

TENUGHAT VIDYUT NIGAM LIMITED  
(A GOVT. OF JHARKHAND UNDERTAKING)  
HINOO, DORANDA, RANCHI-834002

FAX: 0651-2251205

Website: [www.tvnl.in](http://www.tvnl.in)

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**NIT No. 12/IT/W/TVNL/RAN/2021-22**

**DUE ON: 01.12.2021 up to 14:00 Hrs.**

**RFx No. : 1000005617**



***TENDER DOCUMENT***

**SUBJECT: Supply of Services of Comprehensive AMC for complete Blade Server Infrastructure, SAN Switch & SAN Storage, Tape Library, Data Protector and Core Switch for one year at TTPS, Lalpania.**



# TENUGHAT VIDYUT NIGAM LIMITED

(A GOVT. OF JHARKHAND UNDERTAKING)  
HINOO, DORANDA, RANCHI-834002, JHARKHAND

Ref No. 639/21-22

Date: 09/11/2021

## NOTICE INVITING TENDER

### NIT No. - 12/IT/W/TVNL/RAN/2021-22

On behalf of Tenughat Vidyut Nigam Limited (TVNL), Ranchi online tender is invited in two parts (Part-I - Technical & Commercial Bid, Part-II - Price Bid to be submitted in TVNL's website <http://webdispatcher.tvnl.in/srmprd> only) from experienced, reputed and financially sound firms for Supply of Services of Comprehensive AMC for complete Blade Server Infrastructure, SAN Switch & SAN Storage, Tape Library, Data Protector and Core Switch for one year at TTPS, Lalpania. Requisite cost of Tender Document & Earnest Money is to be submitted to contact person of TVNL well before submission deadline. Hard copy of bid Part-I (Technical & commercial bid) may be submitted to the ESE(C&M), TVNL, Ranchi on or before due date. The detail of Tender is follows: -

Description of Work	Supply of Services of Comprehensive AMC for complete Blade Server Infrastructure, SAN Switch & SAN Storage, Tape Library, Data Protector and Core Switch for one year at TTPS, Lalpania.
Estimated Cost	Rs. 33,65,500.00 (Rupees thirty three lakh sixty five thousand five hundred) only plus GST extra as applicable.
Cost of Tender Documents (Non Refundable) in form of online payment(tvnl.in)	Rs.5,000.00/ (Rupees five thousand) only.
Amount of EMD to be deposited in the form of BG/Online payment(tvnl.in)	Rs.67,500.00/- (Rupees sixty seven thousand five hundred) only.
Downloading of Tender Paper	From <b>10.11.2021</b>
Last Date & Time for receipt of Tender Paper	<b>01.12.2021</b> , up to 14:00 Hrs.
Date & Time of Opening of Part-I of Tender	<b>01.12.2021</b> , at 16:00 Hrs.
Place of submission of bid documents and address for communication	Electrical Superintending Engineer (C&M), Tenughat Vidyut Nigam Limited, Hinoo, Ranchi-834002.
RFx (Event) No. on TVNL bidding portal	<b>100005617</b>

### 1. The Bidder should have the following Qualifying Requirements (QR):

- The bidder should be OEM(HPE) or their business partner/service provider/channel partner/ authorised dealer.
- The bidders should have successfully executed the work for Comprehensive AMC for complete Blade Server Infrastructure which includes SAN Switch/ SAN Storage/ Tape Library/ Data Protector/ Core Switch in any Govt. / Semi Govt./ CPSU/SPSU/ SEB's/ Reputed Private Organization.
- The average annual financial turnover of bidder during the last 03 (three) financial years, ending 31st of the previous financial year should be at least Rs. 10.10 Lakh only.

Bidder should have to submit copy of Audited Annual Report (Financial statement) including Profit& Loss Accounts as well as Balance Sheet clearly evidencing the Annual Turnover figure in support of their meeting above stipulated financial criteria. In case of non-availability of Audited Annual Reports, the Bidder shall furnish a certificate from a Chartered Accountant stating annual turnover for the last three consecutive financial years ending 31st March 2021.

- The bidder should have experience of having successfully completed similar works during last seven (07) years ending last day of month previous to the one in which tenders are invited.

