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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 4.00 p.m. upto one WORKING day prior to schedule date of opening** of respective bid or Bank Guarantee, in specified format, of a scheduled bank in favour of Superintending Engineer (MM&C), JDVVNL, Jodhpur, be deposited to the Sr. Accounts Officer (MM&C), JDVVNL, New Power House, Industrial Area, Jodhpur-342003 **upto 4.00 p.m. upto one WORKING day prior to schedule date of opening** of respective bid, **and obtain a receipt / acknowledgement thereof. No**

other mode of deposit shall be accepted. At 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 depositing 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

JODHPUR VIDYUT VITARAN NIGAM LIMITED**MATERIAL MANAGEMENT CIRCLE****NEW POWER HOUSE, INDUSTRIAL AREA, JODHPUR-342003**

Corporate Identity Number (CIN)-U40109RJ2000SGC016483 GST No. – 08AAACJ8578R1ZJ

Phone: (0291)2742223/Fax: (0291) 2746539/E-Mail-semmcjdvvnl@gmail.com**BIDDING DOCUMENTS FOR REPAIR OF DAMAGED/ FAILED 33/11 KV 3.15 MVA, 5.0 MVA & 8.0 MVA 33/11 KV POWER TRANSFORMERS UNDER SPECIFICATION NO.JUD/SE (MM&C)/XEN/MM-I/TN-1394.**Tenders are to be submitted online in electronic format on website <http://eproc.rajasthan.gov.in>. The details are as under-

A	NIT No.	TN-1394
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	01.12.2017 (Irrespective of tender opening date)

IMPORTANT DATES

S.N.	Events	Date & Time	Location
1	Date of downloading of tender specifications	Up to 02.01.2018 (06:00 PM)	www.jdvvn.com & http://eproc.rajasthan.gov.in
2	Deposit of cost of Tender Specifications, Processing fee & Bid Security (BC/DD)	Up to 02.01.2018 (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 03.01.2018 (12:00 NOON)	http://eproc.rajasthan.gov.in
4	Opening of Technical Bid	03.01.2018 (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 up to stipulated date & time, 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.**

NOTE:-

- 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.**
- 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.**

SECTION-III(i)**TECHNICAL SPECIFICATION FOR REPAIR AND TESTING OF DAMAGED POWER TRANSFORMERS OF 33/11 KV RATING FROM 3.15 MVA TO 8.0 MVA AGAINST TN-1394****1. SCOPE:**

This specification covers assessment and estimation for repairs involved in complete repairs, testing, delivery and safe custody of 3150 KVA, 5000 KVA & 8000 KVA rating of 33/11 KV copper wound power transformers of various makes, types and capacities lying damaged at various sites/circles stores of the Jodhpur Vidyut Vitran Nigam Limited on Rate Contract Basis.

2. REPAIR WORK:

The repair work shall involve lifting of Power Transformer from stores, opening of transformers cover, draining of oil, de-tanking of core and coil assembly, cleaning, washing of dust and dirt from all parts including core, tank and cooling tubes radiators etc. joint inspection for estimate, replacement of defective parts, providing locking arrangement as per enclosed drawing on all valves & plugs, assembly, stage inspection, re-tanking, filling fresh oil, oil filtration, marking and painting etc. and testing the repaired transformers for all the routine tests and heat run test as per IS:2026 with latest amendments and delivery after repair at Nigam's stores.

3. REPLACEMENT OF PARTS:

This will involve removal of damaged parts requiring replacement, supply of parts such as HV & LV leg coils, bushings, gaskets, breather, oil level gauge, tapping switch, oil drain and filter valves, cover bolts, plug cap and screws, transformer oil etc., fittings, fixings and making connections complete in all respect for satisfactory operations after repairs in normal working conditions.

4. WINDINGS:

4.1 The damage winding requiring replacement shall be replaced by windings identical to the original one in respect of cross section of conductor, No. 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 shall be supported, between adjacent section by insulation's, spacers and the barriers, bracing's 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 winding.

4.2 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. 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.

- 4.3 The winding shall be compact and symmetrical about the centre line of the core and shall be formed on suitable synthetic resin bonded paper sheets grade conforming to the requirement of BSS:1137/1949 or any amendment thereof and the size of sheets shall be identical to those used in the original transformers.
- 4.4 The HV & LV winding of all three phases will be as per original design of the transformer.
- 4.5 The conductor inner layer insulation shall be of suitable material conforming to relevant latest BSS of ISS and shall be of such sizes and material as provided in the original transformer. The leg coils shall be provided with oil ducts wherever required.
- 4.6 The number of coils per limb, the resistance and 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 shall remain same as that of the original transformers.
- 4.7 All threaded connections shall be provided with suitable locking devices. All leads from the winding to the terminals and bushings shall be rigidly supported to prevent damage due to vibration/transportation. It would be preferable to use sleeves/SRBP tubes wherever practicable on the leads taken out from windings to terminals and bushings.
- 4.8 The windings shall be clamped securely and placed so that they will not be displaced or deformed during short circuits. The assembled core and winding shall be vacuum dried in vacuum chamber and suitably impregnated with insulating varnish before removal from the treating tank. The tendered will specifically indicate, if he has got facilities and equipment for vacuum impregnation. The conductors used in the coil structure shall be best suitable to the requirements and all permanent current carrying joints in the windings and the leads shall be brazed/welded preferably rigidly clamped.

5. **TAP CHANGING SWITCH:**

Wherever off load tap changing switch requires replacement, it shall be provided on the HV windings matching to the requirements of power transformers in steps as provided originally on transformer. Charges of repair of OLTC for transformer of 3.15 MVA, 5.0 MVA & 8.0 MVA shall be indicated separately.

6. **(A) CORE LAMINATION:**

- 6.1 The core lamination required to be used, if any, shall be of high grade, non-ageing, low loss and high permeability cold rolled silicon steel laminations of proper grade and as far as possible shall be identical to the one used in the original transformer.
- 6.2 After being sheared to size the lamination shall be heat treated and provided with insulation which shall be inserted to the hot transformer oil. The nature of insulation of laminations shall be specified in the tender.
- 6.3 After clearing dust and dirt from the 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.

- 6.4 The core and the coil assemblies shall be so fitted in the tank that shifting may not occur and original clearance is maintained when the transformer is moved/transported or during the short circuit conditions.

6 (B) MAKES & FITTINGS OF ACCESSORIES REQUIRED TO BE REPLACED:-

The fittings & accessories wherever required to be replaced, the same shall be provided from the following makes only:-

S.No.	Fitting & Accessories	Makes
1	Buchholz relay	Atvus, Sukrat, Suvidha.
2	Winding Temperature Indicator/ Oil Temperature Indicator	OTI/WTI Model integrated RTD Scheme for ROTI/RWTI with remote indicator of M/s Preci Measure Control Pvt. Ltd./Thermal System, Belltek
3	Magnetic type oil level gauge	Atvus, Sukrat, Instrument & Control
4	Radiator Valve	Hari Industries, Atvus, Vinayak, Vimal Techno, Petsun, Kailash
5	Filter valve & Drain valve	Zolote, L&T, G.G., Leader, Uttam, Punjab Metal (ELMS mark), Leader, Hari Ind., Newman Ind.

Radiator valves shall have clear & distinct OPEN/CLOSE indication embossed/ casted as well as painted on the both sides of main body of valve. Radiator valve should have zero leakage with cap remove.

