



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

**TENDER DOCUMENT**

**e-Tender**

NIT No. 21/NIT/CECTSCZ/HYD/2024-25 Date : 03.06.2024

**Name of work: Repair & renovation of toilets, replacing of water supply and sanitary installations, internal repairs, annual maintenance and miscellaneous civil works at Telephone Bhavan, Saifabad, Hyderabad.**

Executive Engineer (Civil), BSNL CIVIL Division-II  
Room No 703, 7<sup>th</sup> floor, D.No 5-9-25,  
HILL FORT ROAD, ADARSHNAGAR, HYDERABAD-500 063  
Ph.No 040- 23266704  
Email: [eciiihyds@gmail.com](mailto:eciiihyds@gmail.com)

NAME OF TENDERER : .....

NAME OF WORK : **Renovation of toilets, replacing of water supply and sanitary installations, internal repairs, annual maintenance and miscellaneous civil works at Telephone Bhavan, saifabad, Hyderabad**

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This N.I.T. / agreement contains ( 60 only) pages marked as 1 to 60.

“General Condition of Contract-2006” including correction slips no. 1, 2 , 3, 4 , 5,6 & 7 for works in BHARAT SANCHAR NIGAM LIMITED available on website: [“https://telangana.bsnl.co.in/works/GCCRevised2006.pdf”](https://telangana.bsnl.co.in/works/GCCRevised2006.pdf) Shall form the part of this tender and may be treated as annexed to it.

EXECUTIVE ENGINEER CIVIL,  
BSNL CIVIL DIVISION-II, HYDERABAD.

Notice Inviting e-Tender

The Executive Engineer (Civil), BSNL CIVIL DIVISION-II, Hyderabad, on behalf of Bharat Sanchar Nigam Limited invites, **item rate e-tender** for the work of **“Repair & renovation of toilets, replacing of water supply and sanitary installations, internal repairs, annual maintenance and miscellaneous civil works at Telephone Bhavan, Saifabad, Hyderabad.”**.

NIT No : **21/NIT/CETSCZ/HYD/2024-25** DATE: **03.06.2024**

Estimated Cost : **Rs 1,41,19,991/-**

Earnest Money : **Rs. 2,82,400/-**

Tender Cost/Cost of bid : **Rs 1180/-**

Period of Completion : **6 Months**

Last Time and Date  
of Submission of on line bid : **1 8 .00 hours on 15.06.2024.**

Last Time and Date  
of Submission of  
Physical EMD&Cost of Tender : **15.00 hours on 18.06.2024.**

The bid forms and other details  
can be obtained from the website <https://etenders.gov.in/e procure/app>

Executive Engineer (Civil)  
BSNL Civil Division - II, Hyderabad

*IMPORTANT INSTRUCTIONS TO ALL BIDDERS FOR e-TENDERING*

1. The intending bidder must read the terms and conditions of BSNL W-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required. Please go through the directives carefully. Any lapse / departure may lead to
  - a) Rejection of your tender and / or
  - b) Forfeiture of your earnest money / and or
  - c) Cancellation of your registration and / or
  - d) Debarring you from future tenders
2. The Standard Form (The General Conditions of Contract for Civil Works 2006) (amended upto date) shall form part of the agreement, to be drawn and signed by the both parties, after acceptance of tender. The Standard Form shall be available in downloadable manner from website <https://telangana.bsnl.co.in/works/GCCRevised2006.pdf>
3. Information and instructions for bidders posted on website <https://eprocure.gov.in> shall form part of bid document. If not registered, the intending bidders should get themselves registered in the e-Procurement system maintained by NIC i.e Central Public Procurement Portal.
4. The bid can only be submitted after uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker's Cheque or Deposit at call Receipt or Fixed deposit receipts or Online paid acknowledgment receipt (auto generated) having UTR number etc towards cost of bid document and EMD in favour of "Accounts Officer (Cash), O/o PGMT, BSNL, HTD-BA" and Other Credential documents as specified. However, self-certified copy of all the scanned and uploaded documents as specified in e tender notice shall have to be submitted physically by the lowest bidder within a week in the %EE(Civil), CD-II, Hyderabad.
5. Those contractors who are not registered on the website mentioned above, are required to get registered beforehand.
6. The intending bidder must have valid Class-III digital signature to submit the bid.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. Contractor can upload documents in the form of JPG format and PDF format.
9. Contractors shall quote rates for each item. If any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
10. Conditional tender shall be rejected.
11. The tenderer should read carefully & understand the Additional Conditions, Additional Specifications and Particular Specifications, Schedule of Quantity, drawings etc attached with the tender document available in the O/o EE(Civil) before actually quoting rates for the work.

12. Quoted rates shall deem to include cost of all materials, labour, operations, goods and service taxes and any other contingent item described in items, specifications etc. For Goods and service tax please refer conditions in schedule-F.
13. The rates quoted shall include all taxes, GST, CWWC, royalty, seignior age charges, EPF etc. that are applicable from time to time as per statutory rules of State / Central Government.
14. ON GST
- a) The bidder shall quote rates including all taxes viz. GST, Construction Workers Welfare Cess etc., as applicable on the date of opening of the tender.
  - b) Intending bidders shall supply goods & services against the GSTN number of the state as specified in the GST registration.
  - c) GST Invoice in prescribed format shall be submitted as per GST Act for all RA bills Final bill.
  - d) Payment to the contractor shall be made only after uploading the Invoice in GSTN. The contractor shall submit the invoices (Running/ final bill of quantities) along with the proof of uploading.
  - e) The intending bidders shall accept the debit / credit note whenever / wherever there is a change in the value of supplies made to BSNL and upload the same in GSTN
  - f) It is mandatory to upload scanned copies of all the documents including Certificate of Registration for GST. If these documents are not uploaded, then the bid will become invalid and shall summarily be rejected.
15. General
- These Special Instructions (for e-Tendering) supplement 'Instruction to Bidders', as enclosed in Part A of the Tender Documents. Submission of Bids only through an online process is mandatory for this Tender.
- For conducting electronic tendering, BSNL Civil Zone, Telangana is using the portal (<https://etenders.gov.in/eprocure/app>) as per the Govt of India guidelines
1. Tender Bidding Methodology:
 

