BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprises)

BSNL CIVIL CHHATTISGARH ZONE, RAIPUR



NOTICE INVITING TENDER

OFFICE OF THE EXECUTIVE ENGINEER (Civil)
BSNL, CIVIL DIVISION
BILASPUR.

NAME OF WORK

Maintenance of 40 Metre Light Weight Narrow Base Tower by providing missing Members, Nut Bolt Tightening, painting etc. at "BIRRA", District:- Janjgir-Champa Under Bilaspur BA.

Certified that this Tender Document contains 31 pages only.

Tender Documents can be seen & downloaded from website: www.chhattisgarh.bsnl.co.in

Addition Deletion Correction Overwriting

NAME OF WORK: Maintenance of 40 Metre Light Weight Narrow Base Tower by providing missing Members, Nut Bolt Tightening, painting etc. at "BIRRA", District:- Janjgir-Champa Under Bilaspur BA.

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IMPORTANT INSTRUCTIONS TO ALL TENDERERS

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR TENDERING

- 1. The intending bidder must read the terms and conditions of BSNL-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
- **2.** Information and instructions for bidders posted on website **www.chhattisgarh.bsnl.co.in** shall form part of bid document.
- 3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.upe.bsnl.co.in.
- 4. The bid can only be submitted after mandatory documents such as Demand Draft or Pay order or Banker's Cheque or Deposit at call Receipt or Fixed deposit receipts towards cost of bid document in favour of BSNL Bilaspur and other documents as specified.
- 5. Contractor must ensure to quote rate of each item. Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).If quoted rates is "Normal Item" this amount will be paid to the contractor/Firm by BSNL, if quoted rates is "Minus/deduction Item" this amount will be paid/adjust to BSNL by the contractor/Firm.
- **6.** The Contractor / supplier will have to read carefully nomenclature of the items of schedule and thereon for Deduction items agency will quote rate with negative (-) sign. If he/she quotes rate with positive sign, during scrutiny that shall be considered negative and accordingly amount shall be calculated.
- **7.** Conditional tender shall be rejected.
- **8.** The department reserves the right to reject any prospective application with assigning reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criteria. The bidder may ask the bidding conditions, bidding process and/ or rejection of its bid.
- **9.** Tender document can be obtained by downloading it from the Tender link of website www.chhattisgarh.bsnl.co.in
- **10.** If the date fixed for opening of bids is subsequently declared as holiday by the BSNL, the revised date will be notified. However, in absence of such notification, the bids will be opened on next working day, time and venue remaining unaltered.

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DECLARATION TO BE GIVEN BY THE TENDERERS WHO HAVE DOWN LOADED THE TENDER DOCUMENT FROM THE WEBSITE

It is to certify that:

- 1. I / We are submitting the tender in the proforma as downloaded directly from the website & there is no change in formatting, number of pages etc.
- 2. I / We are submitting tender document which is same/ identical as available on the website.
- 3. I / We have not made any modification / corrections / additions etc in the tender documents downloaded from web by me / us.
- 4. I / We have checked that no page is missing and all pages as per the index are available & that all pages of tender document submitted by us are clear & legible.
- I / We have signed (with stamp) all the pages of the tender document before submitting the 5. same.
- I / We have wax sealed / adhesive tape sealed the tender documents properly before 6. submitting the same.
- I / We have submitted the cost of tender separately along with the Earnest money as detailed in NIT.
- I / We have read carefully & understood the important instructions to the all tenderers & to tenderers who have down loaded the tenders from the website.
- 9. In case at any stage later, it is found there is difference in our downloaded tender documents from the original, BSNL shall have the absolute right to take any action as deemed fit without any prior intimation to me / us.
- In case, at any stage later, it is found there is difference in our downloaded tender document from the original, the tender / work will be cancelled and Earnest Money/ Security Deposit will be forfeited at any stage whenever it is so noticed. I / WE will not claim any damages / compensation on this account.
- In case, at any stage later, it is found there is difference in our downloaded tender documents from the original, I / We may also be debarred for further participation in the tender in the concerned BSNL Civil Zone & would also render me / us liable to be removed from the approved list of contractors of the Company.
- 12. I. s/o resident of Hereby certify that none of my relative(s) as defined above is/are employed in concerned BSNL Civil Zone. In case at any stage, it is found that the information given by me is false/incorrect, BSNL shall have the absolute right to take any action as deemed fit without any prior intimation to me. Loffer to work at the rates as indicated in the Price Bid inclusive of all applicable taxes

inclusive of GST.	ic rates as indicated in	Talle Trice Bla melasive	or all applicable taxes
Dated			
			(TENDERER) (SIGN WITH SEAL)
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LIST OF DOCUMENTS TO BE SUBMITTED

- 1. Demand draft / Pay order or Banker's Cheque /FDR against EMD.
- 2. Demand draft/Pay order or Banker's Cheque of any Scheduled Bank towards cost of Bid document.
- 3. Enlistment order of the contractor.
- 4. Certificates of Work Experience, if applicable.
- 5. GST Registration No.
- Employee Provident Fund Registration No.
- 7. Undertaking of no near relative in BSNL.
- 8. A self declaration that the bidder is not black listed by GST authorities.
- 9. Power of Attorney attached, if applicable
- Note: 1.The bidders must note that Rates to be quoted must be exclusive of contribution towards EPF and ESIC. The EPF and ESIC shall be reimbursed on production of receipt of deposit in this regard along with the invoice for the work.
 - Contractor must note that at present the rate of GST for this work is 18%. The bidders are advised to get familiarise themselves thoroughly in this regard before bidding. The Quoted rates should be inclusive of GST.
 - 3. The Successful Bidder shall have to submit the proof of registration of ESIC before award of work.
 - 4. The Successful Bidder shall have to get in self registered after award of work in the office of Labour Commissioner under category of BOCW.

Executive Engineer (Civil)

BSNL Civil Division

Bilaspur

For & on behalf of Bharat Sanchar Nigam Limited

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BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprise)
(CIVIL WING)
NOTICE INVITING TENDER

NIT No. 16/2024-25/ BSNL/CD/BILASPUR

Date: 27.07.2024

- 1.0 Item rate tenders are invited on behalf of BHARAT SANCHAR NIGAM LTD. (A Government of India Enterprise) from approved and eligible contractors of DOT/BSNL, Deptt. of Post, CPWD, CGPWD (Building works), MES & Railways having valid EPFO & GST Registration, for the work of: "Maintenance of 40 Metre Light Weight Narrow Base Tower by providing missing Members, Nut Bolt Tightening, painting etc. at "BIRRA", District:- Janjgir-Champa Under Bilaspur BA".
- 1.1 The work is estimated to Cost Rs. 1,26,289/- (Rupees One Lakh Twenty Six Thousand Two Hundred Eighty Nine) only.
- 1.2 Tenders will be issued to eligible contractors provided they produce proof of the satisfactory completion of the work as below:
- 1.2.1 Criteria of eligibility for tendering for non-BSNL registered contractors:
- 1.2.1.1 For works up to Rs.7 Lakhs NIL
- 2.0 Agreement shall be drawn with the successful Tenderer on prescribed Form No. BSNL W-8, which is available as a BSNL Publication/BSNL Web site www.civil.bsnl.co.inTenderer shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
- 3.0 The time allowed for carrying out the work will be **01 (One) Month** from the **next** day after the date of issue of letter of award of work, or from the first day of handing over of the site, whichever is later, in accordance with phasing, if any, indicated in the Tender Document.
- 4.0 The site for the work is available, OR shall be made available.
- 5.0 The last date of receipt of applications for issue of tender forms (in prescribed format/can also be down loaded from BSNL website www.upe.bsnl.co.in and date of issue of tender forms will be as follows:
 - i) Last date of receipt of application **02.08.2024** up to 16:00 hours.
 - ii) Last date of issue of tender forms 03.08.2024 up to 16:00 hours
- Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms and conditions of the contract to be complied with by the Contractor whose tender may be accepted and other necessary documents, can either be down loaded from the BSNL website www.chhattisgarh.bsnl.co.in or be seen in the Office of the Executive Engineer (Civil), BSNL Civil Division, Raj Kishore Nagar Telephone Exchange, Ilnd Floor, Bilaspur, Pin 495006. between 11:00 hours. & 16:00 hours from 27.07.2024 to 03.08.2024 every day except on Sundays and Public Holidays. Tender documents, excluding standard form, will be issued from his office during the hours specified above on payment of the following: -
 - (i) Cost of Bid/Tender Document (Rs. 500+18%GST) Rs. 590/- (Rs. Five Hundred Ninety) only i/c GST (Non refundable) as demand drafts/ pay order of a scheduled bank drawn in favour of Account Officer (Cash) O/o GM BSNL Bilaspur BA.
 - (ii) Earnest money of Rs. 2530/- (Rupees Two Thousand Five Hundred Thirty) only in cash (up to Rs.2500/-only)/ deposit at Call receipt of a scheduled bank/fixed deposit receipt of a scheduled bank/demand draft of a scheduled bank issued in favour of Account Officer (Cash) O/o GM BSNL Bilaspur BA. When amount of earnest money is more than Rs. 5 lakhs, part of the earnest money is acceptable in the form of Bank Guarantee also. In such case, minimum 50% of earnest money (but not less than Rs. 5 lakh) or Rs. 25 lakh, whichever is less, will have to be deposited in the shape prescribed above. For balance amount of earnest money, bank guarantee will also be acceptable.
 - (iii) The tender shall be accompanied by Earnest Money along with cost of tender, if not paid earlier as in the case of down loaded tender from Website in the form as detailed at sub para (ii) above. Note: Money due to contractor in any other work or earnest money of the previous call of the same work shall not be adjusted towards earnest money.
- 7.0 Tenders, which should always be placed in sealed envelope, in the manner detailed at para9 below, will be received by the **Executive Engineer (Civil)** up to **15:00 Hrs.** on **08.08.2024** and
 will be opened by him or his authorized representative in his office on the same day at **15:30 Hrs.**After opening the main envelope 3, the envelope 1 containing the Earnest Money along with the
 cost of the tender as applicable and eligibility credentials shall be opened first.
 The envelope 2 containing tender shall be opened only for those tenderers whose Earnest Money.