Bidder has to submit copy of work order along with its completion certificate. The successful completed similar work shall be either of the following: -

i. Three similar completed works each costing not less than Rs. 13.46 Lakh.

**OR**

ii. Two similar completed works each costing not less than Rs. 16.83 Lakh.

**OR**

iii. One similar completed work costing not less than Rs. 26.92 Lakh.

**“Similar work”** means comprehensive AMC for complete Blade Server Infrastructure which includes SAN Switch/ SAN Storage/ Tape Library/ Data Protector/ Core Switch in any Govt. / Semi Govt. / CPSU/SPSU/ SEB’s/ Reputed Private Organization.

- e. The bidder should have financial credibility /capacity of at least Rs. 3.37 lakh. Bidder may submit recent Bank Solvency Certificate from any Indian Nationalized / Scheduled Commercial Bank in support of their financial credibility /capacity.
- f. The bidder should have valid GSTIN no.
- g. Bidder have to submit a self-certified letter that the bidder is not blacklisted by any Govt. / Semi Govt. /CPSU/SPSU at the time of submission of tender.
2. The tender document is to be downloaded from the TVNL website “[www.tvnl.in](http://www.tvnl.in)”. Tenders will have to be submitted in TVNL Web Portal website <http://webdispatcher.tvnl.in/srmprd> only. For easy reference “**Vendor Bidding Manual for Open Tender**” can be downloaded from the TVNL website homepage.
3. Intending bidder will first communicate with TVNL contact person Mr. Ganga Ravidas/Mr. Nitish Kumar Mobile No-**9835352492/8334995776** for this aforesaid NIT and send their details like Firm Name, address, email, phone nos. and brief company’s credentials. other details like company’s contact person name, email, Mobile no etc may be sent in email ID:[tvnlex.project@gmail.com](mailto:tvnlexproject@gmail.com)/[nitish.ttps@gmail.com](mailto:nitish.ttps@gmail.com) well before submission deadline so that login ID & password can be created in SRM-SAP which will be sent to email of bidders contact person. Bidder’s contact person has to register at TVNL website: <http://webdispatcher.tvnl.in/srmprd> with the given ID & password. If intending bidder is a existing vendor of TVNL and already having vendor code and user-id & Password then no need to send the above details again.
4. The cost of tender document shall be deposited well before the submission deadline through online payment (<https://tvnl.in/tvnltmts/>) mode. Online receipt may be submitted to TVNL contact person. Inform through email by sending the scanned copy of Online receipt so that he may allow access to open the RFX details and initiate bidding at TVNL website and attach the details of Part-I & fill the details of Part- II.
5. The bidder has to fill as well as attach scanned copies of the related documents part-I (Technical & commercial) on TVNL website: <http://webdispatcher.tvnl.in/srmprd>. The bidder may also submit the hardcopy of bid part-I (Technical & commercial) to the ESE(C&M), TVNL, Ranchi office before the submission deadline along with the Online receipt of cost of tender document and online receipt or BG of Earnest money deposit (EMD).
6. The bidder has to bid for part-II (Price part) on TVNL website: <http://webdispatcher.tvnl.in/srmprd> only. **Hard copy of Price Part need not to be submitted with the bid.**
7. The bidder must attach scanned copy of Part-I (Technical & Commercial) on TVNL bidding portal: <http://webdispatcher.tvnl.in/srmprd>. If the same is not attached in TVNL bidding portal then the submitted bid will be rejected.
8. The bidder will not get access to bidding in SRM-SAP without providing the details of cost of tender document. Any type of tempering/alteration with tender document shall not be allowed and offer, if submitted so, will be summarily rejected.

