject to max. limit of Rs.450.00 per transformer. The Nigam will also have the right to cancel the order and forfeit the security deposit/safe custody amount and get the repair work done by some other contractor/ repairing firm at the cost, risk and responsibility of the defaulting contractor or to recover maximum penalty levied along with to & fro transportation cost in case of delay in repairs/ non-repairs of the transformers beyond one month.

18.2 The final recovery amount shall be calculated by the concerned ACOS, and be submitted to concerned Superintending Engineer (O&M), who in turn will intimate to Sr. Accounts Officer (Cash & CPC), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur after getting the same checked/vetted by the concerned Circle Accounts Officer.

18.3 The concerned ACOS will also intimate the recoveries of repairing charges of the transformers which failed during its guarantee period, to the Sr. Accounts Officer (Cash & CPC), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur with due approval of concerned Superintending Engineer (O&M) and under information to Superintending Engineer (MM&C).

19.0 SECURITY DEPOSIT:

The successful tenderer shall have to deposit in cash or to furnish a Bank Guarantee(B.G.) **Rs.25,000.00 for each circle** towards security deposit for faithful execution of rate contract.

20.0 SECURITY DEPOSIT FOR SAFE CUSTODY OF DISTRIBUTION TRANSFORMERS:

20.1 The successful tenderers shall be required to furnish Bank guarantee (BG) for **Rs. Two (2.0) Lacs** towards safe custody of every Forty (40) Nos. of damaged transformers of assorted ratings in favour of SE(MM&C), JdVVNL, Jodhpur. The BG shall be from any scheduled Bank & shall be furnished on a **Rajasthan Govt. Non-Judicial stamp paper (where-ever applicable) amounting to 0.25% of the B.G value or Rs. 25,000/- , whichever is less** in the prescribed proforma . At the initial stage, the bank guarantee shall be valid for a period of minimum one year with 6 months grace period. SCBG will be released after repair of all GP failed transformer and issue of NOC "No Objection Certificate" from concerned store/ ACOS.

20.2 The contractor shall not be delivered damaged / failed transformers from NIGAM's stores for repairing till such time the contractor furnishes security towards safe custody of transformers as specified as above in clause 21.0.

21.0 PERFORMANCE GUARANTEE:

21.1 The repairer shall obtain receipted challans from the concerned ACOS/Stores Superintendent in respect of repaired / un-economical transformers delivered in stores and shall be furnished with the repair bills directly to the Sr. Accounts Officer (Cash & CPC), JdVVNL, Jodhpur for payment.

21.2 10% amount of repair cost shall be with-held towards performance guarantee of the repaired transformers accordingly 90% payment of repair cost of each lot of transformers shall be made on delivery of repaired transformers. The balance 10% payment shall be released by the Sr. Accounts Officer (Cash & CPC), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur under intimation to the Superintending Engineer (MM&C), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur and concerned circle Superintending Engineer after receipt of a certificate about satisfactory performance of transformers for each lot delivered in a particular month after expiry of the performance guarantee period (G.P.), from concerned ACOS in the prescribed proforma. The above limit of 90% & 10% will be considered as 95% and 5% respectively for the old & established contractors i.e. who have executed atleast three repair rate contracts in the past awarded by RSEB or JdVVNL or executed three orders for supply of transformers successfully.

22.0 GUARANTEE:

22.1 While attending repairs of the transformers, the repairer(s) shall ensure that the guaranteed technical particulars and performance of the same are maintained for repaired transformers. Under no circumstances, the value of, losses and efficiency shall be altered from specified in this specification.

22.2 The bidder shall have to furnish guarantee and warranty for the satisfactory performance of repaired transformers for 12 (twelve) working months from the date of dispatch, for whole unit ir-respective of parts repaired / replaced during repairing. Subsequent repairing of Guarantee Period failed transformer shall carry further guarantee for six months from the date of receipt of transformer, after such repairs or balance guarantee period whichever is later. Hence during the joint inspection, successful bidder shall thoroughly check up each coil and each part of the unit in presence of Nigam's Engineer(s) while submitting the estimate(s) for repairs to concerned Superintending Engineer. No extra charges will be allowed for transformers failed within guarantee period even though damages are found other than repaired / replaced parts. The defects noticed during the period of guarantee shall be attended on priority and the transformer shall be repaired free of cost within a period of 30 days after receiving the transformer at their works without any liability on the Nigam. Any delay beyond 30 days in repair / rectification of transformer shall be subjected to penalty as applicable for delay in delivery and also further joint inspection of other deposited transformers will not be carried out till the repair of guarantee period failed transformers is completed. Only external physical inspection and acceptance test as detailed above will be carried out for the guarantee period failed transformer(s) and no internal inspection will be carried out by our inspecting office and sealed with numbered seals if cleared for dispatch.

23.0 PRICE FALL CLAUSE:

23.1 The price(s) charged for the works executed and spare parts supplied under the contract by the contractor shall in no event exceed the lowest price at which the contractor execute the works and sells spare parts of identical description to any other person/ firm during the period of contract.

23.2 If at any time, during the said period, the contractor reduces the prices for such works or sells such spare parts to any other person at a price lower than the price chargeable under the contract, the contractor shall forthwith notify such reduction of price to the Nigam and the price payable under the contract for the works executed and spare parts supplied after the date of such reduction shall stand correspondingly reduced. The contractor shall furnish certificates in the following form to ensure compliance of provisions of this clause.

"I/We certify that the works executed or spare parts supplied of description identical to the works executed or spares supplied to the Jodhpur Vidyut Vitran Nigam Limited under the rate contract No. JdVVNL/SE/MM&C/TN- have not been sold by me/us during the period of supply/during the period from to to any other person at the price lower than the price charged from Jodhpur Vidyut Vitran Nigam Limited under rate contract."

24.0 PARALLEL CONTRACTS :

24.1 The Nigam reserves the right for entering into parallel rate contracts with other firms and to assign and specify the areas of operation of rate contracts.

25.0 PAYMENTS:

25.1 The payments shall be arranged by the Sr. Accounts Officer (Cash & CPC), JdVVNL, Jodhpur against presentation of bills for repair of transformers based on the joint inspection report and the estimates approved by the concerned Circle Superintending Engineer(O&M). The repair bill should be supported by receipted challans in token of receipt of repaired distribution transformers / un-economical transformers by the concerned Assistant Controller of Stores/Stores Superintendent and the documents as stated at clause 14. The applicable **GST** at the prevailing rates for the value of the scrap shall be charged at the time of arranging payment by the Sr. Accounts Officer (Cash & CPC), JdVVNL, and shall be deposited by the later with the Govt. However, the contractor shall not get any payment in absence of completion of contractual formalities such as furnishing of bank guarantees towards security deposit and safe custody of transformer and also execution of contract agreement etc. 10% amount of the repair cost shall be with-held towards performance guarantee of the repaired transformers. Accordingly 90% payment shall be made on delivery of transformer and balance 10% will be released after expiry of total guarantee period of the transformer. The above limit of 90% & 10% will be considered as 95% and 5% respectively for the old and established contractors who have executed at least three contracts successfully in past.

25.2 The concerned Asstt. Controller of Store (ACOS) will furnish the satisfactory performance report to the Accounts Officer(Cash & CPC), JdVVNL, Jodhpur under intimation to the S.E.(O&M) / SE(MM&C) for each lot of the transformers delivered in a particular month, after expiry of guarantee period and will certify that there is no transformer lying failed within guarantee period pending for repair& nothing is recoverable from the firm against this lot of transformers. On the basis of such certificate from ACOS, the balance payment withheld towards performance bank guarantee will be released by the Sr. Accounts Officer (Cash & CPC), JdVVNL, Jodhpur for that lot.