The envelope 2 containing	tender snall be opened	a only for those tender	ers wnose ⊑arnest woney,
cost of tender and eligibility	is found in order.		

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- The unopened tenders shall be returned to the tenderers after the final decision on the tender is reached.
- 8.0 The description of the work is as follows: "Maintenance of 40 Metre Light Weight Narrow Base Tower by providing missing Members, Nut Bolt Tightening, painting etc. at "BIRRA", District:- Janjgir-Champa Under Bilaspur BA".
- **9.0 Submission of tender**: -Tender shall be submitted in following manner:
- 9.1 In case the tender document is down loaded form BSNL website
- 9.1.1 "Earnest money plus cost of Tender and eligibility credentials" shall be placed in sealed envelope1. marked "Earnest money plus cost of Tender and eligibility credentials".
- 9.1.2 The "Tender" shall be placed in sealed envelope-2 and will be superscripted as "Tender"
- 9.1.3 The sealed envelope no.1&2 as above containing "Earnest money plus cost of Tender, Eligibility Credentials", and the "Tender" shall be placed in another sealed envelope-3.
- 9.1.4 All the three envelopes shall be superscripted with following data on it.
- (i) Name of work
- (ii) Name of tenderer
- (iii) Last date of receipt of tender
- 9.2 In case tender document is purchased from Div/Sub-div office
- 9.2.1 Proof for paying the cost of tender documents and copies of documents showing eligibility credentials to be placed in sealed envelope no.1
- 9.2.2 Envelope no. 2 will be as per Para 9.1.2.
- 9.2.3 The sealed envelopes 1&2 shall be placed in another sealed envelope no 3
- 9.2.4 same as 9.1.4
- Note: In case the eligibility credentials are not found in order at any stage i.e. before award of work or during execution of the work or after completion of the work, the contractor will be debarred from tendering in BSNL for three years including any other action under the contract or existing law.
- 9.3 The tender in which rates/percentage are to be quoted should be properly bound and sealed. Loose/spiral bound submission (in case the tender is down loaded from website) shall be rejected out rightly. In case of any correction/addition/alteration/omission in tender document vis-à-vis tender document available on website shall be treated as non-responsive and shall be summarily rejected.
- 10.0 Copies of other drawings and documents pertaining to the work will be open for inspection by the tenderers at the office of the above-mentioned officer.
- 10.1 Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general, shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials tools & plants, water, electricity, access facilities for workers and on all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the BSNL and local conditions and other factors having a bearing on the execution of the work.
- 11. The competent authority on behalf of Bharat Sanchar Nigam Limited does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without the assignment of a reason. All tenders, in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.
- 12. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
- The competent authority on behalf of the Bharat Sanchar Nigam Limited reserves with himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
- 14. The company or firm or any other person shall not be permitted to tender for works in BSNL Civil Zone in which his near relative (s) (directly recruited or on deputation in BSNL) is/are posted in any capacity either non-executive or executive employee. Near relative (s) for this purpose is/are defined as:
 - (i) Member of Hindu Undivided family (UHF).
 - (ii) They are Husband and Wife.
 - (iii) The one is related to other in the manner as father, mother, son(s) & Son's wife (daughter-in-law), Daughter(s), Daughter's husband (son-in-law), brother(s), brother's wife, sister(s), sister's husband (brother-in-law).

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The contractor shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relative to any executive employee/gazetted officer in the BSNL or Department of Telecom or in the Ministry of Communications. All the intending tenderers will have to give a certificate that none of his/her such near relative (s) as defined above is/are working in the concerned BSNL Civil Zone where he is going to apply for tender/work. The format of the certificate is as under:-

"I,______s/o Shri _______Resident of ______hereby certify that none of my relative (s) as defined above is/are employed in concerned BSNL Civil Zone. In case at any stage, it is found that the information given by me is false/incorrect, BSNL shall have the absolute right to take any action as deemed fit without any prior intimation to me".

The certificate in case of Proprietorship Firm shall be given by the proprietor; for Partnership Firm certificate shall be given by all partners and in case of Limited Company, by all Directors of the company. However, Government of India/Financial Institutions nominees and independent non-official part-time Directors appointed by Govt. of India or the Governor of the State are excluded from the purview of submission of this certificate while submitting tenders by Limited Companies. Any breach of these conditions by the Company or Firm or any other person, the tender/work will be cancelled and Earnest Money/ Security Deposit will be forfeited at any stage, whenever it is so noticed. BSNL will not pay any damages to the company or Firm or the concerned person but damages arising on account of such cancellation to be borne by the contractor. The Company or Firm or the person will also be debarred for further participation in the tender in the concerned BSNL Civil Zone. Further, any breach of this condition by the tenderer would also render him liable to be removed from the approved list of contractors or BSNL If however the contractor is registered in any other Department he shall also be debarred from tendering in BSNL for any breach of this condition.

- 15. No Engineer of Gazetted rank or other Gazetted Officer employed in engineering or administrative duties in an Engineering Department of the Government of India/State Government or PSU's is allowed to work as a contractor for a period of two years after his retirement from Govt. service, without previous permission of the Govt. of India or BSNL in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Govt. of India/State Government or PSU's as aforesaid before submission of the tender or engagement in the contractor's service.
- 16. The tender for the work shall remain open for acceptance for a period of **30 days** from the date of opening of the tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance/intent, whichever is earlier, or, makes any modifications in the terms and conditions of the tender which are not acceptable to the BSNL, then the BSNL shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid.
- 17. In case of works having estimated cost below **Rs.15,00,000**/- the successful tenderer shall be required to execute an agreement with the Engineer-in-charge in the performa annexed to the tender document, within 15 days of the issue of letter of award by the BSNL. In the event of failure on the part of the successful tenderer to sign the agreement, the earnest money will be forfeited and tender cancelled. In case of works of estimated to cost **Rs.15,00,000**/- and above, the successful tenderer shall, upon issue of letter of acceptance of Tender, shall be required to furnish Performance Guarantee @ 5% of the tendered value in the form of irrevocable Bank Guarantee of requisite amount to the Engineer-in-charge in the Performa annexed to the tender document, within 15 days of the issue of letter of acceptance of Tender by the BSNL. In the event of failure on the part of the successful tenderer to furnish the Bank Guarantee within 15 days, the earnest money will be forfeited and tender cancelled.
- 18. This Notice Inviting Tender (BSNL W-6) shall form a part of the Contract Document. In accordance with clause 1 of the contract, the letter of acceptance shall be issued first in favour of the successful Tenderer/Contractor. After submission of the performance guarantee, the letter of award shall be issued. The contract shall be deemed to have come into effect on issue of letter of acceptance of the tender. On issue of letter of award, the successful Tenderer/Contractor shall, within 30 days from such date, formally sign the agreement consisting of:
 - a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender, and, as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
 - b) Standard BSNL W-7/8 as on website www.civil.bsnl.co.in Agreement signed on non-judicial stamp paper as per Performa annexed to the tender document.
- Payment to the contractors shall be made through e-payment system like ECS & EFT as detailed below: -

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- (a) In cities/areas where ECS/EFT facility is provided by Banks, the tenderer must have Account in such ECS/EFT facility providing Banks and that Bank A/c No shall be quoted in the tender by the tenderer.
- (b) The cost of ECS/EFT will be borne by BSNL in all cases where the payment to contractor is made in a local Branch i.e. tenderer is having bank account in the same place from where the payment is made by BSNL unit.
- (c) In case payment is made to outside branch i.e. tenderer is having bank account not in the same place from where the payment is made by BSNL unit, the crediting cost will have to be borne by the tenderer only.
- (d) The payments to contractors will compulsorily be made through ECS/EFT in respect of all contracts where the value of the contract is more than Rs. 10 lakhs.
- 20. First running account bill shall be paid only after
 - (a) Signing of the Agreement/Contract by both the parties, and
 - (b) Progress chart has been prepared as required under Clause 5 and approved by the competent authority.
- 21. If a contractor after purchasing the tender does not quote consecutively on three occasions, the contractor may be debarred for further purchase of tenders for a period of six months.
- 22. General conditions of contract for works in BHARAT SANCHAR NIGAM LIMITED are available on website www.civil.bsnl.co.in as well as in the Divisional/ Sub divisional Office.
- 23. The tenderer shall furnish a declaration to this effect (In case of downloaded tender) that no addition/deletion/correction have been made in the tender document submitted and it is identical to the tender document appearing on website. Every page of down loaded tender shall be signed by the tenderer with stamp (seal) of his firm/organisation.
- 24. Regarding GST registration as per section-22 of CGST Act-2017:
 - Every supplier shall be liable to be registered under this Act in the state or Union Territory, other than special category states from where he makes a taxable supply of Goods or Services or both, if his aggregate turn over in financial year exceed 20 Lakh rupees.
 - ii. In case of special category states he shall be liable to be registered if his aggregate turnover in a financial year exceeds Ten Lakh rupees.
 - iii Further as per section-24 of CGST Act, in case a person is making interstate supply, he is compulsorily required to obtain registration.
- 25. The Contractor / supplier shall quote the rates inclusive of GST and other Taxes.

