

**BHARAT SANCHAR NIGAM LIMITED**  
**(A Government of India Enterprise)**

**TENDER DOCUMENT**

Name of the work: - Construction of SDO (Phones-V) office at PaikNagar, Nayapalli, Bhubaneswar.

**NIT No: - 21/2018-19/BCD/SDE-I/BBSR**

Total E.C. - Rs 15,31,019.00

E.M.D. - Rs 30,621.00

Completion period: 4 (Four) months

**Certified that this tender document contains 45(Forty Five) pages**

**O/o CHIEF ENGINEER (CIVIL)**  
**BSNL CIVIL ODESSA ZONE**  
**BHUBANESWAR**

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Name of work:- **Construction of SDO (Phones-V) office at PaikNagar, Nayapalli, Bhubaneswar.**

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## **INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING**

The Executive Engineer(Civil), BSNL Civil Division, Bhubaneswar invites item rate e-tenders on behalf of BHARAT SANCHAR NIGAM LIMITED (A Government of India Enterprise) from approved and eligible contractors of BSNL (Civil Wing) and non-BSNL registered contractors of appropriate class of Public Works Organizations like CPWD, DOP, MES, Railways and State PWD (R&B) of Odisha and other registered contractors of allied departments of State PWD are also eligible to participate in tender for the following work:

Sl. No.	Description	Details
i)	NIT No.	<b>21/2018-19/BCD/SDE-I/BBSR</b>
ii)	Name of Work:	Construction of SDO (Phones-V) office at Paika Nagar, Nayapalli, Bhubanewsar.
iii)	Estimated Cost	<b>Rs.15,31,019.00(Rupees Fifteen Lakh Thirty one Thousand Nineteen )only</b>
iv)	Earnest Money	<b>Rs. 30,621.00 (Rupees Thirty Thousand Six Hundred Twenty one) only</b>
v)	Period of Completion	<b>4(Four) Months.</b>
vi)	Last date and time of online submission of tender	<b>18.00 hours on 14.06.2018.</b>
vii)	Time and date of online opening of Documents	<b>11.30 hours on 15.06.2018.</b>
viii)	Time and date of opening of Online Financial Bids	<b>15.30 hours on 18.06.2018.</b>
ix)	Period during which hard copies of EMD, Registration Certificates, Undertaking and other Documents to be submitted to Division office by only the lowest tenderer.	To be submitted during office hours within a week from the date of opening of Financial Bid. In case the last day happens to be closed holidays, these Documents shall be submitted on the next working day

1. The intending bidder must read the terms and conditions of Tender document carefully. He should submit his bid if he considers himself eligible and he is in possession of all the certificates / documents required.
2. Information and Instructions for bidders for e-tendering posted on website shall form part of bid document.
3. The bid document consisting of NIT, 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 <http://www.tenderwizard.com/BSNL> or [www.odisha.bsnl.co.in](http://www.odisha.bsnl.co.in) free of cost.
4. For e-tendering of this tender, BSNL has engaged e-portal maintained by M/s ITI Limited, New Delhi. Intending bidders shall have to register with M/s ITI Limited, New Delhi to participate in the tendering process. For details kindly visit website <http://www.tenderwizard.com/BSNL> or contact Shri SANJIB MOHAPATRA (Mobile No. 9937488749 or 7377708585). If needed they can be imparted training on online bidding process as per details available on the website.
5. The intending bidders must have valid class-III digital signature to submit the bid.
6. The bid can be submitted only after depositing e-tender Processing Fee in favour of ITI Limited and uploading the mandatory scanned documents as specified within the period of bid submission. **E-tender processing fee is non-refundable.**

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7. Copies of eligibility documents and EMD as specified in the notice inviting tender shall be scanned and uploaded on the e-tendering website within the period of tender submission. Bidders can upload documents in the form of JPG format, PDF format and any other format as permissible by the e-tendering portal.
8. Bidders must ensure to quote rate of each item. The column meant for quoting rate in figures appears in dark yellow colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". 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). After submission of the bid online the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
9. After submission of bid online, it can be revised any number of times before specified time on last date of submission of bid. While submitting the revised bid, bidder can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
10. Financial bids shall be opened online only for bidders for whom EMD and other documents are found in order and who are found to be eligible to bid for work. On opening date, the bidder can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
11. If the contractor is found ineligible after opening of bids, his bid shall become invalid.
12. If any discrepancy is noticed between the eligibility documents as uploaded at the time of submission of bid and hard copies as submitted physically by the bidder, the bid shall become invalid and.
13. The lowest bidder shall have to submit original instrument for EMD and self-certified copies of all the scanned and uploaded documents within ONE WEEK in the office of tender opening authority.

**List of eligibility Documents to be scanned and uploaded within the period of bid submission:**

- a) Certificate of registration / enlistment order;
- b) EMD in the form of Treasury Challan/ Demand Draft/ Pay order or Banker's Cheque/ Deposit at Call Receipt/ FDR of any Scheduled Bank in favour of "Accounts Officer (Cash), O/o GMTD, **Bhubaneswar**". When amount of earnest money is more than Rs. 5 lakhs, part of earnest money is acceptable in the form of bank guarantee also.
- c) PAN card issued by Income Tax Department;
- d) Certificate of EPF registration, ESIC registration (if applicable), GST registration.
- e) Certificates of Work Experience (for non BSNL registered contractors) from an officer not below the rank of Executive Engineer;
- f) Copies of **Form "A" and partnership deed in case of partnership firm / memorandum of articles of association and power of attorney / authorization to the person who signs the tender in case of companies.**
- g) An undertaking that **"In case I/we become the lowest bidder, Original instrument for EMD and self certified copies of other eligibility documents shall be deposited by me/us with the Executive Engineer calling the tender within ONE WEEK of the opening of financial bid otherwise BSNL shall reject the bid and also take action to withdraw my/our enlistment/debar me/us from tendering in BSNL."**

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## DECLARATIONS TO BE GIVEN BY THE TENDERERS

**It is to certify that**

- a) I /We have gone through BSNL W-8 amended up to correction Slip No.6 as available on website [www.tenderwizard.com/BSNL/](http://www.tenderwizard.com/BSNL/) / [www.odisha.bsnl.co.in](http://www.odisha.bsnl.co.in) or in the office of Executive Engineer (C) and I/We agree with the terms and conditions of it and understood that it will form part of the agreement.

**Date: -**

**Signature of the Tenderer**

- b) In case I/we become the lowest bidder, Original instrument for EMD and self certified copies of other eligibility documents shall be deposited by me/us with the Executive Engineer calling the tender within ONE WEEK of the opening of financial bid otherwise BSNL shall reject the bid and also take action to withdraw my/our enlistment/debar me/us from tendering in BSNL.

**Date: -**

**Signature of the Tenderer**

- c) "I, .....S/o Shri ..... resident of ..... hereby certify that none of my relative(s) as defined in para 14 of BSNL W-6 is/are employed in BSNL Civil Zone, Odisha. 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".

NOTE: - (To be certified by all the partners in case of partnership firms, by all the directors in case of companies).