Sealed Bid System –(number of) Stages - Using Single stage - Two Envelopes',

In case of two envelope system, Financial & Techno-commercial bids shall be submitted by the bidder at the same time.
  2. **Broad outline of activities** from Bidders prospective:
    - a. Procure a Digital Signing Certificate(DSC)
    - b. Register on Electronic Tendering System®(ETS)
    - c. Create Users and assign roles on ETS
    - d. View Notice Inviting Tender (NIT) on ETS
    - e. Download Official Copy of Tender Documents from ETS
    - f. Clarification to Tender Documents on ETS
      - i. Getting clarifications from Tender Inviting Authority (Optional)
      - ii. View response to queries posted by Tender Inviting Authority, as addenda.
    - g. Bid-Submission on ETS

- h. Attend Public Online Tender Opening Event (TOE) on ETS Opening of Techno-commercial Part
- i. View Post-TOE Clarification posted by Tender Inviting Authority on ETS (Optional) Respond to BSNL's Post-TOE queries
- j. Attend Public Online Tender Opening Event (TOE) on ETS Opening of Financial-Part (Only for Technical Responsive Bidders)

### 3. Digital Certificates

For integrity of data and its authenticity/ non-repudiation of electronic records, and be compliant with IT Act 2000, it is necessary for each user to have a Digital Certificate (DC). also referred to as Digital Signature Certificate (DSC), of **Class III**, issued by a Certifying Authority (CA) licensed by Controller of Certifying Authorities (CCA) [refer <http://www.cca.gov.in>].

### 4. Registration

To use the Electronic Tender® portal (<https://etenders.gov.in/eprocure/app>), vendor needs to register on the portal. Registration of each organization is to be done by one of its senior persons who will be the main person coordinating for the e-tendering activities. In ETS terminology, this person will be referred to as the Super User (SU) of that organization. For further details, please visit the website/portal, and click on the 'Supplier Organization' link under 'Registration' (on the Home Page), and follow further instructions as given on the site.

Pay Annual Registration Fee as applicable.

Note: After successful submission of Registration details and Annual Registration Fee (as applicable). Please contact NIC Helpdesk (as given below), to get your registration accepted/activated.

NIC Helpdesk	
Telephone	+91 0120-4493395, +91 0120-4001002, +91 0120-4001005
E-mail ID	Technical: support-eproc@nic.in

BSNL Contact-1	
BSNL's Contact Person	Dr S Gangaram, Executive Engineer (C)
Telephone/ Mobile	9490177288. [between 10:00 hrs to 17:30 hrs on working days]
E-mail ID	eeceiihydts@gmail.com

BSNL Contact-2	
BSNL's Contact Person	Shri K Sunil Solomon, SDE(C).
Telephone/ Mobile	9490794089 [between 10:00 hrs to 17:30 hrs on working days]
E-mail ID	sunilolomon72@gmail.com

## 5. Bid related Information for this Tender (Sealed Bid)

The entire bid-submission would be online on ETS. Broad outline of submissions are as follows:

- Submission of Bid Security/ Earnest Money Declaration
- Submission of digitally signed copy of Tender Documents/ Addendum/addenda
- Two Envelopes
- Techno-commercial-Part
- Financial-Part

## 6. Special Note on Security of Bids

Security related functionality has been rigorously implemented in ETS in a multi-dimensional manner. Starting with 'Acceptance of Registration by the Service Provider', provision for security has been made at various stages in Electronic Tender's software. Security related aspects as regard Bid Submission are outlined below:

As part of the Electronic Encrypter™ functionality, the contents of both the 'Electronic Forms' and the 'Main-Bid' are securely encrypted using a Pass-Phrase created by the Bidder himself. Unlike a 'password', a Pass-Phrase can be a multi-word sentence with spaces between words (e.g. I love this World). A Pass-Phrase is easier to remember, and more difficult to break. It is recommended that a separate Pass-Phrase be created for each Bid-Part. This method of bid-encryption does not have the security and data-integrity related vulnerabilities which are inherent in e-tendering systems which use Public-Key of the specified officer of a Buyer organization for bid-encryption. Bid-encryption in ETS is such that the Bids cannot be decrypted before the Public Online Tender Opening Event (TOE), even if there is connivance between the concerned tender-opening officers of the Buyer organization and the personnel of e-tendering service provider.

Typically, 'Pass-Phrase' of the Bid-Part to be opened during a particular Public Online Tender Opening Event (TOE) is furnished online by each bidder during the TOE itself, when demanded by the concerned Tender Opening Officers who will open the bid. Else Tender Opening Officer may authorize the bidder to open his bid himself.

There is an additional protection with SSL Encryption during transit from the client-end computer of a Supplier organization to the e-tendering server/portal.

### Public Online Tender Opening Event (TOE)

ETS offers a unique facility for 'Public Online Tender Opening Event (TOE)'. Tender Opening Officers as well as authorized representatives of bidders can attend the Public Online Tender Opening Event (TOE) from the comfort of their offices. For this purpose, representatives of bidders (i.e. Supplier organization) duly authorized are requested to carry a Laptop and Wireless Connectivity to the Internet.