6 (C) LOCKING ARRANGEMENTS:

To curb the theft of oil from power transformers, the following parts are either required to be blocked/ plugged or provided under provisions of locking:-

S. No.	Transformer Part	Mode of blocking
1.	Conservator drain plug/ valve	Cap shall be provided as per drawing `b'.
2.	Both oil filtration valves	Cap shall be provided as per drawing `a'.
3.	Transformer Oil drain valve.	Cap shall be provided as per drawing `a'.
4.	Radiator drain plug (Bottom)	Cap shall be provided as per drawing `c'.
5.	Radiator Air release plug (Top)	Locking on top for which provision is to be provided by firm and informed to SE(MM) for approval.
6.	Conservator filling hole.	To provide locking arrangement for which provision is to be provided by firm and informed to SE(MM) for approval.
7.	Air release plug on top cover.	To provide wire mesh cap arrangement so that air can be released.

Drawing is enclosed.

7. **FREQUENCY:**

The repaired transformers shall be suitable for continuous operation with a frequency variation of plus minus 3% from normal frequency of 50 cycles per seconds without exceeding permissible temperature rise.

8. PARALLEL OPERATIONS:

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

9. NO LOAD VOLTAGE:

The no load voltage ratio of the repaired transformers shall be same as that of the original transformer (33/11 KV) or otherwise will be specified/marked clearly.

10. HIGHEST SYSTEM VOLTAGE:

The highest system voltage may be as high as 36 KV on HT side and 12 KV on LT side. The repaired transformer shall be suitable for continuous operation with this voltage on the HV/LV side.

11. TRANSFORMER OIL:

Normally the fresh transformer oil for filling in the repaired transformers shall be made available by the Nigam 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 transformers or actual, whichever is less.. Filtration and filling of the oil in the transformer shall be done in the presence of Nigam's representative. 0.5% extra transformer oil shall also be supplied by Nigam.

In the event of non-availability of the transformer oil with the Nigam the Superintending Engineer (MM), Jodhpur shall authorize the contractor to use their own new transformer oil. Filtration charges and extra oil will not be admissible in such case and quantity of oil shall be allowed as per name plate or actual, whichever is lower.

However in case of Power Transformer originally supplied under World Bank Loan, actual quantity of oil shall be allowed. The make of transformer oil shall be either RTS/ APAR/ SAVITA/ SARAVATI PETROCHEM/ RAJ LUBRICANTS/ LUBRICHEM, MUMBAI/ RAJ PETRO, MUMBAI/ PANAMA PETROCHEM, ANKLESHWAR/ TASHKENT OIL, BARODA/ COULMBIA. The transformer oil whenever provided by the contractor shall be tested oil and shall conform to the various tests as per ISS: 335/72. In case the testing facilities are not available with the contractor the sample of oil taken out be Nigam representative shall be got tested at Nigam's laboratory Discoms with any testing charges to be borne by the contractor.

The contractor shall furnish account of transformer oil to the consignee every month.

12. TESTS:

12.1 All the repaired transformers shall be subjected to all the routine tests as per IS:2026/1977 with latest amendments as detailed below :

- a) Measurement of winding resistance.
- b) Impedance voltage, short circuit impedance.
- c) Ratio polarity and phase relationship.

- d) Load losses.
- e) No load current at normal voltages.
- f) Insulation resistance.
- g) Induced over voltage withstand test.
- h) Separate source voltage withstand test for HV and LV.
- i) Checking of repair work in confirmation to the Joint inspection report and approved estimate.
- j) The tenders will mention clearly that they have got requisite testing facility.

12.2 The fresh transformer oil filled in shall also be tested for its dielectric strength in accordance with IS:335/72 (amended upto date)

12.3 The load losses of transformers shall be measured either by power analyser or three watt meter method comprising of 3 watt meters, 3 voltmeters and 3 ammeters of appropriate class of accuracy. The load losses (copper losses) shall not exceed the maximum original value plus 15% tolerance after repairs.

12.4 The voltage ratio shall be subjected to a tolerance of plus minus 0.5%. The percentage impedance shall not exceed its original value plus tolerance as per ISS.

12.5 If the value of load losses and voltage ratio of the repaired transformer are beyond the limits, the transformers will be declared un-economical and the contractor shall be at his liberty to remove the coils/parts provided by him and return the transformers to the respective consignees. However, no charges for repair of such transformer will be payable except **Rs. 5,000/-** which is fixed towards un-economical transformers.

12.6 Induced over voltage withstand test and separate source voltage withstand test shall be carried out on 75% value of the original design value of the transformer. Since all HT and LT leg coils are changed in the transformer as such both the tests shall be carried out on the 100% value of the original design value for HV or LV side respectively.

12.7 Magnetising current (no load current) of the repaired transformer when measured should not exceed 2% of full load current upto 3.15 MVA and 3% for 5MVA & 8MVA rating subject to tolerance of + 30% as per IS:2026 Part-I (latest).

12.8 **STAGE INSPECTION:** The stage inspection for repair of power transformers shall be carried out at the works of the repairer firm by the nominated officers of Nigam after the windings are assembled and before these are put in tank. While carrying out the joint inspection for estimation before repair, weight of the coils, conductor dia and ID/OD of the winding shall be taken/measured and same measurements shall also be taken during stage inspection and mentioned in the report. Both the measurements should be similar otherwise lower weight either in joint inspection or stage inspection shall be considered for payment. To carry out the stage inspection, the firm shall intimate to the concerned Zonal Chief Engineer (O&M)/ C.E. (O&M), seven (7) days in advance for deputing the inspecting officer. In case inspecting officer does not reach to the Firm works for carrying out the inspection within the specified period the delay shall be on Nigam's account.

12.9 MARKING & PROVIDING ORANGE BAND ON REPAIRED TRANSFORMERS:

13.1 After satisfactory repair and testing the contractor shall have to provide non-detachable metallic plate with engraved following details of the repaired transformers for the purpose of identification.

- 1) Repaired by M/s.
- 2) CRC No. JUD/SE/MM/XEN/MM-I/TN-/D. dt.
- 3) Rating KVA Tr. Sr. No. Make.
- 4) W/O. No. _____ date _____
- 5) Date of delivery/despatch
- 6) Delivered at stores
- 7) Date of expiry of GP Dt. of 1st re-repair.
- 8) Date of expiry of GP after 1st re-repair Dt. of 2nd re-repair.
- 9) Date of expiry of GP after 2nd re-repair Dt. of 3rd re-repair

The above details from Sr. No.1 to 9 shall also be punched/embossed on the cover of the transformer.

On every re-repair of transformer the date of repair and date of expiry of guarantee period shall have to engraved on rating plate by the contractor.

The original name plate of transformer will be retained on the repaired transformers.

13.2 The following details shall be punched by the repairer on tank or embossed on a steel plate of 75 mm x 75 mm x 2.5mm permanently welded on the tank body below the middle HV bushing in clearly visible position.