**Date: -**

**Signature of the Tenderer**

1. Other partners 2. Sri \_\_\_\_\_ S/o Sri \_\_\_\_\_ Signature:  
3. Sri \_\_\_\_\_ S/o Sri \_\_\_\_\_ Signature:  
4. Sri \_\_\_\_\_ S/o Sri \_\_\_\_\_ Signature:

**BHARAT SANCHAR NIGAM LIMITED  
(A GOVERNMENT OF INDIA ENTERPRISE)****NOTICE INVITING e-TENDER**

Item rate e-tenders are invited on behalf of BHARAT SANCHAR NIGAM LIMITED (A Government of India Enterprise) from approved and eligible contractors of BSNL (Civil Wing) and Non-BSNL contractors of appropriate class registered with Public Works Organizations like CPWD, Odisha State PWD (B&R) or any other allied department or PSU of Odisha State eligible to tender in Odisha State PWD (B & R)/ DOP/ MES/ Railways and other registered contractors of allied departments of State PWD are also eligible to participate in tender for the work of “ **Construction of SDO (Phones-V) office at Paika Nagar, Nayapalli, Bhubaneswar.**”

1. The enlistment of the contractors should be valid on the last date of submission of bids. In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.
  - 1.1 The work is estimated to cost **Rs.15,31,019.00 (Rupees Fifteen Lakh Thirty one Thousand Nineteen )only**
  - 1.2 Bidders will be eligible to bid for the work provided they submit proof of their valid enlistment with appropriate authority and required work experience in case of Non-BSNL registered contractors.
    - 1.2.1 Criteria of experience for submission of bid document for Non-BSNL registered contractors of Public Works Organizations like CPWD, Odisha State PWD (B&R) or any other allied department or PSU of Odisha State eligible to tender in Odisha State PWD (B & R)/ DOP/ MES/ Railways. and other registered contractors of allied departments of State PWD are also eligible to participate in tender.
      - 1.2.1.1 For works up to Rs. 7 lakhs :----NIL----
      - 1.2.1.2 For works above Rs 7 lakhs and up to Rs. 5 Crore and for all specialized works irrespective of its cost, the applicant should have completed works as per details below during the last seven (7) years ending last day of the month previous to the one in which the tenders are invited-
        - a) Three similar completed works each costing not less than the amount equal to **40% of estimated cost**
        - or
        - b) Two similar completed works each costing not less than the amount equal to **50% of estimated cost**
        - or
        - c) One similar completed works costing not less than the amount equal to **80% of estimated cost.**

For the purpose of this clause ‘Similar work’ means “**Building works**” shall mean the construction of Administrative / Technical Buildings and Staff quarters in RCC frame construction and / or load bearing construction, related sanitary installations/ water supply, compound wall etc/.

Above works should have been carried out in Central/State Government/ Central or State Public Sector Undertakings.

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The experience certificate shall clearly indicate the nature of the work and the satisfactory completion of the similar work along with value of work done and date of completion and shall be issued by an officer not below the rank of Executive Engineer.

For the purpose of eligibility, the work/credential in which levy/penalty has been imposed by the authority for delay of said work can not be considered for experience for this tender.

The value of executed works shall be brought to current costing level by enhancing the actual value of executed work at simple rate of 7% per annum; calculated from the date of completion to last date of receipt of applications for tenders and shall be rounded off to the nearest hundred rupees.

2. Agreement shall be drawn with the successful tenderer on prescribed Form No. BSNL W-7/8 amended up to correction slip no. 6, which is available on BSNL website [www.odisha.bsnl.co.in](http://www.odisha.bsnl.co.in) and also as a BSNL publication **in the office of the Executive Engineer (Civil) Division Bhubaneswar**. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **4 (Four) months** and shall be reckoned from **7<sup>th</sup> day** after the date of issue of work order or from the **1st day** of the handing over of the site whichever is later, in accordance with phasing, if any, indicated in the tender document.
- 3.1 The site is available with the department and shall be handed over during the execution of the work.
4. The bid document consisting of NIT, 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 <http://www.tenderwizard.com/BSNL> and the NIT & General Conditions of Contract can be seen from BSNL website [www.odisha.bsnl.co.in](http://www.odisha.bsnl.co.in).
5. For e-tendering of this tender, BSNL has engaged e-portal maintained by M/s ITI Limited, New Delhi. Intending bidders shall have to register with M/s ITI Limited, New Delhi to participate in the tendering process. For details kindly visit website <http://www.tenderwizard.com/BSNL> or contact Shri SANJIB MOHAPATRA (Mobile No. 9937488749 or 7377708585). If needed they can be imparted training on online bidding process as per details available on the website.
- 5.1 The intending bidders must have valid class-III digital signature to submit the bid.
6. **E-Tender Processing Fee (Non-refundable):** e-Tender Processing Fee amounting to **Rs.903.00** is to be paid online to the account of M/s ITI Limited through their e-gateway by credit/debit card, internet banking or RGTS/NEFT facility. **E-Tender processing fee cannot be paid in physical form i.e. through Demand draft/ Treasury Challan/ Pay Order or Banker's Cheque etc. E-Tender processing fee is non-refundable.**
7. Earnest Money of **Rs. 30,621.00 (Rupees Thirty Thousand Six Hundred Twenty one) only** in the form of Treasury Challan/ Demand Draft/ Pay order or Banker's Cheque/ Deposit at Call Receipt/ Fixed Deposit Receipt issued in favour of **'Accounts Officer(Cash), O/o. GMTD, Bhubaneswar.'** payable at **Bhubaneswar** shall be scanned and uploaded to the e-Tendering website within the period of bid submission.

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, Bank

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Guarantee of any scheduled bank having validity for six months or more from the last date of receipt of bids will also be acceptable.

The intending bidder has to fill the details of payment instrument for EMD such as banker's name, amount, number and date etc. in the drop down menu of the e-tendering portal. The EMD has to be scanned and uploaded to the e-Tendering website by the intending bidders within the period of bid submission.

**The lowest bidder shall submit the original instrument of EMD within ONE WEEK after opening of financial bid failing which the bid shall be rejected and the agency shall be debarred from tendering in BSNL and BSNL may also take action to withdraw the enlistment of such bidder.**

8. The bid can be submitted only after depositing e-tender Processing Fee in favour of M/s ITI Limited and uploading the mandatory scanned documents as specified within the period of bid submission.

**Following documents are required to be scanned and uploaded by the intending bidder within the period of bid submission:**

- a) Certificate of registration / enlistment order;
- b) Payment instrument for Earnest Money (EMD);
- c) PAN card issued by income Tax department
- d) EPF registration, ESIC registration(if applicable) and GST registration
- e) Certificates of Work Experience (for non BSNL registered contractors) from an officer not below the rank of Executive Engineer;
- f) Copies of **Form "A" and partnership deed in case of partnership firm / memorandum of articles of association and power of attorney or authorization to the person who signs the tender in case of companies etc.,** If the bidder is a firm in partnership/ company,
- g) An undertaking that **"In case I/we become the lowest bidder, The original instrument of EMD and self certified copies of other eligibility documents shall be deposited by me/us with the Executive Engineer calling the tender within ONE WEEK of the opening of financial bid otherwise BSNL shall reject the bid and also take action to withdraw my/our enlistment/debar me/us from tendering in BSNL."**

**Tenderers are requested not to upload any other certificates or documents. Also only the required experience certificates are to be uploaded.**

- 8.1 Bidders must ensure to quote rate of each item. The column meant for quoting rate in figures appears in dark yellow color and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". 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). After submission of the bid online the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.