 Bidders are advised to see the website till the date of opening of Tender for any amendment/ clarification/corrigendum/addendum.

Signature and Name of Divisional Officer

(Chandra Sen Gupta)
Executive Engineer (Civil)
BSNL Civil Division
Bilaspur.
For & on behalf of Bharat Sanchar Nigam Limited.

File No. 25 (2)/2023-24/BSNL/CD/BILASPUR/264

Copy to for wide publicity:

- (i) The Jt. Chief Engineer (C), BSNL Civil CG Zone, Raipur.
- (ii) The General Manager, BSNL Bilaspur BA, CG.
- (iii) The IFA to the General Manager Bilaspur BA, CG w.r.t. depute competent account person on Tender opening date please.
- (iv) The Executive Engineer (C) BSNL Civil Division, Raipur.
- (v) The Executive Engineer, CPWD, Raipur/Bilaspur.
- (vi) The SDE(C) BSNL Civil Sub-Division Raipur/Bilaspur/Bastar.
- (vii)The A.E. Postal Civil Sub-division, Raipur/Bilaspur.
- (viii) The AO (Cash) O/o the GM, BSNL Bilaspur BA.
- (ix) The SDE (P&D) BSNL Civil Division Bilaspur.
- (x) Notice Board.
- (xi) Web Site www.chhattisgarh.bsnl.co.in.

Executive Engineer (Civil)

Date: 27.07.2024

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BHARAT SANCHAR NIGAM LIMITED

(A GOVERNMENT OF INDIA ENTERPRISE)

STATE Chhattisgarh

CIRCLE Raipur
DIVISION Bilaspur

ZONE Chhattisgarh

No. _

SUB-DIVISION Bilaspur

Item Rate Tender / Percentage Rate Tender & Contract for Works

Tender for the work of: Maintenance of 40 Metre Light Weight Narrow Base Tower by providing missing Members, Nut Bolt Tightening, painting etc. at "BIRRA", District:- Janjgir-Champa Under Bilaspur BA.

- (I) To be submitted by 15:00 hours on (date) to 08.08.2024.
- (II) To be opened in presence of tenderer who may be present at 15:30 hours on 08.08.2024 in the Office of the Executive Engineer (Civil), BSNL Civil Division, Raj Kishore Nagar Telephone Exchange, IInd Floor, Bilaspur, Pin 495006.

Issued to:	(Contractor).
Signature of officer issuing the documents_	
Designation	
Date of Issue	
	TENDER

I/ We have read and examined notice inviting tender, schedule, A, B, C, D, E & F. specifications applicable, Drawings & Design, General Rules and Directions, Conditions of Contract, Clauses of Contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the Conditions of Contract and all other contents in the tender document for the work.

I/ We hereby tender for the execution of the work specified for the Bharat Sanchar Nigam Limited within the time specified in schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of the contract and with such materials as are provided for, by and in respect in accordance with, such conditions so far as applicable.

I/ We agree to keep the tender open for **30** (**Thirty**) **Days** from the due date of submission thereof and not to make any modifications in its terms and conditions. If I/we withdraw my/our tender before the said period or issue of letter of acceptance/intent, whichever is earlier, or, makes any modifications in the terms and conditions of the tender which are not acceptable to the BSNL, then the BSNL shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid.

A sum of Rs. 2530/- (Rupees Two Thousand Five Hundred Thirty) only has been deposited in prescribed manner as Earnest Money. If I/We fail to commence the work specified I/We agree that the said Bharat Sanchar Nigam Limited shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money shall be retained by competent authority on behalf of the Bharat Sanchar Nigam Limited towards Security Deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and carry out such deviations as may be ordered, up to maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

I/We agree that, in case of works of estimated cost exceeding Rs.15,00,000/-, to deposit an amount equal to 5% of Tendered value of the work as performance guarantee in the form of bond of any Scheduled Bank of India in accordance with the Proforma prescribed or in the form of Fixed Deposit Receipt etc., within 15 days of the issue of letter of acceptance of Tender by the BSNL. I/We am/are aware that in the event of failure on my/our part to furnish the Bank Guarantee within 15 days, the earnest money will be forfeited and tender cancelled.

I/We hereby intimate that for receiving payments I/we have an account in

Bank with account

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with	the work
as secret/confidential documents and shall not communicate information derived there-from to any person other	er than a

where the ECS/EFT facility of e-payment is available.

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person to whom I/We am/are authorised to communicate the same or use the information in any manner prejudicial to the safety of the State.

I/We agree that should I/We fail to commence the work specified in the above memorandum, an amount equal to the amount of the earnest money mentioned in the form of invitation of tender shall be absolutely forfeited to the Bharat Sanchar Nigam Limited and the same may at the option of the competent authority on behalf of the Bharat Sanchar Nigam Limited be recovered without prejudice to any right or remedy available in law out of the deposit in so far as the same may extend in terms of the said bond and in the event of deficiency out of any other money due to me/us under this contract or otherwise.

The information in respect of works in hand is as per Proforma enclosed.

"I/we agree that this contract issued)	is subject to jurisdiction	on of Court at Bilaspur only." (W	/here the NIT/Tender has been
Dated			
Witness: Address: Occupation:		Signa Postal Address: -	ature of Contractor
	******	******	
The above tender (as modifie me for and on behalf of the Bl	d by you (Contractor) ar	C C E P T A N C E nd as provided in the letters menti mited for a sum of	ioned hereunder) is accepted by
Rs	(Rupees		
).	
The letters referred to below s	shall form part of this Co	ntract Agreement:-	
(b)			
		For & on behalf of the B	sharat Sanchar Nigam Limited.
		Signature	
Dated		Name and Designation_	
		_	
Addition	Deletion	Correction	Overwriting
Contractor	Engineer-in-Charg	e	Page 11 of 31

		PROF	ORI	MA OF SCI	HEDULES				
	(operative Schedules	to be s	uppl	ied separately	to each of the	intending	tenderer)		
SCHEDULE	"Λ"								
	Quantities (enclosed)								
SCHEDULE									
	Materials to be issued to the control	1	-				Di		
S. No.	Description of Item	Quan tity	ma	ates in figures & aterials will be ntractor			Pla	ice of issi	ie
1	2	3			4			5	
		1		NIL		'			
SCHEDULE									
Tools and Pla	nts to be hired to the contractor								
S. No.	Description of Item			Hire charges	per day		Place	of issue)
1	2			3				4	
				DELETED					
SCHEDULE	"D"								
	e for specific requirements/ docu	ments fo	r the	work, if anv.					
	· · · · · · · · · · · · · · · · · · ·								
SCHEDULE	"E"								
Schedule of co	omponent of Materials, Labour e	tc. for es	calat	tion.					
CL AUGE 40									
CLAUSE 10	of Materials expressed as	1							
	al Value of Work		X"			7!	5 %		
•	of Labour expressed as		^				70		
percent of Tot	al Value of Work		Y "		DELETE) 25	5 %		
Component o of Total Value	f POL expressed as percent of Work	"	Z"			0 %			
SCHEDULE	"F"			l			70		
Name of Work	General Conditions of Contract			Maintenand	o of 40 B	Motro Lie	wht Mais	ht Nor	WOW BOOK
Name of Work	`			Tower by					
				Tightening					
				Champa Ur			JIKKA ,	District	Jangii-
Estimated Cos	st of Work			Rs. 1,26,28			kh Twer	nty Six	Thousand
				Two Hundr				ity Oix	mousuna
Earnest Mone	¥V			Rs. 2530/- (Rupees Two Thousand Five Hundred Thirty)					
	•			only.	, tapooo				ou imity,
Performance	Guarantee					NA			
	tendered value in the form								
	m Scheduled Bank in respect of t put to tender exceeding Rs.15		ith						
Security Dep		Lakiis).							
(10 % of the	tendered value for works with	estimat	ed			10%			
	ender up to Rs. 15 Lakhs) (5 ue in the form of Bank Guara								
	ank in respect of works with esti								
	exceeding Rs.15 Lakhs).								
	RULES AND DIRECTIONS								
Officers Invitin	ng Tender			Executive	Engineer	(Civil),	BSNL	Civil	Division,
				Bilaspur.					
	centage for quantity of items of ond which rates are to be det					50%			
,	ith Clause 12.2 & 12.3.					30 /6			
Dofinitions						Coo le el			
Definitions	Engineer in Chargo			Franciski sa	Fauluses	See belo		Cleati	Distalan
2(v)	Engineer-in-Charge			Executive	Engineer	(Civil),	BSNL	Civil	Division,
2(viii)	Accepting Authority			Bilaspur.	Facinos	(Civil)	DOM	Civil	Division
-(*''' <i>)</i>	Accopancy Additionally			Executive Bilaspur.	Engineer	(Civil),	BSNL	Civil	Division,
2(x)	Percentage on cost of mat	erials a	nd	Diiaspui.					
-(~)	labour to cover all overheads a					10 %			
		-							
مر الطائدة الم	Dalatian		- 1	Ca	etion). (O. 17. 17. 17. 17. 17. 17. 17. 17. 17. 17	ina
Addition	Deletion			corre	ction		C)verwriti	ıııg

