

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

TELE: 0651- 2253841 , 2252160, 2252164

Website: www.tvnl.in

CST NO:229C	TIN NO:200992201429	PAN NO:AACCT1197L
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NIT NO. 46/CHP-II/W/TVNL/RAN /2019-20 DUE ON 22.10.2019
SRM RFx No. 1000003983



TENDER DOCUMENT

SUB: Supply, Installation and Commissioning of RDSO approved 140 MT pitless Electronic In-Motion Rail Weigh Bridge (15 KMPH speed) on turnkey basis at TTPS, Lalpania.

TENUGHAT VIDYUT NIGAM LIMITED



तेनुघाट विद्युत निगम लिमिटेड
(A GOVT. OF JHARKHAND UNDERTAKING)
HINOO, RANCHI-834002

Letter No. 1039/19-20

Dated: 27.09.2019

NIT No. 46/CHP-II/W/TVNL/RAN /2019-20
SRM RFx No. 1000003983

For and on behalf of TENUGHAT VIDYUT NIGAM LIMITED (TVNL), Ranchi tenders in two parts (Part-I Technical & Commercial Bid, Part-II Price Bid to be submitted in TVNL Website Only) (A-Requisite cost of Tender Document & Earnest Money of specific value to be submitted to TVNL, contact person well before submission deadline, B-Technical & Commercial) are invited online through SAP-SRM, in TVNL website: webdispatcher.tvnl.in/srmprd from experienced, reputed and financially sound firms for supply, installation and commissioning of RDSO approved 140 MT Pitless Electronic In-Motion Rail Weigh Bridge (15 KMPH speed) on turnkey basis at TTPS, Lalpania, Dist. Bokaro, Jharkhand, the details of which are as follows:-

Description of Item	Supply, installation and commissioning of RDSO approved 140 MT Pitless Electronic In Motion Rail Weigh Bridge (15 KMPH speed) on turnkey basis at TTPS, Lalpania.
Estimated Cost (Rs.)	Rs. 13,83,00.00 (Rupees Thirteen lakh eighty three thousand) only plus GST as applicable.
Cost of Tender Documents in the form of DD (Non Refundable)	Rs. 2,000/- (Rupees Two thousand) only.
Amount of EM to be deposited in the form of DD.	Rs 27,500.00 (Rupees Twenty seven thousand five hundred) only.
Downloading of Tender Paper	From 30.09.2019 and onwards up to due date & time of bid submission
Last Date & Time for receipt of Tender Paper	22.10.2019 , up to 14:00 Hrs.
Date & Time of Opening of Part-I of Tender	22.10.2019 , at 16:00 Hrs.
Place of submission of bid documents and address for communication	HoD(F&A/Civil), Tenughat Vidyut Nigam Limited, Hinoo, Doranda, Ranchi-834002.

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

- a. The bidders must be approved by RDSO and shall have to submit proof of working experience of similar work in any Govt./Semi Govt./CPSU/SPSU/SEB's.
- b. The average annual financial turnover during the last 03 (three) financial years, ending 31st March of the previous financial year, should be at least 30% of the estimated cost.
- c. The bidder should have experience of having successfully completed similar works during last seven years ending last day of month previous to the one in which applications are invited. The successful completed similar work shall be either of the following :
 - i. Three similar completed works each costing not less than the amount equal to 40% of the estimated cost.
 - OR**
 - ii. Two similar completed works each costing not less than the amount equal to 50% of the estimated cost.
 - OR**
 - iii. One similar completed work costing not less than the amount equal to 80% of the estimated cost.

“Similar work means the bidder must have working experience of supply, installation and commissioning of RDSO approved 140 MT Pitless Electronic In-Motion Rail Weigh bridge (15KMPH) as per required specifications in any Govt./Semi Govt./CPSU/SPSU/SEB’s.”