Every legal requirement for a transparent and secure 'Public Online Tender Opening Event (TOE)' has been implemented on ETS. As soon as a Bid is decrypted with the corresponding 'Pass-Phrase' as submitted online by the bidder himself (during the TOE itself), salient points of the Bids are simultaneously made available for downloading by all participating bidders. The work of taking notes during a manual 'Tender Opening Event' is therefore replaced with this superior and convenient form of 'Public Online Tender Opening Event (TOE)'.

ETS has a unique facility of 'Online Comparison Chart' which is dynamically updated as each online bid is opened. The format of the chart is based on inputs provided by the Buyer for each Tender. The information in the Comparison Chart is based on the data submitted by the Bidders in electronic forms. A detailed Technical and/ or Financial Comparison Chart enhances Transparency. Detailed instructions are given on relevant screens. ETS has a unique facility of a detailed report titled 'Minutes of Online Tender Opening Event (TOE)' covering all important activities of 'Online Tender Opening Event (TOE)'. This is available to all participating bidders for 'Viewing/ Downloading'.

There are many more facilities and features on ETS. For a particular tender, the screens viewed by a Supplier will depend upon the options selected by the concerned Buyer.

**NOTE:** In case of internet related problem at a bidder's end, especially during 'critical events' such as - a short period before bid-submission deadline, during online public tender opening event, during e-auction, it is the bidder's responsibility to have backup internet connections. In case there is a problem at the e-procurement/ e-auction service-provider's end (in the server, leased line, etc) due to which all the bidders face a problem during critical events, and this is brought to the notice of BSNL by the bidders in time, then BSNL will promptly re-schedule the affected event(s).

## 7. Other Instructions

For further instructions, the vendor should visit the home-page of the portal (<https://etenders.gov.in/eprocure/app>), and go to the User-Guidance Center. The help information provided through 'ETS User-Guidance Center' is available in three categories - Users intending to Register / First-Time Users, Logged-in users of Buyer organizations, and Logged-in users of Supplier Organizations / intending bidders. Various links are provided under each of the three categories.

**Note:** It is strongly recommended that all authorized users of Supplier organizations / intending bidders should thoroughly peruse the information provided under the relevant links, and take appropriate action. This will prevent hiccups, and minimize teething problems during the use of ETS.

### **8. The following 'FOUR KEY INSTRUCTIONS for BIDDERS' must be assiduously adhered to:**

1. Obtain individual Digital Signing Certificate (DSC or DC) well in advance of your first tender submission deadline on ETS.
2. To Register on ETS well in advance of your first tender submission deadline on ETS
3. Get trained on ETS well in advance of your first tender submission deadline on ETS
4. Submit the bids well in advance of tender submission deadline on ETS as there could be last minute problems due to internet timeout, breakdown, etc.

While the first three instructions mentioned above are especially relevant to first-time users of ETS, the fourth instruction is relevant at all times.

## 9. Minimum Requirements at Bidders end



- Computer System with good configuration (Min P IV, 1 GB RAM, Windows XP)
- Broadband connectivity.
- Microsoft Internet Explorer 6.0 or above
- Digital Certificate(s) for users.

16. List of Documents to be scanned and uploaded within the period of bid submission

- a) Demand draft/Pay order or Banker's Cheque/Deposit at Call Receipt/FDR of any Scheduled Bank or **any acknowledgement receipt (auto generated) having UTR number etc if paid online** against **Earnest Money Deposit**.
- b) Demand draft/Pay order or Banker's Cheque of any Scheduled Bank or **any acknowledgement receipt (auto generated) having UTR number etc if paid online** towards **cost of Bid document**.
- c) Valid Enlistment order of the contractor (As per applicability).
- d) Certificates of Work Experience (As per applicability).
- e) Undertaking of no near relative as stipulated under Clause 13 of NIT
- f) Valid EPF registration certificate.
- g) GST registration.
- h) Declaration for online BID
- i) Power of attorney if applicable.



**भारत संचार निगम लिमिटेड**  
(भारत सरकार का उपक्रम)  
**BHARAT SANCHAR NIGAM LIMITED**  
(A Govt. of India Enterprise)

**B.S.N.L.W-6**

**NOTICE INVITING e- TENDER**

**NIT No: 21/NIT/CETSCZ/HYD/2024-25 DATE: 03.06.2024**

**1.0** Item rate e-tenders are invited on behalf of **BHARAT SANCHAR NIGAM LIMITED (A Government of India Enterprise)** from approved and eligible contractors of D.O.T/ BSNL and Non BSNL contractors, registered with Public Works Organizations like CPWD, Telangana State PWD(B&R), DOP, MES & Railways, provided they produce proof of their valid enlistment, GST registration & EPF registration with the appropriate authorities for the work of :-

Name of work	Estimated cost	E.M.D	Period of completion
Repair & renovation of toilets, replacing of water supply and sanitary installations, internal repairs, annual maintenance and miscellaneous civil works at Telephone Bhavan, Saifabad, Hyderabad.	Rs 1,41,19,991/-	Rs. 2,82,400/-	6(Six) Months

1.1 Criteria of eligibility for Non-BSNL registered contractors of Public Works Organizations like CPWD, Telangana State PWD (B&R), DOP, MES & Railways only are as follows.

1.1.1 The applicant should have completed works as per details below during the last seven years ending last day of the month previous to the one in which the tenders are invited.

- Three similar completed works each costing not less than the amount equal to **40% of estimated cost i.e, ₹ 56,47,996/-**  
or
- Two similar completed works each costing not less than the amount equal to **50% of estimated cost i.e, ₹ 70,59,996/-**  
or
- One similar completed works costing not less than the amount equal to **80% of estimated cost i.e, ₹ 1,12,95,993/-**

Similar work means “**original Building works or Repairs & renovation of buildings including Sanitary and water supply services**”. 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. **The similar work can be part of the composite building work. Above works should have been carried out for Central/State Government/ Central or State Public Sector Undertakings.** The experience certificate given by an officer not below the rank of Executive Engineer shall indicate clearly 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 authorized signatory/ authority and shall be in original / self-attested.