Contractor Engineer-in-Charge Page 12 of 31

2(xi) 9(ii)	Standard Schedule Standard BSNL Co		1	BSNL W tender.	8 for		CPWD D			ate as o	n opening of
Clause 2	Authority for fixing Clause 2	g compensa	ation under	Execut Bilaspu		Engineer	(Civ	il), E	SNL	Civil	Division,
Clause 2 A											
	Whether Clause applicable.	e 2 A	shall be				N	lo			
Clause 3 A											
	Whether Clause applicable.	e 3 A	shall be				N	lo			
Clause 5											
i)	Time allowed for ex						1 (One				
ii)	Authority to give extension of time for			Execut Bilaspu		Engineer	(Civ	il), E	SNL	Civil	Division,
Clause 6 A											
	Whether Clause 6	A shall be a	applicable.				Y	es			
Clause 7	_										
	Gross value of work to be done together with net payment /adjustment of advances for materials collected, if any, since the last such payment for being eligible to interim payment.					Fi	st and	Final	Bill		
Clause 10											
	Reinforcement steel to be used in the work shall have to be procured as below:			from : The Jindal St	e Ste teel & havi	eel Manufact & Power Ltd ing BIS lic	urers su l. and J	ch as \$	SAIL, T. el Ltd.	ATA stee Or thei	rious grades el Ltd., RINL, ir authorised Amendment-l
Clause 10A											
Clause 11	Testing of material			provide a and Repa of variou charge b by the co	II faci airing Is ma y the ontrac are s	ilities as the E the required aterials reque contractor. ctor which sh	ngineer- number ired for However nall be re The test	in-Char of sam testing the co imburs shall	ge may ples for g shall est of the	require such teste province tests says.	ents and shall for collecting, sts. Samples rided free of shall be paid nly if the test nly from lab
Clause 11	Specification to be of work.	followed fo	or execution	C.P.W.D. Specifications 2019 (Volume I to II) with up to date correction slips.							
Clause 12				·							
12.2 & 12.3	Deviation limit for vindividual trade clauses 12.1.2 (i) and clauses 12.2.8	beyond to (v) sha	which sub Il not apply	ub							
Clause 16	0 1 1 11 11		. , .	0		o Foot	Oban C	1-41 -	N-:- C =		Ober Donn
	Competent authori rates.	ty for decid	ing reduced			ng Engineer (aipur, Chhat		o tne C	miet Er	igineer (CIVII) BSNL
Clause 36(i)					,	, o ut					
	lines for fixing requir	rement of te	echnical staff	and rate of	recov	ery in case o	f non-cor	npliance	e, for a v	work, sha	all be as per
and removing t										> o =	D 0
SI. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal/Technical	Representative)		Minimum Experience		Number		Rate at which rec shall be made fro contractor at the	of not fu filling provision of Clause 36(i)
	Te ⊠					_			Figur	N N	Wor

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	1		I					
÷	Graduate/ Diploma	Civil	Principal Technical Representative		Nii for Graduate Engineer/ 5 Years for Diploma	-	Rs.15,000/-	Ten Thousand Only per month
Clause 37								
GST				made BSI respectively control this Gorwan bid BSI by	e tenderer may note that de as per Govt. of Indi NL shall not entertain pect. They have to submitractor must note that wernment of India has f. 01.10.2018. The nilliarise themselves the ding. The Quoted rate NL has the right to recoit due to any mis-declarator / Agency.	a Rules a any o mit their at at pre ractor s notific bidder norough es shou ver Inpu	with lates claim what GST registers the seart the seart also ed the pross are actified by in this uld be incut Tax Cre	st amendments. tsoever in this stration number. rate of GST for note that the ovision of TDS dvised to get regard before clusive of GST. dit loss suffered
EPF/ESI				exc ES	e bidders must note the clusive of contribution I shall be reimbursed posit in this regard a rk.	n towa d on p	rds EPF/	ESI. The EPF/ of receipt of
Clause 42								
i) (a)					Delhi Schedule of Rates 2023 printed by CPWD.			
ii)	Variation perr quantities	nissible	on theoretical					
a)	Cement for works tender i) Not more than		nated costs put to	3 % minus				
	i) Not more than	rs. o iakns			3	7₀ minus	5	
	ii) More than 5 lak	ths			2	% minus	3	
b)	Steel reinforcen	nent and	structural steel er, section and		2	% minus	3	
	Sta	r prices	to be consider	ed f	or escalation & reco	veries		
SI. No.		Material			S (Rate Per MT i	tar Pric		rds)
1	For Cement							
2(a)	For Mild steel							
2(b)	For Reinforceme 1786 (Fe 415 Gra	ade)						
2(c)	For Reinforcen conforming to		el TMT bars				•	
2(d)	For Galvanized S	teel						

The rate for recovery under clause 42 shall be same as the star price.

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GENERAL CONDITIONS OF CONTRACT

- 1.0 The "Contract" shall, in general, be governed by the BSNL General Conditions of Contract for Civil Works, to be read along with up to date corrections slips (A BSNL publication, available in downloadable manner from website www.civil.bsnl.co.in) consisting of:
 - a) General Rules and Directions,
 - b) Conditions of Contract,
 - various standard clauses with correction(s) up to the date stipulated in Schedule 'F' of Tender Document,
 - d) Safety Code,
 - e) Modal Rules for the protection of Health and Sanitary arrangements for Workers employed by BSNL or its contractors,
 - f) Contractor's Labour Regulations,
 - g) Proforma of Registers, and
 - h) List of Acts and omissions for which fines can be imposed.
- **2.0** However, all additions and modifications to the conditions as available in this tender document consisting of:
 - a) Notice Inviting Tender (i.e., BSNL W-6),
 - b) BSNL W-8 (i.e., Item Rate Tender & Contract for Works),
 - c) Schedules "A" to "F",
 - d) Additional Conditions
 - e) Additional Specifications, and
 - f) Drawings and designs, if any,
 - g) Including agreement/ guarantee bonds on non-judicial stamp paper and acceptance thereof together with any correspondence leading thereto shall also form part of the contract.
- 3.0 The quoted rates for various items in the tender shall be inclusive of all the additional conditions/ specifications and particular specifications and for adherence to all these conditions and specifications, no extra payment shall be made to the contractor. Any infringement and/or breach of these specification and condition(s) etc. shall render the contractor liable to action(s) under various clauses of the contract and such action stipulated in conditions therein.
- **4.0** Wherever any reference to any Indian Standard (BIS) Specifications occurs in the documents relating to this contract, the same shall be inclusive of all up to date amendments or revisions.
- 5.0 Wherever "DSR" is referred to in the tender documents, it shall mean "CPWD Delhi Schedule of Rates 2023" with all up to date correction slips as on the date of opening of tenders.

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ADDITIONAL CONDITIONS

1.0 GENERAL

- 1.1 The contractor shall take sufficient safety measures to safeguard life and property of BSNL (structures, offices, roads, trees and plants including electrical, water supply, sanitary and BSNL communication installations etc) inside the compound during execution of the work and shall be fully responsible for the damages on this account, if any.
- 1.2 No payment shall be made to the contractor for any damage caused during the execution of work because of cause(s) not covered under Clause 43 of the Contract (Like damage caused by rain, lightning, wind, storm, snow fall, floods, earth quake or any other natural cause/calamity etc). The damage to work will be made good by the contractor at his own cost, and no claim on this account shall be entertained.
- 1.3 The contractor shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charges which he may be liable and nothing extra shall be payable on this account. The work shall be carried out without infringing on any of the local Municipal Bye-Laws.
- 1.4 The contractors shall give a performance test of the entire installations as per standard specifications before the work is finally accepted and nothing extra what so ever shall be payable to the contractor for the tests.
- 1.5 The contractor shall take all precautions to avoid all accidents by exhibiting necessary caution boards such as day and night boards, speed limit boards and flags, red lights and providing barriers etc. He shall be responsible for all damages and accidents caused due to negligence on his part. No hindrance shall be caused to traffic during the execution of work. Nothing extra shall be paid on this account.
- 1.6 The contractor will work in close liaison, during the works, with other contractors of tower excretion, electrical installation and any other works and adjust his work plan accordingly.
- 1.7 The contractor will have to extend full cooperation for contingent measures, which might be required to be taken due to eventuality.
- 1.8 The contractor will maintain discipline while working in the Compound. He or his employees will not indulge in any dispute with any Govt. employee/public inside the compound and any default in this regard will be brought to the notice of the Engineer-in-Charge immediately.
- 1.9 Cleanliness of the compound will be maintained and any debris/ material falling in the compound in area in use of the staff/ public will be got cleared by the Agency regularly during the progress of work.
- 1.10 All works executed shall be maintained in perfect condition by the contractor till the completion of entire work allotted to him. Where phased handing over of completed portion of the work is required by the Engineer-in-Charge, the provisions mentioned in the above paras will apply to each phase.