“ JdVVNL - CRC – TN -.....”
 -----KVA Sr. No.-----
 Make ----- R. Firm name

13.3 A 100 mm wide orange band of paint all around the transformer and radiator on all the transformers repaired shall be provided invariably approximately at the middle of the sides of the tank of the transformer for identification of the repaired transformer easily. The shades of this orange paint shall be in canary orange colour of ISI/shade No.309. This paint will also be provided after proper treatment of the surface of the transformer, if the transformer is reported failed again after repairs, another 100 mm wide orange band will also be painted at 50mm above the surface of the first paint so as to identify clearly the second repair of the transformer. Similarly in case of future repairs each additional band in orange paint will be provided on subsequent repairs of the transformers. This orange band will be painted after final grey painting of the repaired transformer.

13.4 **Testing in the Nigam in House Laboratory (CTL):-**

- i) CTL testing will only be carried out on those transformer who have been tested in CTL at the Time of supply (supplied against TN-1892 and in subsequent TNs thereafter) or Transformers supplied under World Bank loan where one transformer selected for each DI was tested in CTL/ Santhala Power. The Load losses observed at the time of supply in CTL/ Santhala Power shall be the reference value for acceptance with allowable Tolerances.

- ii) The following tests after satisfactory Testing and repair at Firm's work shall be carried out at CTL:
 - a) Magnetizing current will be measured at 100% of rated voltages.
 - b) Load losses by Resistance Calculation method.
 - c) Percentage Impedance (tolerance as per IS on guaranteed name plate value shall be allowed).

- iii) XEn (CTL), JdVVNL shall provide 2 Nos. Poly-carbonate Seals on diagonally opposite side of Transformer after successful testing in CTL as a token of proof that Transformers have been tested at CTL. If results found beyond acceptable limits, transformer will be declared un-economical and repairing firm at liberty to remove the coils/parts provided by them. However no charges for repair of such transformer will be payable except Rs. 5,000/-which is fixed towards un-economical transformers.

- iv) Other Transformers will be accepted on the basis of successful testing at Firm's works only.

SCHEDULE III (ii) TN-1394**CONDITIONS OF RATE CONTRACT FOR REPAIR OF POWER TRANSFORMERS.****1.0 INTRODUCTION:**

- 1.1 Copper wound 33/11 KV Power Transformers approximately 200 in numbers of assorted makes, type and of capacities ranging from 3150 KVA to 8000 KVA are to be repaired.
- 1.2 These transformers are installed in various division of Jodhpur Vidyut Vitran Nigam Ltd. After satisfactory repairs and testing, the transformer may be used in any area of Jodhpur Discom.

2. SCOPE OF WORK:

- 2.1 This specification provided for assessment and estimation of damaged transformer to be repaired at contractor's works involving lifting of Power Transformer from Stores, opening of transformers, draining of salvage oil, de-tanking of core and coil assembly, cleaning and washing of dust and dirt from all parts including core, tanks and cooling tubes, joint inspection for estimate and stage inspection after assembly of windings, re-tanking after assembly of all parts after replacement or repairing of the damage parts, filling required of fresh oil, oil filtration, painting marking and testing as per ISS and delivery of Power Transformer at Nigam's stores.
- 2.2 This specification also provides for supply of parts requiring replacement such as HV & LV leg coils, bushing, gaskets, breather, oil level gauge, tapping switch, oil drain and filter valve, fresh transformer oil, cover bolts, plugs, caps, screws and other sundry items necessary for complete repair of transformer.
- 2.3 After repairs the transformers shall be subjected to all the routine tests as per IS-2026/1977 with latest amendments and the transformer oil shall also be subjected to the tests as per IS-335/72 (latest amendments). All the tests shall be carried out in the presence of an authorised 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 transformers can be used for efficient performance under the various operating and atmospheric conditions detailed elsewhere in these specifications.
- 2.4 After satisfactory repairs and testing, the contractor shall have to deliver the transformers to the respective Nigam's Stores. However, wherever CTL testing is required, Transformer shall be routed through CTL and shall be delivered to the respective stores after successful CTL testing.
- 2.5 To and fro transportation including loading & unloading at Nigam's store & firm's works shall be arranged by contractor for which necessary rates for transportation from stores to contractor's works and back including loading & unloading at Nigam's store & firm's works shall be furnished in schedule of prices.

3. PRICES:

- 3.1 The tenderers are required to quote their prices as per price schedule appended herewith. 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.
- 3.2 The rates for the items **1.1, 1.2, 1.3, 2.1, 2.2, 12.0 & 13.0** of "Schedule of Prices" should be quoted variable as per price variation formula enclosed at Schedule-III(A) without any ceiling and for the rest of items of the price schedule unit rates quoted shall be on 'FIRM' price basis and no price variation shall be allowed. For claiming payment of leg coils and transformer oil, the contractor shall certify that there is no negative price variation on the items **1.1, 1.2, 1.3, 2.1, 2.2, 12.0 & 13.0**
- 3.3 The bidder shall quote the prices separately for repair charges in case the transformer have minor defects and does not require replacement of HT/LT coils. The guarantee for such transformer shall be limited to the replaced/repared parts only.
- 3.4 **(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.

4. DELIVERY:

Due consideration in placing of the order against rate contract will be given to such successful contractor(s), who will quote higher rate (MVA/Month) of delivery for the repair of transformers. Tenderers must specify clearly repair rate of transformer in MVA/month and time to be taken in repair after receipt of work order. The transformer shall be repaired and delivered to the respective Nigam's store within 60 days of date of receipt work order or 15 days from the issue of oil whichever shall be later. 7 days advance notice shall given by the firm for deputing the inspecting officers by the Nigam. The requisition for the issue of oil shall also be given seven days advance. The time taken in deputing inspecting officer for stage inspection and final inspection are covered in above delivery period.

5. DELAY IN DELIVERY:

If the transformers are not delivered duly repaired within the specified delivery period, as mentioned in the delivery schedule, an amount at the rate of half percent per week or part thereof subject to maximum 5% of the **of the estimated**

cost of the respective transformer shall be recovered from the contractor. The **Estimated Unit Cost** of the transformers, rating wise, for working out such recovery shall be as under:

S. NO.	Rating of the Transformer under repair	Unit Cost (in Rs.)
1	3150 KVA	20.0 Lac
2	5000 KVA	28.0 Lac
3	8000 KVA	33.0 Lac

Such amount of penalty towards delay in delivery shall be deducted from the contractor's bills as would be preferred to the Sr. Accounts Officer (Cash & CPC) of JDVVNL, Jodhpur failing which the bill shall not be entertained. In case the transformers are not returned after repairs within a period of six months, the Nigam shall have the right to cancel the order and forfeit the security deposits and bank guarantee as available with them and to get the repair work done from some other party at the risk, cost and responsibility of the contractor. Date of delivery shall be considered as date of receipt of Power Transformer in the Nigam's stores for the purpose of penalty.

6. **SECURITY DEPOSIT FOR SAFE CUSTODY OF TRANSFORMERS:**

- 6.1 The contractor shall furnish bank guarantee for min. value of **Rs. 25.00 Lacs** towards safe custody of damaged power transformers of assorted rating of the Nigam in favour of the Superintending Engineer (MM&C). The bank guarantee shall be from any scheduled bank and shall be furnished **on Rajasthan non-judicial stamp paper of Rs. 0.25% of B.G. value subject to maximum Rs. 25,000** in the prescribed proforma. At the initial stage, the bank guarantee shall be valid for a period of minimum 2 years with six (6) months grace period.
- 6.2 The safe custody bank guarantee of **Rs. 25.00 Lacs** will cover power transformers of assorted ratings with total MVA rating limited up to 10 MVA (including guarantee period failed transformers) to be given for repairing. The bank guarantee of **Rs. 10.00 Lacs** shall cover power transformers of assorted ratings with total MVA rating of 5.0 MVA.
- 6.3 The contractor shall not be allowed to commence work of the repair and testing of damaged 33/11 KV power transformers at site or his factory premises till such time he furnishes security deposit and bank guarantee towards safe custody of transformers.
- 6.4 The rate contract will be deemed to be considered inoperative if the bank guarantee towards safe custody of transformers is not furnished within the time specified and security deposit/earnest money as available with Nigam shall be forfeited.