After submission of bid online, it can be revised any number of times before specified time on last date of submission of bid. While submitting the revised bid, bidder can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.

9. (i) Last date and time of online submission of bids – Up to **18.00 hours on 14.06.2018**  
(ii) Time and date of online opening of documents **11.30 hours on 15.06.2018**



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- 9.1 Financial bids shall be opened online only for bidders for whom EMD and other documents are found in order and who are found to be eligible to bid for work.

Financial bids of eligible bidders shall be opened at **15.30 hours on 18.06.2018**

On financial bid opening date, eligible bidders can login and see the bid opening process. After opening of bids they will receive the competitor bid sheets.

- 9.2 **The lowest bidder shall have to submit self-certified copies of all the scanned and uploaded documents as specified in notice inviting tender along with original instrument of EMD within ONE WEEK in the office of tender opening authority.**

- 9.3 The bid submitted shall become invalid if:

- (i) The bidder is found ineligible.
- (ii) The bidder does not upload all the documents like EPF registration, ESIC registration(if applicable) and GST registration as stipulated in the bid document ***including the undertaking about submission of original instrument of EMD uploaded.***
- (iii) ***The lowest bidder does not deposit original instrument for EMD within a week of opening of bid.***
- (iv) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and self-certified copies as submitted ***physically by the lowest bidder*** in the office of bid opening authority.

- 9.4 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 liable to be debarred from tendering in BSNL for three years including any other action under the contract or existing law. This will be without prejudice to any action that may be taken against the contractor for the work awarded to him on the basis of questioned credentials.

10. The description of the work is as follows: **“Construction of SDO (Phones-V) office at PaikaNagar, Nayapalli, Bhubaneswar.”**

- 10.1 Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids 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 bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed.

The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder 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 Government 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 itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.

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12. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
13. The competent authority on behalf of BHARAT SANCHAR NIGAM LIMITED reserves to himself the right of accepting the whole or any part of the bid and the bidders 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 (HUF).
  - (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).

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/ Performance guarantee 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.

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16. The tender for the work shall remain open for acceptance for a period of 45 (FORTYFIVE) 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 put to tender 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 with estimated cost put to tender Rs.15, 00,000/- and above, the successful tenderer, 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 BSNL. In the event of failure on the part of the successful tenderer to furnish the Bank Guarantee within 15 days, including extended period if any, the earnest money deposited by the contractor shall be forfeited automatically without any notice to the contractor, and tender will be 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 bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
  - b) Standard BSNL W-7/8 as on BSNL website [www.odisha.bsnl.co.in](http://www.odisha.bsnl.co.in)
  - c) Agreement signed on non-judicial stamp paper as per Performa annexed to the tender document.
19. Payment to the contractors shall be made through e-payment system like ECS & EFT as detailed below:
- (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

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- b) progress chart has been prepared as required under Clause 5 and approved by the competent authority.
- (c) After obtaining labour licence,EPF registration, and ESIC registration whatever of the three applicable for this contract or to the contractor.
21. General conditions of contract for works in BHARAT SANCHAR NIGAM LIMITED are available on BSNL website [www.odisha.bsnl.co.in](http://www.odisha.bsnl.co.in) as well as in the Division Office.
22. If any terms and conditions under General Rules and Directions, (which can be seen in general conditions of contract available in BSNL website [www.odisha.bsnl.co.in](http://www.odisha.bsnl.co.in) is in contravention to terms and conditions as above, the terms and conditions as above shall prevail.
23. Tender with any conditional rebate shall be summarily rejected. However unconditional rebate in tender shall be accepted.

Signature and Name of

**Executive Engineer (Civil)**  
**For & on behalf of**  
**Bharat Sanchar Nigam Limited**

**BHARAT SANCHAR NIGAM LIMITED  
(A GOVERNMENT OF INDIA ENTERPRISE)**

STATE : ODISHA

CIRCLE: BHUBANESWAR

DIVISION: BHUBANESWAR

ZONE: BHUBANESWAR

SUB-DIVISION: No – I BHUBANESWAR

**Percentage Rate Tender / Item Rate Tender & Contract for Works**

**(A) E-Tender for the work of “Construction of SDO (Phones-V) office at PaikaNagar, Nayapalli, Bhubaneswar.”**

**(i) To be submitted by 18.00 hours on 14.06.2018**

- (ii) To be opened in presence of tenderer who may be present at **11.30 hours on 15.06.2018** in office of Executive Engineer (Civil) and financial bid shall be opened at **18.30 Hrs on 18.06.2018**

**T E N D E R**

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 forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid 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 **45 (forty five) 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. **30,621.00 (Rupees Thirty Thousand Six Hundred Twenty one) 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, upto 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.

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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 where the ECS/EFT facility of e-payment is available and details of same shall be intimated after issue of letter of acceptance.

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 than a 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.

**Court Jurisdiction: "I/we agree that this contract is subject to jurisdiction of Court at Bhubaneswar only."** (Where the NIT/Tender has been issued)

Dated.....

Witness:

Address:

Occupation:

( )  
Signature of Contractor  
Postal Address: -

\*\*\*\*\*

## A C C E P T A N C E

The above tender (as modified by you (Contractor) and as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Bharat Sanchar Nigam Limited for a sum of  
Rs \_\_\_\_\_ (Rupees  
\_\_\_\_\_ )

The letters referred to below shall form part of this Contract Agreement:-

- (a) \_\_\_\_\_
- (b) \_\_\_\_\_

For & on behalf of the Bharat Sanchar Nigam Limited.

Signature \_\_\_\_\_

Dated.....

Name and designation

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## PROFORMA OF SCHEDULES

(Operative Schedules to be supplied separately to each of the intending tenderer)

### SCHEDULE "A"

Schedule of Quantities - ENCLOSED

### SCHEDULE "B"

Schedule of Materials to be issued to the contractor

S. No.	Description of Item	Quantity	Rates in figures & words at which the materials will be charged from the contractor	Place of issue
1	2	3	4	5
NIL				

### SCHEDULE "C"

Tools and Plants 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"

Additional Conditions and specifications - Enclosed

### SCHEDULE "E"

Schedule of component of Materials, Labour etc. for escalation

**No escalation on material and labour is payable for this work. Clause 10C for escalation of material and labour is not applicable.**

### CLAUSE 10

Component of Materials expressed as a percent of Total Value of Work	"X"	<b>75 %</b>
Component of Labour expressed as percent of Total Value of Work	"Y"	<b>25 %</b>
Component of POL expressed as percent of Total Value of Work	"Z"	<b>0 %</b>



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## SCHEDULE “F”

(Reference to General Conditions of Contract)

Name of Work	<b>Construction of SDO (Phones-V) office at PaikaNagar, Nayapalli, Bhubaneswar.”</b>	
Estimated cost of Work	<b>Rs.15,31,019.00(Rupees Fifteen Lakh Thirty one Thousand Nineteen )only</b>	
Earnest Money	<b>Rs. 30,621.00 (Rupees Thirty Thousand Six Hundred Twenty one) only</b>	
<b>Performance Guarantee</b> (5 % of the tendered value in the form of Bank guarantee from Scheduled Bank in respect of works with estimated cost put to tender exceeding Rs. 15 lakhs) (The amount shall be deposited within 15 days from the date of issue of letter of acceptance by the EE©, which can also be extended to a specified period as per the discretion of the NIT approving authority)	Rs. _____ Rupees _____ only	
<b>Security Deposit</b> (10 % of the tendered value for works with estimated cost put to tender up to Rs. 15Lakhs) (5 % of the tendered value in the form of Bank Guarantee from Scheduled Bank in respect of works with estimated cost put to tender exceeding Rs.15 Lakhs)	Rs. _____ Rupees _____ only	