2.0 STORAGE AND SAFETY OF MATERIALS

- 2.1 The Contractor shall maintain safe custody of materials brought to the site. The Contractor shall also employ necessary watch and ward establishment for the work and other purposes as required at his own cost.
- 2.2 Before commencement of the work, the contractor shall obtain written approval of the Engineer-in-Charge regarding the location of cement go-down, steel stacking and fabrication yard, site office etc and shall from time to time take instructions of the Engineer-in-Charge regarding collection and stacking of materials at the site. He shall have to make his own arrangement of space for storage of materials, if necessary.

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3.0 OTHER TAXES AND ROYALTIES

- 3.1 The rates offered should be inclusive of all taxes such as GST, Construction Workers Welfare Cess and any other taxes or cess as applicable on the date of opening of financial bid. Insurance, loading, unloading, transportation etc should be included on the quoted rates but excluding contribution towards EPF/ESIC. The rate shall be firm & final. BSNL shall not entertain any claim whatsoever in this respect.
- 3.2 GST-The tenderer may note that payment/ TDS of GST shall be made as per Govt. of India Rules with latest amendments. BSNL shall not entertain any claim whatsoever in this respect. They have to submit their GST registration number. Contractor must note that at present the rate of GST for this work is 18%. Contractor may also note that the Government of India has notified the provision of TDS w.e.f. 01.10.2018. The bidders are advised to get familiarise themselves thoroughly in this regard before bidding. The Quoted rates should be inclusive of GST.
- 3.3 The bidders must note that Rates to be quoted must be exclusive of contribution towards EPF and ESIC. The EPF and ESIC shall be reimbursed on production of receipt of deposit in this regard along with the invoice for the work.
- 3.4 Income Tax and surcharges over Income Tax etc. at the rates fixed by the Ministry of finance. Government of India, shall be deducted from all the running and final bills of the contractor. Should there be any increase in rate of Income Tax and surcharge during execution of the contract, the same shall be payable by the contractor.
- 3.5 LABOUR CESS –Labour Cess on prescribed rate of the value of Work done will be deducted from the bills of the contractor.
- 3.6 Royalty at the prevalent rates, wherever payable, shall have to be paid by the contractor direct to the Revenue authority of the State Government concerned for the materials like boulders, metal, shingle, sand, bajri or any other items collected by him for the execution of the work. "No Demand" certificate from the State Authority concerned shall be obtained before the final bill is paid for such royalty being paid directly, failing which recovery will be affected from him at the prevalent market rates.
- 3.7 The contractor shall pay **Octroi** wherever applicable. The Form 'C'/ 'D', Octroi exemption certificates etc will not be issued by BSNL for any materials required in the work. The contractor shall quote all-inclusive rates only. Nothing extra shall be paid on this account.
- 3.8 However, if any further tax or levy or cess is imposed by statute, after the last stipulated date for the receipt of tender including extensions, if any, and the contractor thereupon necessarily and properly pays such taxes/levies the contractor shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of the Superintending Engineer (whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor.

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ADDITIONAL SPECIFICATIONS

1.0 GENERAL

- 1.1.1 The Work shall, in general, conform to the CPWD Specifications 2019 Vol. 1 & 2 with up to date correction slips.
- 1.1.2 Should there be any difference between the specifications mentioned above and the specifications given in the schedule of quantities, the later shall prevail.
- 1.1.3 If the specifications for any item are not available in the CPWD Specifications cited above, relevant BIS Specifications should be followed.
- 1.1.4 In case BIS Specifications are also not available, the decision of Engineer-in-Charge given in writing based on acceptable sound engineering practice and local usage shall be final and binding on the contractor.
- 1.1.5 The work will be carried out in accordance with the architectural drawings and structural drawings to be issued by the Engineer-in-Charge. The structural and architectural drawings shall have to be properly correlated before executing the work.
- 1.1.6 In case of any difference noticed between Architectural and Structural drawings, the contractor shall obtain final decision in writing from the Engineer-in-Charge.
- 1.1.7 In case of any discrepancy in the item given in the schedule of quantities appended with the tender and architectural drawings relating to the relevant item, former shall prevail unless otherwise given in writing by the Engineer-in-Charge
- 1.2 **WORK SAMPLES:** For items where so desired, samples shall be prepared before starting the particular items of work for prior approval of the Engineer-in-Charge and nothing extra shall be payable on this account.
- 1.3 DEWATERING CLAUSE: The contractor shall, at his own expense and without any extra charge, make provision for all shoring, pumping, dredging or bailing out water, if necessary. The foundation trenches shall be kept free from water, while all the works below ground level are in progress, without any extra payment. The water may be coming from any source such as rains, floods, subsoil water or due to any other cause whatsoever etc.

2.0 PROCUREMEN OF RAW MATERIALS

- 2.1 Stone Aggregate: Stone aggregate used in the work shall be crushed or broken hard stone to be obtained from approved source/ quarry (Akaltara) and shall conform to the relevant provisions in the CPWD specifications.
- 2.2 Coarse Sand: Coarse sand used in the work shall be obtained from approved source (Mahanadi) and shall conform to the relevant provision in the CPWD specifications.
- 2.3 Fine Sand: Fine sand used in the work shall be obtained from approved source (Mahanadi) and shall conform to the relevant provision in the CPWD specifications. In case, sand available at above source does not conform to the required specifications, coarse sand shall be mixed in it to bring it to the required specifications. Nothing extra shall, however be paid for it.
 - **NOTE:** Where only one variety of sand is available, the sand will be sieved for use in finishing work, as directed by the Engineer-in-charge, in order to obtain smooth surface and nothing extra will be paid on this account.
- 2.4 Sand for filling in Plinth: The sand for filling in plinth under floor shall be obtained from approved source and shall conform to Clause-2.22.1 of CPWD specifications.
- 2.5 The fineness modulus of sand to be used in different works shall be as follows:

Coarse Sand		As specified in the item like plain concrete, RCC
	to 3.5	work, flooring work etc.
Fine Sand	Fineness modulus between 1.2 to 1.6	As specified in the items like finishing coat of cement plaster, skirting, dado etc.
	10 1.0	comon plactor, our ung, dado etc.

- 2.6 Water: It shall conform to requirements laid down in IS: 456-2000 and CPWD Specifications.
- 2.7 Bricks for Brick Work: Bricks used in the work shall be well burnt FPS bricks of uniform colour throughout the cross section to be obtained from approved kilns. In all other respect they shall confirm to the bricks local class designation-35 given in CPWD specifications.
- 2.8 All above materials like stone aggregates, coarse sand, fine sand, Bricks, Stone etc. confirming to the CPWD specifications to be brought from the sources approved by Engineer-in-Charge. In case, at any stage during execution of work, the material from the approved source being not available or otherwise, and, is required to be arranged from other sources conforming to relevant CPWD specifications and duly approved of Engineer-in-Charge, involving extra lead etc, nothing extra shall be paid on this account.

3.0 PROCUREMENT OF READYMADE MATERIALS

3.1	The manufactured materials brought at site of work shall, in general, conform to the relevant specifications	S.
	The source for supply of the manufactured materials shall be approved by the Engineer-in-Charge. The	ne

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contractor shall have no claim if the manufactured materials brought to the site are rejected by the Engineer-in-Charge in part or in full due to bad workmanship/ quality etc.

- 3.2 The preference amongst the various alternative materials available shall be as follows:
 - (a) The materials shall be as per the Brand specified to be used in the work.
 - (b) If the Brand specified material is not available then the material shall be ISI marked.
 - (c) If ISI marked item is not available then it should be from ISO certified Company.
 - (d) If the ISI marked or ISO certified items are not available then the best available items in the market to be procured.
- **3.3 Equivalents for the various materials** and the materials of approved make shall be got approved from the Engineer-in-Charge of work in writing before using them on the work.

4.0 CEMENT AND STEEL (GENERAL)

- 4.1 **The contractor shall procure cement & steel as required in the work.** The quantities brought at site shall be entered in the respective material at site accounts and shall be treated as issued for maintenance of daily consumption.
- 4.2 The actual issue and consumption of steel and cement on the work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein.
- 4.3 The daily account of the receipt/ issue of cement shall be maintained in a register in the prescribed proforma as given below & signed daily by the contractor or his authorised representative in token of its correctness:

pt	Particul Rece			Particular of issue			Remarks				
Date Of Recei	Quantity received invoice no & date	Progressive total	Date of issue	Quantity issued	Item of work for which issued	Quantity returned at the end of the day	Total issued	Daily Balance in hand.	Contractor's initials	JE's initials	AE/EE's periodical check
1	2	3	4	5	6	7	8	9	10	11	12

4.4 Steel and Cement brought to site and cement remaining unused after completion of work shall not be removed from site without the written permission of the Engineer-in-charge.