- d. The bidder should have financial credibility/capacity of at least 10% of the estimated cost. Bidder may submit latest Bank Solvency Certificate of any Nationalized/Scheduled Bank in support of their financial credibility/capacity.
2. The tender document is to be downloaded from the TVNL website www.tvnl.in . Tenders will have to be submitted in TVNL Web Portal only website <https://webdispatcher.tvnl.in/srmprd> For easy reference “**Vendor Bidding Manual for Open Tender**” can be downloaded/viewed from the TVNL website homepage.
 3. After advertisement of NIT, intended bidder will first communicate with TVNL contact person Mr. Arun Prasad, A.Ex.E.(F&A/Civil),TVNL HQ for this aforesaid NIT on his Mobile No-9031078870 and send their firm details well before the submission deadline like Name, address, email, phone nos. and brief company’s credentials also company’s contact person name, email, Mobile no. may be sent in email ID:arunraj2k3@gmail.com 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: <https://webdispatcher.tvnl.in/srmprd> with the given ID & password.
 4. The cost of tender document shall be deposited well before the submission deadline of the tender in the shape of Bank Draft issued by any Nationalized/Scheduled Bank in favour of “TENUGHAT VIDYUT NIGAM LIMITED” payable at Ranchi which may be submitted to TVNL contact person, in person or communicate to contact person by email by attaching the scanned copy of the Demand draft so that the contact person will 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. Bidder have to fill as well as attach scanned copies of the related documents to qualify in the part-I (Technical & commercial) on TVNL website: <https://webdispatcher.tvnl.in/srmprd> and also the bidder has to submit the hardcopy of bid part-I (Technical & commercial) to the HoD(F&A/Civil), TVNL, Ranchi office before the submission deadline along with the DD of cost of tender document and Earnest money deposit (EMD).
 6. Bidder have to bid for part-II (Price part) ONLINE on TVNL website:<https://webdispatcher.tvnl.in/srmprd> only. **Price Part is not to be submitted in Hard copy.**
 7. 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.
 8. Tender without Earnest Money shall not be considered. 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 is to be furnished in the form of Demand Draft from any Nationalized Bank/ Scheduled Commercial Bank in favour of “TENUGHAT VIDYUT NIGAM LIMITED” payable at Ranchi. However, EMD is not required in case of NSIC/MSME registered parties of Jharkhand.
 9. 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.
 10. Any corrigendum/Addendum/Extension of bid opening date and cancellation of NIT will be published through our website www.tvnl.in only and not through newspaper. The bidders are requested to visit our website regularly for any addendum/corrigendum/extension relating to the NIT.
 11. The due date of bid opening as mentioned in the tender 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 received up to the time of closing of bids on the next working day shall be considered for opening.
 12. TVNL reserves the right to reject any / all offer increase/decrease or to distribute the quantity among the bidders without assigning any reason thereof.

Sd/-
(U. K. Singh)
HOD (F&A/Civil)

TENUGHAT VIDYUT NIGAM LIMITED
HINOO, RANCHI-834002

NIT No. 46/CHP-II/W/TVNL/RAN /2019-20
SRM RFx No. 1000003983

BILL OF QUANTITY

PART- I (TECHNICAL & COMMERCIAL)

Sub: Supply, Installation and Commissioning of RDSO approved 140 MT pitless electronic In-Motion Rail Weigh Bridge (15 KMPH speed) on turnkey basis 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.	Nature of Firm (Proprietorship/Partnership /Pvt. Ltd./Public Sector) (Attach proof)		III	
4.	Name of the Proprietor/ Head of the Firm and its key personnel with organizational chart giving details of qualification and experience etc.		IV	
5.	Whether the firm is registered with NSIC/MSME of Jharkhand. (enclose copy of certificate)		V	
6.	Work Experience of Bidder (Attach copy of work order of similar work and its successful completion certificate during last seven years as per Sl. No. 1.c 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 st March, 2019 are essential)	Average annual financial turnover of bidder during the last 03 (three) years Rs..... Annual Turnover FY 2018-19: Rs..... FY: 2017-18Rs..... FY 2016-17: Rs.....	VIII	