RECOVERY AGAINST LESS WEIGHT RECEIVED AFTER REPAIR AT THE TIME OF SECOND OR NEXT REPAIR SHALL BE RECOVERED AS PER PREVAILING RULES.

7. **REPAIRS GUARANTEE:**

- i) The repaired transformers shall be guaranteed for satisfactory performance for a period of **18 months** from the date of delivery of the transformer to the consignee after repairs. The period during which transformer remained defective/ failed

will not be accounted in this repair guarantee period. The period of defective will be reckoned from the date of first intimation/ failure to date of delivery after repair. Any defects noticed during the period of guarantee shall be removed/repared free of cost by the contractor within a period of 45 days from the date of receipt of such first intimation of failure failing which the delay in repair will be counted towards delay in delivery. Subsequent repair of such transformers on failure shall carry a further guarantee of six months from the date of receipt of such transformers after such repair or balance unexpired guarantee period whichever is later. Delay in repair shall also be counted in subsequent repairs beyond 45 days from the date of receipt of the damage transformers.

The transformers failed under guarantee period shall be repaired by the Contractors free of cost. The GP failed transformer after due repair & inspection by the purchaser, will be routed through Nigam's in-house Testing Laboratory (CTL), in the case where power transformer is tested in CTL in case of original repair. Mandatory Testing as mentioned shall be carried out and transformer will be accepted on the basis of CTL results.

- ii) The repair works of guarantee period failed transformers is to be carried out expeditiously each time. In such repairs the time factor shall be considered as essence of the contract and therefore, the same shall be monitored by our stores officers/officials. As stipulated at Clause 8 (i) above such repair works of guarantee period failed transformers shall be completed within a period of 45 days from the date the same is/are delivered at your works for repair. For every entry/receipt of any such transformer from our stores, you shall get a certificate, in respect of the transformer repaired from the stores officers depicting (i) useful service rendered (ii) Balance guarantee period as per contract and (iii) delay in repair amount to Rs..... worked out deposited vide C.R No... dated..... The copy of the certificate so received shall invariably be furnished to this office.

It is further clarified that G.P. failed Transformer is mandatorily to be lifted by the contractor from the site/ store, irrespective of whatsoever mentioned in the Technical Specification.

- iii) In case of guarantee period failure, the Nigam (Jodhpur Discom) reserves the right to review the rate contract and if the rate of failure is found more than 15% Nigam may cancel the contract. The rate of failure shall be calculated after failure of two or more numbers of repaired transformers. Subsequent failure of same transformer under guarantee period shall be considered for evaluating failure rate.

8. PRICE FALL CLAUSE:

The price 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.

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 he 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 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 Distribution Nigam under the rate contract No. **JUD/SE/ MM/ TN- have** not been sold by me/us during the period of supply/during the period from.....to..... any other person at the price lower than the price charged from the Nigam under rate contract”.

9. **PARALLEL CONTRACTS:**

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 contract.

10. **PAYMENTS:**

90% payments shall be arranged by the Sr. Accounts Officer (Cash & CPC), JdVVNL, Jodhpur against presentation of bills duly verified by the respective ACOS towards repairs of transformers, based on the approved estimates/work orders after ascertaining return of salvages/scrap and taking into account any material supplied by the Nigam. However, the contractor shall not get **90% payments** in absence of completion of contractual formalities such as furnishing of bank guarantees towards performance security, safe custody of transformers and execution of contract agreement. Balance **10% payment** shall be released by the Superintending Engineer (MM&C), Jodhpur Discom after ascertaining satisfactory performance of the transformers upto expiry of performance guarantee period.

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.

The amount of performance security shall be 10% (**ten percent**) of the amount of work order in case of procurement of works. Performance security from the successful bidder shall be taken or may adopt option after approval of purchaser to withheld **10%** amount in lieu of performance security from each bill on pro-rata/ proportionate basis. In case of successful bidder, the amount of bid security may be adjusted in arriving at the amount of the performance security, or refunded if the successful bidder furnishes the full amount of performance security.

It is clarified that return of salvage/ scrap means - the scrap/ salvage other than HV & LV coil. The scrap of HV & LV coil is to be retained by the contractor, for which necessary amount will be deducted from the estimate as per provision mentioned in the specification.

11. **SUBMISSION OF BILLS:**

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

- a) Copy of Joint inspection report.
- b) Approved estimate/work order of the concerned CE (O&M)/ZCE, Jodhpur Discom.
- c) Inspection and despatch clearance reports of the Inspecting Officer.
- d) Receipted Challans of the consignee for the receipt of repaired transformers along with the receipt of salvages deposited.
- e) Proof of payment of **GST** as claimed extra in the bills.
- f) Certificates that material/spares mentioned in the bills have been actually fitted/used on the transformers.

12. **TRANSFORMER OIL:**

- 12.1 As far as possible the salvage transformer oil will be drained out from the transformer whether usable or not before delivery to the firm for repairs. If the transformers are delivered to the firm, filled with oil due to insulation protection reasons the same shall be returned by the contractor to the concerned consignee, failing which recovery of the cost of the same shall be made 10% higher rate than the prevailing market rate for fresh transformer oil.
- 12.2 All the repaired transformers shall be filled in with fresh/new transformer oil as detailed in the technical specification. The quantity of fresh transformer oil shall be filled in as per quantity mentioned on the transformer name plate of the original manufacturer or the actual, whichever, may be less. The repairer will furnish the documentary proof of using fresh/new transformer oil to the inspecting officer when required by him.
- 12.3 The fresh transformer oil available with the Nigam will be supplied to the contractor as per the quantity mentioned on the nameplate of the original manufacturer. In that event only filtration charges shall be paid and 0.5% extra oil shall be provided by the Nigam on account of loss during filtration.

13. **TRANSPORTATION/CARRIAGE OF TRANSFORMERS:**

- 13.1 The repairing firm will arrange to & fro transportation including loading & unloading at Nigam's store & firm's works of damaged Power Transformers for which the charges shall be indicated separately for each rating in **Schedule-IV**.
- 13.2 The liability of to & fro transportation of G.P. failed Power Transformer from site/store (where G.P. failed transformer is lying) including loading & unloading, is of contractor. In the cases where G.P. repaired Power Transformer shall be accepted after mandatory tested in CTL, Transformer will be retained in Jodhpur store after successful CTL testing otherwise G.P. repaired Power Transformer is to be delivered to respective store.

14. **ASSESSMENT/ESTIMATION OF REPAIRS:**

- 14.1 All the failed transformers shall be deposited by field officers to their respective circle stores. At the level of circle stores guarantee period shall be ascertained and if transformer found failed beyond guarantee period, it will be deposited with ACOS, by circle stores as per directions passed by CE/ Zonal CE of the Nigam. Transformer received with ACOS, shall be sealed in the stores and shall be intimated to the concerned CE (O&M)/ZCE, JDVVNL. The transformer shall be lifted by the contractor firm as per allocation issued by the concerned CE (O&M)/ZCE.