26.0 SUBMISSION OF BILLS:

26.1 The bills for repairs of transformers shall be supported by the following documents for arranging payments:

- a) Copy of joint inspection report duly signed by all concerned including Superintending Engineer (O&M) & Accounts Officer (O&M).
- b) Approved estimate/work order of SE (O&M)
- c) Inspection and dispatch clearance report of the Inspecting Officer.

- d) Received challans of the consignee for the receipt of repaired transformers. At the time of verification of the challans, the concerned ACOS will record a certificate that all the transformers declared uneconomical during joint inspection & further during final inspection have been deposited by the contractor for the said lot.
- e) Proof of payment of **GST** as claimed extra in the bills is required along with the bills for repairs of transformers.
- f) Certificates that material/spares mentioned in the bills have been actually fitted/used on the transformers.

27.0 TRANSPORTATION/CARRIAGE OF TRANSFORMERS:

Lifting (Loading and unloading) of failed/ damaged distribution transformers from concerned stores for repair and returned back the same after due repair or after assessment of uneconomical viability based on joint inspection shall be in the scope of the contractor. Similarly the responsibility for to and fro transportation of G.P. failed transformers shall also be on contractor's account.

28.0 ASSESSMENT/ ESTIMATION OF REPAIRS :

28.1 The joint inspection of the damaged transformers shall be carried out at the circle stores of JdVVNL by two Assistant Engineers, nominated by the Circle Superintending Engineer out of the Assistant Engineers available in his circle by rotation, and authorized representative of the contractor to assess and work out the details of damaged parts to be replaced and repairs to be carried out on every individual transformer(s). In the event of any difficulty in arranging the joint inspection in the stores premises of Nigam the Superintending Engineer(O&M) at his discretion can ask the contractor to arrange the joint inspection at their works. However, the Joint inspection facilities for labour and equipments for handling etc. at the circle stores of Nigam shall be provided by the Nigam. Six copies of the estimate for repair and testing for every damaged transformer in prescribed proforma indicating its S.No., make, year of manufacture & rating, purchase order No. & date, TN No. etc. shall be prepared after joint inspection.

28.2 To expedite repair work of distribution transformers & smooth operation of Rate Contract, the transformers declared un-economical at the time of joint inspection/during inspection by Inspecting Officers shall be returned back expeditiously by the contractor's.

28.3 All the six copies of the estimates shall be signed by the contractor's representative and the officers of the Nigam. All the facilities for labour and equipment etc. shall be provided by the contractor at their works free of charge.

28.4 The joint inspection reports shall clearly indicate whether particular item being provided is against replacement of defective/ damaged or missing parts.

28.5 HV LEG COILS:

28.5.1 In case of damage of any of the HV leg coil, the contractor must replace all the HT leg coils of all limbs of the damaged distribution transformers by new HV leg coils of similar quality of material, insulation and cross section, number of turns etc. as utilized in damaged transformers.

28.6. LV LEG COILS:

The damaged three phase transformer(s) whose one or more L.V. leg coils found damaged / burnt shall not be repaired.

28.6.2 The weight of new leg coils (the new coils shall be identical to the old coils) to be charged in the estimate for repairs shall be same as that of the old healthy leg coils taken out from the damaged transformers. Bills for repair of transformers shall be prepared accordingly for actual weight of new finished coils only. No cost of variation in weight on positive side referred by the contractor will be allowed. A list of actual weights of new leg coils of each transformer shall be furnished by the contractor while offering for inspection.

28.7 After joint inspection for estimation the contractor shall retain one sample of healthy HV/LV leg coils of each damaged transformer , duly tagged with details such as make, type, capacity, S.No. of transformer, weight of leg coil, name of circle etc. duly signed by the joint inspecting officer under their seal, till the time of inspection and testing by inspecting officer of Nigam for purpose of verification of the technical details of fresh leg coils used by the contractor in the repaired transformers.

29.0 **APPROVAL OF ESTIMATE:**

29.1 The joint inspection for preparation of estimate shall be arranged within a week's time from the date of delivery of the transformers at their works and **the gross estimates in respect of the transformers be considered as within the prescribed economical limit of 38% (thirty eight percent) of the store issue rate(s) of new three phase transformer(s)**, which are given below shall be prepared and furnished within one week thereafter and shall be approved by the concerned circle S. E. (O&M) within three days, before carrying out repairs by the firm.

Delay in submission of repair estimate beyond one week (7 days) after joint inspection shall be to the account of repairer and the scheduled delivery period for the repair shall be reduced by period of delay beyond 7 days from the date of joint inspection. **If the gross estimate for repairing of a transformer exceeds 38% (for three phase) of the price of the fixed store issue rate of new transformer then it has to be declared uneconomical and returned to the concerned stores.**

29.2 This limit of **38% (for three phase)** based on work order rate shall be exclusive of fixing of M&P Box charges and shall be arrived on the basis of actual value of repair estimate without accounting for credit of the likely sale proceeds of the scrap/ salvage of HV/LV leg coils, metals parts, drain valve, HV / LV Bushing, transformer oil etc.

(A) **The Store Issue Rate issued on 1st April'2018 shall be applicable. Further, the Store Issue Rate as revised on 1st Day of April of the subsequent years shall be applicable for evaluating the economic limit during that year under the subject CRC-TN-1549.** Further, the stores issue rate of transformer, as per Standard Issue Rates of Jodhpur Discom vide No. JDVVNL/SE (I&S)/JU/S. / D-16/ dated: 05.04.2018:

S.NO.	TRF. RATING (IN KVA)	ALL ADJUSTED PRICE (IN RS.)
1	16 KVA, three phase (Copper Wound TFRs.)	47,150.00
2	16 KVA, three phase w/o M&P Box	39,750.90
3	25 KVA, 3-phase w/o M&P Box	45,883.85
4	40 KVA, 3-phase w/o M&P Box	64,251.65
5	63 KVA, 3-phase w/o M&P Box	83,165.10
6	100 KVA, 3-phase w/o M&P Box	1,12,495.30
7	160 KVA three phase	1,59,432.76
8	250 KVA three phase(Copper Wound TFRs.)	2,01,656.08
9	315 KVA three phase(Copper Wound TFRs.)	5,02,448.64
10	500 KVA three phase(Copper Wound TFRs.)	6,75,248.26

For the item / ratings not covered above, it will be decided by the Addl. Chief Engineer (MM), JdVVNL, Jodhpur.

29.3 Besides above a few major short-comings enumerated here under shall also make the transformer un-economical and therefore, not to be repaired.

- i) missing / damage of core.
- ii) rusting of core.
- iii) major damage of tank, radiator & conservator.

29.4 A lump sum charges Rs.150/- shall only be payable towards handling of such uneconomical transformers .

29.5 The joint internal inspection of damaged distribution transformers will be carried out by the authorized representative(s) of Nigam, nominated by concerned SE (O&M). Opening of transformer activity shall be commenced only in presence of Nigam's representative(s). If transformer shall be found opened before the arrival of representative of Nigam at the works of repairing agencies, then the estimate(s) shall not be approved for repairs of damaged transformers and further transformers shall not be allotted to the repairing agency. The following points are to be taken care of in preparation/approval of estimates:

29.6.1 The estimate(s) be vetted/checked/signed by the Circle Accounts Wing as per rates and other terms & conditions of Rate Contract and a certificate be recorded to that effect.

29.6.2 Also a certificate be recorded by representative(s) of the Nigam nominated by concerned SE (O&M) / SE (MM&C) for joint inspection that :

- i) the transformer found economical for repair as per provisions of the rate contract order.
- ii) the transformer to be repaired is beyond original guarantee period of supply.

29.6.3 Availability of budget provisions.

29.7 The estimate(s) of the repairs after getting signed by the committee as above (Clause No.30.6) shall be submitted to the concerned circle SE(O&M) in 6 (six) copies. Three copies of the estimate duly approved shall be forwarded to the contractor by the Superintending Engineer (O&M), to enable repairer to commence the repair work on the transformers thereafter immediately.