- 2.0 2.0 Agreement shall be drawn with the successful Tenderer on prescribed Form No. BSNL- W7/8, which is available as a BSNL Publication/ on BSNL Web site <https://telangana.bsnl.co.in/works/GCCRevised2006.pdf>. Tenderer shall quote his rates as per various terms and conditions contained in the General conditions of contract for Civil works 2006 (as amended upto date) (Available on web site mentioned above duly superseded by additional conditions / specifications attached with tenders document which shall form part of this document).
- 3.0 The time allowed for carrying out the work will be **6 (Six) months** from the 7th day after the date of issue of letter of award of work, or from the first day of handing over of the site whichever is later, in accordance with phasing, if any , indicated in the Tender Document.
- 4.0 The Site is available with BSNL (OR) The site for the work shall be made available in parts
- 5.0 The bid document (**Tender documents**) consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with by the contractor whose tender may be accepted and other necessary documents along with Standard General Conditions of Contract Form can be seen on website <https://etenders.gov.in/eprocure/app> / [www.telangana.bsnl.co.in](http://www.telangana.bsnl.co.in) .
- 6.0 The intending bidder has to fill all the Bank transaction details such as Banker's name, Demand Draft/Fixed Deposit Receipt /Pay Order/ Banker's Cheque/Bank Guarantee number, amount and date and UTR number(if paid on line) while submitting online bid for the following.
- 7.0 **Details for submission of online tender:-**
- (i) **Tender Cost/Cost of Bid (Non refundable)** - in the form of Demand draft amounting to **Rs. 1180/-** drawn in favour of **Accounts Officer (Cash), O/o PGMT, BSNL, Hyderabad-BA.**  
 Receipt of deposition of Original EMD may be obtained from Executive Engineer(civil), CD-II, Hyderabad or his authorized subordinate Executive. **EMD can also be paid through on line payment to the account of the Accounts Officer .Account Details are as below:**
- |                                  |   |
|----------------------------------|---|
| <b>Name of Account</b>           | <b>: AO (Cash) BSNL</b>   |
| <b>Account no</b>                | <b>: 05331110003226</b>   |
| <b>Name of Bank &amp; Branch</b> | <b>: Union Bank (Erstwhile Andhra Bank), Saifabad Branch<br/>Secretariat Road, Hotel Sarovar Complex, Hyderabad</b> |
| <b>IFSC code</b>                 | <b>: UBIN0805335</b>  |
- (ii) **EMD** -amounting to Rs. **2,82,400/- (Rupees Two Lakh Eighty Two Thousand Four Hundred only)** . **Earnest Money** can be paid in the form of Demand Draft / Pay order / Banker's cheque/ Deposit at Call receipt / Fixed deposit receipts of a scheduled bank issued in favour of **Accounts Officer (Cash), O/o PGMT, BSNL, Hyderabad-BA** along with Bank Guarantee of any Scheduled Bank wherever applicable. When amount of earnest money is more than Rs. 5 lakhs, part of the earnest money is acceptable in the form of Bank Guarantee also. In such case, minimum 50% of earnest money (but not less than Rs. 5 lakh) or Rs. 25 lakh, whichever is less, will have to be deposited in the shape prescribed above. For balance amount of earnest money, bank guarantee will  
 Contractor / EE(Civil)

also be acceptable.

Receipt of deposition of Original EMD may be obtained from Executive Engineer(civil)-II, Hyderabad or his authorized subordinate Executive. **EMD can also be paid through on line payment** to the account of the **Accounts Officer** .Account Details are as below:

**Name of Account : AO (Cash) BSNL**  
**Account no : 05331110003226**  
**Name of Bank & Branch : Union Bank (Erstwhile Andhra Bank), Saifabad Branch**  
**Secretariat Road, Hotel Sarovar Complex, Hyderabad**  
**IFSC code : UBIN0805335**

(iii) Copy of Enlistment Order and certificate of work experience and other documents as specified in the tender document and **Cost of Tender& EMD** shall be scanned and uploaded to the e-Tendering website within the period of bid submission. **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 online bid as notified.**

(iv)The last date of submission of bid through online is **upto 18:00 hours on 15.06.2024.**

(v) The date of submission of Physical **EMD** and **Cost of Tender** (after submission of online bid) (**if not paid online**) will be **upto 15:00 hrs on 18.06.2024.**  
**(To be submitted to Executive Engineer (civil), CD-II, Hyderabad, 7<sup>th</sup> floor, BSNL Bhavan, Adarshnagar, Hyderabad)**

(vi)The date of opening of technical bid will be at **15:30 hrs on the 18.06.2024.**  
**(Technical bid will be opened by the Nodal officer(Tenders) at office of Executive Engineer (civil), Civil division-I, 7<sup>th</sup> floor, BSNL Bhavan,Adarshnagar, Hyderabad)**

(vii)The date of opening of financial bid will be notified online after evaluation of Technical bids  
 (Financial bid/Price bid will be opened by the Nodal officer (Tenders) at office of Executive Engineer(civil), Civil division-I, 7th floor, BSNL Bhavan, Adarshnagar, Hyderabad)

(viii) Online financial bid submitted by intending bidders shall be opened only of those bidders, whose Earnest Money Deposit and Tender cost/Cost of Bid and other eligibility credentials are found in order.

(ix) The bid submitted shall become invalid and cost of bid shall not be refunded if:

(i) The bidder is found ineligible.