5.0 PROCUREMENT OF CEMENT

- 5.1 The contractor shall procure 43 grade (conforming to IS: 8112) Ordinary Portland Cement, as required in the work, from the reputed manufacturers of cement, having a production capacity of one million tonnes per annum or more, as approved by the Ministry of Industry, Government of India, and holding license to use ISI certification mark for their product, whose name shall be got approved from Engineer-in-charge. Cement 53 grade shall not be used in the work.
- 5.2 Supply of cement shall be taken in 50 kg bags, bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got tested in accordance with provisions of the relevant BIS codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so.
- 5.3 The total quantity of cement required shall be brought at site in one lot or as decided by the Engineer-incharge.
- 5.4 **The CEMENT GO-DOWN** of the capacity to store about 300 bags of cement or as decided by the Engineer-in-charge, shall be constructed by the contractor at site of work.
- 5.4.1 Cement go-down shall be in general as per the sketch shown in contract documents, having weather proof roof & walls and with a proper floor consisting of 2 layers of dry bricks laid on the well consolidated earth at a level at least one foot above the ground level. The cement bags shall be stacked about 200mm (clear) above the dry brick flooring using suitable wooden planks / battens. The stacks shall be in rows of two bags deep and 10 bags high with a minimum of 2 feet clear space all around. The bags should be placed horizontally continuous in each line. Nothing extra shall be paid to the contractor on this ground.
- 5.4.2 The size of cement go-down indicated in the contract form is only for guidance. The actual size of the godown shall be constructed by the contractor at his own cost, as per the requirement of work.
- 5.4.3 Double lock provision shall be made to the door of cement go-down. The keys of one lock shall remain with the Engineer-in-charge or his authorised representative and the keys of other lock shall remain with the contractor. The contractor shall facilitate the inspection of the cement go-down by the Engineer-in-charge at any time.

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5.4.4 The contractor shall be fully responsible for the safe custody of the material even if the material is under double lock system.

6.0 PROCUREMENT OF STEEL

- 6.1 The contractor shall procure IS marked TMT bars of various grades from : The Steel Manufacturers such as SAIL, TATA steel Ltd., RINL, Jindal Steel & Power Ltd. and JSW steel Ltd. Or their authorised dealers having BIS license for IS: 1786-2008 (Amendment-I November 2012) as specified in schedule F
- 6.2 The contractor shall have to obtain and furnish test certificates to the Engineer-in-charge in respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer-in-charge as per the provisions in this regard in the relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to BIS codes, the same shall stand rejected and shall be removed from the site of work within a week's time of written order from the Engineer-in-charge to do so.
- 6.3 The steel reinforcement shall be brought to the site in quantity of lots as approved by the Engineer-in-charge.
- 6.4 Coefficient of weight i.e. the weight per unit length of the Steel procured by the contractor shall be ascertained at site before using it and certified by the Engineer-in-charge. In case weight per unit length is beyond the rolling margin as laid down in the BIS: 1786, the steel will be rejected and shall be removed as per para 1 above. In case weight per unit length is more than the standard coefficient of weight for the diameter, but is within the rolling margin, then the payment shall be made as per the standard weight per unit length, and, where the weight per unit length is lesser than the standard coefficient of weight for the diameter, but is within the rolling margin, the payment shall be restricted with respect to the actual weight per unit length of the diameter.
- 6.5 The standard sectional weights referred to in standard table under para 5.3.3., page 75 of the revised CPWD Specifications 2009 for Cement Mortar, Cement Concrete and RCC works, are to be considered for conversion of length of various sizes of Steel Reinforcement bars into weight and are reproduced below for ready reference.

Size (Diameter in mm)	Weight (Kg./M.)	Size (Diameter in mm)	Weight (Kg./M.)
6	0.222	20	2.470
8	0.395	25	3.850
10	0.617	28	4.830
12	0.888	32	6.310
16	1.580	36	7.990

- 6.6 The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
- 6.7 For steel procured from main producers, for checking nominal mass, tensile strength, bend test, etc. specimen of sufficient length shall be cut from each diameter of the bar at random at frequency not less than that specified below. In case of works costing more that 2 Crores and when the steel is procured from other than main producers, additional tests such as, retest, re-bend test, elongation test, proof stress may also be conducted

Size of bar	For consignment below 100 tonnes	For consignment over 100 tonnes
Under 10 mm dia	One sample for each 25 tonnes or	One sample for each 40 tonnes or part
	part thereof	thereof
10 mm to 16 mm dia	One sample for each 35 tonnes or	One sample for each 45 tonnes or part
	part thereof	thereof
Over 16 mm dia	One sample for each 45 tonnes or	One sample for each 50 tonnes or part
	part thereof	thereof

7.0 TESTING OF MATERIALS & RELATED ASPECTS

- 7.1 Materials brought at site of work shall not be used in the work before getting satisfactory Mandatory test results. For details, relevant provisions in the CPWD specification shall be referred to.
- 7.2 If the testing specifications for any material are not available in the CPWD Specifications cited above, relevant BIS Specifications should be followed.
- 7.3 The contractor shall procure all the materials/ samples in advance, so that there is sufficient time for testing of the same before use in work.
- 7.4 Samples of various materials required for testing shall be provided free of charge by the contractor. However the cost of the tests shall be paid by the contractor which shall be reimbursed by BSNL, only if the test reports are satisfactory. The test shall be got done only from lab approved by the Engineer-In-Charge.
- 7.5 All other expenditures incurred for testing such as packing, sealing, transportation, loading, unloading etc shall be borne by the contractor himself.
- 7.6 Part rate payment shall be allowed in the running account bills only if the materials conforming to the CPWD specifications for works as mentioned in the work are tested and test results are found to be satisfactory by the Engineer-in-Charge.

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- 7.7 The Engineer-in-Charge of work shall check the test results and satisfy himself before allowing any payment in the running/final bill.
- 7.8 No claims of any kind whatsoever including the claim of extension of time shall be entertained due to incorporation of above requirements for testing of materials.
- 7.9 **CC Cube Test:** With a view to avoid controversy about quality of cement concrete as revealed in the test result of 7 days cubes falling short of the prescribed standard by over 10% to 20% and pending testing of balance 3 cubes for 28 days as final confirmatory acceptance test, crushed samples of cement concrete from the failed 7 days cubes should be preserved in a sealed bag.

8.0 GENERAL MEASUREMENT OF WORK

8.1 **The work shall be executed and measured as per Metric Dimensions** given in the schedule of quantities, drawings etc. (FPS units wherever indicated are for guidance only).

9.0 EARTH WORK

- 9.1 During excavation and trenching work etc. the contractors shall ensure compliance to the guidelines in such matters laid down by the local body/bodies to ensure that there is minimum hazard to the operating personnel's and users, minimum inconvenience to the users, minimized damage to the underground plant/services of other utilities in a coordinated way, in the interest of public convenience and overall safety.
- 9.2 Any trenching and digging for laying sewer lines/water lines/cables etc. shall be commenced by the contractor only when all men, machinery and materials have been arranged and closing of the trench (s) thereafter shall be ensured within the least possible time.
- 9.3 Surplus excavated earth which is beyond the requirement shall have to be disposed off by the contractor at his own cost after obtaining written permission of the Engineer-in-charge and no payment will be made by the BSNL for disposal of this surplus excavated earth.
- 9.4 The excavated earth (or building materials) shall not be stacked on areas where other buildings, road, services or compound wall or any other structure are to be constructed.

10.0 PLAIN AND REINFORCED CEMENT CONCRETE WORK

- 10.1 Non-destructive Testing for Concrete/R.C.C Work: The Engineer-in-Charge shall, at his discretion, get the non-destructive testing (Such as Ultrasonic Pulse Velocity Test etc.) done and the Contractor shall make all necessary arrangements for getting such tests done and make good the same after the test, for which nothing extra shall be paid. The results of such tests shall be binding on the Contractor. In case of nonconformity of the test to the standards, the contractor shall be liable to redo the concrete work at his cost including the cost of test, subject however, to the acceptability of the work as laid down in the mandatory test defined in the relevant CPWD specifications.
- 10.2 Cement slurry, if any, added over base surface (or) for continuation of concreting for better bond is deemed to have been in built in the items (Unless otherwise explicitly stated) and nothing extra shall be payable (or) extra cement considered in consumption on this account.
- 10.3 Proper Grooves shall be provided in plaster along junctions of RCC Work and Brick/Stone work as per directions of the Engineer-in-charge and nothing extra will be paid on this account.
- 10.4 In the item of RCC walls, railings and roofs etc. nothing extra shall be paid for making designs as per pattern given by Architects or for thickness of sections.
- 10.5 The rate of item for reinforcement in R.C.C. work includes all operations including straightening, cutting, bending, binding with annealed steel wire and placing in position at all the floors with all leads and lifts complete.