9.	Name & Designation of Authorized Signatory (Attach Power of Attorney if applicable)		IX	
10.	Name and Qualification of the site-in-charge		X	
11.	Permanent Account Number (PAN) (Attach proof)		XI	
12.	Goods and Services Tax Registration Number (GSTIN) (Attach proof)		XII	
13.	Labour License No. (Attach copy of registration)		XIII	
14.	Particulars of Earnest Money (DD No. & Date)		XIV	
15.	Particulars of Cost of Tender Document(BOQ) (DD No. & Date)		XV	
16.	EPF Code No. (Attach copy of registration)		XVI	
17.	Character Certificate of the Head of the Firm issued within last six month from due date of NIT. (Issued by the Officer not below the rank of Magistrate)		XVII	
18.	Validity period of the offer (minimum 120 days)		XVIII	
19.	Whether you will deposit Security Money. If not reasons thereof with documentary proof of exemption:		XIX	
20.	Whether you will furnish the Performance Guarantee		XX	
21.	Do you fulfill the pre-requisite qualification?		XXI	
22.	Whether you accept all term & conditions of B.O.Q.		XXII	
23.	Details required for ERP Vendor Coding:- a. Name of firm : b. Address : PIN: c. E-mail ID : d. Phone No. : e. Name of Contact Person: f. TIN No : g. CST No. :		XXIII	

24.	h. GSTIN No : i. PAN No : Details required for EMD Refund through RTGS/NEFT : j. Bank Name : k. Branch : l. Branch Code : m. A/c. No. : n. IFS Code : o. MICR Code :		XXIV	
25.	Any extra information		XXV	

(Signature & Seal of Bidder)

TENUGHAT VIDYUT NIGAM LIMITED
HINOO, RANCHI-834002

NIT No. 46/CHP-II/W/TVNL/RAN /2019-20
SRM RFx No. 1000003983

Sub: Supply, Installation and Commissioning of RDSO approved 140 MT pitless electronic In-Motion Rail Weigh Bridge (15 KMPH speed) on turnkey basis at TTPS, Lalpania.

Technical Specifications

01	General Requirement of Rail Weighbridge System:- (These specifications lay down technical requirements for Electronic in motion Weighbridge suitable for weighing up to 15 KMPH. These shall be referred as WB 15 in these specifications.)
02	Weighing speed: Weighing speed shall not exceed 15 KMPH for WB15 weighbridge. Maximum Speed during non-weighment: Limited only by track parameters. The system shall be a structure free design which does not impose any restriction on the speed during non-weighment.
03	Weighbridge Capacity: Transducers shall be able to measure a load of up to 35 tons for each axle and software/hardware should be able to compute weights up to 140 tons for an individual wagon/coach.
04	Advance over speed warning system: A visual warning shall be provided for guiding the driver for controlling the speed before the train approaches the weigh bridge. The advance over speed warning system shall be installed at a suitable height and location to provide visibility from both sides to train crew approaching the weighbridge.
05	The color of visual indication will be purple, with provision of LED's as the light source & it will have two aspects: <ul style="list-style-type: none">• Steady- When the speed of the train is within specified limits.• Pulsating- When the train is over-speeding.
06	Anti roll back: The system shall take care of the effect of roll back at the time of weighing so that the reverse movement of the stopping train does not have any effect on the orderly recording of weight of each wagon/coach in the train.
07	Wagon or Coach Identification: The measurement technique used may be either axle-by-axle or bogie-by-bogie. However, the machine shall identify two axle & four axle wagons & brake vans and locomotives (and eliminate brake vans & locomotives in the weighment). It shall be possible to weigh all types of approved wagon & coaching stock available on Indian Railways, which include container wagon i.e. BLCA & BLCB and their variants, Parcel Vans, variants of passenger coaches and also VPU, VPH & their variants.
08	Bi-directional weighing: The weighment shall be possible from both directions.
09	Mixed rake weighing: It should be possible to weigh a mixed rake (combination of different type of rolling stock) & rake consisting of empty and loaded wagon/coaches.
10	Working environment: The system supplied should be rugged to work satisfactorily in ambient temperatures ranging from -10 ⁰ C to 50°C, 95% humidity, dusty environment and tropical conditions. The instrumentation shall be designed and manufactured in such a manner that when exposed to ambient conditions beyond what is specified, either: <ul style="list-style-type: none">i. Significant faults do not occur, orii. Significant faults are detected and acted upon. <p>Note: A fault equal to or less than a significant fault (1xd) is allowed irrespective of the value of error of indication.</p>
11	Weighing increments/Scale interval: Weighing increment/scale interval should be 100 kg maximum uniformly throughout its capacity.
12	Accidental maladjustment: Instruments shall be constructed so that maladjustment's likely to disturb metrological performance cannot normally take place without the effect being detected.
13	Tamper Proof: The junction Boxes, Hardware cabin etc. should have the arrangement of bolting/ locking to prevent it being tampered by unauthorized person. The subassemblies/assemblies, alteration of which can lead to erroneous