29.8 Out of the 3 copies of the approved estimates received by the contractor, one copy shall be retained by him for his record and one copy along with the inspection clearance report shall be attached along with the bill(s) after satisfactory repairs and testing and shall be forwarded to the consignee/ stores officer to facilitate the verification. The remaining spare copies of approved estimate along with a copy of joint inspection report shall be handed over to the Inspecting Officer at the time of inspection and testing of the repaired transformers to facilitate checking and to ensure that the repairs have been done strictly in accordance with the approved estimates.

30.0 **SUNDRY ITEMS:**

Miscellaneous items not specified in the price schedule but are required for repairs and satisfactory operation of the transformer after repairs shall be provided by the contractor at the fixed rates given in the schedule of prices under title "SUNDRY ITEMS". These items may include Packing of bushing , rods, fresh silicagel, diaphragm of explosion vent, spindle wheels of valves, cover bolts, caps, screws, washers & insulating materials to be provided between HV & LV leg coils and interchangeable leg coils, minor repairs of tank and all other parts not specifically mentioned in price schedule including denting, welding etc. if required which are necessary for satisfactory operation of the transformer after repairs.

31.0 **DAMAGED PARTS:**

31.1 The damaged HV/LV coils will be retained by the repairer after cutting the same at one point i.e. in two pieces in presence of Nigam's representative for which necessary details shall be given in joint inspection report to be signed by the repairer and Nigam's representative. Similarly other salvages viz. like bushing rods, caps, valve, tap changing etc. metal parts are also to be retained by the repairer.

31.2 SALVAGES :All the salvages/scrap of damaged/ replaced parts & burnt leg coils except removed parts such as caps, valves, tapping switch, oil drain & filter valves, plugs etc. shall be retained by the repairer and Nigam will make 100% deduction towards cost of scrap along with **GST (As applicable)** thereupon and any other duties/ taxes at the prevailing rate at the time of payment by the Sr. Accounts Officer (Cash & CPC), JdVVNL, Jodhpur from the repair bill and the latter shall arrange to deposit the amount of **GST** with the Govt. from the repair bill. The cost of copper coil/aluminum coil scrap shall be fixed on the basis of rates published in the Economics Times, New Delhi on the date of Joint inspection. In case of Aluminium coil scrap, rate of Aluminium utensils less 15% to-wards impurities whereas in case of copper coil scrap, rate of copper wire scrap less 15% towards impurities is to be taken into account for working out cost of aluminium / copper coil scrap. As regards metals parts & other salvages, the rate of these items shall be fixed on the basis of average rate obtained in the Last auctions conducted, to be notified by SE (MM&C/ I&S), JDVVNL, Jodhpur .

The transformer oil shall be retained by the concerned ACOS before handing over the transformers for repair to the firm.

32.0 TESTS AND TEST CERTIFICATES:

32.1 All the transformers after repairs shall be subjected to all the routine & acceptance tests specified in the relevant ISS detailed in clause 14.0 of the technical specification (Section-III) appended herewith.

32.2 One transformer at random will be selected by the Inspecting Officer to verify physically the size of the conductor, weight of HV/LV leg coils, quantity of oil and quality of material used and workmanship, identification mark in shape of polyester strip carrying repair's name and month of manufacturing in HV/LV coils, name plate as provided on top channel of core coil assembly etc. In case of finding reduced quantity/ weight of coil/oil, the repair cost of transformers offered in that lot will be reduced accordingly in the same proportion and no extra payment toward loss will be paid to the contractor.

32.3 The contractor will ensure that the best quality ISI approved material is used as far as possible. The Nigam reserves the right to get conducted any test of reasonable nature at the contractor's premises, or at site in addition to the aforesaid tests and those included in the rate contract at the contractor's expenses to satisfy himself that the spare parts supplied and repairs carried out comply with specification. The contractor shall be required to rectify the defects, if any found in such tests at his own cost.

32.4 The contractor shall send copies of inspection reports duly signed by the Inspecting Officer along with test results sheet & other relevant certificates to the concerned consignee(s) and to the concerned Superintending Engineer (O&M) for each and every transformer.

33.0 INSPECTION AND TESTING:

33.1 The contractor shall give atleast 7 days advance intimation to concerned Superintending Engineer (O&M), JdVVNL, for arranging inspection of a lot of minimum 20 Nos. of repaired transformers or the total quantity of lot/work order whichever is less so that Nigam may depute its representative(s) for inspection and testing of the same. The contractor shall furnish the packing list with inspection call of repaired transformer(s) as under:

- a) Job No.
- b) Work order No.
- c) Transformer(s) make & serial No.
- d) Weight of HV / LV coils
- e) Total weight
- f) Quantity of transformer oil

33.2 No transformer shall be dispatched without inspection and testing clearance by the Inspecting Officer. The transformers inspected & cleared for dispatch by Inspecting Officer shall be provided with following type of seals and stickers:

i) Numbered polycarbonate/ lead seals punched with sealing plier on diagonally opposite corners on top cover of transformers.

ii) One number non-removable, temper proof paper seal/ sticker duly signed by the Inspecting Officer.

33.3 In case of failure of repaired transformers in guarantee period, the seals are to be opened in the presence of Nigam's representative after external inspection. Again after inspection and testing of G.P. failed / repaired transformer numbered lead seals / stickers shall be provided by the Nigam's inspecting officer.

33.4 The contractor shall record the following certificate on the invoice / packing list (challan) of each transformer:-

"Certified that the consignment (lot) of repaired transformers as inspected by Sh.....designation..... has been got tested sealed and cleared. The test results were found to be within the limits of values specified in the relevant ISS/contract as per copy of test results enclosed." Witnessed by Sh.....designation.....

33.5 A team from Nigam shall visit the works of repairing agency at any time and verify the estimate / assessment for transformer repairing, quality of components used, testing instruments, machinery / equipments, test reports of earlier transformers tested, etc. They may also witness some or all tests on the transformers available in the factory / workshop of the repairing agency. Repairing agency shall co-operate this team during its visit and furnish all the details required by them. In case any default is observed during this visit, necessary action shall be taken against defaulting repairing agency including cancellation of the contract and /or black listing the repairing agency.

33.6 Contractor will not charge for inspection and assessment of damaged transformers.

34.0 RANDOM SITE TESTING :

34.1 The Nigam reserves to itself the right of having at its own expenses any test of reasonable nature carried out on the transformers received in the stores / site after repair. For this purpose, the Nigam's authorised representative shall select transformer(s) from the supplied lot(s) at random from the stores / sites as per selection procedure specified below for conducting the following tests at any test house/Nigam premises.

- i) Measurement of No Load loss/ No Load current and load losses.
- ii) Verification of weight of HV/LV leg coils.
- iii) Di-electric strength of transformer oil
- iv) Testing of transformer oil for conformity to the various requirements/tests of IS:335/1993.

34.2 CRITERIA FOR RANDOM SELECTION & TESTING (RST):

One transformer will be selected at random out of supply of every 100 Nos. repaired transformers of different ratings.

35.0 MATERIALS:

35.1 All material used in the repairs/ construction of the equipment shall be of the best quality of its kind and except where modified by the specification shall comply in all respect with the standard(s) laid down by ISI.

35.2 The spares/ equipments to be used in the repairs of the damaged transformer(s) should comply with one consistent set of standards.

35.3 In order to avoid inconsistencies in electrical characteristics of HT/LT bushings, the broken/damaged bushings with metal parts shall be replaced by the bushings of the specified/approved makes, or the entire set of HT/LT bushings may be changed by a new set of bushings as per IS specifications, if required. Such bushings should bear manufacturer's trade mark, month & year of manufacture etc. HV/LV Bushings of the following make or other approved makes shall be used for replacement in repair of transformers.

i) H.V. BUSHING:- BEPCO, Jayshree, WSI, Associated Porcelain (only 11 KV), Seshasayee, Jaipur Glass, Luster Ceramics, BPPL, Bikaner.

ii) L.V. BUSHING:- Luster Ceramics, JSI (Rishra), Jaipur Glass, BPPL, Bikaner.