11.0 CENTRING AND SHUTTERING FOR R.C.C. WORK

- 11.1 The concrete surface shall be free from honeycombing, offsets, superfluous mortar, cement slurry and foreign matter. The formwork shall be assembled in such a way as to facilitate removal of their parts in proper sequence without any damage to the exposed cement concrete surfaces and corners etc.
- 11.2 The contractor shall keep skilled staff for special care and supervision to check the formwork and concreting so that every member is made true to its size, shape, level and alignment so that it does not result in any deformation, snug, bulges etc. The contractor shall also take suitable precautionary measure to prevent breaking and chipping of corners and edges of completed work until the building is handed over.
- 11.3 The size of shuttering plates for slabs shall not be less than 0.6mx0.9m in general. However, contractor has to provide tape or wooden fillets or rubber gaskets to seal the joint properly to get smooth surface.
- 11.4 Further, shuttering shall be of such quality that there are no undulations and surfaces will be fairly even and no extra thick ceiling plaster shall be permitted to make the surface even. Any honeycombed or poorly formed concrete shall be repaired with polymer concrete of any suitable design by the Contractor at his own cost, in accordance with the specifications laid down in hand book of Repairs and Rehabilitation of RCC Buildings by CPWD.
- 11.5 Steel centring & shuttering, scaffolding and props shall be used for all the items of RCC. All propping and centring shall be either of steel tubes with extension pieces or built up sections of rolled steel. Shuttering

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- used for concreting shall be sufficiently stiffened and of good quality mild steel plates free from dents, bends or warping and rusting. For shuttering of beam bottom, staircase and fins and for other places where use of steel shuttering is not found to be feasible, waterproof shuttering ply shall be used with prior approval of the engineer-in-charge.
- 11.6 All scaffolding, centring and shuttering shall be with properly designed system which shall be got approved from Engineer-in-Charge and centring and shuttering required for RCC work will be brought to site by the contractor well in advance so that the progress of the upper floors is not hampered due to non-availability of the same. Nothing extra shall be paid for this.
- 11.7 In respect of **projected balconies**, **projected slabs at roof level and projected verandah**, payment for the RCC work shall be made under the item of RCC slabs. The payment for centring and shuttering of such item shall similarly be paid under the item of centring and shuttering of RCC slab., all the exposed edge shall however, be finished as per specification and nothing extra shall be paid for this.

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PREFERRED LIST OF VARIOUS ITEMS/ PRODUCTS TO BE USED FOR THE FOLLOWING WORK

Cement	S. No.	Material / article	Conforming IS code	Manufacturers / Agencies / brand / make
Grade from approved brands like SAIL, TISCO, RINL etc.			IS 1489 (Part-I)	(Conforming to IS: 8112)/ Fly ash Blended Cements conforming to IS 1489 (Part-I) from reputed manufactures of cement such as A.C.C., Jay Pee Cement, Reliance, Ultra-tech, Shri Cement, Gujrat Ambuja Cement and Cement Corporation of India etc. as approved by Ministry of Industry, Government of India, and holding license to use ISI certification mark for their product whose name shall be got approved from Engineer-in-Charge.
Sand (Coarse / Fine) River sand (Source to be approved by Engineer-in-Charge.)			IS 1786:2008	Grade from approved brands like SAIL,
Engineer-in-Charge.) Strick	3	Structural Steel		
approved by Engineer-in-Charge.) Stone Aggregate Stone Aggregate Charge.) Float Glass(transparent) Aluminium extruded sections Aluminium sliding door bolt Aluminium Tower bolt Source False flooring Fire Rated Glass Fire Rated Glass Agland Steel Fire Rated Glass PVC pipe Source False Door with frame PVC pitings Fire Rated Door with frame Source False Supreme Jindal PVC pitings Source Fire Rated Supreme, Jindal B PVC fittings Fire Rated Fire Rated Fire Rated Supreme Jindal Source Fire Rated Supreme, Jindal Fire Causility of Asian, Louis Berger, ICI Dulux, Nerolac First Quality of Asian, Louis Berger, ICI Dulux, Nerolac First Quality of Asian, Louis Berger, ICI Dulux, Nerolac First Quality of Asian, Louis Berger, ICI Dulux, Nerolac First Quality of Asian, I		,		Engineer-in-Charge.)
Charge. Charge.				approved by Engineer-in-Charge.)
8 Aluminium extruded sections 1285:2002 S 2681:1993 Argent, Jyoti, Everest 10 Aluminium Tower bolt IS 204(Part-I): 1991 Argent, Jyoti, Everest 11 Aluminium Handles IS 208: 1996 Argent, Jyoti, Everest 12 False flooring Unitile, Unifloor 13 False ceiling Armstrong, Sipla 14 Fire Rated Glass Saint Gobain or equivalent [To Be Approved by Engineer in charge] 15 Galvanized Steel Fire Rated Door with frame IS 4985:2000 Finolex, Supreme, Jindal 18 PVC pipe IS 4985:2000 Finolex, Supreme, Jindal 19 Vitrified tiles IS 15622:2006 First class Suprem quality of Johnson, Kajaria, Somany, Bell 20 Synthetic Enamel paint IS 2933:1975 First Quality of Asian, Louis Berger, ICl Dulux, Nerolac 21 Oil bound distemper IS 428:2000 First Quality of Asian, Louis Berger, ICl Dulux, Nerolac 22 Acrylic smooth exterior paint S 2645:2003 Piddelitte, FosrocSiko 23 White cement based wall putty S 2202(Part-I):1999 Century, Greenply, Archid, 24 Water proofing Compound IS 2645:2003 Piddelitte, FosrocSiko 25 Flush Door shutters IS 2202(Part-I):1999 IS 18I Marked / Deepak 26 SS Butt Hinges IS 12817:1997 ISI Marked / Deepak 27 Hydraulic Door Closer IS 3564:1966 Hitech, Hardwyn, Ozone				Charge.)
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NOTE:

- 1. For any other make, prior approval of Engineer-in charge is required before execution in work.
- 2. All mandatory tests and other tests shall be made as per the departmental guidelines applicable and as required by Engineer-in-charge.
- 3. The contractor at his own cost shall ensure before tendering samples for approval of material/article that the material/article of above mentioned Manufacturers/Agencies/brand/make shall fully comply

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with the item nomenclature, drawings, Agreement specifications, CPWD Specifications 2009, Test results etc. Any deviation shall be brought to the notice of the Engineer-in-charge. Failure on all or any of the aforementioned accounts, the sample shall be rejected. The decision of Engineer-in-charge in this regard shall be final and binding on the contractor.

Executive Engineer (Civil)
BSNL Civil Division,
Bilaspur.

CERTIFICATE

I/we hereby undertake that I/We/My authorized representative have received the copy of the stated list (along with the tender document) of brand names of various items to be used for the above work and I/We shall quote my rates of various items of schedule accordingly.

I hereby also certify that I shall use only the above referred brands in the work and in case any other brand is used then I shall not claim for the payment of that item.

Signature of Contractor or his authorized representative with seal

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PROFORMA FOR AGREEMENT

CONTR	RACT AGREEMENT FO	R THE WORK OF	PAPER OF APPROPRIA	TE VALUE)DATED Between M/shereinafter called the contractor
assigns	term shall unless excludes) of the one part and the ed by or repugnant to the	led by or repugnant to be e Bharat Sanchar Nigam	subject or context include	e its successors and permitted the BSNL (which term shall unless
A .	The BSNL is desiron should I	 General Conditions of te Schedule of completion 	ed, enumerated or referr he Contract, Special Cond	ed to in the tender including Press ditions of the Contract, Specifications entities and Rates, Agreed Variations
В.	has satisfied himself strata, soil, sub-soil a and magnitude of the means of access to s has made local and irreferred to or implied nature and extent of the execution and considered all other nall matters incidental which might have influent the tender document special Conditions of Drawings, plan, time strategies.	by carefully examination nd grounds, the form an work the availability of ite, the supply of power independent enquiries ar in the tender document all the probable and post impletion of the work to natters, conditions and to thereto and ancillary the tenced him in making his is including the BSNL's of Contract, Schedule of schedule for completion	before submitting his ter d nature of the site and le labour and materials nece and water thereto and the d obtained complete info s or having any connection sible situations, delays, he be carried out under the hings and probable and patereof affecting the execu- tender. Press Notice Inviting Ter of Quantities and rates, of work. Letter of Accept	ecified in the tender documents and der as to the nature of the surface ocal conditions the quantities, nature essary for the execution of work, the accommodation he may require and remation as to the matters and things in therewith, and has considered the indrances or interferences to or with the contract, and has examined and cossible contingencies, and generally tion and completion of the work and der, General conditions of contract General obligations, Specifications and of tender and any statement of
	separately set out her AND WHEREAS The BSNL accepted t the construction of dateddated	ein and are included in the tender of M/s	ne expression Contract wheelers are the expression Contract wheelers are the expression Contract wheelers are the Schedule of quantities	reed form part of this contract thought erever herein used. (refer note) (Contractor) for conveyed vide letter No
NOW T	HIS AGREEMENT WIT	NESSTH & IT IS HEREI	BY AGREED AND DECLA	ARED AS FOLLOWS.
1.	hereby convenient w maintain the said wo described or which ar	ith the BSNL that the c rk and shall do and pe re to be implied and the the said times and in the	ontractor shall and will on rform all other acts and re-from or may be reason	to be executed by him, the contractor luly provide, execute, complete and things in the contract mentioned or ably necessary for the completion or e terms and conditions or stipulations
2.	does hereby agree w work actually done by	ith the contractor that the him and approved by the provision of the contra	ie BSNL will pay to contr e BSNL at the Schedule o	tenance of the said work, the BSNL actor the respective amounts for the or Rates and such other sum payable ade at such time in such manner as
3.	"The contract is sub issued) It is specifically and contractor shall have works or in the buildi articles, materials, etc the contractor shall rentitled to assume or absolute and unfetter agents and materials	distinctly understood a no right, title or interesting, structures or works to brought on the said site of have or deemed to retain possession or content in the total possession or content in the contractive parties hereto have he	and agreed between the in the site made available executed on the said site (unless the same specified any lien whatsoever control of the site or structure session of site and to refor and lying on the site.	BSNL and the contractor that the le by the BSNL for execution of the e by the contractor or in the goods fically belongs to the contractor) and r charge for unpaid bills will not be ctures and the BSNL shall have ar move the contractor, their servants e hands and seals in the day and the
Signe	ed and delivered for and	d on behalf of BSNL	Signature and delive contractor	red for and on behalf of the
(BHA	ARAT SANCHAR NIGAI	M LIMITED)		(Contractor)
Additio	n	Deletion	Correction	Overwriting
Contra	ctor	Engineer-in-Charge.		Page 25 of 31

OFFICIAL ADDRESS Date Date Place Place IN PRESENCE OF TWO WITNESSES **SIGNATURE SIGNATURE** NAME NAME **SIGNATURE SIGNATURE** NAME NAME For Proprietary Concern business under the name and style of......at................ (Hereinafter called the said Contractor which expression shall unless the context requires otherwise include his heirs, executors, administrators and legal representatives). For Partnership Concern firm office ata partnership having its registered(hereinafter called the said Contractor which expression shall unless the context requires otherwise include his heirs, executors, administrators and legal representatives). The partners of the firms are: Shri, And ii) For Companies M/sa company duly incorporated under the Indian Companies Act, 1956 and having its registered office atin the state of(hereinafter called the said Contractor which expression shall unless the context requires otherwise include its successors and assign).