(ii) The bidder does not upload scanned copies of all the documents stipulated in the tender document.

(iii) If any discrepancy is noticed between is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of Executive Engineer (Civil), CD-I, Hyderabad.

(x) In case the eligibility credentials are not found in order at any stage i.e. before award of work or during execution of the work or after completion of the work, the contractor will be debarred from tendering in BSNL for three years including any other action under the contract or existing law.

- 8 The description of the work is as follows : **“REPAIR & RENOVATION OF TOILETS, REPLACING OF WATER SUPPLY AND SANITARY INSTALLATIONS, INTERNAL REPAIRS, ANNUAL MAINTENANCE AND MISCELLANEOUS CIVIL WORKS AT TELEPHONE BHAVAN, SAIFABAD, HYDERABAD.”**
- 9 Copies of other drawings and documents pertaining to the work will be open for inspection by the tenderers at the office of the **EE(civil),CD-II, Hyderabad**. Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub- soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general, shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials tools & plants, water, electricity, access facilities for workers and on all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the BSNL and local conditions and other factors having a bearing on the execution of the work.
10. The competent authority on behalf of Bharat Sanchar Nigam Limited does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without assignment of a reason. Tenders, in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.
11. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
12. The competent authority on behalf of the Bharat Sanchar Nigam Limited reserves with himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
13. The company or firm or any other person shall not be permitted to tender for works in BSNL Civil Zone in which his near relative (s) (directly recruited or on deputation in BSNL) is/are posted in any capacity either non-executive or executive employee. Near relative (s) for this purpose is/are defined as:
- (i) Member of Hindu Undivided family (UHF).
  - (ii) They are Husband and Wife.
  - (iii) The one is related to other in the manner as father, mother, son(s) & Son's wife (daughter-in-law), Daughter(s), Daughter's husband (son-in-law), brother(s), brother's wife, sister(s), sister's husband (brother-in-law).

14. 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 given in page No. 17 and should be signed by the tenderer.**

The certificate in case of Proprietorship Firm shall be given by the proprietor; for Partnership Firm certificate shall be given by all partners and in case of Limited Company, by all Directors of the company. However, Government of India/Financial Institutions nominees and independent non-official part-time Directors appointed by Govt. of India or the Governor of the State are excluded from the purview of submission of this certificate while submitting tenders by Limited Companies.

Any breach of these conditions by the Company or Firm or any other person, the tender/work will be cancelled and Earnest Money/ Security Deposit will be forfeited at any stage, whenever it is so noticed. BSNL will not pay any damages to the company or Firm or the concerned person but damages arising on account of such cancellation to be borne by the contractor. The Company or Firm or the person will also be debarred for further participation in the tender in the concerned BSNL Civil Zone. Further, any breach of this condition by the tenderer would also render him liable to be removed from the approved list of contractors or BSNL. If however the contractor is registered in any other Department he shall also be debarred from tendering in BSNL for any breach of this condition.

15. No Engineer of Gazetted rank or other Gazetted Officer employed in engineering or administrative duties in an Engineering Department of the Government of India/State Government or PSU's is allowed to work as a contractor for a period of one year after his retirement from Govt. service, without previous permission of the Govt. of India or BSNL in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Govt. of India / State Government or PSU's as aforesaid before submission of the tender or engagement in the contractor's service.

16. The tender for the work shall remain open for acceptance for a period of **75 days** from the date of opening of the tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance /intent, whichever is earlier, or, makes any modifications in the terms and conditions of the tender which are not acceptable to the BSNL, then the BSNL shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid.

17. In case of works having estimated cost below **Rs. 15,00,000/-**, the successful tenderer shall be required to execute an agreement with the Engineer-in-charge in the performa annexed to the tender document, within 15 days of the issue of letter of award by the BSNL. In the event of failure on the part of the successful tenderer to sign the agreement, the earnest money will be forfeited



and tender cancelled.

In case of works of estimated to cost Rs.15,00,000/- and above, the successful tenderer shall, upon issue of letter of acceptance of Tender, shall be required to furnish. Performance Guarantee @ 5% of the tendered value in the form of irrevocable Bank Guarantee of requisite amount to the Engineer-in-charge in the Performa annexed to the tender document, within 15 days of the issue of letter of acceptance of Tender by the BSNL. In the event of failure on the part of the successful tenderer to furnish the Bank Guarantee within **15 days**, the earnest money will be forfeited and tender cancelled.

18. This Notice Inviting Tender (BSNL W-6) shall form a part of the Contract Document in accordance with clause 1 of the contract, the letter of acceptance shall be issued first in favour of the successful Tenderer/ Contractor. After submission of the performance guarantee (**wherever applicable**), 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 and after issue of **PO in ERP**, the successful Tenderer/Contractor shall, within **30** days from such date, formally sign the agreement consisting of
  - a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender, and, as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
  - b) Standard BSNL W-7/8 as on website <https://telangana.bsnl.co.in/works/GCCRevised2006.pdf>
  - 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. The payments to contractors will compulsorily be made through ECS/EFT **in respect of all contracts**.
  
20. First running account bill shall be paid only after
  - a) signing of the Agreement/Contract by both the parties, and
  - b) Progress chart has been prepared as required under Clause 5 and approved by the competent authority.
  - c) Submission of Contractor's All Risk Insurance Policy.
  
21. General conditions of contract for works in BHARAT SANCHAR NIGAM LIMITED are available on website <https://telangana.bsnl.co.in/works/GCCRevised2006.pdf> as well as in the Divisional/ Sub divisional Office.