35.4 The damaged porcelain bushings requiring replacement shall be replaced by such bushings keeping in view that these should have ample margin of safety as regards flash-over in order to eliminate all troubles due to condensation under sudden varying atmospheric conditions and trouble from dust.

The HV/LV bushing(s) shall be marked with manufacturer's trade mark and month & year of manufacture during firing.

35.5 METAL PARTS:

35.5.1 All the aluminum metal parts shall be removed & replaced with new brass metal parts strictly conforming to relevant standards.

35.5.2 The dimensions of HV & LV metal parts shall be strictly conformed to IS:3347(Pt.I & III).

36.0 EXTRAS:

When asked in writing by the Superintending Engineer (O&M)/(MM&C), JdVVNL to perform such extra work and supply such extra material, not covered within the scope of this specification as specified under various clauses of same, such work and material which is of most necessity shall be got complied by the contractor and its charges shall be paid extra at the rate and terms to be mutually agreed upon. This shall however, not exceed the economic limit of repairs.

37.0 ATMOSPHERIC CONDITIONS:

The transformers after satisfactory repairs/testing shall be suitable for satisfactory operations in tropical climate and shall be able to withstand a wide range of temperature and climatic erratic variations / conditions experienced in Rajasthan including exposure to direct sun.

- | | |
|---------------------------------|--------------|
| i) Annual rain fall (Max.) | : 0-100 cms. |
| ii) Max. ambient temp. in shade | : 50 Deg. C. |
| iii) Max. relative humidity | : 90% |
| iv) Min. temp. of air in shade | : 0 Deg.C |
| v) Min. relative humidity. | : 10% |

38.0 PAINTING:

38.1 All metallic surface exposed to the weather and requiring painting shall be given one suitable priming coat after derusting by sand/shot blast or chemical cleaning including phosphating as per IS:3618 and one coat of thermo-setting powder paint or two coats of zinc-chromate followed by two coats of synthetic anamel paint of dark admirally Grey shade conforming to shade No.632 of IS:1961 shall be applied. The rates for one coat spray painting without primer etc. shall also be quoted separately.

38.2 The inside of transformers shall be given suitable priming coat after derusting and two finishing coats of heat resistant (hot oil proof) paint which may not cause any deterioration of properties of the transformer oil by chemical reaction etc.

39.0 DISPATCH INTIMATION:

39.1. After satisfactory repairs and testing, the contractor is required to send **telegraphic /speed post / fax** /speed post / fax intimation to the consignee/stores officer under intimation to the concerned Superintending Engineer (O&M). The **telegraphic /speed post / fax** intimation will contain information regarding quantity and the amount of the bill.

39.2. In addition to above the contractor shall be required to send the monthly statement to the concerned S.E.(O&M) and S.E(MM&C) of quantities of the transformers of various makes, types and capacities received from various consignees, repaired and delivered back by 7th of every next month.

40.0 RESPONSIBILITY FOR SAFE CUSTODY OF TRANSFORMERS DURING THE REPAIR PERIOD:

The contractor shall be entirely responsible for the safe custody of transformers from the day damaged transformers are received by him from the consignee/stores officer upto the time of delivering back and will be fully responsible for any loss caused due to damage/ theft/ fire/floods etc.

41.0 STATEMENT OF TRANSFORMERS REPAIRED AND DELIVERED TO CONSIGNEE:

The contractor will be required to send the following details of the transformers repaired by him to the concerned Superintending Engineer (O&M) and Superintending Engineer (MM&C), JdVVNL, Jodhpur:-

- a) A copy of invoice pertaining to the particulars of transformers repaired by him immediately after delivery of the same to the concerned indenting/demanding officer(s).
- b) A statement of transformers received, repaired and delivered in the preceding month should be furnished in the following proforma, so as to reach by 7th of the following month.

S.No.	Name of Circle Store/ Sub-store.	No. of transformers received for repair during the month. reporting month	Progressive total of No. of transformers recd. for repair upto	No. of transformers for which joint inspection was carried upto end of month under report and estimates have also been approved.
1.	2.	3.	4.	5.
	No. of transformers repaired during the month under report.		Number of repaired transformers for which inspection & testing is pending.	Progressive total of number of transformers delivered after satisfactory repairs and testing upto the month under report
	6.		7.	8.

Transformer failed more than once during the guarantee period shall be counted for total number of failure for working out the percentage failure rate. The inadequate failure rate will effect performance adversely for the repairer firms and continuance during contract period. Contract is likely to be cancelled.

To watch the performance of the repairer firm, half yearly position of repaired transformers and failure thereof firm wise shall be compiled at the circle level and sent to be S.E (MM&C) for reviewing the same.

- c) Besides above fortnightly information about transformers failed in the GP and sent for repair, shall also be furnished by the repairing firm(s) in the following proforma to the SE(O&M) and SE(MM&C):

S.NO.	RATING	MAKE	TRNASFORMER SERIAL NO.	WORK ODER NO. & DATE	DATE OF REPAIR
1.	2.	3.	4.	5.	6.
	DATE OF FAILURE	DATE OF RECEIPT OF TRANSFORMER	DATE OF RE-REPAIR	PROGRAMME FOR REPAIR	REMARKS
	7.	8.	9.	10.	11.

42.0 RESPONSIBILITY OF CONTRACTOR AND COMPLETENESS:

42.1. The contractor shall be entirely responsible for the satisfactory execution of this contract in accordance with the terms of the rate contract laid down here-in.

42.2. Approval of the contract/sub-contract, test certificates or of tests carried out by the repairer or the representatives of the Nigam shall not relieve him from any of his obligations to meet out all the requirements of this specification or from the responsibilities for the satisfactory repair and working of the transformer(s) for the guarantee period.

43.0 INTER-CHANGEABILITY:

All parts shall be made accurately to standard gauge as far as possible so as to facilitate the replacement and repairs. All corresponding parts of similar make, type and capacity of transformers including the spare parts shall be interchangeable.

44.0 RATE CONTRACT WITHOUT PREJUDICE:

The rate contract shall be without prejudice to any of the terms of specification or the rate contract order of the Jodhpur Vidyut Vitran Nigam Limited or any rate contract of DGS&D or purchase department of any other Govt./Semi-Govt. Undertaking or of the other rate contract of the Jodhpur Vidyut Vitran Nigam Limited whatsoever it might be .

45.0 NUMBER/QUANTITY TO BE CONTRACTED FOR:

45.1 The approximate number of transformers to be got repaired are around 12,000 Nos. of various ratings. The orders for the repair of damaged distribution transformers shall depend on their capacity, delivery quoted, performance, workmanship, financial status of the contractor, pending orders in hand, firm's performance in executing pending orders apart from the rates quoted for such items as mentioned under schedule of prices.

45.2 The Nigam reserves the right to place order for any quantity for undertaking the repairs by the rate contracting firm(s) during the period of the contract or extension thereof. It also reserves the right of placing any supply order of articles or repairing the failed/damaged unit(s) provided that is included in the contract. If the total amount of the repairs is expected to exceed more than the estimated amount of the order at the time of taking job on actual repairs, this shall be intimated to the S.E (O&M), in advance who as an exceptional case may convey approval but limited to the economical limit of repair. In case it is found that the contractor is not in a position to supply/execute the specific quantities or number/ works within the period in which repairs/supplies/works are required to be completed, the job will be got lifted from the firm's premises and shall be got repaired departmentally or through any other firm after imposing the due penalties as per stipulations of Clause No. 19 above. The contractor(s) will make their own arrangements for procurement of raw material in time to deliver repaired transformers within specified time.