	weightment should be made as tamper as feasible. Arrangement should be available to ensure that logging details at the time of calibration are recorded and can be seen for verification. Calibration through CPU should not be possible.
14	Equipment requirements: These shall comprise of weigh rails with transducers, track switches/sensors, weighing system electronics (control console) and processing and printing equipment and any other equipment required for satisfactory performance of the system.
15	Weigh rails: Weigh rails with transducers suitable for the purpose. The length of these rails shall be at least 5.5 meters. The rail section will be the same as the adjoining rail section (52kg/60kg any other as the case may be) 6.1.1 “IRST-12-Grade 880” Rails shall be used in the Weighbridges if they are installed on main/loop lines. The purchase of the Rails by the Electronic In-Motion Weigh Bridge manufacturer shall be governed by the the extant instructions issued by Railway Board. 6.1.2 Industrial use (or IU) rails may be used for private sidings, where there is no movement of passenger trains.
16	Rail transducers: Rail transducers should meet following specifications.
17	Cables and connectors: Suitable for Rail transducers with proper screening to isolate leakage (Elec.)
18	Type or protection- The IP rating for equipment and enclosure Should be IP 67 as specified in AS 1939 and EN 6052.
19	Provision of suitable compensating methods for thermal stressed and dis-balance of wheat stone bridge under no load conditions.
20	Track sensors (Track switches):
21	Track sensors shall be non-contact type of proximity sensors.
22	Track switch combinations used shall be capable of speed measurement, discriminating the type of axle combination and define weighing zone.
23	The switches shall be rugged enough to work in all weather conditions.
24	The junction boxes used shall be suitable to work in all weather conditions.
	Weighing system electronics:
25	It shall consist of control console and PC, PC shall communicate with the control board through a standard RS 232 serial port. This condition would not be applicable if PC itself if used for implementing track switch logic.
26	System should be free of relay logic. All the control logic should be achieved through semi-conductor devices.
27	A key board shall be provided for inputting the data from time to time.
28	A visual display unit shall be provided for monitoring the contents and results visually.
29	A printer shall be provided for getting a hard copy of the weight of the individual wagons and total train.
30	Suitable fault finding software routines for display of major faults occurring in the system shall be provided. Suitable LED panel should be provided on the console, each LED indicating a specific fault and LED should light up indicating the type of fault for diagnostics.
31	Auto Zero function for eliminating zero error resulting from drift shall be provided after each and every operation. Auto calibration & balance should be possible in case out of balance is within 4% of the capacity of the load cells.

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INSTRUCTIONS TO BIDDERS FOR ONLINE BIDDING

Each of these instructions must be read carefully and followed strictly. Failure in complying with any of these would render your offer liable for non-submission and TVNL or its any department will not take any responsibility for any bid not successfully Submitted/Participated in **RFx (Request for Quotation)**.

IMPORTANT STEPS FOR PARTICIPATION IN BIDDING.

If Bidder is interested to participate in the Open tender, then follow the below steps to provide the bid quotation.

Note: Use Only Internet Explorer browser to login into TVNL Portal.