9. Tender without Earnest Money shall not be considered. Bid offers shall be accompanied with the cost of tender document and Earnest Money Deposit (EMD) of requisite value as specified above in a separate envelope failing which offers are liable for rejection. EMD may be furnished in the form of online payment (tvnl.in)/Bank Guarantee in required format from any Indian Nationalized Bank/ Scheduled Commercial Bank in favour of “TENUGHAT VIDYUT NIGAM LIMITED” payable at Ranchi. The Bank Guarantee should remain valid for 12 months. However, EMD is not required in case of NSIC/SSI registered parties/Local MSEs (Jharkhand state only) registered parties (with all statutory license/ certificate as per MSME act.). Non-MSE units of Jharkhand will get 50% concession in EMD.
10. The Earnest Money will be forfeited on revocation of tender before expiry of validity of the tender or on refusal to enter into the contract after the award is made by TVNL to the bidder.
11. Any corrigendum/Addendum/Extension of bid opening date and cancellation of NIT will be published through our website [www.tvnl.in](http://www.tvnl.in) only and not through newspaper. The bidders are requested to visit our website regularly for any addendum/corrigendum/extension till opening of bid.
12. The due date of bid opening as mentioned in the NIT will remain firm. However, in case of unforeseen circumstances or due to administrative reasons, the bids are not opened on the due date, the same shall be opened on the next working day at the same time. In case the last date of submission of bids is declared as holiday, the bids shall be received up to the time of closing of bids on the next working day and shall be considered for opening.
13. TVNL reserves the right to reject any / all offer, increase/decrease or to distribute the quantity among the bidders without assigning any reason thereof.
14. Vendor bidding manual is attached in TVNL website (tvnl.in) ([https://tvnl.in/pdf/TVNL\\_Vendor\\_Manual\\_for\\_Open\\_Tender.pdf](https://tvnl.in/pdf/TVNL_Vendor_Manual_for_Open_Tender.pdf))
15. Bidder **has to follow below steps for Online Tender Fee or EMD Payment.**  
After registering against the RFX you have to follow the below steps:
  - a. Go to TVNL website <http://tvnl.in>.
  - b. Click on the navigation tab “Tender Payment” link (at the Top Right-hand side of the TVNL web home page).
  - c. It will redirect you to the online payment page.
  - d. Enter your User Id to proceed further.
  - e. Enter the RFX no. for which you want to participate.
  - f. Click on the “Go” button.
  - g. Click on the Pay button to proceed for payment of “Tender Fee” or “EMD”.
  - h. It will redirect you to the payment gateway for payment.
  - i. Enter your card details or go for online banking for payment.

After payment is completed, please inform the concerned department with the receipt generated via email and request to provide access to the respective RFX number with your user id.

Sd/  
(R. Ranjan)  
Electrical Superintending Engineer (C&M)

**TENUGHAT VIDYUT NIGAM LIMITED  
HINOO, DORANDA, RANCHI-834002**

**BILL OF QUANTITY**

**PART- I (TECHNICAL & COMMERCIAL)**

**NIT No. - 12/IT/W/TVNL/RAN/2021-22**

**Sub: Supply of Services of Comprehensive AMC for complete Blade Server Infrastructure, SAN Switch & SAN Storage, Tape Library, Data Protector and Core Switch for one year at TTPS, Lalpania.**

S.N.	Particulars	Details to be furnished by the Bidder (Enclose separate sheets if required)	Flag No.	Page No.
1.	Name of the Bidder (Enclose Letter Head of firm)		I	
2.	Address of Bidder with Telephone, Fax, E-mail		II	
3.	Status of the Bidder (Enclose copy of certificate)		III	
4.	Whether the firm are a Govt. Organ./Govt. U/T.		IV	
5.	Whether the firm is registered with NSIC/SSI(Jharkhand)/ DGS&D/Local MSE (Jharkhand state only). (enclose copy of certificate)		V	
6.	Experience of Bidder (Attach copy of Work order of similar work (LR/Dispatch Documents and PI/Bill etc.) during last seven years ( as per Sl. No. 1.d of QR)	Work Order No..... Dated..... Completion certificate Dated..... Work Order No..... Dated..... Completion certificate Dated..... Work Order No..... Dated..... Completion certificate Dated.....	VI	
7.	Financial Credibility/ Capacity (Attach Bank Solvency Certificate)		VII	