46.0 PARTIES TO THE CONTRACT:

Jodhpur Vidyut Vitran Nigam Limited represented by the Chairman and Managing Director which shall include his legal representative, successor or assignees shall constitute the one part of the contract. The Superintending Engineer (MM&C), JDVVNL, Jodhpur shall award the rate contract to the successful tenderers on behalf of the Jodhpur Vidyut Vitran Nigam Limited.

The firms having their works in jurisdiction of any of the three Discoms shall be considered as eligible for participating the subject tender.

47.0 PERIOD OF RATE CONTRACT:

The rate contract shall be valid initially for a period of **two year from the date of award of the Rate Contract** and further extension for **three months** or part thereof shall be considered provided percentage failure of the repaired distribution transformers in guarantee period is found satisfactory and within the prescribed limit. All the orders placed within this period shall be got executed by the contractor even though the delivery of the repaired equipment or spares supply order falls beyond the expiry of the rate contract period.

Nigam reserves the right to discontinue the repair work of distribution transformers in case the failure rate of repaired distribution transformers is observed more than 15%. The failure rate shall be worked out for minimum failure of two transformers. Subsequent failure of same transformer shall be counted in failure rate.

48.0 INSPECTION CHARGES FOR UNECONOMICAL UNITS:

A sum of rupees one hundred fifty (Rs.150/-) will be paid for handling of uneconomical transformers. However repairer will have to reseal the unit by tack welding at six places in presence of Nigam's representative. The repairer has to assemble the unit again i.e. core / HV, LV winding etc. In the actual position before tack welding instead of just dumping the parts in the transformer tank.

49.0 DOCUMENTS TO BE SUBMITTED:

49.1 The Bidder shall also furnish the following details alongwith other information as mentioned in the prescribed schedules of the bid documents:

- (i) List of partners /Directors with their permanent as well as present residential address and details such as their relationship, if any with the Nigam's employee(s).
- (ii) List of machineries/testing equipment with makes S.No. And other technical particulars as per Schedule-IX (A) & IX (B).
- (iii) Attested copy of proper valid SSI registration.
- (iv) Details of Rating wise transformers repaired and failed within GP for the period from _____or date of award to _____ under **CRC TN-1201**.
- (v) Details of factory set-up with blue print.
- (vi) Copy of latest Electric bill.
- (vii) Calibration report of the testing instruments from the Government Approved Lab.

49.2 In case all details as mentioned above are not furnished with the bid offer or proved false, the bidder offer shall be liable to be disqualified.

50.0 FAILURE TO EXECUTE THE ORDER:

In case of failure on the part of repairer to cope with the works within the specified period, the same will be got executed through some other agency even at higher rates and the difference in amount if any, will be recovered from the repairer.

50.1 In case of poor progress of repairs of transformers, Nigam reserves the right to curtail the allocation of quantity. If performance/progress of repairing is poor, then rate contract order shall be cancelled without giving any notice and/or assigning the reason by the Nigam.

50.2 The repairer shall have to complete all formalities such as agreement, furnishing of security deposit etc. within 15 days from the date of receipt of contract order, otherwise contract order shall be automatically treated as cancelled.

51.0 DISPUTES:

51.1 All disputes, differences or questions whatsoever which may arise between the Nigam and repairer upon or in relation to or in connection with this contract shall be deemed to have arisen at Jodhpur (Rajasthan) and no court other than court at Jodhpur (Rajasthan) shall have the jurisdiction to entertain or try the same.

51.2 In case of any question/disputes, differences whatsoever arise between the Nigam and contractor upon or in relation to the contract, the matter may be referred to the settlement committees constituted by NIGAM depositing requisite reference fee with Sr. Accounts Officer (MM&C), JdVVNL, Jodhpur.

52.0 MINIMUM REQUIREMENT FOR VENDOR REGISTRATION OF NEW REPAIRING FIRMS:

The following are the minimum requirement for new repairing firm(s) besides observing the formalities as prescribed in section-I/II of these tender documents:

1. Independent constructed factory shed.
2. Sufficient open land for storing of failed/repaired transformer(s) with movement of man / material / vehicle.
3. Loading & unloading facility for transformer(s).
4. Permanent electric connection
5. All necessary machinery for repairing of distribution transformers such as winding machine, drill machine, welding machine (electric / arc welding/ gas welding).

6. Oven for storing minimum 10 nos. of job of 11/0.433 KV distribution transformers.
7. Oil filter machine with sufficient capacity.
8. Chain pulley block of 2-ton capacity or electric hoist of similar capacity.
9. Testing equipments suitable to carry out all routine & acceptance tests as per IS: 1180 and IS : 2026 along with calibrated meters.
10. Test bench for conducting acceptance tests with high accuracy class of meters.
11. List of machinery as per Schedule-IX-A.
12. List of testing instruments as per Schedule-IX-B.
13. Proof of ownership deed.
14. List of partner / director(s).

SCHEDULE-III-A

PRICE VARIATION FORMULA (CRC-TN-1549)

Price variation shall only be permissible for HV/ LV Coils (Copper & Aluminium), Transformer Oil & Labour Charges for repair of damaged distribution transformers and to be regulated as per formula given below:

i) FOR ALUMINIUM HV COILS:

The prices of HV/LV Coils of aluminium wound transformers shall be based on the prices of EC grade aluminium wire rods (**LME CSP Average of Aluminium**) conforming to specification IS-5484/1978 as published in IEEMA Circulars (used for insulated cables i.e. IEEMA(PVC)CABLE) prevailing as on first day of the month one month prior to opening of tender. For increase/ decrease of Rs.1.00 per Kg. in base price of EC grade aluminium wire rods, the prices of HV/LV aluminium coils shall increase/ decrease by Rs.1.20 per Kg. without any ceiling.

ii) FOR COPPER HV COILS:

The prices of HV/LV Coils of Copper wound transformers shall be based on sale price of **Average LME settlement price of copper wire bars / rod** as published in IEEMA Circulars (used for insulated cables i.e. IEEMA(PVC)CABLE) prevailing as on first day of the month one month prior to opening of tender. For increase/ decrease of Rs.1.00 per Kg. in base price of HCL Copper wire rods, the prices of HV/LV copper coils shall increase/ decrease by Rs.1.10 per Kg. without any ceiling.

iii) FOR TRANSFORMER OIL:

The prices of transformer oil to be used in repair of distribution transformers shall be based on the prices of transformer oil as published in IEEMA Circulars (used for 'IEEMA/(PVC)/TR/OIL') prevailing as on first day of the month one month prior to opening of tender. The prices of transformer oil shall increase/ decrease correspondingly to the prices as published in the IEEMA Circulars for the relevant month i.e. for any increase/ decrease of Rs.1.00 in base price, the prices of transformer oil shall increase/ decrease by Rs.1.00 without any ceiling.

No variation shall be allowed on account of variation in the prices of steel drums.

iv) FOR LABOUR CHARGES:

The labour charges quoted for repair of distribution transformers shall be based on the All India Average Consumer Price Index Number for Industrial Workers (Base 2001 = 100) for the month one month prior to opening of tender. The repair charges shall increase/ decrease correspondingly on the basis of percentage increase/ decrease in All India Average Consumer Price Index number for the relevant month.

For calculation of price variation the prices of raw material mentioned above (Copper, Aluminium & transformer oil) as published in IEEMA Circulars one month prior and for labour charges, 3 months prior to actual delivery in the stores or of scheduled delivery whichever is less will be considered.

SCHEDULE-III-B

QUALIFICATION REQUIREMENT FOR REPAIR OF DAMAGED/ FAILED DISTRIBUTION TRANSFORMERS OF ASSORTED RATINGS

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

I) In case of old firms who have been awarded rate contract of repair of distribution transformers in previous TN and have failure rate above 15% of distribution transformers repaired by the firm, such firms shall be considered as non responsive. A certificate from the concerned store shall be attached with the tender.