- 1) Open RFx**
- 2) Pay tender Fee & Earnest Money Deposit Amount and inform the same to TVNL contact person.**
- 3) Click on participate button.**
- 4) Click on Create Response Button.**
- 5) Enter the Price in the Item tab.**
- 6) Click on Technical RFx Button to upload the documents.**
- 7) Finally click on Submit button before the Submission deadline date and time.**

PAY THE TENDER FEE & EARNEST MONEY DEPOSIT (EMD) AMOUNT

Tender Fee & Earnest Money Deposit may be submitted to TVNL contact person in person or communicate to the contact person by email by attaching the scanned copy of the Demand draft so that the contact person will 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.

Inform TVNL contact person to provide the access to RFx to participate in the Bidding.

OPEN THE RFx NUMBER IN THE VENDOR PORTAL

Vendor login: Login to the TVNL Vendor Portal through the URL mentioned below.

Vendor Login URL: <http://webdispatcher.tvnl.in/srmprd>

Login Page shall appear on Vendor Portal page.

Step-1: Enter the User ID and Password and Change the Password during the first login.

Step-2: Click on Logon button

Step-3: Click on **RFx and Auctions**.

Click on Event Number to open the required RFx No. For E.g. 1000000XXX

If Bidder is accessing the bidder portal for the first time then system will show the Register button once you have opened the RFx as shown in the below screen.

For the second time onwards system will not ask for bidder to Register.

After click on Register button, if bidder is not paid the **“Tender fee amount”** to TVNL then system will show the error message as shown in the below screen.

If you get the error message follow the below step:

- 1) First vendor will pay **“Tender fee & Earnest Money Deposit”** amount and inform the same to TVNL contractor to provide the access to RFx.

Note: Once contact person provide the access to RFx, then bidder will refresh button the RFx and proceed further.

After the bidder Register, system will show the below options to **Participate, Do Not Participate, Tentative and Create Response**.

What is “Participate” button?

- If bidder click on participate that means, Bidder interested in participating the bidding.

What is “Do Not Participate” ?

- If bidder click on Do Not Participate that means, Bidder is not interested to participate in the bidding.

What is “Tentative” button?

- If bidder click on Tentative that means, Bidder either will participate or not participate in the bidding.

What is “Create Response” button?

- After click on participate/Tentative button, bidder will use the create response to provide his/her bid quotation.

TO CREATE THE RESPONSE FOR THE PARTICULAR RFx

Step-1: Open the RFx.

Step-2: Click on Create Response.

ANSWER THE QUESTIONS IN THE RFx

After clicking on create Response button, system will show the error message. At this time, bidder will follow below steps:-

- 1) Click on Questions tab in the screen
- 2) Bidder will find Questions
- 3) Answer to those questions which are marked “*” is mandatory.
- 4) Finally click on check button to check for any error message.

ENTER THE PRICE OF THE ITEMS IN THE RFx RESPONSE

Enter the Price for all the line items and click on Check if in case of errors and click on Submit to complete the RFx Response.

ASK QUESTIONS TO TVNL IF YOU HAVE ANY DOUBTS REGARDING THE RFx

As a Bidder if You have some questions related to RFx and bidder can also ask questions before submitting the bid.

Step-1: Click on “Questions and Answers (0)” button.

Step-2: Enter the Question and click on Send button to send the question to purchaser/TVNL.

Vendor enters the Message and clicks on “Send” button.

TO UPLOAD THE DOCUMENTS IN THE RFX RESPONSE AS A BIDDER

Step-1: Click on “Notes and Attachments” tab

Step-2: Click on “Collaboration Room” as shown in the below screen to upload the documents.

Step-3: Click on Bidder Document folder.

Step-4: Click on Create Button.

Step-5: Select the Documents to upload the documents

Step-6: Enter the Name, Description of the document and click on Continue

Step-7: Click on Browser button to select the document in your local system.

Step-8: Once the document is selected click on save button.

Step-9: The saved document will be shown.