- 14.2 A joint inspection by two Executive Engineers to be nominated by the concerned CE (O&M)/ZCE, JDVVNL and the authorised representative of the contractor shall be carried out at contractor's works to assess and work out the details of the damaged parts to be replaced and repairs to be carried out on individual transformer. The seal shall be broken and transformer shall be opened in presence of both Inspecting Officers and representative of firms. The joint inspection report shall contain the complete details of the healthy/damaged HT & LT coils of each phase invariably indicating details of coils to be replaced such as, No. of coils, size of conductor, ID & OD and axial length of coil. The details regarding missing coils in each phase shall also be mentioned in the report, if any. Six (6) copies of the estimates for repair & testing of such damaged transformers indicating its make, serial No., year of manufacture, TN No., capacity and voltage ratio etc. shall be prepared than and there at the time of Joint inspection and all the six copies of estimate shall be signed by the contractor and the Inspecting Engineer/Officer of the Nigam.
- 14.3 The joint inspection reports shall clearly indicate whether particular item being provided is against replacement of defective/damaged missing parts.
- 14.4 If any of the HV & LV coils are found damaged in a leg/limb all the HV & LV coils of the damaged transformers shall be replaced by the new coils.
- 14.5 All the damaged HV & LV coil scrap, shall be retained by the repairing firm. Empty drums of oil and other scrap metal parts etc. shall be lifted by the respective Store Officer of Nigam. Weight of damaged HV & LV coils and insulation shall be indicated separately in the joint inspection, however while making payment for new HV & LV coil, the weight of damaged HV & LV coil and insulation shall be considered for payment.
- 14.6 The cost of damaged HV & LV coil scrap shall be deducted from the payments payable to firm. The unit rate of Damaged HV & LV coil shall be considered as Unit rate published in Economics Times/Business standard or any other business newspaper on the date of joint estimates. In case rate for the date of joint estimates is not available, same shall be considered from the next date on which these rates are published. The weight of burnt HV & LV Coil (to be retained by the contractor firm) shall be allowed maximum minus 3% tolerance.
- 14.7 The estimates shall be prepared in two parts. In first part cost to be incurred in repair work shall be worked out on the basis of rates of variable items prevailing on the one month prior to the date of tender opening. Claim of price variation on variable rate items shall be allowed after issue of price variation by SE (MM&C), Jodhpur Discom, Jodhpur.
- 14.8 In second part, cost of salvages value of coils, old EHV transformer oil etc. prevailing one month prior to date of opening of tender (to be declared by Nigam) shall be deducted from the estimate of repair worked out in first part.
- 14.9 The repair of transformer shall be economically viable in case the estimate of repairs after deducting salvage value excluding all taxes & transportation charge is less than Rs. 4,07,443.83 in case of 3.15 MVA Power Transformer, is less than Rs. 5,67,877.20 in case of 5.0 MVA Power Transformer and is less than Rs. 6,64,308.56 in case of 8.0 MVA Power Transformer.

14.10 The weight of new coils to be charged in the estimates for repairs shall be same as that of the oil burnt damaged coils taken out from the damaged transformers.

14.11 The contractor shall also ensure that his Engineer is always made available when called for Joint inspection and preparation of estimates in order to avoid un-necessary delay of repair works and detention of the Inspecting Officer of the Nigam. Any delay in commencement of joint inspection after reaching the inspecting officer shall be towards the contractor's account. Salvages shall be immediately despatched/delivered to the consignee after carrying joint inspection.

15. APPROVAL OF ESTIMATES:

15.1 The estimate of the repairs after getting signed by the committee as detailed in para 15.2 shall be submitted to the concerned CE(O&M)/ZCE, JDVVNL in 6 copies. Three copies of the estimate duly approved shall be forwarded to the contractor by the concerned Chief Engineer/ Zonal Chief Engineer, JDVVNL to enable commences the repair work on the transformers thereafter immediately.

15.2 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 by the contractor 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.

16. SUNDRY ITEMS:

Miscellaneous items not specified in the price schedule but are required for repairs and satisfactory operations of the transformers 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 & insulation materials to be provided between HT and LT legs/coils and interchangeable legs/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.

17. STAGE INSPECTION:

The Nigam shall carry out stage inspection during the process of repair for checking the repair work in confirmation to the joint inspection report and approved estimate and also for the quality of workmanship and material used in repair.

18. TESTS AND TEST CERTIFICATES:

- 18.1 All the transformers after repairs shall be subjected to all the routine tests specified in the relevant ISS detailed in clause No.12 of the technical specification (Section-III) appended herewith. The transformers failed under guarantee period shall be repaired by the supplier and will be accepted only after inspection by the authorised representative of the Nigam.
- 18.2 Besides testing of transformers for the routine tests the inspecting officer of the Nigam shall be authorised for random checking of the coils and core assembly of the repaired transformers to check the actual repairs done and to examine the quality and make of raw material used and workmanship etc.. 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 contractors premises, or at site, in addition to the aforesaid tests and those included in the rate contract at the contractors expenses to satisfy himself that the spare parts supplied and repairs etc. carried out/completely with specifications. The contractor shall be required to rectify the defects, if any found in such tests at his own cost.
- 18.3 The contractor shall send copies of test certificates duly approved by Inspecting Officer to the concerned consignee(s) and to the concerned Chief Engineer/ Zonal Chief Engineer, JDVVNL for each and every transformer.

19. INSPECTION & TESTING:

- 19.1 The contractor shall give at least 7 days notice to the concerned Chief Engineer/ Zonal Chief Engineer JDVVNL for inspection of every lot of repaired transformers so that the Nigam may depute its representatives for inspection and testing of the same. No transformers shall be despatched without inspection and testing clearance by the Inspecting Officer.
- 19.2 The contractor shall record the following certificate on the invoice/packing list (challan) of each transformer.
 "Certified that the power transformer of the rating KVA Make..... bearing Sr. No..... has been got tested and cleared. The test results were found to be within the values specified in the relevant ISS/contract as per true copy of test results enclosed".
 Witness by Shri.....designation.....

20. MATERIALS:

- 20.1 All material used in the repairs/construction of the equipment forming the contract shall be of the best quality of its kind and except where modified by the specification, shall comply in all respect with the standard laid down by ISI or British Engineer Standard Associations wherever the Indian standard are not formulated.
- 20.2 The spars/equipment to be used in the repairs of the damaged equipment should comply with one consistence set of standards.
- 20.3 In order to avoid inconsistencies in electrical characteristics of HT/LT bushings, the broken/damaged bushings with metal parts shall be replaced by the

bushing of the same class & make as those of found one in that transformer as far as possible, or the entire set of bushings of HT or LT shall be changed by a new set of bushings as per IS specifications, if required.

21. **EXTRAS:**

When asked in writing by the Concerned Chief Engineer/ Zonal Chief Engineer JDVVNL to perform such extra work and supply such extra material, not cover within the scope of this specification as specified under various clauses of same, such work and material which 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.