### GENERAL RULES AND DIRECTIONS

<b>Officer inviting tender</b>	Executive Engineer (Civil), BSNL Civil Division, Bhubaneswar	
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clause 12.2 & 12.3	<b>50%</b>	
<b>Definitions</b>	<b>See below</b>	
2(v) Engineer-in charge	Executive Engineer (Civil), BSNL Civil Division, Bhubaneswar.	
2(viii) Accepting Authority	Joint Chief Engineer(C)/Superintending Engineer(C), BSNL Odisha Civil Zone, Bhubaneswar	
2(x) Percentage on cost of materials and Labour to cover all overheads and profit.	10 %	
2(xi) Standard Schedule of Rates	Central Public Works Department Schedule of rates - 2016 for Delhi with up to date correction slips with rates factored by 110/115	
9(ii) Standard BSNL Contract Form	BSNL W 7/8 form as modified and up to and including correction slip No.6	
<b>Clause 2</b>		
Authority for fixing compensation under Clause 2	Joint Chief Engineer(C)/Superintending Engineer(C), BSNL Odisha Civil Zone, Bhubaneswar.	



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<b>Clause 2 A</b>	
Whether Clause 2A shall be applicable	NO
<b>Clause 3 A</b>	
Whether Clause 3A shall be applicable	NO
<b>Clause 5</b>	
i) Time allowed for execution of work	<b>4(Four) Months</b>
ii) Authority to give fair and reasonable extension of time for completion of work	Joint Chief Engineer(C)/Superintending Engineer(C), BSNL Odisha Civil Zone, Bhubaneswar
<b>Clause 6 A</b>	
Whether Clause 6A shall be applicable	NO
<b>Clause 7</b>	
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	Rs 3.0 lakh
<b>Clause 10</b>	
Reinforcement steel to be used in the work shall have to be procured as below	TMT bars Manufactured by any of the primary producers such as SAIL, TISCO, RINL (VIZAG) JSW, Jindal panther
<b>Clause 10 C</b>	Not applicable.
<b>Clause 10 CA</b>	Not Applicable.
<b>Clause 11</b>	
Specification to be followed for execution of work	CPWD Specifications Volume I & II 2009 with up to date correction slips as on the date of opening of the tender
<b>Clause 12</b>	
12.2 & 12.3 Limit for value of any item	50 %( Fifty percent)item wise
<b>Clause 16</b>	
Competent authority for deciding reduced rates	Joint Chief Engineer(C)/Superintending Engineer(C), O/o CE(C), BSNL Odisha Civil Zone, Bhubaneswar

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## Clause 36(i)

Requirement of Technical Staff and rate of recovery in case of non-compliance shall be as per the following table:

Value of Work	Sl. No	Minimum qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum Experience in years	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
							figures	words
For Agreement amount upto Rs 150 lakhs	1	Graduate Engineer OR Diploma Engineer	Civil	Principal Technical representative	2 years for Graduate Engineer OR 5 years for Diploma Engineer	1	Rs 15,000/-	Rs Fifteen Thousand only
For Agreement amount between Rs 150 lakhs to Rs 500 lakhs	1	Graduate Engineer	Civil	Principal Technical representative	5 years for Graduate Engineer	1	Rs 25,000/-	Rs Twenty Five Thousand only
	2	Graduate Engineer OR Diploma Engineer	Civil	Technical representative	2 years for Graduate Engineer OR 5 years for Diploma Engineer	1	Rs 15,000/-	Rs Fifteen Thousand only

## Clause 37(i)

Extent of <b>GST</b> payable by <b>Contractor</b> for Building and Construction works	<b>GST 18% Applicable ,Any Increase/decrease in the rate of GST while making payment of bills will be adjusted accordingly</b>
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## Clause 42 (i)

(i) Schedule / statement for determining theoretical quantities of cement	On the basis of Delhi Schedule of Rates 2016 with up to date correction slips published by CPWD
<b>(ii) Variation permissible on theoretical quantities</b>	
a) Cement for works with estimated costs put to tender	
i) not more than Rs. 5 lakhs	3 % minus
ii) more than 5 lakhs	2 % minus
b) Steel reinforcement and structural steel sections for each diameter, section and category.	2 % minus

### Star prices to be considered for escalation and recoveries

Sl. No	Material	Star Price (Rate in Figures and Words)
1	For Cement	Rs. 6,400/- (Rupees Six thousand Four Hundred) only/M.T
2	For Reinforcement Steel conforming to BIS 1786 - TMT bars	Rs.57,300/-(Rupees Fifty Seven thousand three hundred) only. /M.T

**The rate for recovery under clause 42 shall be same as the Star Price**

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## SCHEDULE 'D'

### LIST OF PREFERRED MAKES FOR VARIOUS ITEMS OF WORK

The tenderer has to provide items specified as under or equivalent with the approval the Engineer-in-Charge for corresponding item of work.

S.NO.	MATERIAL	PREFERRED MAKE
1	Water Proofing Compound	Fosroc, Pidilite, Impermo, Sika, Accoproof, CICO
2	PVC Pipes and Fittings	Astral, Supreme, Finolex, Prince, Skipper, Ashirwad, Truebore
3	Acrylic Distemper/ Plastic Emulsion Paints	Asian Paints, ICI, Berger
4	Steel Primer	ICI, Asian Paints, Berger, Shalimar
5	Dash/Anchoring Fasteners	HILTI/Fischer
6	Nuts/Bolts & Screws	GKW/Atul
7	Stainless Steel Sink (Out of salem Steel only)	Diamond, Nirali, Neekanth, Jayana, Prestige
8	Float Valve	Viking, Prayag, Watertec
9	Admixtures in concrete	Fosroc, Sika Pidilite, Roff
10	Vitreous China Sanitary ware/ Porcelain	Parryware, , Hindware,
11	Plastic seat cover of W.C.(ISI mark only)	Commander, Hindware, Admiral
12	G. I. Pipes	Jindal (Hissar), Tata, Zenith, I.T.C., GST
13	G. I. Fittings	Unik, Zenith, HB
14	Gun metal valves	Leader, ZOLOTO, DRP
15	Gully traps	Perfect, Hind or Crystal
16	Clear Glass/ Reflective Glass	Saint Gobain, Modiguard, Asahi, Modifloat, Indor Asia
17	Grouting compound	Latticrete, Balendura, Fosroc
18	Aluminium sections	Hindalco, Jindal, Indal
19	Aluminium fittings	Everite, OXFORD, Argent, NLCO, Allans
20	Floor springs	Dorma, Ozone, Hardwyn, Yale, Everite, Godrej
21	Exterior paints	Snowcem India, Asian, ICI
22	Pre-laminated particle board	Ecoboard, Asis, Novapan
23	Aluminium composite panel (ACP)	Aludecor, Alponic, Alcobond, Alcopanel, Durabuilt, Alstrong