FORM OF PERFORMANCE SECURITY BANK GUARANTEE BOND

	between	e terms and condit			hereinafter	called "the sai
	contractor(s)") fo	or the		vork (hereinafter c	alled "the s	said agreement") fo
	compliance of his	obligation in accorda	ince with the	terms and condition	ns in the said	d agreement.
	We		(indi	cate the name of the	Bank) (hereir	nafter referred to as "a
	Bank) hereby un	dertake to pay to only) on demand	the BSNL a	nd amount not ex	ceeding Rs	(Rupee
	We_pay the amount due	e and payable under th	is Guarantee	without any demure,	merely on a c	o hereby undertake t demand from the BSN
	contractor(s). Any s	mount claimed is requ such demand made on this Guarantee. Howevo (Rupe	the Bank sha er, our liability	Il be conclusive as re under this guarantee	egards tĥe an	nount due and payabl
	the contractor (s) in	ay to the BSNL any m n any suit or proceeding absolute and unequivoc	pending befo			
		e by us under this bond nall have no claim agair			oility for paym	ent to there-under an
	We(Indicate the name of Bank) further agree that the guarantee her contained shall remain in full force and effect during the period that would be taken for the performance of said agreement and that it shall continue to be enforceable till all the dues of the BSNL under or by virtue of said agreement have been fully paid and it is claims satisfied or discharged or till Engineer-in-charge on bel of the BSNL certifies that the terms and conditions of the said Agreement have been fully and properly carr out be the said contractor(s) accordingly discharges this guarantee.					
	vary any of the te contractor(s) from a gainst the said co agreement shall no the said contractor BSNL to the said co would, but for this p	est liberty without our comms and conditions of time to time or to post portractor(s) and to forest be relieved from our (s) or for any forbearar contractor(s) or by any sorovision, have effected	onsent and w f the said agi cone for any t ebear or enfoi liability by rea nce act of omi uch matter or or so relievir	thout affecting any neement or to exten- ime to time any of the ce any of the terms sons of any such val ssion on that part of thing whatsoever wh g us.	nanner our old time of per ne powers ex and conditioniation or exte the BSNL or ich under the	rformance by the sai ercisable by the BSN ns relating to the sai ension being granted to any indulgence by the law relating to suretice
6.	The guarantee will	not be discharged due	to the change	in the constitution of	the Bank or t	he contractor(s).
	Wethis guarantee exce	ept with the previous co	(ii	ndicate the name of l	Bank) lastly u	ndertake not to revok
	anything mention	all be valid up to ed above our liabi	lity against	this Guarantee is	restricted	to Rs.
	(Rs	only) ne extended date of exp	and unless a	claim in writing is lod	ged with us v	vithin six months of th
Date	the	date of	for			
					(India	cate the name of Banl
Addit	tion	Deletion		Correction		Overwriting
Cont	ractor	Engineer-in-C	`harao		Pa	ge 27 of 31

UNDERTAKING FOR NO NEAR RELATIVE IN BSNL C.G. Zone

(TO BE GIVEN BY EVERY TENDERER)

	(TO BE GIVEN BY EVER	T TENDERER)					
I/We	S/oSh	Residentof					
hereby certify that none of my near relative(s)as under is/are employed in territorial jurisdiction of							
BSNL Chhattisgarh Zone in any capacity i.e. either Non-Executive or Executive employee.							
b) H c) F d) M e) S f) S g) D h) D i) E k) S I) S		formation given by me is false/incorrect, BSNL deemed fit without any prior intimation to me.					
		Signature of Tenderer					
Note: In case of a company.	partnership firm this Certificate	is to be signed by all Partners/directors of the					
	Signatu	re of Partners/Directors					
	1.						
	1. 2.						
	2.						
I, hereby	undertake that I am not black liste	ed by GST authorities.					
		Signature of Tenderer					
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ANNEXURE-(I)

AFFIDAVIT

I/We	have	submitted	а	Bank	Guarantee	for	the	work
				(Name	of	Work),		Agreemen
No								
Dated:		from	m					(Name of
the Division	on) with a vi	iew to seek exemp	tion f	rom payment of	performance	guarantee	in cash	. This Bank
guarantee	e expires on				-			
I/ We und	ertake to ke	eep the validity of the	ne ba	nk guarantee inta	act by getting	it extended f	rom tim	e to time a
my/our ov	vn initiative	up to a period of				months	after th	e recorded
date of co	mpletion of	the work or as dire	ected	by the Engineer	in charge.			
	indemnify t k guarantee	the Bharat Sancha e if any.	r Niga	am Limited agair	nst any losses	arising out o	of non-e	ncashmen
						Signa		Deponent) Contractor
Note: The	offidavit ia	to be given by the	- Cvaa	utanta hafara a f	irat alaas Mari	atrata		
Note: The	anidavit is	to be given by the	Exec	utants before a r	irst class ivlagi	strate.		
Addition		Deletion		Corre	ction		Overw	riting
Contracto	r	Engineer-i	n-Cha	arge	Pag	e 29 of 3	31	

SCHEDULE OF QUANTITY

NAME OF WORK: Maintenance of 40 Metre Light Weight Narrow Base Tower by providing missing Members, Nut Bolt Tightening, painting etc. at "BIRRA", District:- Janjgir-Champa Under Bilaspur BA.

Item No.	Description of Items	Quantity	Unit	Rate in figures & in words	Amount in figures & in words
		1.00			
1	Tightening of nuts and bolts of 40	1.00	Each		
	Metre Light Weight Narrow Base		Job		
	Tower i/c mounts, platforms,				
	vertical cable tray, Horizontal				
	cable tray etc. all with Torque				
	wrench etc. including pasting of				
	Zinc rich paste wherever				
	galvanized coat has peeled off				
	etc. all complete and as per the				
	direction of Engineer in charge.				
	Note:- The rate of this item shall				
	include the cost of all labour,				
	material, T&P, Torque Wrench,				
	other equipments etc required				
	for all operations specified above				
	i/c scaffolding, safety belt,				
	insurance of labour etc. Nothing				
	extra shall be paid over the				
_	above rate.				
2	Providing, supplying and fixing of				
	missing members, galvanized				
	steel tower material with				
	average mass of zinc coating of				
	610 gm/sqm (approx. 85 micron)				
	consisting of angles, flats, base				
	plates, gusset plates, ladders,				
	connecting plates, bolts & nuts,				
	plain/spring washers including				
	making holes of required size, all				
	fabricated as per approved				
	drawing & specification for				
	erection of tower. The				
	galvanizing shall be as per				
	IS:4759. The structural steel for				
	tower shall confirm to IS: 2062 &				
	fabrication shall be as per				
	IS:4757. The structural steel				
	section produced by secondary				
	producer may be used for				
	fabrication of tower materials.				
	The tower shall be mounted by				
	galvanized fasteners with				
	washers.				

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1-1	Natorial Constitution Assessed	200.00	D	l I	
(a)	Material Supplied by the Agency.	200.00	Per		
			Kg		
(b)	Material Supplied by the	400.00	Per		
	Department.		Kg		
3	Transportation of available	1.00	Each		
	galvanized steel angles, gusset		Job		
	plates, nuts and bolts kept in				
	store at TE Raj Kishore Nagar to				
	work site i/c loading, unloading				
	stacking etc as per the direction				
	of Engineer-in-charge.				
4	Painting two or more coats with				
	high gloss synthetic enamel paint				
	of approved brand and colour				
	(international white and				
	international orange) over one				
	coat of etching primer (BISON				
	wash primer or equivalent) and				
	second coat of BISON HB Zinc				
	phosphate primer or equivalent				
	of approved brand as per				
	recommendation of International				
	Civil Aviation rules in 40 metres				
	Galvanized structural steel tower.				
	(NOTE: Rate includes painting of				
	tower, platform, antenna mount,				
	ladder, vertical tray, horizontal				
	tray, post etc)				
(a)	40 Mtr Height.	1.00	Each		
			Job		

Executive Engineer (Civil)

BSNL Civil Division

Bilaspur

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