22. **ATMOSPHERIC CONDITIONS:**

22.1 The transformers after satisfactory repairs/testing shall be suitable for operation in tropical climate and shall be able to withstand a wide range or temperature and climatic variations experienced in Rajasthan:

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

22.2 The repaired transformers may be exposed to the direct sun and shall be suitable for satisfactory operations under erratic climatic condition. The damage porcelain bushings requiring replacement shall be replaced by such bushing keeping in view that these should have ample margin of safety as regards flash over in order sudden varying atmospheric conditions and trouble from dust.

23. **PAINTING:**

23.1 All metallic surfaces exposed to weather and requiring painting shall be given suitable priming coat after de-rusting and two furnishing coats of best paint of grey colour. Rates for one coat spray painting (without primer etc.) shall also be coated separately.

23.2 The inside of transformers shall be given suitable priming coat after de-rusting and two coats of best paint of zinc chromate or any other paint which may not cause any deterioration properties of the transformer oil by chemical reaction etc. Joint inspecting committee shall ascertain whether repainting on transformer is required or not.

24. **DESPATCH INTIMATION:**

24.1 After satisfactory repairs and testing the contractor is required to send telegraphic intimation to the consignee/stores officer under intimation to the CE (O&M)/ZCE, JDVVNL /CE(MM), Jodhpur Discom, Jodhpur. The telegraphic intimation will contain information regarding quantity and the amount of the bill.

24.2 In addition to above the contractor shall be required to send the monthly statement to the concerned CE(O&M)/ZCE JDVVNL and SE (MM&C), Jodhpur Discom, Jodhpur of quantities of the transformers of various makes, types and capacities received from various consignees, and delivered back by 7th of every next month.

25. **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 received at his works from the consignee/stores officer upto the time of delivery back and will fully responsible against any loss causes due to damage/theft/fire/floods etc.

26. **STATEMENT OF TRANSFORMERS REPAIRED & DELIVERED TO CONSIGNEE:**

The contractor will be required to send the following details of the transformers repaired by him to the concerned Chief Engineer/ Zonal Chief Engineer, JDVVNL, Jodhpur and Superintending Engineer (MM&C), Jodhpur Discom, 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 proceeding month should be furnished in the following proforma, so as to reach by 7th of every month.

Sr. No.	Rating	Make	Transformer Sr.No.	Dt. of receipt of Transformer	Joint Inspection No. & Dt.
1.	2.	3.	4.	5.	6.
Work Order No. & Date	Dt. of Inspection	Dt. of Despatch	B.G.P./G.P	Programme of repair/Remarks	
7.	8.	9.	10.	11.	

Beside above, monthly information about transformer failed under guarantee period and sent for repair, shall also be furnished by the repairing firms in the following proforma.

Sr. No.	Rating	Make	Transformer Sr.No.	Work Order No. & Date	Date of repair
1.	2.	3.	4.	5.	6.
Date of failure	Date of receipt Of transformer	Date of repair	Programme of repair/ remarks		
7	8	9	10		

27. **RESPONSIBILITY OF CONTRACTOR AND COMPLETENESS:**

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

27.2 Approval of the contracts/sub contracts, test certificates or of tests carried out by the repairer or the representative of the Nigam shall not relieve him from any of his obligations to meet out all the requirements of these specifications from the responsibilities for the satisfactory repairs and working of transformers for the guarantee period.

28. INTERCHANGEABILITY:

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.

29. RATE CONTRACT WITHOUT PREJUDICE:

The rate contract shall be without prejudice to any of the term of specification or the purchase order of the Nigam or any rate contract's of DGS&D or purchase department of any other Govt./Semi Govt. undertaking or of the other rate contract of Nigam what so ever it might be.

30. NUMBER OF QUANTITY TO BE CONTRACTED FOR:

The approximate number of transformers to be got repaired are around 200 (two hundred) nos. of various sizes. The orders for the repairs of the damaged power 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.

The Nigam reserves the right to place order for any quantity for undertaking the repairs by the rate contracting firms during the period of the contract, It also reserves the right of placing any supply order of articles or repairing the failed/damaged unit provided that is included in the contract. If the total amount of 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 concerned CE(O&M)/ZCE, Jodhpur Discom in advance who as an exceptional case may convey approval but limited to the economical limit or repair. In case it is found that the contractors are 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 arrangements for procurement of raw material in time to deliver repaired transformers within specified time.

31. PARTIES TO THE CONTRACTS:

Nigam and its demanding officer aforesaid shall be deemed to be parties to the contract. The Superintending Engineer (MM), Jodhpur Discom, Jodhpur shall award the rate contract to the successful tenderers on behalf of Jodhpur Discom, Jodhpur. All disputes pertaining to the supplies/works under the contract shall be referred to the concerned circle S.E of respective zone.

Parties having their works outside the jurisdiction of Jodhpur Discom, shall not be considered for awarding Rate Contract.

32. PERIOD OF RATE CONTRACT:

- a) The rate contract shall be generally valid for a period of 2 years from the date of award of contract. All 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.
- b) The rate contract may be extended, on same terms and conditions, further for a period not exceeding three months
- c) Nigam reserves the right to discontinue the repair work of power transformers in case the failure rate of repaired power transformer is observed more than 15%. The failure rate shall be worked out for minimum failure of two transformers. Subsequent failure of some transformers shall be counted in failure rate.

IMPORTANT NOTE:-

- i) Repair of Power Transformers shall not be carried out more than twice after expiry of original guarantee period even if repair cost is within economical limit.
 - ii) Power Transformers not having original name plate, will not be repaired.
 - iii) Damaged Power transformers manufactured prior to year 2000 shall not be repaired.**
 - iv) Transformers of obsolete design shall not be repaired.
-

SCHEDULE - III A

FORMULA FOR CLAIMING PRICE VARIATION IN RESPECT OF HV & LV LEG COILS, TRANSFORMER OIL & LABOUR CHARGES

- a) The rate for HV & LV leg coils shall be Rs.____ per Kg. as on one month prior to opening of tender. These prices are exclusive of **GST (presently __ %)** which shall be paid extra at actual. The price of HV & LV leg coils shall be variable as per PV formula given below with base date one month prior to opening of tender.

$$PA = \frac{CP + 1.1 (Y \times CU - E \times CUB)}{Z}$$

Here:

- PA = Price applicable as on date for HV & LV leg coils.
 CP = Contract rates of HV & LV leg coils Rs.____ plus **GST** thereon on base date one month prior to opening of tender i.e. __% = Rs._____ (necessary documents in support of this be furnished)
 1.1 = Conversion factor for bare copper to DPC wire and strip
 CU = HCL sale price of electrolytic copper wires rods issued by IEEMA for one month prior to the date of actual delivery or scheduled delivery as per order whichever is less.
 CUB = HCL sale price of electrolytic copper wire rods published in IEEMA (PVC) CABLE/ _____ dated _____ for the base date one month prior to opening of tender = Rs.____
 E = **GST** on DPC wire @ __% as on one month prior to opening of tender (necessary documents in support of this be furnished)
 100 + rate of **GST** on DPC copper wire (Presently __%)
 Y = _____
 100
 Z = $\frac{100 + \text{rate of } \mathbf{GST} \text{ payable on HV \& LV leg coil (Presently } _ \%)}{100}$

- b) The prices of fresh transformer oil of standard quality with ISI mark, shall also be variable as per IEEMA prices of transformer oil based on one month prior to opening of tender i.e. Rs.____ per litre published in IEEMA (PVC)/TR/OIL dated _____.