22. For e-Tendering of this tender , The agency intending to participate in tendering process shall have to register in the e-Procurement system maintained by NIC i.e Central Public Procurement Portal . For details kindly visit website <https://etenders.gov.in/eprocure/app> or [www.telangana.bsnl.co.in](http://www.telangana.bsnl.co.in)

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

*Executive Engineer (Civil)  
BSNL Civil Division-II,  
Hyderabad*



**DECLARATIONS TO BE GIVEN BY THE TENDERERS**

- a) I /We have gone through BSNL W-8 amended upto date correction slip, available on website [www.telangana.bsnl.co.in](http://www.telangana.bsnl.co.in) / and I/We agree with the terms and conditions of it and understood that it will form part of the agreement.
- b) I/we \_\_\_\_\_ S/O Sri\_ \_\_\_\_\_  
Resident of \_\_\_\_\_  
\_\_\_\_\_ hereby certify that none of my relative (s) as defined in para 14 of BSNL W-6 is/are employed in **Telangana Telecom Circle**. 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.
- c) I/we \_\_\_\_\_ S/O Sri\_ \_\_\_\_\_  
Resident of \_\_\_\_\_ hereby declare that, if I/we do not submit the physical bid document/Technical bid consecutively three times after submission of online bid. It shall be treated as breach of condition and action shall be taken to withdraw my/our enlistment. / debar me /us from tendering in BSNL for six months.

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

*Date:*

*Signature of Tenderer*

Other partners

1. \_\_\_\_\_ s/o \_\_\_\_\_ signature:

2. \_\_\_\_\_ s/o \_\_\_\_\_ signature:

3. s/o \_\_\_\_\_ signature:



BHARAT SANCHAR NIGAM LIMITED  
(A GOVERNMENT OF INDIA ENTERPRISE)

**GENERAL RULES AND DIRECTIONS**

1. All work proposed for execution by contracts will be notified in a form of invitation to tender duly signed by the officer inviting tender will be displayed on the notice board/ pasted in public places or by publication in News papers as the case may be and shall also be on the BSNL website [www.telangana.bsnl.co.in](http://www.telangana.bsnl.co.in) / <https://etenders.gov.in/eprocure/app> . This form will state the work to be carried out, as well as the date for receipt of application, the date of submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money to be deposited with the tender, and the amount of the security deposit to be deposited by the successful tenderer and the percentage, if any, to be deducted from the bills. Copies of the specifications, designs and drawings and any other documents, required in connection with the work signed for the purpose of identification by the officer inviting tender, shall also be open for inspection at the office of Executive Engineer (civil) during office hours.
2. In the event of the tender being submitted by a firm, it must be signed separately by each Partner thereof or by the partner(s) as specified in the partnership deed or by the person holding a power of attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act, 1932.
3. Receipts for payment made on account of work, when executed by a firm, must also be signed by all the partner(s) or by the partner(s) as specified in the Partnership Deed by the person holding a power of attorney authorizing him to give effectual receipts for the firm.
4. The Nodal officer (Tender) will open tenders in the presence of any intending contractors who may be present at the time. In the event of a tender being rejected, the earnest money shall thereupon be returned to the contractor, remitting the same, without any interest.
5. The officer inviting tenders i.e Executive Engineer (civil) and opening tenders i.e Nodal officer(Tender) shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.
6. The receipt of an accountant or clerk for any money paid by the contractor will not be considered as any acknowledgement of payment, to the officer inviting tender and the contractors shall be responsible for seeing that he procures a receipt signed by the Executive Engineer© for original EMD instrument and original Tender cost instrument.

7. The tenderers shall sign a declaration under the officials Secret Act 1923, for maintaining secrecy of the tender document, drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them.
8. In the event of no rate has been quoted for any item(s) then the rate for such item(s) will be considered as zero and work will be required to be executed accordingly. It will be presumed that the contractor has included the cost of this/ these item(s) in other item(s).
9. In case of any tender where unit rate of any item / items appear unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation such a tender is liable to be disqualified and rejected.
10. The contractor whose tender is accepted, for amount exceeding Rs. **15.00 Lakhs** (Rupees Fifteen Lakhs), will be required to furnish an **irrevocable PERFORMANCE GUARANTEE** mentioned elsewhere in the Contract for his proper performance of the contract agreement, (not withstanding and/or without prejudice to any other provisions in the contract) within 15 days of issue of letter of Acceptance of Tender. This guarantee shall be in the form of Fixed Deposit receipts or Guarantee Bonds of a Scheduled Bank or State Bank of India.

The contractor shall permit BSNL at the time of making any payment to him for work done under the contract to deduct a sum at the rate of 5% of gross amount of each running bill till the sum along with the sum already deposited as earnest money, will amount to security deposit of 5% of the tendered value of the work. Such deductions will be made and held by BSNL by way of Security Deposit unless he/they has / have deposited the amount of Security at the rate mentioned above in form of Demand draft / Baker's Cheque / Deposit at call receipt of a Scheduled Bank or State Bank of India in accordance with the form annexed hereto.

In case of works with estimated cost put to tender is up-to and including Rs. 15.00 Lakhs (Rupees Fifteen lakhs) **the total security deposit deducted shall be 10% (Ten percent)** instead of 5% (Five percent) of the tendered value of the work. Security Deposit shall be recovered @ 10% of gross amount of each running bill till the sum along with the sum already deposited as earnest money, will amount to security deposit of 10% of the tendered value of the work.

11. On acceptance of the tender, the name of accredited representative(s) of the contractor, who would be responsible for taking instructions from the Engineer-in-charge, shall be communicated in writing to the Engineer-in-Charge.
12. GST, turnover tax or any other tax on material in respect of the contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same.
13. 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.