8.	Average annual financial turnover of bidder during the last 03 years (Attach audited Balance Sheet & P/L Account for last three years ending 31 <sup>st</sup> March, 2021)	Average annual financial turnover of bidder during the last 03 (three) years Rs.....  Annual Turnover FY 2020-21: Rs..... FY 2019-20: Rs..... FY 2018-19: Rs.....	VIII	
9.	Name & Designation of Authorized Signatory (Attach Power of Attorney if applicable)		IX	
10.	Nature of Firm (Proprietorship/Partnership /Pvt. Ltd./Public Sector) (Attach proof)		X	
11.	Permanent Account Number (PAN) (Attach proof)		XI	
12.	Goods and Services Tax Registration Number (GSTIN) (Attach proof)		XII	
13.	Particulars of Earnest Money (BG No. & Date/Online transaction details)		XIII	
14.	Particulars of Cost of Tender Document (Online transaction details)		XIV	
15.	IGST / CGST / SGST Rates Applicable		XV	
16.	Any other Tax applicable		XVI	
17.	Payment Terms		XVII	
18.	Validity period of the offer (minimum 180 days )		XVIII	
19.	Whether you will deposit Security Money. If not reasons thereof with documentary proof of exemption:		XIX	
20.	Do you fulfill the pre-requisite qualification?		XX	
21.	Whether you accept all terms & conditions of B.O.Q.		XXI	
22.	Labour License No. (Attach copy of registration)		XXII	
23.	Penalty		XXIII	

24.	<p>Details required for ERP Vendor Coding:-</p> <p>a. Name of firm :</p> <p>b. Address :</p> <p>PIN:</p> <p>c. E-mail ID :</p> <p>d. Phone No. :</p> <p>e. Name of Contact Person:</p> <p>f. TIN No :</p> <p>g. CST No. :</p> <p>h. GSTIN No:</p> <p>i. PAN No :</p> <p>Details required for EMD Refund through RTGS/NEFT :</p> <p>j. Bank Name :</p> <p>k. Branch :</p> <p>l. Branch Code :</p> <p>m. A/c. No. :</p> <p>n. IFS Code :</p> <p>o. MICR Code :</p>		XXIV	
25.	Any extra information		XXV	

Signature & Seal of Bidder)

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**Scope of Work**

1. The successful bidder will be fully responsible for complete servicing and maintenance of the below mentioned hardware & software.
2. AMC shall cover supply/ repair & replacement of all defective parts /components including interface cables, connectors etc. on comprehensive basis by the successful bidder.
3. The preventive maintenance of the integral system shall be carried out by the successful bidder as per mutually agreed schedule, once in each month.
4. The successful bidder will be fully responsible to attend emergency breakdown as and when required without any additional cost.
5. The successful bidder will arrange all tools and tackles for maintenance of below mentioned items.
6. Re-installation / reconfiguration / repair of operating system (HP-UX & Windows OS) and cluster system, patches, driver's software, basic software, firmware software, backup software& its updating shall be under scope of work.
7. Service shall be available 24 hours per day, 7 days per week include holidays.
8. SLA: Same day response shall be provided by the successful bidder in case of fault/complaint registered.

<b>S.No</b>	<b>Details of Hardware</b>	<b>Part No</b>	<b>Serial No</b>
1	HP ProLiant BL420c Gen8, Intel(R) Xeon(R) CPU E5-2407 0 @ 2.20GHz (4 Cores), 8 GB RAM, 2x300GB HDD with Operating System	640996-B21	SGH406CB29
2	HP ProLiant BL420c Gen8, Intel(R) Xeon(R) CPU E5-2407 0 @ 2.20GHz (4 Cores), 8 GB RAM, 2x300GB HDD with Operating System	640996-B21	SGH406CB2C
3	HP ProLiant BL420c Gen8, Intel(R) Xeon(R) CPU E5-2407 0 @ 2.20GHz (4 Cores), 8 GB RAM, 2x300GB HDD with Operating System	640996-B21	SGH406CB2A
4	HP ProLiant BL420c Gen8, Intel(R) Xeon(R) CPU E5-2407 0 @ 2.20GHz (4 Cores), 16 GB RAM, 2x300GB HDD with Operating System	640996-B21	SGH406CB28
5	HP ProLiant BL420c Gen8, two Intel(R) Xeon(R) CPU E5-2430 0 @ 2.20GHz (6 Cores), 48 GB RAM, 2x900GB HDD with Operating System	640996-B21	SGH406CB1B
6	HP ProLiant BL420c Gen8, Intel(R) Xeon(R) CPU E5-2407 0 @ 2.20GHz (4 Cores), 16 GB RAM, 2x300GB HDD with Operating System	640996-B21	SGH406CB2D
7	HP ProLiant BL420c Gen8, Intel(R) Xeon(R) CPU E5-2407 0 @ 2.20GHz (4 Cores), 8 GB RAM, 2x300GB HDD with Operating System	640996-B21	SGH406CB2B
8	HP ProLiant BL420c Gen8, two Intel(R) Xeon(R) CPU E5-2430 0 @ 2.20GHz (6 Cores), 32 GB RAM, 2x300GB HDD with Operating System	640996-B21	SGH406CB1C
9	HP Integrity BL860c i4 Server Blade, two Intel(R) Itanium(R) Processor 4-core 2.40 GHz with 32MB Last Level Cache 9550 (4 Cores), 192 GB RAM, 2x900GB HDD with HP-UX Operating System with	AM377A	SGH406C7YJ