Step-10: Click on Logout and close the window once you have uploaded all the documents.

TO SUBMIT THE RFX RESPONSE AS A BIDDER

Once you have completed the Price, uploaded the documents click on check button for any errors.

If there is no errors system will show the below message.

Click on Submit button to complete the bidding.

After submitted the system will show the RFx Response status as “Submitted”.

You can change the RFx Response even after bid has been submitted only when the submission date or time is still remaining (Not passed).

Step-1: Open the RFx Response

Step-2: Click on Edit Button

Step-3: Make changes in the RFx Response and Click on Submit.

You can also click in the Withdraw button to withdraw a bid and then If you Click on Edit button after withdrawal you can again make changes and resubmit the RFx Response if the submission time is remaining.

(Signature & Seal of Bidder)

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GENERAL INSTRUCTIONS TO BIDDERS

1. The tender document is to be downloaded from the TVNL website: www.tvnl.in. Tenders will have to be submitted in TVNL Web Portal only website <https://webdispatcher.tvnl.in/srmprd> For easy reference “Vendor Bidding Manual for Open Tender” can be downloaded from the TVNL website homepage
2. 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: arunraj2k3@gmail.com, 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: <https://webdispatcher.tvnl.in/srmprd> with the given ID & password.
3. The cost of tender document shall have to be deposited well before the submission deadline of the tender in the shape of Bank Draft issued by any Nationalized/Scheduled Bank in favour of “TENUGHAT VIDYUT NIGAM LIMITED” payable at Ranchi which may be submitted to TVNL contact person, in person or communicate to the contact person by email by attaching the scanned copy of the Demand draft so that the contact person will 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. **Bidder will not get access to bidding in SRM-SAP without providing the details of cost of tender document and Earnest money deposit (EMD).**
4. The bidder has to submit in sealed envelope hardcopy of all the enclosures uploaded of bid part-I (Technical & commercial) to HOD(F&A/Civil), TVNL, Ranchi office before the submission deadline along with the DD of cost of tender document and DD of Earnest money deposit (EMD) should submitted personally or sent by Registered Post / Speed Post. The NIT no., bid due date, details of cost of Tender and earnest money deposit (EMD) should be super scribed on the envelope.

Bidder have to bid for part-II (Price part) on TVNL website:

<https://webdispatcher.tvnl.in/srmprd> only.

Price Part is not to be submitted in Hard copy.

5. 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) Through Demand Draft drawn on any Nationalized bank/Schedule commercial bank in favour of “TENUGHAT VIDYUT NIGAM LIMITED” payable at Ranchi.
 - (b) 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.
 - (c) 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.
 - (d) Tenders without Earnest Money shall not be considered other than NSIC/MSME registered firms. A copy of such registration has to be furnished for claiming exemption from EMD. Exemption from the Earnest Money to NSIC/SSI units will be considered as per Govt. Circulation. MSME units of Jharkhand will be given preference as per Govt. rule.
6. **Validity of Offer:** The bid submitted by the bidders should remain valid for a minimum period of 120 days from the date of opening of Part-I unless otherwise specified.
7. **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 in the office of TVNL before the prescribed date and time.
8. **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.
9. **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. **The hard copy of Part-I bid** complete document including all enclosures should preferably be submitted in hard bound or spiral binding and all pages should be numbered and must be signed by the authorized signatory with seal of the company.

e. The **Part-I (Techno-commercial Bid)** should be sealed in a separate envelope super scribed with NIT No., "**Part-I (Techno-commercial Bid)**", Name and address of the bidding firm, and should be addressed to HOD(F&A/Civil), Tenughat Vidyut Nigam Limited, Hinoo, Ranchi-834002.

f. **The Bidders have to bid for part-II (Price part) on TVNL website**

<https://webdispatcher.tvnl.in/srmpd> only. Price Part is not to be submitted in Hard copy. The rate to be quoted in price part (Part-II) shall be in figure and in words both. In case of difference in the rates quoted in figures and words, the amount in words shall prevail. The bidder must quote firm rates. Bid with variable rates shall be considered invalid.

g. The envelopes containing Part-I (Techno-commercial Bid) should be kept in a second envelope super scribed with NIT No., Name and address of the bidding firm, and should be addressed to HOD(F&A/Civil), Tenughat Vidyut Nigam Limited, Hinoo, Ranchi-834002. Complete tender or tenders not submitted as per requirement as indicated in the NIT are likely to be rejected.

h. 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.

i. 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.

j. All bids will be received in duly sealed cover within the due date and time. Bids received after the due date and time is liable for outright rejection.