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SI. No.	MATERIAL	PREFERRED MAKE
24	Polyvinyl Butyl film	Dupont, Trossifoil, Trussof
25	PVC sheet flooring/ Antistatic	LG, Armstong, Jindal, Wonderfloor
26	Silicon sealant	DOW Corning, GE
27	Epoxy grouts	Saint Gobin, Latticrete, Balendura, FOSROC
28	Flush door shutters	Kitply/Sitapur/Anandwood/Century/Greenply/Archid/Mayur
29	Hardware fittings	EARL BIHAR/HETTICH/LAXMI
30	Cupboard Locks	Dorset, Godrej, Europa
31	Drawer multilock	KEYMAN/Earl Behari
32	Cylindrical lock	SECUR, DORSET, GODREJ
33	Mortice latch & lock	Godrej, Sheel
34	Plyboard	National/Duro/Green Ply/Kitply/Alishan
35	Prelaminated MDF Board	Merino , ASIS , CENTURY
36	Plain MDF Board	NUWOOD, ASIS , CENTURY
37	LAMINATES	Greenlam/Formica/Decolam/Merinolam
38	Enamel Paints	Johnson & Nicholson/Asian/Royal touch Berger/ICI
39	Paver block	Aeons/Hicon/Shan Fly Ash/Malu/Prathi Sai/Nitco/Gico/Ultra
40	MS Tubes	Jindal/Tata/SAIL
41	Precast chequered cement concrete tiles	NITCO/Ultra/Aeons/Hicon/Gico
42	CPVC pipes	Ashrivad,Flowguard
43	Stainless steel sections	Jindal
44	Glue	Fevicol/Vemicol
45	Ceramic tiles	ORIENT Bell/ Kajaria/ NITCO /Somany
46	CP fittings & accessories	Parko/Kingston/Esso/Plumber/Crab tree
47	Insulation above false ceiling	Armaflex/Superior/Eurobatex
48	Square perforated metal false ceiling	Conwed/Unimet/TRAC
49	Providing Acoustical felt treatment	Soundtex
50	Exposed grid false ceiling	ARMSTRONG/NITTOBO/AMF/CELOTEX
51	Gypsum Board accessories	India Gypsum Ltd.
52	Epoxy paint	Nerolac/Asian
53	Access flooring system (false floor)	Utile/Donn
54	Perforated panels (false floor)	Utile/Donn
55	Rodent repellent	MASER

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<b>Sl. No.</b>	<b>MATERIAL</b>	<b>PREFERRED MAKE</b>
56	Tinted film	Garware, Meditech, 3M
57	Privacy film	3M
58	Writing boards	Alkon/Whitemark/Writemark
59	Artificial leather	National leather Cloth Mfg Co., Bhor
60	Fire retardant paint	Firetard
61	Screws	Nettlefold/ GKW Ltd
62	Fabric Protection	Scotchguard of Birla 3M
63	Foam of chairs, Sofa	MM Foam/ U FOAM
64	Vitrified tiles/Polished Porcelain	Orient Bell/ Kajaria/NITCO/EURO/Somany/ Naveen
65	Wood preservative	Bison by British paints/ Woodguard/Termiseal
66	Marine plywood	Kenwood/ Kitply/ National/Greenply/Sharon/Alishan
67	Commercial plywood	Guna/Kenwood/Galaxy/Century
68	Plain particle board	Novopan/Nepalboard/Ecoboard
69	Fire retardant fabric	Trevira CS fabrics(Rajasthan Spinning & Weaving Mills Ltd.)
70	PVC water tank	Sintex(with ISI mark embosing only)
71	PVC door shutter	Duro plast / Rajshri
72	White cement	Birla White/JK White
73	PVC gratings	Prince/Prayag.
74	Hydraulic door closer	Hardwyn, Dorma, Ozone, Yale, Everite/Godrej
75	Welding Electrodes	Advani, ESAB India
76	UPVC windows (with 10 yrs manufacturers warranty)	Fenesta, Wintech, Kommerlink, Veka, Reheau

## **ADDITIONAL CONDITIONS AND SPECIFICATIONS**

1. The intending tenderers shall note that the work is of urgent nature and is to be positively completed within the stipulated period. Therefore, only those Contractors who are confident and capable of carrying out the work within the stipulated period should apply for the work.
- 2 The contractor should submit a tentative programme of working within seven days of the date of commencement of work for approval to Engineer-in-Charge. The contractor will have to work as per programme approved by the department. No claim whatsoever will be entertained on this account.
- 3 The work shall be executed and measured as per metric dimensions given in the Schedule of quantities, drawings etc. (F.P.S units wherever indicated are for guidance only).
4. Unless otherwise provided in the Schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all heights lifts and leads and depths of the building and nothing extra shall be payable to him on this account.
- 5 Whenever any reference to any Indian Standard Specification occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued thereto or revisions thereof if any, up to the date of receipt of tenders.
- 6 The contractor shall give a performance test of installations as per specifications before the work is finally accepted and nothing extra whatsoever shall be payable to contractor on this account.
- 7 The work shall be carried out in a manner complying in all respects with the requirements of relevant byelaws of the Municipal Committee / Municipal Corporation / Development Authority / Improvement Trust under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-charge and nothing extra shall be paid on this account.
- 8 Other agencies doing work of electrification, external services, other building work, horticulture work etc. for this project will also simultaneously execute the works and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, openings etc. for laying / burying in the work pipes, cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for the electric and sanitary works etc. and nothing extra over the agreement rates shall be paid for the same.
9. Unless otherwise specified in the schedule of quantities the rates for all items of the work shall be considered as inclusive of pumping out or bailing out water, if required, for which no extra payment will be made. This will include water encountered from any source, such as rains, floods, sub-soil water being high due to any other cause whatsoever.
10. It is likely that work is executed in restricted areas and some restrictions may be imposed by the security staff etc., on the working and / or movement of labour, materials etc., the contractor shall be bound to follow all such restrictions / instructions and nothing extra shall be payable on this account.
11. Wherever the work site is in non-BSNL premises, the contractor shall take extra precautions for avoiding damages to the building/ premises. The Engineer-in-charge shall be indemnified against any claims on account of damages to the building/ premises of the landlord and contractor shall be legally responsible for compensating the landlord as may be assessed by the Engineer-in-charge.