	Virtualization		
10	HP Integrity BLc7000 CTO Enclosure	AD361D	SGH406C7YM
11	HP Integrity BL860c i4 Server Blade, two Intel(R) Itanium(R) Processor 4-core 2.40 GHz with 32MB Last Level Cache 9550 (4 Cores), 192 GB RAM, 2x600GB HDD with HP-UX Operating System with Virtualization	AM377A	SGH524WBDD
12	HP Integrity BL860c i4 Server Blade, two Intel(R) Itanium(R) Processor 4-core 2.40 GHz with 32MB Last Level Cache 9550 (4 Cores), 192 GB RAM, 2x600GB HDD with HP-UX Operating System with Virtualization	AM377A	SGH524WBDC
13	HPE Integrity BL860c i4 Server Blade, Intel(R) Itanium(R) Processor 4-core 2.40 GHz with 32MB Last Level Cache 9550 (4 Cores), 192 GB RAM, 2x900GB HDD with HP-UX Operating System with Virtualization	AM377A	SGH628Y3X0
14	HPE Integrity BL860c i4 Server Blade, Intel(R) Itanium(R) Processor 4-core 2.40 GHz with 32MB Last Level Cache 9550 (4 Cores), 192 GB RAM, 2x900GB HDD with HP-UX Operating System with Virtualization	AM377A	SGH628Y3WY
15	HPE Integrity BLc7000 CTO Enclosure	AD361D	SGH627XJF1
16	HPE 8/24 Base 16-Ports Enabled SAN Switch	AM868B	USB513U0WB
17	HPE 8/24 Base 16-Ports Enabled SAN Switch	AM868B	CZC518UEDL
18	HPE MSA 2040 SFF Chassis, 10x 900 GB HDD, 14x300 GB HDD	C8R10A	2S6524C128
19	HPE MSL 2024 0-Drive Tape Library with 1 writer	AK379A	MXA520Z0BK
20	HPE D2700 Disk Enclosure, 7x300GB HDD, 12 X 900 GB HDD	AJ941A	7CE617P105
21	HPE D2700 Disk Enclosure, 25X300GB HDD	AJ941A	7CE617P109
22	HPE D2700 Disk Enclosure, 13x 300GB HDD	AJ941A	7CE452P0GR
23	Data Protector	CH.INGR.TENTU.E-LT	106457836354/ 2142301296
24	HP 7506 Switch Chassis (Core Switch)	JD239B	CN53D57018
25	One VM of item no. 11 and One VM of item no. 12 are in cluster		

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**GENERAL TERMS & CONDITIONS**