10. 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 the form of Demand Draft from any Indian Nationalized Bank/Schedule Commercial Bank in favour of "TENUGHAT VIDYUT NIGAM LIMITED" payable at Ranchi. 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 agreement after the award is made by TVNL to the bidder.

11. Scope of the work: The details of the Scope of the work are as follow:

I. Description of Supply/Work

(1) Supply, installation & commissioning of RDSO approved 140 MT pitless EIMWB with following auxiliaries

- (2) Weigh rail 5.5 mtr with embedded load cells
- (3) Digital weigh indicator
- (4) Track switches (Non contact type)
- (5) Armored Cable
- (6) SPD for both data and power line protection
- (7) Industrial PC
- (8) Printer
- (9) Junction box
- (10) Weighing Software compatible to windows 7 or above,
- (11) A.C (1.5 ton) split with voltage stabilizer.
- (12) Computer table with Chair.
- (13) 1 KVA online U.P.S. with two hour battery back-up
- (14) 2 KVA CVT

II. Installation, commissioning alongwith stamping.

All the above should conform to RDSO specification no.WD-29-Misc-14 with latest revisions if any.

The works are to be executed as per direction of Engineer-in-Charge. Anything not mentioned here in shall be decided by the in charge of the work and shall be binding on the contractor.

- 12. Freight:** Freight charges are inclusive in the above prices.
- 13. Consignee:** Electrical Executive Engineer (Stores), Tenughat Thermal Power Station, Lalpania, Dist- Bokaro-829149, Jharkhand.
- 14. Completion Period:-** The supply, installation and commissioning of the 140 MT Pitless electronic In-Motion Rail Weigh Bridge shall be completed within 04(four) months from the date of completion of RCC foundation by Civil department, TTPS as per RDSO approved drawing. The successful bidder shall make available the RDSO approved drawing to Tenughat TPS, Lalpania for construction of RCC foundation by Civil department.
- 15. Transit Insurance:** In Supplier's scope.
- 16. Rejection of Defective Materials:-** Materials found defective or inferior in quality and not as per enquiry specification shall be rejected and replacement will have to be made by you free of cost.
- 17. Test and Guarantee Certificate:-** Manufacturers test certificate and guarantee certificate shall be submitted along with consignment.
- 18. Guarantee:** The materials to be supplied by you against this order shall be guaranteed against manufacturing defect and bad workmanship. All materials should be guaranteed for satisfactory service for a period of 18 months from the date of dispatch or 12 months from the date of commissioning whichever is earlier. If found unsatisfactory during this period, the same will be replaced immediately by you free of cost.
- 19. O&M Manual & Drawings:** The successful bidder shall submit the O&M Manual & set of required Drawings along with the materials of the weigh Bridge at TTPS (Stores).
- 20. The successful bidder shall provide :-**
(1) Approved drawing of RCC foundation.
(2) Complete documentation of installation and commissioning of 140 MT In Motion rail weigh bridge as per RDSO.
- 21. Inspection:** The materials will be inspected by the Engineer-in-charge i.e. EEE(CHP-II), TTPS after arrival of consignment in the stores. The Electrical Executive Engineer (Stores), TTPS will arrange for inspection.
- 22. Paying Authority:** Accounts Officer, TTPS, Lalpania.
- 23. Payment:** 100% payment through NEFT or RTGS shall be made on recommendation of Engineer-in-charge after S.R.V. of the materials and completion of work subject to availability of fund. No interest will be paid in case of delay in any payment.
- 24. Agreement:** The firm or his legally authorized representative having Power of Attorney will have to execute an agreement with the ordering authority within **25** days 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/- on Nigam's format. Total security deposit of 10 % of work order value is to be deposited towards performance guarantee. The initial security or Performance Security Deposit of 5% of work order will have to be furnished well before execution of agreement against the work order and balance 5% amount will be deducted from running bill against the order. The bidder shall be required to produce all original paper and documents for verification before agreement failing which order may be cancelled.
- 25. Jurisdiction of Court:** Any dispute between the Contractor and TVNL shall be settled in the Civil court, Ranchi, Jharkhand only.