14. The tender for the work shall not be witnessed by a contractor or a contractor who himself / themselves has/have tendered or who may and has /have tendered for the same work. Failure to observe this condition would render, the tender of the contractors, tendering, as well as witnessing the tender, liable to summary rejection.
15. The tender for composite work includes in addition to building work all other works such as sanitary and water supply installations, drainage installation, electrical work, horticulture work, roads and paths etc. The tenderer apart from being a registered contractor of appropriate class, must associate himself with agencies of appropriate class, which are eligible to tender for sanitary and water supply drainage, electrical and horticulture works in the composite tender.
16. The contractor shall submit list of works which are in hand (progress) in the following form:-

Name of work	Name and particulars of division where work is being executed	Value of work	Position of work in progress	Remarks
1	2	3	4	5

17. The contractor shall comply with the provision of the Apprentices Act 1961, and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of the contract and the Superintending Engineer(C), may in his discretion, without prejudice to any other right or remedy, available in law, cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provision of the said Act.

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**ABRIDGED FORM BSNL W-7/8**  
**BHARAT SANCHAR NIGAM LIMITED**  
**(A Government of India Enterprise)**

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STATE – TELANGANA

BSNL CIVIL ZONE, TELANGANA

BSNL CIVIL DIVISION, HYDERABAD-II

ZONE – TELANGANA

BSNL CIVIL SUBDIVN-IV, HYDERABAD

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**Item Rate Tender & Contract for Works**

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- A. Tender for the work of : **Repair & renovation of toilets, replacing of water supply and sanitary installations, internal repairs, annual maintenance and miscellaneous civil works at Telephone Bhavan, Saifabad, Hyderabad.**

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**T E N D E R**

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

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

I/We agree to keep the tender open for 75 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 B.S.N.L., then the BSNL shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as afore said.

A sum of Rs. 2,82,400/- (Rupees two Lakh Eighty two Thousand Four hundred 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.

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

Contractor / EE(Civil)

Guarantee within 15 days, the earnest money will be forfeited and tender cancelled.

I/We hereby intimate that for receiving payments I/We have an account in Bank with account No. where the ECS / NEFT facility of e-payment is available.

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.

“I/We agree that this contract is subject to jurisdiction of Court at **Hyderabad** only “. (Where the NIT/Tender has been issued).

Dated : .....

Witness : ..... (.....)

Address : ..... Signature of Contractor

Occupation : ..... 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 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 BSNL

Signature :

.....Dated : .....Designation : .....

## PROFORMA OF SCHEDULES

### 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"

"General Instructions, Additional Conditions, Additional Specifications etc" - enclosed

### SCHEDULE "E"

Schedule of component of Materials, Labour etc for escalation

*CLAUSE 10 C*

Component of Materials expressed as percent of Total Value of Work	"X"	75 %
Component of Labour expressed as percent of Total Value of Work	"Y"	25 %
Component of POL expressed as percent of Total value of Work	"Z"	0%

### SCHEDULE "F"

**Reference to General Conditions of Contract**

Name of Work	<b>“Repair &amp; renovation of toilets, replacing of water supply and sanitary installations, internal repairs, annual maintenance and miscellaneous civil works at Telephone Bhavan, Saifabad,</b>	
Estimated cost of Work	Rs 1,41,19,991/-	
Earnest Money	Rs. <b>2,82,400/-</b>	
<i>Performance Guarantee</i>		<i>Amount</i>
5 % of the tendered value in the form of Bank Guarantee from Scheduled Bank in respect of works with <b>estimated cost put to tender exceeding Rs. 15 Lakhs)</b>		Rs. _____ (Rupees _____ _____ <i>only</i> )
<b>Security deposit</b>		<b>Amount</b>
10 % of the tendered value for works with <b>estimated cost put to tender up to Rs. 15 Lakhs)</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		Rs. _____ (Rupees _____ <i>only</i> ) _____
<i>GENERAL RULES AND DIRECTIONS</i>		
Officers inviting tender		Nodal officer (Tender), %Sr.CE(Civil), Telangana Civil Zone, Hyderabad.
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		50%
<b>Definitions</b>		
2(v)	Engineer-in charge	Executive Engineer (Civil), <b>BSNL Civil Division-II, Hyderabad</b>
2(viii)	Accepting Authority	Sr.Chief Engineer (Civil), BSNL Telangana Civil Zone, Hyderabad
2(x)	Percentage on cost of materials and Labour to cover all overheads and profit	10 %
2(xi)	Standard Schedule of Rates	DELHI SCHEDULE OF RATES- 2021 PUBLISHED BY CPWD with up to date correction slips as on the date of opening of tenders
9(ii)	Standard BSNL Contract Form	BSNL W-7/8 (modified and corrected with upto date correction slips as on the date of opening of tenders)
<b>Clause 2</b>		



Authority for fixing compensation under Clause 2		Sr.Chief Engineer (Civil), BSNL Telangana Civil Zone, Hyderabad
Whether Clause 2A shall be applicable		NO
<b>Clause 3</b>		
Whether Clause 3A shall be applicable		NO
<b>Clause 5</b>		
i)	Time allowed for execution of work.	6 months
ii)	Authority to give fair and reasonable extension of time for completion of work.	Sr.Chief Engineer (Civil), BSNL Telangana Civil Zone, Hyderabad
<b>Clause 6</b>		
Whether Clause 6A shall be applicable		Yes
<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. Ten Lakhs
<b>Clause 10</b>		
Reinforcement steel to be used in the work shall have to be procured from:		a) Manufactured by primary producers e.g. SAIL, RINL, TISCO , VIZAG Steel etc.
<b>Clause 10 CA</b> (Adjustment for cement & Reinforcement & Galvanized Steel )		NO
Clause 10D( Increase in wages)		NO
<b>Clause 11</b>		
Specification to be followed for execution of work.		CPWD Specifications 2019 with up to date correction slips as on the date of opening of tenders.
<b>Clause 12</b>		
12.2 & 12.3	Limit for value of any item of any individual trade beyond which sub clauses (i) to (v) shall not be apply and clauses 12.2.& 12.3 shall apply.	50 %
<b>Clause 16</b>		
Competent authority for deciding reduced rates.		Superintending Engineer/ Jt. Chief Engineer/ Additional Chief Engineer, BSNL Civil Circle, Hyderabad.