1. **Validity of Offers:** The bid submitted by bidders should remain valid for a Period of 180 days from the date of opening of Part-I unless otherwise specified.
2. **Price:** The Bidder shall quote their rate keeping in view that the rate will remain firm for the entire contract period.
3. **Late Receipt of the Tender:** Special attention of the bidder is invited about the receipt of the tender in time. Tenders received after the stipulated date and time due to any reason, whatsoever, shall not be considered. Bidders are requested to see that their bids are delivered/submitted in the office of TVNL/TVNL SRM portal well before the prescribed due date and time.
4. **Inspection of Site:** Before quoting the rate, bidders are advised to visit the work site and get satisfied with scope of work for which rates are to be quoted. Engineer -in -charge may be consulted for any clarification regarding scope of work and terms of tender. Bidder should go through the terms and conditions and technical specification of work carefully and sign in all pages of the tender document.
5. **Instruction to Bidder:**
  - a. Bidders are advised to submit their bids strictly based on the scope of work, terms and conditions contained in the bid document and subsequent revisions/amendments, if any. The bid should be submitted along with covering letter.
  - b. The bid shall be prepared and submitted by typing or printing in English on white paper in consecutively numbered pages duly signed by the authorized signatory with company seal affixed on each page. Any part of the bid, which is not specifically signed by the authorized signatory and not affixed with company seal, may not be considered for the purpose of evaluation.
  - c. Copy of bid document, amendments/revisions to bid document if any, shall be signed and submitted along with the bid.
  - d. Complete bid document including all enclosures should be submitted as soft copy in SRM portal and all pages should be numbered and must be signed by the authorized signatory with seal of the company.
  - e. Incomplete tender or tenders not submitted as per requirement as indicated in the NIT are likely to be rejected.
  - f. Bidders shall submit their offer strictly as per terms and conditions of the tender document without any deviation. If at any time any of the documents/information submitted by the bidder is found to be incorrect, false or untruthful, the bid and/or the resultant order may be summarily rejected/ cancelled at the risk of the bidder.
  - g. Failure to furnish all information and documentary evidence as stipulated in the bid document or submission of an offer that is not substantially responsive to the bid document in all respects shall be summarily rejected.
  - h. The tender document is to be downloaded from the TVNL website [www.tvnl.in](http://www.tvnl.in). Tenders will have to be submitted in TVNL Web Portal only website <http://webdispatcher.tvnl.in/srmprd>. For easy reference “**Vendor Bidding Manual for Open Tender**” can be downloaded from the TVNL website homepage.
  - i. First time bidder will first communicate with TVNL contact person with their firm details well before the submission deadline like Name, address, email, phone nos. and company’s contact person name, email, Mobile no. may be sent in email ID: , so that login ID & password can be created in SRM-SAP which will be sent to bidders contact person email. Bidder contact person has to register at TVNL website: <http://webdispatcher.tvnl.in/srmprd> with the given ID & password.

- j. The bidder has to bid for part-II (Price part) on TVNL website: <http://webdispatcher.tvnl.in/srmpnd> only.  
**Hard copy of Price Part is not needed to submit with bid.**
6. **Earnest Money Deposit (EMD):** Offers shall be accompanied with earnest money deposit (EMD) of requisite value as specified in a separate envelope failing which offers are liable for rejection.  
EMD may be furnished in any of the following forms:-  
a. Bank Guarantee from a Nationalized bank/Schedule commercial bank irrevocable & operative till 30 days after the validity of the offer or extended validity of the offer.  
b. Online payment through TVNL website (<https://tvnl.in/tvnltbs/>).  
The earnest money will be forfeited on revocation of tender before expiry of validity of the tender or on refusal to enter into the contract after the award is made by TVNL to the tenderer.  
However, EMD is not required in case of NSIC/SSI registered parties/Local MSEs (Jharkhand state only) registered parties (with all statutory license/ certificate as per MSME act.). Non-MSE units of Jharkhand will get 50% concession in EMD.
7. **Security Deposit:** The successful bidder shall have to deposit total security deposit @ **10%** of order value in which security money @**5%** of the order value (including earnest money) have to be submitted as initial security deposit. Initial security money will be accepted as Bank Draft/ Bank Guarantee prescribed format not adjustable against running bill. The security deposit shall have to deposit well before execution of the Agreement. Balance **5%** of security money will be deducted from R/A bills. The total Security money may be released after successful completion of every one year after submission of no demand certificate.
8. **Payment Terms:** Payment of Contractor will be made through quarterly running bills which will be verified by Engineer – in – Charge after successful completion of the work.
9. **Paying Authority:** The Accounts Officer, TTPS, Lalpania will be the Paying Authority.
10. **Engineer-in-Charge:** Concerned Electrical Executive Engineer will be the Engineer-in-Charge for this work. The works are to be executed as per direction of Engineer-in-Charge. Anything not mentioned here in shall be decided by the Engineer-in-Charge of the work and shall be binding on the contractor.
11. **Period of Contract:** The period of contract will be valid for one year. If the services rendered have been found satisfactory, period of contract may be extended further as per requirement of site on mutual agreement with same rates and terms & conditions.
12. **Scope of the work:** Scope of the work is attached here as a guideline to execute the work. However, contractor has to execute all the work as per direction of Engineer-in-Charge for proper working of equipments.
13. **Taxes:** All statutory taxes as applicable shall be deducted from each running bill of contractor.
14. **Violation of Terms & Conditions of Tender:** All terms and conditions of tender shall form a part of the contract. If contractor fails to execute the work up to entire satisfaction of Engineer -in -Charge as per terms & conditions of tender, then the contract agreement can be terminated after one-month prior notice and security money shall be forfeited.
15. **Subletting:** The successful bidder will have to execute the work directly on its own. No subletting will be allowed.
16. **Competent Authority:** Managing Director TVNL reserves the right to extend the due date and to reject any/ all the tenders or to increase/ reduce/ distribute the quantity of tender without assigning any reason thereof and not bound to accept the lowest tender or to assign any reason for the rejection of the lowest tender. During the execution of work in case of any dispute between the Engineer-in -Charge and contractor, the decision of General Manager Tenughat TPS will be final and binding.
17. **Facilities to be provided by TVNL:**