II) The bidder should possess adequate testing facilities for carrying out routine & acceptance test of items as per relevant standard at their works. The bidder shall furnish documentary evidence in support for conducting routine & acceptance test.

III) 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.

IV) The bidder must furnish performance certificate against the contract awarded in previous TN which will be issued by the concerned ACOS for which the contract was awarded to the firm otherwise he will be responsible for Technical Non-Responsiveness.

V) (A) Black listing of a firm:-

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

- (i) There are sufficient and strong reasons to believe that the supplier or his employee has been guilty of malpractices such as manhandling/misbehavior with Government official by supplier or his partner/employee, bribery, corruption or abatement of such a offence in a position where he could corrupt Nigam's official, fraud, vitiating fair tender process including substitution of or interpolation in tender, mis-representation, pilfer-aging or unauthorized use or disposal of Nigam's material issued for specific work etc.
- (ii) Where a supplier or his partner or his representative has been convicted by a court of Law for offences involving moral turpitude in relation to the business dealing or where security considerations including suspected disloyalty to the Nigam/state so warrant the blacklisting.
- (iii) If the State Bureau of Investigation or any other authorized investigating agency recommends for blacklisting after completing the investigation.

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

Note :- 2 A 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 Bid Security/EMD/SD/SCBG/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.**

XII) 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.

SCHEDULE-IV-A

SECTION - IV

TENDER FORM

Ref No.....

From : M/s.....

.....
.....

To,

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

Sub: Tender for entering into the rate contract for repair of 11/0.433 KV
Distribution transformers against tender specification No.SE/MM&C/ EIAI/
CRC-TN-1201.

Dear Sirs,

With reference to your notice inviting tenders for entering into a rate contract for repair of 11/0.433 KV Distribution transformers against tender specification No.SE/MM&C/ CRC-TN-1549. We hereby offer to the Jodhpur Vidyut Vitran Nigam Limited, our price schedule and terms and conditions in conformity with the tender specification and annexed schedules and instructions.

1. PRICES:

The rates quoted in the price schedule annexed herewith are firm in all respect except for items at **I,II (1,2 & 13) for 3-phase** of the price schedule which are variable as per IEEMA Price variation clause **with base price as on 1st day of the month one month prior to opening of tender i.e. -01.03.2019 irrespective of date of opening the tender.** Further the prices of spare parts and all other items are exclusive of **Goods service tax GST@.....%** shall be charged extra on copper/ aluminium coil, and transformer oil whereas **Goods service tax GST@.....%** shall be charged extra, on all replaced parts against documentary evidence(s).

2. BID SECURITY:

Demand Draft No..... for Rs.....
(Rupees.....only) drawn on the
.....and payable on the Sr. Accounts Officer (Cash &
CPC), Jodhpur Discom, Jodhpur is attached herewith towards **BID SECURITY.**

OR

The bid security may be given in the form of bank guarantee [No..... issued on dated for Rs..... (Rupees.....only) valid upto dated and claim upto dated], in specified format, of a scheduled bank in favour of Superintending Engineer (MM&C), JDVVNL, Jodhpur up to stipulated date & time, and obtain a receipt/acknowledgement thereof. No other mode of deposit shall be accepted.

Note: 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.

3. SECURITY DEPOSIT:

We hereby confirm that in the event of our offer being accepted we shall furnish a bank guarantee for a sum of Rs. 25,000/- for each circle allocation within 15 days of award of contract in terms of clause No.19 (Section-III) of tender documents.

4. SECURITY FOR SAFE CUSTODY:

We undertake to deposit the amount as specified in clause No.20.1 of the Section-III of the specification towards safe custody of Nigam's damaged and defective transformers before receiving the same for repairs.

5. GUARANTEE PERIOD:

We undertake to guarantee the transformer(s) repaired by us for twelve (12) months from the date of dispatch to stores after repairs. Any defects noticed during the period of guarantee shall be attended on priority and the transformer(s) shall be repaired free of cost within a period of 30 days from the receipt of transformer(s) at our works, failing which delay in repairs will be counted towards delay in delivery/ repair. Subsequent repairs of such transformers shall carry a further guarantee of 6 months from the date of dispatch of transformers after re-repair or balance guarantee period whichever is later.

6. PERIOD OF RATE CONTRACT:

We hereby undertake and agree to execute the rate contract for a period of **two year from the date of award of the Rate Contract** and further extension for **three months** or part thereof .

7. VALIDITY OF TENDER:

Our this offer is valid for acceptance for one hundred twenty (120) days from the date of opening and we agree to extend the validity period if required for such period as may be Mutually decided.

8. We hereby confirm that all terms and conditions as stipulated in the tender documents and Annexures thereto are acceptable to us. The price schedule and tender schedules attached herewith form the integral part of the offer.

Encl:

- 1. Schedule of prices.
- 2. Tender form.
- 3. Schedule III to IX.

Signature of tenderer in full
with rubber seal

Date:

(Name in full and designation)

Phone No. with STD Code

No._____

Fax No._____

SCHEDULE-IV `A' (i)

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

To,

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

Dear Sir,

With reference to your tender against specification No. JdVVNL/SE/MM&C/TN-1549, for repairing the failed/ damaged distribution transformers of assorted ratings, we agree and confirm the following:-

1. The offer is valid for a period of 120 days from the date of opening of this tender.
2. The prices are variable with base date **01.03.2019 irrespective of date of opening the tender** as per P.V. Formula and IEEMA enclosed at Schedule-III-A with the specification.
3. We confirm all the terms & conditions as well as the technical stipulations of your specification No. JdVVNL/SE/MM&C/CRC-TN-1549 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

**OFFICE OF THE ASSISTANT CONTROLLER OF STORE
JdVVNL,.....**

The Sr. Accounts Officer (Cash & CPC)
Jodhpur Vidyut Vitran Nigam Ltd.,
Jodhpur.

Sub:- Performance Certificate in respect of 11/0.433 KV distribution transformers repaired against TN-1201 work order reference No..... date.....

The supplier M/s have completed the repair work of Nos. transformers under TN-1201 work order No. dated and 12 months performance guarantee period after repairs and supply to stores has passed satisfactorily.

It is also hereby certified that :

1. No transformer after repairs under this rate contract is reported to have failed and lying pending for the want of repairs.
2. No recovery/outstanding are due under this rate contract against the supplier.
3. In view of the above 10% / 5% amount as got deducted against the performance guarantee from the repair bills may be released.

Assistant Controller of Stores,
JdVVNL,.....

Copy submitted to the following for information and necessary action :

1. The Superintending Engineer (O&M),JdVVNL,
2. The Superintending Engineer (MM&C),JdVVNL ,Jodhpur

Assistant Engineer of stores
JdVVNL,.....

Schedule – VI (A)

JODHPUR VIDYUT VITRAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking
DEPARTURE/DEVIATION FROM TECHNICAL SPECIFICATION

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

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	Qty in	Order No.	Name & details	Date of
	of items supplied	Nos.	& Date	of purchasing authority	Completion
1	2	3	4	5	6

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

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

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

Schedule – IX

JODHPUR VIDYUT VITRAN NIGAM LIMITED

A Govt. of Rajasthan Undertaking

List of Equipments and Technical Hands Available with the Firm

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

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

1. Name and Address of Manufacturer.
2. Place where works exist.
3. Details of machinery particularly with B.H.P. of each item installed.
4. Details of staff employed in the works.
5. Date when started the manufacturing of item under reference.
6. List of items manufactured.
7. Literature and drawings of items manufactured showing their description, size, design and other important technical particulars.
8. Details of order so far, executed alongwith the names of organization to whom supplied.
9. Manufacturing capacity.
10. Is the workshop open for inspection by the representative of the board, if required?
11. Statement of financial resources and Banking Reference alongwith Balance-Sheet for previous two years.
12. Testing facilities available for the manufactured articles in the testing laboratory of works.
13. Whether the Firm is a small/medium/large scale industry.
14. Registration No. with :-
 - i. Small Scale, National/State.
 - ii. DGTD
 - iii. State Industries Department.