12. Any cement slurry added over base surface (or) for continuation of concreting, for better bond is added to have been in built in the item (unless otherwise / explicitly stated) and nothing extra shall be payable (or) extra cement considered with consumption on this account.
13. The rate for all items in which the use of cement is involved is inclusive of charges for curing.
14. The contractor shall give a performance test of the entire installation (s) as per standard specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.
15. Cement bags shall be stored in separate go downs to be constructed by contractor at his own cost as per sketch at page 23 of CPWD specifications 2009 Vol. II with weather proof roofs and walls.
16. The foundation trenches shall be kept free from water while all the works below ground level are in progress.
17. The contractor shall provide at his own cost suitable weighing and measuring arrangements at site for checking the weight / dimensions as may be necessary for execution of the work.
18. The rate for all items of work, shall, unless clearly specified otherwise include cost of all labour, material and other incidentals involved in the execution of the items.
19. Normally no departmental materials shall be issued to the contractor for the work. However the Engineer-in-charge may, at his discretion, issue some materials to the contractor for the work. The materials so issued shall be got insured against loss/damages etc. The contractor shall also ensure that only the required quantities of the departmental materials are used for the work. In the event of excess consumption beyond the required quantities, the Engineer-in-charge shall have the right to make recovery at market rates for which certificate of Engineer-in-charge shall be final and binding.
20. All materials which are to be tested for use in work shall be procured well in advance so that enough time is available for testing and approval of these materials by the Engineer-in-charge.
21. The contractor shall also construct a sample unit complete in all respects within three months from the date of award of work and this sample unit shall be got approved by the Engineer-in-charge before mass construction is taken up. No extra claim whatsoever beyond the payments due at agreement rates will be entertained from the contractor on this account.
22. The contractor shall take instructions from the Engineer-in-charge regarding collection and stacking of materials in any place. No excavated earth or building material shall be stacked on areas where other buildings, roads, services or compound walls are to be constructed.
23. Royalty / seigniorage at the prevalent rates shall have to be paid by the contractor on the boulders, metal, shingle, sand and bajri etc. or any other material where royalty / seigniorage is payable collected by him for the execution of the work direct to the revenue / mines authority of the State Government concerned and nothing extra whatsoever shall be payable to contractor on this account.
24. The contractor shall make his own arrangements for obtaining electric / water connections, if required, and make necessary payments directly to the Department concerned.



25. The contractor shall take all precautions to avoid all accidents by exhibiting necessary day and night caution boards, speed limit board, red flag, red lights and by providing barriers. He shall be responsible for all damages and accidents caused due to negligence in this regard. No hindrance shall be caused to Traffic during the execution of work.
26. The contractor shall maintain in perfect condition all works executed till the completion of the entire work allotted to him. Where phased delivery is contemplated the provisions mentioned above will apply to each phase.
27. No compensation/payment shall be payable to the contractor for any damage caused by rains, snow fall, lightning, wind, storm, floods tornadoes, earthquakes or other natural calamities during execution of work. He will make good all such damages at his own cost and no claim on this account will be entertained.
28. All materials obtained by the contractor shall be got checked from Engineer-in-charge or his representative on receipt of the same at site before they are actually used.
29. The contractor shall clear the site thoroughly of all scaffoldings, materials and rubbish etc. left out of his work and dress the site around the building to the satisfaction of the Engineer-in-charge before the work is considered as complete.
30. If as per municipal rules the huts for labour are not to be erected at the site of work by the contractors, the contractors are required to provide such accommodation as is acceptable to local bodies and nothing extra shall be paid on this account.
31. The centering 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.
32. The contractor must see the proposed site for the work and study specifications and conditions carefully before tendering. No claim of any sort shall be entertained on account of any site conditions or ignorance of specifications and conditions.
33. The tenderer should see the approaches and conditions of the site. If any approach from main road is required at the site or existing approach is to be improved and maintained for cartage and materials by the contractors, the same shall be provided, improved and maintained by the contractor at his own cost.
34. Cess under Building and other Construction Worker's Welfare Cess Act 1996 and other construction workers cess rules (Not withstanding anything contained in this contract) shall be recovered from the gross amount of the bill/bills at the rate stipulated under Clause 3(1) of the Building and other Construction Worker's Welfare Cess Act 1996.
35. The contractor shall bear all incidental charges for cartage of material required for work and construct suitable go downs, yards at the site of work for storing all the materials so as to be safe against damage by sun, rain, dampness fire, theft etc. at his own cost and also employ necessary watch and ward establishment for the purpose at his own cost.
36. In the item of RCC walls, railing and roofs etc., nothing extra shall be paid for making designs as per patterns given by Architects or for thickness of sections.
37. The rates for railing are inclusive of all the labour and the materials including execution as given in the description of the item, portion of the railings which is embedded in the masonry or RCC shall not be included for measurements.
38. Apart from OPC-43 grade cement as specified in General Conditions of Contract, OPC-53 grade conforming to IS: 12269 or PSC - Portland Slag Cement conforming to IS: 455-1989 or PPC conforming to IS: 1489(Part-1) may also be used in the work. However, while using Portland Pozzolana cement (fly ash blended) conforming to IS:



1489(Part-1), the certificate from PPC manufacturer indicating the percentage of fly ash shall be submitted to the Engineer-in-charge before using the cement in the work

In case of OPC-53 grade cement, it shall be ensured that the curing of the concrete work starts just after 4 hours of casting of concrete.

39. The compaction of the concrete shall be done by vibrating, table or external vibrator, as approved by Engineer-in-charge. The rate quoted for the item shall include the element of both for form work and mechanical vibration.
40. The water will be tested with regard to its suitability for use in RCC work and nothing extra will be paid for on this account.
41. The rate of item of reinforcement in RCC 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.
42. The rate of items of flooring is inclusive of providing sunk flooring in bath rooms, Kitchen etc., and nothing extra on this account is admissible.
43. The rate of T/ angle iron frame shall include the following:-
  44. a) M.S. sill / tie of 16 mm dia. bar shall be welded to T-iron door frames to keep the frame vertical in correct position. The sill / tie shall be embedded in floor concrete. No tie is necessary for window frames. In the case of window frame 2 lugs 15 X 3 mm long shall be welded to each vertical member of the frame.
  45. b) Each T-iron frame for doors shall have 4 nos. M.S. lugs 15 X3 mm, 10 cms long welded to each vertical member of the frame. In case of window frames, two lugs 15 X 3 mm shall be welded to each vertical member of the frame.
  46. c) M.S flat 8 X 25 mm, 100 mm, long having threaded holes ( No. of flats shall correspond to the No. of butt hinges to be fixed to door / window shutter) shall be welded at appropriate places at the back of the T-iron frames for fixing the required butt hinges to the frame with machine screws. M.S flats 8 X 25 mm, 50 mm long with threaded holes, shall be welded to the back of the T- sections to receive the butt hinges for the cleats.
47. The M.S flat clamps 15 X 6 mm thick for holding arrangements are to be provided and added as per site conditions. The rate is inclusive of the cost of such cramps.
48. The sill tie, lugs, curtain brackets and flats welded for fixing hinges and cleats shall not be measured for the purpose of payment.
49. All welding steel work shall be tested for quality of weld as laid down in IS:822 – 1970 before actual erection. Wherever welding appears it shall mean continuous fillet welding.
50. Sanitary fittings, paints, and other materials shall be obtained from one of the firms on the list of approved manufacturers of C.P.W.D. and shall bear I.S.I mark. The materials shall be tested as per provision in relevant I.S codes. The contractor's rates for items involving the use of the above materials shall be deemed to cover the cost of samples.
51. The contractor shall be responsible for the protection of the sanitary and water supply fittings and other fittings and fixtures against pilferage and breakage during the period of installation and thereafter until the building is handed over.
52. Water tanks, taps, pipes, fittings and accessories should conform to the CPWD specifications 2009 Vol. I to Vol. II with up to date correction slips, byelaws and specifications of the Municipal bodies Corporations etc. The contractor should engage licensed plumbers for the work and get the material (fixtures fittings) tested by the

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municipal bodies / corporation authorities wherever required, at his own cost. The work shall be carried out according to the municipal byelaws.