- 26. Labour Laws:** The bidder has to follow the guidelines laid under the labour law, workmen compensation, and EPF rules in respect of minimum wages, EPF payment and other service condition. In the event of any accident / casualty to the employees of contractor, the compensation payable to the employees is to be borne by the contractor and TVNL will not be responsible in any way.
- 27. Minimum Wage Guarantee:** The contractor shall strictly ensure that the minimum wages as stipulated by GoJ from time to time is paid to their workmen. Any increase in minimum wages during the period of contract, will have to be paid to their workmen without any claim on TTPS/TVNL. If the contractor fails to comply with guarantee of minimum wages then the agreement is liable to be terminated and security money may be forfeited.
- 28. Taxes:** All statutory taxes as applicable shall be deducted from bill of the contractor.
- 29. 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.
- 30. Subletting:** The successful bidder will have to execute the work directly. No subletting will be allowed.
- 31. 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 GM, Tenughat TPS will be final and binding.
- 32. Man Power:** A list of manpower arranged by the contractor should be submitted to Engineer -in - Charge of the work before deployment and same should be deployed with due permission of Engineer -in - Charge. If the performance of the deployed person is not found up to the mark at any time, the contractor will have to replace them with experienced and suitable person.
- 33. Tools & Tackles:** The contractor should have to arrange minimum of minor and special tools & tackles as per scope of work.
- 34. Site Cleaning:** The Contractor must keep clean the working area after completion of the job. Waste materials and garbage shall be disposed off by the contractor at suitable place as per the instruction of the Engineer-in-Charge.
- 35. Liquidated Damages for Delay in Completion:** In case of any delay in the execution of the work beyond the stipulated date of completion/ Completion schedule including any extension permitted in writing, TVNL reserves right to recover from the agency a sum equivalent to 0.5% of the value of the delay work for each week of delay and part thereof subject to a maximum of 5% of the total value of the work.
- 36. Mobilization Time:** The successful bidder will be given maximum one month time from the date of LOI/Work Order for mobilization of resources, manpower and starting the work. The contractor failing to enter in to agreement and start the work within one month will lose the work order and earnest money/security money and work will be allotted to L2, L3.....bidder if they agree to work on L1 rate.

(Signature & Seal of Bidder)

TENUGHAT VIDYUT NIGAM LIMITED
HINOO, RANCHI-834002.

BILL OF QUANTITY

PART – II (PRICE PART)

NIT No. 46/CHP-II/W/TVNL/RAN /2019-20
SRM RFx No. 1000003983

Sub: Supply, Installation and Commissioning of RDSO approved 140 MT pitless Electronic In-Motion Rail Weigh Bridge (15 KMPH speed) on turnkey basis at TTPS, Lalpania.

Sl. No.	Description of work	Total Amount (Rs.)
1.	Supply, Installation and Commissioning of RDSO approved 140 MT pitless Electronic In-Motion Rail Weigh Bridge (15 KMPH speed) on turnkey basis at TTPS, Lalpania.	

Note:

1. Total quoted cost will be the criteria for defining L₁ bidder
2. GST will be paid extra as applicable.
3. **Part-II (Price part) is to be submitted ONLINE only on TVNL website: <https://webdispatcher.tvnl.in/srmprd> . The hard copy of PRICE shall not be submitted.**

(Signature & Seal of Bidder)