(Signature)

Name & Designation
with seal of the bidder.

SCHEDULE-IX-(A)
=====

LIST OF MACHINERY AT WORKS

SR NO	DESCRIPTION	QTY.	MAKE	SR.NO
1	HV WINDING MACHINE 1 HP	1 NO		
2	LV WINDING MACHINE 2 HP	1 NO		
3	AIR COMPRESSOR WITH MOTOR & OTHER ACCESSORIES	1 NO		
4	SPRAY GUN	1 NO		
5	DRILLING MACHINE	1 NO		
6	FLEXIBLE SHAFT GRINDER	1 NO		
7	JIB CRANE 1 TON CAPACITY	1 NO		
8	CHAIN PULLEY BLOCK WITH LOADING & UN LOADING ARRANGEMENT 2 TON CAPACITY.	1 NO		
9	DRIER WITH 1 HP MOTOR 8 KW CAPACITY 100 DEG. C TEMP	1 NO		
10	OIL FILTER MACHINE 120 GHP	1 NO		
11	VARNIER CALIPERS & GAUGE METER	1 NO		
12	WELDING MACHINE- 300 AMP	1 NO		
13	GAS CUTTING CYLINDER & EQUIPMENT	1 NO		
14	CIRCLE CUTTING MACHINE	1 NO		
15	WEIGHING MACHINE	1 NO		
16	SHEARING MACHINE	1 NO		
17	FLY PRES AND DIE FOR CUTTING DOVETAIL BLOCKS	1 NO		

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

SCHEDULE-IX-(B)**LIST OF TESTING INSTRUMENTS**

Sr No.	Item	Quantity	Make	Sr. No. of meter	Range	Accuracy	Date of calibration	Lab Report, CRT No. & Date
1.	VOLTMETER 0-150-300-600V (CLASS-1 ACURACY OR BETTER)	3 Nos.						
2.	AMMETER 0/10 AMP (CLASS-1 ACURACY OR BETTER)	3 Nos.						
3.	WATTMETER 0-750W (CLASS-0.5 OR BETTER) 0-150-300-600 V 5/10 AMPS RANGE	3 Nos.						
4.	RATIOMETER RANGE 111.1	1 No.						
5.	MEGGAR 2500 VOLTS	1 No.						
6.	HV TRANSFORMER 0-50 KV	1 No.						
7.	LV TRANSFORMER 0-3 KV	1 No.						
8.	PORTABLE CURRENT TRF. CLASS 0.5	3 Nos.						
9.	PORTABLE POTENTIAL TRF. CLASS 0.5	3 Nos.						
10.	OIL TESTING SET (0-100KV)	1 No.						
11.	DOUBLE VOLTAGE GENERATOR 100 CYCLE 250,500,1000 V	1 No.						
12.	STOP WATCH	1 No.						
13.	CLIP ON METER	1 No.						
14.	WHEATSTONE BRIDGE	1 No.						
15.	DIGITAL METER OR KELVIN BRIDGE	1 No.						
16.	INTERMEDIATE TRANSFORMER	1 No.						
17.	PANEL METERS OF TEST BENCH WITH FREQUENCY METER	1 No.						
18.	MULTIMETER	1 No.						

NOTE: ALL THE TESTING INSTRUMENTS SHALL BE CALIBRATED ONCE IN A YEAR IN GOVERNMENT APPROVED LABORATORY.

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

APPENDIX-A

PROCESS CARD FOR REPAIRING OF DISTRIBUTION TRANSFORMERS

CUSTOMER:

DATE:

WORK ORDER NO. :

ESTIMATE NO:

MAKE

APPROVAL NO.:

KVA/KV

SERIAL NO

S.NO. PROCESS STAGE PASSED DEFECT INITIAL & DATE

- 1 CORE
- 2 LV ASSEMBLED
- 3 HV ASSEMBLED
- 4 FIRST RATIO TEST A)
 (BEFORE CONNECTION) B)
 C)
- 5 FULL YOKE CORE CLAMPING
- 6 CONNECTION
- 7 SECOND RATIO TEST A)
 (AFTER CONNECTION) B)
 C)
- 8 OPENING IN DATE OUT DATE
- 9 I.R.VALUE (BEFORE TANKING)
 HV/EARTH
 LV/EARTH
 HV/LV
- 10 FITTING ON TANK & COVER
 - a) HV BUSHING
 - b) HV METAL PARTS
 - c) HV TOP METAL PARTS
 - d) LV BUSHING
 - e) LV METAL PARTS
 - f) LV TOP METAL PARTS
 - g) OIL LEVEL GAUGE
 - h) CONSERVATOR CLEANING
 - i) EXPLOSION VENT
 - j) VALVE (SIZE....)
- 11 BDV OF OIL IN KV
- 12 TANKING DATE
- 13 I.R.VALUE (AFTER TANKING)
 HV/EARTH
 LV EARTH
 HV/LV
- 14 PRE-SEALING TEST
 - a) NO LOAD TEST
 - b) D.V.D.F.TEST
 - c) FULL LOAD TEST
 - d) HV TEST
- 15 SEALING & PAINTING
- 16 FINAL TESTING

APPENDIX-B

S.NO.	DESCRIPTION
1.	NAME OF REPAIRING AGENCY
2.	ADDRESS & PHONE NO. i) OFFICE ii) WORKS
3.	i) SSI REGISTRATION NO. & DATE (COPY TO BE SUBMITTED) ii) WHETHER THE FIRM IS SMALL/ MEDIUM/ LARGE SCALE INDUSTRY.
4.	DETAILS OF SHED (COPY OF LAY OUT IS TO BE SUBMITTED) a) OPEN AREA b) BUILT UP AREA
5.	TYPE OF SHED- OWN/RENTAL (COPY OF DOCUMENT OF OWNERSHIP/RENTAL IS TO BE SUBMITTED)
6.	PROPRITERSHIP/PARTNERSHIP (COPY OF DOCUMENT OF OWNER- SHIP/RENTAL IS TO BE SUBMITTED) a) NAME OF PROPRIETOR b) ADDRESS & PHONE NO. OFFICE RESIDENTIAL c) LIST OF PARTNERS ADDRESS PHONE NO. (OFFICE/RESIDENTIAL)
7.	NAME OF QUALIFIED ENGINEERS. a) ADDRESS & PHONE b) QUALIFICATION c) EXPERIENCE (COPY OF CERTIFICATE/ MARK SHEET ALONGWITH PHOTOGRAPH & EXPERIENCE CERTIFICATE ARE TO BE SUBMITTED)
8.	NUMBER OF WORKERS a) SKILLED b) UNSKILLED
9.	LIST OF MACHINE/EQUIPMENTS (LIST AS PER APPENDEX-B1 IS TO BE SUBMITTED)
10.	LIST OF INSTRUMENTS (LIST AS PER APPENDIX-B2 IS TO BE SUBMITTED)
11.	PLANT MACHINERY LAYOUT TO BE SUBMITTED.