53. The work of water supply, internal sanitary installations and drainage work etc., shall be carried out as per local Municipal Corporation or such local body byelaws and the contractor shall produce necessary completion certificate from such authorities after completion of the work.
54. 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.
55. The sanitary water supply and drainage pipes and fittings and other materials shall be of approved quality shall conform to the relevant C.P.W.D. specifications 2009 Vol. I to Vol. II with up to date correction slips and shall be I.S.I marked. The work shall be carried out without infringing on any of local Municipal byelaws.
56. The contractor shall procure steel reinforcement bars confirming to relevant BIS codes from main producers as approved by the Ministry of Steel.

CONTRACTOR

EXECUTIVE ENGINEER(C)

## CONDITIONS FOR OTHER TAXES AND ROYALTIES

1. **The rates offered should be inclusive of GST liable to be paid by contractors. GST rate is mentioned under 37(i) in the schedule-F. Any increase in the rate of GST while making payment of bills will be compensated to the contractor. Any decrease in the rate of GST while making payment of bills will be recovered from the bills of the contractor. Contribution towards EPF, ESIC and all other taxes applicable. Insurance, loading, unloading, transportation etc should be included on the quoted rates. The rate shall be firm & final.**
2. **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. **Cost for the welfare of construction workers shall also be deducted from the bills of the contractors.**
4. **Royalty** shall have to be paid by the contractor on all materials such as stone, bricks, boulders, metal, shingle, bajri, stone aggregate, coarse sand and fine sand etc. or any other materials used for the execution of the work direct to the Revenue Authority of the District/ State Govt. concerned.

# DNIT

<b>SCHEDULE OF QUANTITIES</b>					
Name of the work : Construction of SDO (Phones-V) office at PaikNagar, Nayapalli, Bhubaneswar.					
Sl. No.	Description of Item	Quantity	Unit	Rate (Rs)	Amount (Rs)
<b>Sub-Head : Earth Work</b>					
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
a)	All kinds of soil.	66.00	One Cubic Metre		
2	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
a)	All kinds of soil				
(i)	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	17.00	One Metre		
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	22.00	One Cubic Metre		
4	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	40.00	One Cubic Metre		
5	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50m outside the periphery of the area cleared.	400.00	One Square Metre		
<b>Sub-Head : Concrete Work</b>					

## DNIT

6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
a)	1:4:8 (1 Cement : 4 coarse sand(zone-III) : 8 graded stone aggregate 40 mm nominal size).	9.50	One Cubic Metre		
b)	1:5:10 (1 cement : 5 coarse sand(zone-III) : 10 graded stone aggregate 40 mm nominal size)	8.00	One Cubic Metre		
7	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level, excluding the cost of centering, shuttering and finishing :				
a)	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	1.00	One Cubic Metre		
8	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand(Zone III) : 4 graded stone aggregate 12.5mm nominal size).	11.00	One Square Metre		
9	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	3.00	per 50 kg cement		
10	Providing and applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	11.00	One Square Metre		
11	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation leveling and dressing and finishing the top smooth.	33.00	One Square Metre		
<b>Sub-Head : Reinforced Cement Concrete</b>					

## DNIT

12	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
a)	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	1.20	One Cubic Metre		
13	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				
a)	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	1.00	One Cubic Metre		
14	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	5.00	One Cubic Metre		
15	Centering and shuttering including strutting, propping etc. and removal of form for :				
a)	Foundations, footings, bases of columns, etc. for mass concrete.	7.00	One Square Metre		
b)	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	38.00	One Square Metre		
c)	Columns, Pillars, Piers, Abutments, Posts and Struts.	10.00	One Square Metre		
d)	Weather shade, Chajjas, corbels etc., including edges.	10.00	One Square Metre		
16	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level.				
a)	Thermo-Mechanically Treated bars of grade Fe-500 D or more.	300.00	One Kilogram		

## DNIT

17	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
a)	Thermo-Mechanically Treated bars of grade Fe-500 D or more.	500.00	One Kilogram		
18	Smooth finishing of the exposed surface of R.C.C. work with 6 mm thick cement mortar 1:3 (1 Cement : 3 fine sand)	12.00	One Square Metre		
19	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	26.00	One Metre		
	<b>Sub-Head : Brick Work</b>				
20	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
a)	Cement mortar 1:6 (1 cement : 6 coarse sand)	33.00	One Cubic Metre		
21	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
a)	Cement mortar 1:6 (1 cement : 6 coarse sand)	22.00	One Cubic Metre		
22	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
a)	Cement mortar 1:4 (1 cement : 4 coarse sand)	39.00	One Square Metre		
23	Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry.	39.00	One Square Metre		
	<b>Sub-Head : Wood and P.V.C. Work</b>				
24	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia. & length (hold fast lugs or dash fastener shall be paid for separately).				
a)	Second class teak wood	0.13	One Cubic Metre		

## DNIT

25	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters :				
a)	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	6.50	One Square Metre		
26	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets :				
a)	20 mm dia (heavy type)	4.50	One Metre		
27	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	18.00	Each		
28	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm) with double speed adjustment with necessary accessories and screws etc. complete.	3.00	Each		
29	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :				
a)	300x16 mm	1.00	Each		
b)	250x16 mm	2.00	Each		
30	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade with necessary screws etc. complete :				
a)	250x10 mm	4.00	Each		
b)	150x10 mm	2.00	Each		



## DNIT

31	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :				
a)	125 mm	8.00	Each		
b)	100 mm	2.00	Each		
32	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.				
a)	Twin rubber stopper	4.00	Each		
33	Providing and fixing bright finished brass 100 mm mortice latch and lock ISI marked with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc., complete.	1.00	Each		
34	Providing and Fixing, factory made, PVC door frame made of PVC extruded sections of size 75mm x 53 mm, having wall thickness 2.0mm ( $\pm$ 0.2mm). Both verticals sides of the frame reinforced with PVC profile of cross section size 28mm x 30mm x 2 mm thickness ( $\pm$ 0.2 mm) and 75 mm x 200 mm long, including reinforcing both ends of the top frame with PVC profile. PVC Door Frame and PVC reinforcement profile to be mitred cut jointed and fusion welded together, including providing and fixing 3 nos. of 125mm long stainless steel hinges to frame, fixing the frame with jamb with required nos. & sizes of anchor dash fastener, all complete as per manufacturer's specification and direction of engineer-in-charge.	5.00	One Running Metre		

## DNIT

35	Providing and fixing 37 mm thick factory made PVC Door shutter, styles and rails made of PVC hollow extruded printed and laminated section having overall dimension 115mm x 37mm with wall thickness 2 mm ( $\pm 0.2$ mm) with inbuilt beading on one side, the styles and rails mitred cut and joint at corners by inserting 2 nos. PVC profile reinforcement of size 75 mm x 200 mm long with cross section size of 28mm x 30mm having wall thickness 2 mm ( $\pm 0.2$ mm). Styles, rails and reinforcements to be fusion welded together.				
	Only hinge side vertical style to be reinforced with PVC profile reinforcement in full length. Printed and laminated PVC lock rail of size 110mm x 37mm having wall thickness 2 mm ( $\pm 0.2$ mm) to be welded horizontally with the vertical styles after inserting PVC profile reinforcement as in styles and rails, providing with PVC snap fit beading, panels of 100 x 20 mm printed & laminated and inserting 2 nos 6mm dia bright steel rod horizontally with both side threaded and tightened with check nuts and washers complete, all as per manufacturer's specification and direction of Engineer in charge.	1.30	One Square Metre		
36	Providing and fixing casement handle made of zinc alloyed (white powder coated) for uPVC casement window with necessary screws etc. complete.	44.00	Each		
37	Providing and fixing steel roller for uPVC sliding window with necessary screws etc. complete.	22.00	Each		
	<b>Sub-Head : Steel Work</b>				
38	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	1990.00	One Kilogram		
39	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
a)	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	277.00	One Kilogram		

## DNIT

40	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge.( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)	65.00	One Kilogram		
<b>Sub-Head : Flooring</b>					
41	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete	14.50	One Square Metre		
42	Providing and laying Ceramic glazed floor tiles of size 300x300 mm(thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement :4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc.,, complete.	3.50	One Square Metre		
43	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08%and conforming to IS : 15622 , of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.				