No variation shall be allowed on account of variation in the prices of the steel drum. For calculation of PV on oil, the rates of transformer oil one month prior to the date of actual delivery or scheduled delivery, whichever is earlier shall be considered.

- c) The variation in labour charges shall be allowed on the basis of increased/decreased in IEEMA consumer price index No. The labour charges mentioned in "Schedule of Prices" are based on IEEMA consumer price Index No. ____ for the month of _____ published in IEEMA (PVC)/TR/(R)/_____ dated _____ applicable for four month prior to opening of tender.

PRICES & PRICE VARIATION

- a) The prices quoted shall be variable as per Price Variation Formula given in the Specification (Schedule-III-A) without any ceiling.
- b) If the price variation formula is changed, the same shall be applicable for the price variation. During the transit period when both old and new indices are being circulated, then the admissible Price Variation shall be applicable, which is advantageous to Nigam, and the period from which the old indices are discontinued then the P.V. shall be admissible with the new indices.
- c) The date of delivery applicable for claiming price variation shall be the date prevailing on the first day of Calendar month which shall be determined in the manner prescribed hereunder:-
 - (i) When the Transformer is repaired within stipulated delivery schedule : For allowing P.V. the date of delivery shall be considered the date on which Transformer is cleared for dispatch after inspection.
 - (ii) When the Transformer is repaired after expiry of stipulated delivery schedule : For allowing P.V. in the cases repairs are made after the expiry of scheduled delivery, the price prevailing in the last month of the stipulated scheduled delivery or the date on which Transformer is cleared for dispatch after inspection, whichever is beneficial to Nigam shall be allowed.

SCHEDULE-III-B**QUALIFICATION REQUIREMENT
FOR REPAIR OF DAMAGED/ FAILED POWER TRANSFORMERS OF ASSORTED
RATINGS****TN-1394**

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 for repair of Power Transformers in previous TN and have failure rate above 15% of Power 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 Deviations such as Technical Deviation & Commercial Deviation 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.

SCHEDULE- IV A**TENDER FORM**

Ref. No.:.....

From : M/s.....

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

Sub: Tender for entering into the rate contract for repair of 33/11 KV Power Transformer against tender specification No. **JUD/SE/MM/XEN/MM-I/TN-1394**.

Dear Sir,

With reference to your notice inviting tenders for entering into the rate contract for repair of 33/11 KV Power transformers against tender specification No. **JUD/SE/MM/XEN/MM-I/TN-1394**. We hereby offer to the Jodhpur Vidyut Vitran Nigam Ltd., 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 item – 1.10, 1.20, 1.30, 2.10, 2.20 & 12.00 of the price schedule, which are variable as per IEEMA Price Variation clause with base prices as on first date of one month prior to tender opening. Further the prices of : Goods service tax GST@.....% on copper coil and GST @.....% will on all replaced parts be charged extra.

2. BID SECURITY:

Demand Draft No..... for Rs.....
 (Rupees.....only) drawn on theand
 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 FOR SAFE CUSTODY:

We undertake to furnish a bank guarantee as specified in clause no. 6 of the section III of the specification towards safe custody of Nigam's damaged and defective transformers before receiving the transformers for repairs.

4. GUARANTEE PERIOD:

We undertake to guarantee the transformer repaired by us for 18 months from the date of supply in store after repairs. Any defects noticed during the period of guarantee shall be attended on priority and the transformers shall be repaired free of cost within a period 45 days of delivery, failing which delay in repairs will be counted towards delay in delivery. If the transformer for re-repaired delivered at our works, the to & fro transportation shall borne by us. Subsequent repairs of the transformers shall carry a further guarantee of 6 months from the date of receipt of transformer after re-repair or balance guarantee period, whichever is later.

5. PERIOD OF RATE CONTRACT:

We hereby undertake and agreed to execute the rate contract for a period of 2 years from the date of award of the contract.

6. VALIDITY OF TENDER:

Our offers is valid for acceptance upto _____(120 day from date of opening of tender) and we agree to extend the validity period if required for such period as me be mutually decided.

7. We hereby confirm that all terms and conditions as stipulated in the tender documents and Annexure there to be acceptable to us. The price schedule and tender proforma attached herewith form the integral part of the offer,

Encl: 1. Schedule of prices.
2. Tender Proforma.

Signature of tenderer

Rubber Seal

(Name in full and designation)

Date:

SCHEDULE-V

DELIVERY SCHEDULE

TN-1394

Name of Tenderer_____

We hereby quote that we will repair up to _____MVA total capacity per month and time to be taken in repair will be _____ days after receiving of Work Order of particular transformer.

SIGNATURE OF TENDERER IN
FULL

RUBBER SEAL
(Name in full & Designation)

SCHEDULE-V (A)

OFFICE OF THE ASSISTANT CONTROLLER OF STORES
JDVVNL _____

Sub.: Performance Certificate in respect of 33/11 KV Power Transformers
repaired against previous TN----- / Work Order reference
No. _____ Date _____

The firm M/s _____ have completed the
repair work of _____ Nos. transformers under previous TN_____, Work
Order No. _____ dated _____ and 18 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/ outstandings are due under this Rate Contract against the supply.

Assistant Controller 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 of TN-1394.
-------	--

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 OF TN-**

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 of TN-1394.
-------	--

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 affected. This list should be in form given below:-

S.No.	Detailed particulars of items supplied Completion	Qty in Nos.	Order No. & Date	Name & details of purchasing authority	Date
1	2	3	4	5	6
	If executed partially Remarks to be mentioned (Qty. in Nos..)	whether still to be executed		Delivery stipulated in order	
	7	8		9	10

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

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

SCHEDULE - VII-A**JODHPUR VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking****STATEMENT OF PAST REPAIR WORK OF POWER TRANSFORMER**

The bidder shall state under this schedule whether they have repaired Power Transformers of various rating with detail of rate contract under RSEB/DISCOM(s) This list should be in form given below:-

S.No.	CRC TN No.	Qty in Nos.	RATING		
			3150 KVA	5000 KVA	8000 KVA
1	2	3	4	5	6

(Signature)

Name & Designation
with seal of the bidder.

SCHEDULE-VIII**DETAILS OF TESTING FACILITY****TN-1394**

Name of Tenderer_____

Tests as per the relevant Indian Standards except as modified and/ or as additionally called for in the tender specification shall be performed. Detailed list of the testing equipment and facilities available for such tests shall be indicated in this schedule.