12. ELECTRICITY SUPPLY
 - a) NAME OF CONSUMER
 - b) CONSUMER NUMBER
 - c) CONNECTED LOAD
(COPY OF LIGHT BILL IS TO BE SUBMITTED)
 13. **DETAILS OF FAILURE RATE OF LAST CONTRACT CRC TN-1201 UPTO 31.03.2019 (AS PER SCHEDULE-IX)**
 14. CAPACITY OF REPAIRING/ MONTH.
 15. PREFERENTIAL CIRCLE FOR ALLOTMENT
PREFERENCE 1
 - 2
 - 3.
 16. DATE WHEN STARTED THE MANUFACTURING OF ITEM UNDER REFERENCE.
 17. LIST OF ITEMS MANUFACTURED.
 18. LITERATURE AND DRAWINGS OF ITEMS MANUFACTURED SHOWING THEIR DESCRIPTION, SIZE, DESIGN AND OTHER IMPORTANT PARTICULARS.
 19. DETAILS OF ORDER SO FAR EXECUTED ALONGWITH THE NAMES OF ORGANISATION TO WHOM SUPPLY.
 20. MANUFACTURING CAPACITY.
 21. IS THE WORK SHOP OPEN FOR INSPECTION BY THE REPRESENTATIVE OF THE NIGAM, IF REQUIRED.
 22. STATEMENT OF FINANCIAL RESOURCES AND BANKING REFERENCE ALONGWITH BALANCE SHEET FOR PREVIOUS TWO YEARS.
 23. TESTING FACILITIES AVAILABLE FOR THE MANUFACTURED ARTICALS IN THE TESTING LABORATORY OF THE WORKS.
-

NAME & SIGNATURE
WITH DESIGNATION &
SEAL OF THE FIRM

Schedule - XI

Format of Affidavit

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

I, _____ S/o _____ Aged____ Years 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 Center, _____. The acknowledgement No. is _____ dated _____ and has been issued for manufacture of following items:-

- (i)
- (ii)
- (iii)
- (iv)

(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
Director/

Signature of Proprietor/

Authorized Signatory with 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-A

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

PERFORMA OF BANK GUARANTEE FOR BID SECURITY

(Bank Guarantee in lieu of bid Security on non-judicial Stamp Paper of Rajasthan State of 0.25% of the B.G. value or Rs.25,000/-, whichever is less)

To,

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

1. Whereas _____ (name of the Bidder) (hereinafter called "the Bidder") has submitted its bid dated ____ (date of submission of bid) for _____ (name of contract/ name of the material with Bid no. / TN No. ____) (hereinafter called 'the Bid').
2. KNOW ALL PEOPLE by these presents that WE _____ (name and address of branch of Bank) of _____ (name of country), having our registered office at _____ (addresses of bank) (hereinafter called 'the Bank"), are bound unto _____ (name of Purchaser) (hereinafter called "the Purchaser") in the sum of Rs. *_____ for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents sealed with the Common Seal of the said Bank this _____ day of _____ 20____.
3. THE CONDITIONS of this obligation are :
 - i. If the bidder withdraws its Bid during the period of bid validity specified by the Bidder in the Bid Form; or
 - ii. If the bidder refuses to accept the correction of error in his Bid; or
 - iii. If the bidder, having been notified of the acceptance of its Bid by the purchaser during the period of bid validity:
 - a. Fails or refuses to execute the Contract Agreement within the time specified in purchase / work order, if required, or
 - b. Fails or refuses to furnish the performance security within the time specified in purchase / work order in accordance with the GCC, or
 - c. Fails to commence supply of goods or services or execute work as per purchase / work order within time specified.
 - iv. If the bidder breaches any provision of the Code of integrity specified in the RTPP Act and Chapter VI of the RTPP Rules.
4. We undertake unconditionally and irrevocably to guarantee as primary obligator and not as surety merely to pay to the

purchaser a sum of Rs. _____ (in words Rs. _____) upon receipt of its first written demand, without the purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or all of the three conditions specifying the occurred condition or conditions.

5. The decision of the Superintending Engineer (MM&C), Jodhpur Vidyut Vitaran Nigam Limited, Jodhpur shall be final whether breach has been committed on the right to demand the amount of guarantee from us which has accrued to the purchaser.
6. This guarantee shall not cease or determine, if the purchaser grants time or indulgence or vary the terms of the contract with the Contractor or without our consent or knowledge.
7. The guarantee herein contained shall not be affected by any change in the constitution of the Contractor.
8. We _____ (Bank Name) further undertake not to revoke this guarantee during its currency except with the previous consent of the Superintending Engineer (MM&C), Jodhpur Vidyut Vitaran Nigam Limited, Jodhpur.
9. All disputes arising under the said guarantee between the Bank and the Nigam or between the Contractor and the Nigam pertaining to the guarantee, shall be subject to the jurisdiction of the Courts in Jodhpur, Rajasthan alone.
10. This guarantee will remain in force up to and including one hundred eighty (180) days after the date of the opening of bids, i.e. upto _____, with a further grace period of Ninety (90) days and any demand in respect thereof should reach the Bank not later than the above date.

Yours faithfully,

Bankers (EXECUTANT)

Signed by the above named Bank in presence of :
(signature with full Name and Address)

Witness :

1. _____.
2. _____.

Attested by Notary Public, First Class Magistrate or directly confirmed by the executing Bank.

* The Bidder should insert the amount of the guarantee in words and figures denominated in the currency of bid.

Note : In case the bid is submitted by a Joint Venture, the Bid Bank guarantee shall be in the name of Lead partner or in the name of joint venture partners submitting the Bid covering all the partners of the joint vent

AMENDMENT IN ITB AND GCC

- 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 estimated 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) **upto 3.00 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 The Superintending Engineer (MM&C), JDVVNL, Jodhpur, be deposited to the Sr. Accounts Officer (MM&C), JDVVNL, New Power House, Industrial Area, Jodhpur-342003 **upto 3.00 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 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) and also submit a letter for the offered quantity by them alongwith an Affidavit for MSME unit of Rajasthan in the enclosed format as per Schedule XI is to be furnished on non-judicial stamp paper of Rs.100/- duly attested by Notary public, to the office of Sr. Accounts Officer (MM&C), JDVVNL, Jodhpur. The Bid Security bank guarantee of requisite amount shall be furnished on non-judicial stamp paper of Rajasthan State. Also furnish the undertaking for the CA certificate in the enclosed format as per **Annexure-I** on non-judicial stamp paper of Rs.100/- duly attested by Notary public alongwith the original / notorised CA certificate as per requirement of tender specifications.

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

The Micro, Small & Medium Scale Industries of Rajasthan and sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR) shall furnish self-attested documentary evidence duly attested by Notary to claim the above.

- 2) Wherever Performance Bank Guarantee (PBG) and Composite Bank Guarantee (CBG) are appearing in the ITB, GCC & other Bidding Documents, same are hereby replaced by PERFORMANCE SECURITY as under:-**

PERFORMANCE SECURITY:

- (i) Performance security shall be solicited from all successful bidders except the department's of the State Government and undertakings, corporations, autonomous bodies, registered societies, co-operative societies which are owned or controlled or managed by the State Government and undertakings of the Central Government. However, a performance security declaration shall be taken from them. The State Government may relax the provision of performance security in particular procurement or any class of procurement.
- (ii) The amount of performance security shall be **five percent** of the amount of supply order in case of procurement of goods and services and **ten percent** 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 **one percent** 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 **two percent** 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) G.S.T. will be charged extra at the prevailing rate on all the Settlement Fees as applicable and amended time to time.**

- 6) The Clause No. 1.43 of GCC has been amended to the extent as under:**

1.43 DUE DATE OF PAYMENT:

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

Appendix-B

Instructions

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

Annexure 'A'

(SELF ATTESTED UNDERTAKING TO BE GIVEN ON FIRM'S LETTER HEAD)

We, the undersigned declare that:

- 1. Our firm, its affiliates of subsidiaries including any subcontractor or suppliers for any part of the contract have not debarred by the state government or the procuring entity or a regulatory authority under any applicable law.**

- 2. We declare that we have complied with and shall continue to comply with the provision of the code of integrity including conflict of interest as specified for bidders in the RTPP Act 2012, RTPP Rules 2013 and the bidding document during the procurement process and execution of contract till completion of all our obligation under contract.**

Firm's Name

Seal & Signature