## DNIT

a)	Size of Tile 600x600 mm	65.00	One Square Metre		
<b>Sub-Head : Roofing</b>					
44	Extra for providing and fixing wind ties of 40x 6mm flat iron section.	56.00	One Running Metre		
45	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion,				
	(i)Single socketed pipes.				
a)	110 mm diameter	10.00	One Running Metre		
46	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS :5382 leaving 10 mm gap for thermal expansion.				
a)	Single tee with door				
(i)	110x110x110 mm	1.00	Each		
b)	Single tee without door				
(i)	110x110x110 mm	2.00	Each		
c)	Bend 87.5°				
(i)	110 mm bend	3.00	Each		
47	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hardwood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
a)	110 mm	4.00	Each		

## DNIT

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48	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm ( + 0.05 %), total coated thickness with zinc coating 120 gm per sqm as per IS:277 in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	100.00	One Square Metre		
49	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 gm per sqm as per IS: 277 in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
a)	Ridges plain (500 - 600mm).	9.50	One Running Metre		

50	<p>Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main 'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x 28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to form grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size (24x24x3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified edges calcium silicate ceiling tiles of approved texture in the grid, including, cutting/ making opening "for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required.</p>				
	<p>Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200 mm centre to centre along main 'T', bottom exposed with 24 mm of all T sections shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings and as directed by Engineer-in-Charge.</p>				
	<p>Note :- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/ opening (cut outs) having area less than 0.30 sqm. The calcium silicate ceiling tile shall have NRC value of 0.50 (Minimum), light reflection &gt; 85%, non- combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity &lt;0.043 w/mK.</p>	60.00	One Square Metre		

## DNIT

51	Providing and Fixing unplasticised PVC moulded fittings such as cowl for unplasticised rigid PVC rain water pipe.a) of 110mm dia	1.00	Each		
	<b>Sub-Head : Finishing</b>				
52	12 mm cement plaster of mix :				
a)	1:6 (1 cement: 6 coarse sand)	186.00	One Square Metre		
53	15 mm cement plaster on rough side of single or half brick wall of mix :				
a)	1:6 (1 cement: 6 coarse sand)	140.00	One Square Metre		
54	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6mm thick cement plaster 1:6 (1 cement: 6 fine sand).	20.00	One Square Metre		
55	Distemping with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.				
a)	Two or more coats on new work.	270.00	One Square Metre		
56	Finishing walls with Acrylic Smooth exterior paint of required shade :				
a)	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm).	195.00	One Square Metre		
57	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
a)	Two or more coats on new work.	30.00	One Square Metre		
58	French spirit polishing :				
a)	Two or more coats on new works including a coat of wood filler.	16.00	One Square Metre		
	<b>Sub-Head : Dismantling and Demolishing</b>				
59	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				

## DNIT

a)	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	2.00	One Cubic Metre		
<b>Sub-Head : Road Work</b>					
60	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	3.00	One Cubic Metre		
61	Providing and laying in position bitumen hot sealing compound for expansion joints etc.				
a)	Using grade 'A' sealing compound.	100.00	Per cm depth per cm width per m length		
<b>Sub-Head : Sanitary Installations</b>					
62	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
a)	W.C. pan with ISI marked white solid plastic seat and lid	1.00	Each		
63	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
a)	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps.	1.00	Each		
64	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	1.00	Each		
65	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
a)	Semi rigid pipe				
(i)	32 mm dia	1.00	Each		



## DNIT

66	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1.00	Each		
67	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	1.00	Each		
68	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.				
a)	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	1.00	Each		
<b>Sub-Head : Water Supply</b>					
69	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. : Internal work - Exposed on wall				
a)	25 mm nominal outer dia .Pipes.	23.00	One Running Metre		
70	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. :Concealed work, including cutting chases and making good the walls etc.				
a)	20 mm nominal outer dia .Pipes.	10.00	One Running Metre		

## DNIT

71	Providing and fixing uplasticised PVC connection pipe with brass unions :				
a)	45 cm length				
(i)	15 mm nominal bore	2.00	Each		
72	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.				
a)	Circular tank	500.00	One Litre		
73	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.				
a)	15 mm nominal bore.	1.00	Each		
74	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
a)	15 mm nominal bore.	2.00	Each		
75	Providing and fixing PTMT grating of approved quality and colour.				
a)	Circular type.				
(i)	100 mm nominal dia.	1.00	Each		
76	Providing and fixing PTMT soap Dish Holder having length of 138 mm, breadth 102 mm, height of 75 mm with concealed fitting arrangements. Weighing not less than 106 gms.	1.00	Each		
77	Providing & fixing pvc gate valve of approved quality all complete as per the direction of EIC. a)25 mm nominal bore	2.00	Each		
78	Providing and fixing PVC union in New PVC pipe including cutting and threading the pipe and making good all complete as per the direction of E-I-C. c)25mm dia	2.00	Each		
79	Providing and fixing Health fauct hand shower with chord for EWC pan of Parryware make or eqv. all complete as per the direction of E-I-C.	1.00	Each		
	<b>Sub-Head : Drainage</b>				
80	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design:				

## DNIT

a)	100 mm diameter S.W. pipe	17.00	One Running Metre		
81	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size),foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
a)	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				
(i)	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3.00	Each		
82	Extra for depth for manholes				
a)	Size 90x80 cm				
(i)	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	0.50	One Running Metre		
83	Providing and laying unplasticised Rigid PVC pipes conforming to IS:13592 Type-A,i/c jointing with seal ring cofirming to IS:5382 for sewer line.a) single socketed pipe of 110mm dia	20.00	One Metre		
<b>Sub-Head : Aluminium Work</b>					

## DNIT

84	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
a)	For fixed portion				
(i)	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	200.00	One Kilogram		
b)	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately).				
(i)	Powder coated aluminium (minimum thickness of powder coating 50 micron)	100.00	One Kilogram		
85	Providing and fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS:12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
a)	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	8.00	One Square Metre		

## DNIT

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86	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
a)	With float glass panes of 4.0 mm thickness	13.00	One Square Metre		
b)	With float glass panes of 5.50 mm thickness	8.00	One Square Metre		

**For & on behalf of the Bharat Sanchar Nigam Limited**

CONTRACTOR

Executive Engineer(C)  
BSNL Civil Division  
Bhubaneswar