- a. Unfurnished accommodation for office with water and electricity inside the power house will be provided free of cost if available.
  - b. Guest house facility shall be provided to the visiting engineers/officers of the Contractor on chargeable basis if available.
  - c. Unfurnished accommodation may be provided to the employees of the Contractor, if available during the period of execution of work in TTPS Township on rental basis as per departmental rule.
  - d. Electricity will be provided on chargeable basis as per JBVNL Tariff.
  - e. Medical facility as available at project site shall also be extended to the employee of the contractor. No payment will be made for any medicine purchased from outside or any treatment or test done outside the TTPS Hospital.
- 18. Penalty:** The successful bidder has to ensure minimum 95% uptime of all items (mentioned in scope of work) for which he will be required to submit item wise price-breakup before acceptance of the work order. In case, the uptime for particular item falls below 95%, the penalty @4% of the maintenance charges for the particular item shall be levied for every 1% reduction in uptime. In case of any breakdown, fault or emergency maintenance which affects our business, the successful bidder has to attend the same without any delay. In case of failing or deliberated neglect, the work will be carried out through outside agency at the cost & risk of the contractor and this may be liable for termination of their contract.
- 19. Departmental Facilities:** In case of major repair of equipments and testing of special equipments contractor should have to provide services of an expert from manufacturer and special tools & tackles. The contractor will also provide all other technical staffs and T&P's consumables etc free of cost. However, all spares' parts shall be provided by TVNL on free of cost.
- 20. Agreement:** The firm or his legally authorized representative having Power of Attorney will have to execute agreement with the ordering authority within 25days of issue of order in the event of placement of order on them. The agreement will have to be prepared on a non-judicial stamp paper of Rs.50/- only on Nigam's format. Bank Guarantee against Security Deposit, Performance Guarantee etc. as per order will have to be furnished well before execution of agreement. The contractor is required to produce all original paper and documents for verification before agreement failing which order will be cancelled.
- 21. Jurisdiction of Court:** Any dispute between the Contractor and TVNL shall be settled in the Civil Court, at Ranchi, Jharkhand only.