Sr.No.	Testing equipment/ Instrument	Make, Range, Class of accuracy	Quantity

SIGNATURE OF TENDERER IN FULL

RUBBER SEAL
(Name in full & Designation)

SCHEDULE-VIII (A)**DETAILS OF PLANT & MACHINERY****TN-1394**

Name of Tenderer_____

Sr.No.	Particulars of Plant & Machinery	Name of Manufacturer/ Supplier	Quantity

SIGNATURE OF TENDERER IN FULL

RUBBER SEAL
(Name in full & Designation)

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.	Whether firm is proprietorship/partnership/ Limited (Please give details and also enclose copy of memorandum of constitution of firm along with name of directors/ partners/proprietor & their address.	
3.	Place where works exist (indicate the name of the only one works from where you want to supply the offered material).	
4.	Details of machinery particularly with B.H.P. of each item installed.	
5.	Details of staff employed in the works	
6.	Date when started the manufacturing of item under reference	
7.	List of items manufactured.	
8.	Literature and drawings of items manufactured showing their description, size, design and other important technical particulars	
9.	Details of order so far, executed alongwith the names of organization to whom supplied.	
10	Manufacturing capacity.	
11	Is the workshop open for inspection by the representative of the board, if required?	
12	Statement of financial resources and Banking Reference along with Balance-Sheet for previous two years	
13	Testing facilities available for the manufactured articles in the testing laboratory of works.	
14	Whether the Firm is a small/medium/large scale industry.	
15	Registration No. with :-	
	i. Small Scale, National/State.	
	ii) DGTD	
	iii) State Industries Department	

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

SCHEDULE - X**GENERAL PARTICULARS ABOUT THE TENDER IN BRIEF****JODHPUR VIDYUT VITRAN NIGAM LIMITED****(MATERIAL MANAGEMENT)****NEW POWER HOUSE, JODHPUR-342006**

Corporate Identity Number (CIN)-U40109RJ2000SGC016483 GST No. – 08AAACJ8578R1ZJ

TELEPHONE: - 0291-2742223**FAX: - 0291-2746539**

**SPECIFICATION FOR REPAIR OF DAMAGED/ FAILED 33/11 KV 3.15 MVA,
5.0 MVA & 8.0 MVA 33/11 KV POWER TRANSFORMERS UNDER
SPECIFICATION NO. JUD/SE/MM/ XEN/MM-I/TN-1394**

A	NIT No.	TN-1394
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	(iv) General Bidder: Rs. 10,00,000.00 (v) Sick Unit : Rs. 5,00,000.00 (vi) 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	01.12.2017 (Irrespective of tender opening date)

IMPORTANT DATES

S.N.	Events	Date & Time	Location
1	Date of downloading of tender specifications	Up to 02.01.2018 (06:00 PM)	www.jdvvn.com & http://eproc.rajasthan.gov.in
2	Deposit of cost of Tender Specifications, Processing fee & Bid Security (BC/DD)	Up to 02.01.2018 (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 03.01.2018 (12:00 NOON)	http://eproc.rajasthan.gov.in
4	Opening of Technical Bid	03.01.2018 (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

VERY VERY IMPORTANT

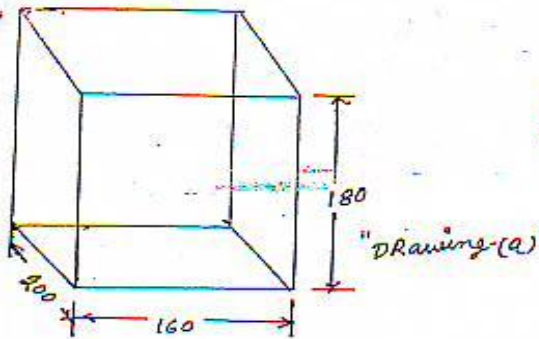
The bids not accompanied with qualification requirement, technical requirement indicated in the specification and other requirement given here under will be considered as incomplete offer and sufficient grounds for offer to be passed over:

1. Capacity, capability and competency proofing documents.
 - a. Capacity/orders of similar and higher rating of tendered equipment booked as on date of bidding with type and rating and construction details of equipment for which order received be indicated.
 - b. Copy of purchase orders of Erstwhile RSEB /SEB`S / Electric Utilities / Govt.

2. Departments / Discom for similar or higher rating equipment latest executed.
3. Year wise past experience for last 5 years of similar or higher rating of tendered equipment.
4. The details of testing facilities available at the works and copies of latest type test certificates, carried out on similar ITEM.
5. Quality assurance plan.
6. Complete guaranteed technical particulars, out lines and general arrangement drawings along with Bill of Material.
7. Bids without Section-I, II, III & Schedules (I to X) shall be rejected.
8. Bids shall be furnished **through online**.
9. JdVVNL has the right to reject any offer on the basis of track record of poor performance in execution of previous order / equipment supplied /after sales service while evaluating the Techno-Commercial bid.
10. JdVVNL reserves the right to accept minor deviations in standard terms and conditions and also in technical and constructional features as specified in the technical specification (**Schedule-III**).
11. Deviation of any kind shall not be quoted in price bid, if found quoted, the same shall be ignored.
12. The following facilities are to be provided by the supplier at his own cost to the inspecting officer of Nigam (JdVVNL):-
 - i. Suitable accommodation.
 - ii. Local conveyance between arrival point, place of stay, works and departure point.
 - iii. The supplier shall assist in arranging return ticket and reservation on the request of the inspecting officer for which the payment shall be made by the inspecting officer. In case of joint inspection, single or shared double room accommodation shall be provided

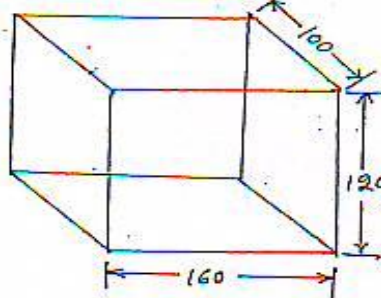
ANNEXURE-I FOR DRAWING AS SPECIFIED AT CLAUSE NO. 6(c) OF LOCKING ARRANGEMENTS OF TECHNICAL SPECIFICATION UNDER SCHEDULE-III (i)

FOR FILTER & DRAIN VALVE [LY, HY & SIDE VALVE BOX]



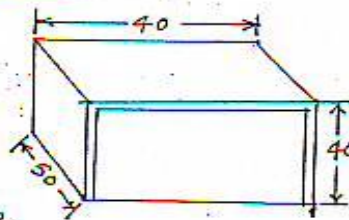
200(L) x 160(W) x 180(H)
 Weight of box - 3.200 Kg (Approx.)
 Thickness of sheet - 2 mm

FOR CONSERVATOR DRAIN VALVE BOX



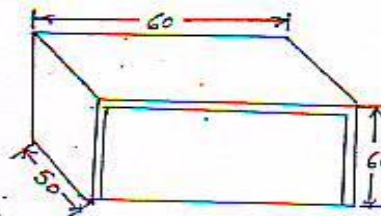
160(L) x 100(W) x 120(H) - 2mm Thick
 Weight of box - 1.460 Kg (Approx)

FOR RADIATOR DRAIN PLUG (BOTTOM)



40(L) x 50(W) x 40(H) - 2mm Thick
 Weight of Cap - 180 gms (Approx)

FOR CONSERVATOR CAP.



60(L) x 50(W) x 60(H)
 Weight of Cap - 180 gms (Approx)
 Drawing-(d)

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 BID SECURITY**

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 4.00 p.m. upto one WORKING day prior to schedule date of opening** of respective bid or Bank Guarantee, in specified format, of a scheduled bank in favour of Superintending Engineer (MM&C), JDVVNL, Jodhpur, be deposited to the Sr. Accounts Officer (MM&C), JDVVNL, New Power House, Industrial Area, Jodhpur-342003 **upto 4.00 p.m. upto one WORKING day prior to schedule date of opening** of respective bid, **and obtain a receipt / acknowledgement thereof. No other mode of deposit shall be accepted. At 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 in proper format / not confirmed by the issuing Bank the same would not be accepted and the bidder would be immediately shorted out from bid process.

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

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

- 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.**

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