(Signature & Seal of Bidder)

**TENUGHAT VIDYUT NIGAM LIMITED**  
HINOO, DORANDA, RANCHI-834002.

**NIT NO- 12/IT/W/TVNL/RAN/2021-22**

**BILL OF QUANTITY**

**Part II- Price Part**

**Sub: Supply of Services of Comprehensive AMC for complete Blade Server Infrastructure, SAN Switch & SAN Storage, Tape Library, Data Protector and Core Switch for one year at TTPS, Lalpania.**

S.No	Description	Qty
1	HP ProLiant BL420c Gen8, Intel(R) Xeon(R) CPU E5-2407 0 @ 2.20GHz (4 Cores), 8 GB RAM, 2x300GB HDD with Operating System	1
2	HP ProLiant BL420c Gen8, Intel(R) Xeon(R) CPU E5-2407 0 @ 2.20GHz (4 Cores), 8 GB RAM, 2x300GB HDD with Operating System	1
3	HP ProLiant BL420c Gen8, Intel(R) Xeon(R) CPU E5-2407 0 @ 2.20GHz (4 Cores), 8 GB RAM, 2x300GB HDD with Operating System	1
4	HP ProLiant BL420c Gen8, Intel(R) Xeon(R) CPU E5-2407 0 @ 2.20GHz (4 Cores), 16 GB RAM, 2x300GB HDD with Operating System	1
5	HP ProLiant BL420c Gen8, two Intel(R) Xeon(R) CPU E5-2430 0 @ 2.20GHz (6 Cores), 48 GB RAM, 2x900GB HDD with Operating System	1
6	HP ProLiant BL420c Gen8, Intel(R) Xeon(R) CPU E5-2407 0 @ 2.20GHz (4 Cores), 16 GB RAM, 2x300GB HDD with Operating System	1
7	HP ProLiant BL420c Gen8, Intel(R) Xeon(R) CPU E5-2407 0 @ 2.20GHz (4 Cores), 8 GB RAM, 2x300GB HDD with Operating System	1
8	HP ProLiant BL420c Gen8, two Intel(R) Xeon(R) CPU E5-2430 0 @ 2.20GHz (6 Cores), 32 GB RAM, 2x300GB HDD with Operating System	1
9	HP Integrity BL860c i4 Server Blade, two Intel(R) Itanium(R) Processor 4-core 2.40 GHz with 32MB Last Level Cache 9550 (4 Cores), 192 GB RAM, 2x900GB HDD with HP-UX Operating System with Virtualization	1
10	HP Integrity BLc7000 CTO Enclosure	1
11	HP Integrity BL860c i4 Server Blade, two Intel(R) Itanium(R) Processor 4-core 2.40 GHz with 32MB Last Level Cache 9550 (4 Cores), 192 GB RAM, 2x600GB HDD with HP-UX Operating System with Virtualization	1
12	HP Integrity BL860c i4 Server Blade, two Intel(R) Itanium(R) Processor 4-core 2.40 GHz with 32MB Last Level Cache 9550 (4 Cores), 192 GB RAM, 2x600GB HDD with HP-UX Operating System with Virtualization	1
13	HPE Integrity BL860c i4 Server Blade, Intel(R) Itanium(R) Processor 4-core 2.40 GHz with 32MB Last Level Cache 9550 (4 Cores), 192 GB RAM, 2x900GB HDD with HP-UX Operating System with Virtualization	1
14	HPE Integrity BL860c i4 Server Blade, Intel(R) Itanium(R) Processor 4-core 2.40 GHz with 32MB Last Level Cache 9550 (4 Cores), 192 GB RAM, 2x900GB HDD with HP-UX Operating System with Virtualization	1
15	HPE Integrity BLc7000 CTO Enclosure	1
16	HPE 8/24 Base 16-Ports Enabled SAN Switch	1
17	HPE 8/24 Base 16-Ports Enabled SAN Switch	1
18	HPE MSA 2040 SFF Chassis, 10x 900 GB HDD, 14x300 GB HDD	1
19	HPE MSL 2024 0-Drive Tape Library with 1 writer	1
20	HPE D2700 Disk Enclosure, 7x300GB HDD, 12 X 900 GB HDD	1
21	HPE D2700 Disk Enclosure, 25X300GB HDD	1
22	HPE D2700 Disk Enclosure, 13x 300GB HDD	1
23	Data Protector	1
24	HP 7506 Switch Chassis (Core Switch)	1
25	One VM of item no. 11 and One VM of item no. 12 are in cluster	1

**Note: The price bid to be submitted in TVNL SRM portal only.**