<b>Clause 25</b>							
Competent authority for conciliation				Deleted.			
<b>Clause 36(i)</b>							
General guideline for fixing requirement of technical staff and rate of recovery in case of non-compliance, for a work, shall be as per the as per provision of CPWD Works Manual 2019.							
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
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
<b>Clause 37(i)</b>							
Extent of GST Tax payable by contractor for Building and Construction works : <b>Goods and Service Tax at Prevailing rate of 18% of Value of work shall be payable by the contractor. Any variation in the rate of GST after last date for submission of bid shall be payable to or recoverable from the contractor.</b>							
<b>The following recoveries from the contractor shall be made from the payment certificate at the rate specified below</b>							
i) Construction Workers Welfare Cess payable to state Government / Union Territory				1% of value of work			
ii) Income Tax				At Applicable rate			
<b>Clause 42</b>							
i)	Schedule / statement for determining theoretical quantities of cement & bitumen on the basis of Delhi Schedule of Rates 2021 Printed by CPWD with upto date correction slips as on the date of opening of tenders.						
ii)	Variation permissible on theoretical quantities						
a)	Cement for works with estimated costs put to tender						
	i) not more than Rs. 5 lakhs					3 % plus / minus	
	ii) more than Rs. 5 lakhs					2 % plus / minus	
b)	Steel reinforcement and structural steel sections for each diameter, section and category.					2 % plus / minus	

<b>Star Prices to be considered for Escalation and Recoveries.</b>		
Sl.No	Material	Star Price (Rate in Figures and Words)
1	For Cement	<b>Rs.5433/-</b> (Five Thousand four hundred thirty three only)/per Metric Ton
2(a)	For Reinforcement Steel conforming to BIS 1786 (Fe 415 Grade)	<b>Rs. 35892/-</b> (Thirty five Thousand Eight Hundred ninety two only)/ per Metric Ton
The rate for recovery under clause 42 shall be same as the star Price		

EXECUTIVE ENGINEER CIVIL,  
BSNL CIVIL DIVISION-II, HYDERABAD.

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# GENERAL INSTRUCTIONS

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1. The entire work shall in general conform to the C.P.W.D. Specifications for Works 2009 (Volume I & Volume II) with all correction slips issued up to date as on the date of opening of tenders and description in the Schedule of Quantities, additional conditions, special conditions, additional specifications, latest relevant Bureau of Indian Standard codes and the drawings.
2. All the above quoted documents shall be considered complementary to each other. However in case of conflict among the various provisions, the following order of precedence shall be followed.
  - a) Provision in nomenclature of item in schedule of quantities, including drawings, if any mentioned therein
  - b) Special Conditions.
  - c) Additional Conditions.
  - d) Additional Specifications.
  - e) C.P.W.D. Specifications.
  - f) Latest relevant B.I.S. codes
  - g) Drawings of the work not specifically mentioned in the nomenclature of the item.
  - h) The decision of the Engineer-in charge given in writing based on sound engineering practice and local usage shall be final and binding on the contractor
3. Where ever "C.P.W.D. Specification" is referred to in the tender documents, it shall mean "C.P.W.D. Specifications for Works 2019 with all up to date correction slips issued as on the date of opening of tenders".
4. Wherever any reference to any Indian Standard Specifications (B.I.S.) occurs in the documents relating to this contract, the same shall be inclusive of all upto date amendments or revisions.
5. Where ever "D.S.R." is referred to in the tender documents, it shall mean "C.P.W.D. Delhi Schedule of Rates 2021 with all up to date correction slips as on the date of opening of tenders".
6. 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).

EXECUTIVE ENGINEER CIVIL,  
BSNL CIVIL DIVISION-II, HYDERABAD.

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# ADDITIONAL CONDITIONS

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## GENERAL

The quoted rates for various items in the tenders shall be inclusive of all additional conditions and particular specifications and for adherence to all these conditions and specifications, no extra payment shall be made to the contractor. Any infringement and/or breach of these specification(s) and condition(s) etc. shall render the contractor liable to action(s) under various clauses of the contract and such action stipulated in conditions therein.

### “A” ADDITIONAL CONDITIONS

1. The contractor shall maintain safe custody of materials brought to the site. The Contractor shall also employ necessary watch and ward establishment for the work and other purposes as required at his own cost.
2. For Cement and Steel and other materials, as prescribed, the quantities brought at site shall be entered in the respective material at site accounts and shall be treated as issued for maintenance of daily consumption.
3. The procurement of Cement and Reinforcement Steel, and their issue and consumption shall be governed as per conditions laid down hereunder.

#### 3.1. Cement

- 3.1.1 The contractor shall procure 43 grade (Conforming to IS: 8112) Ordinary Portland cement, as required in the work, from reputed manufactures of cement, having a production-capacity of one million tonnes per annum or more, such as A.C.C., L&T, Vikram, Shri Cement and cement Corporation of India, Ultratech, Coromandal, Priya, Raasi, Nagarjuna etc. as approved by Ministry of Industry. Government of India, and holding license to use ISI certification mark for their product whose name shall be got approved from Engineer-in-Charge. Supply of cement shall be taken in 50 kg. Bags bearing manufacture's name and ISI marking. Sample of cement arranged by the contractor shall be taken by the Engineer-in-Charge and got tested in accordance with provisions of the relevant BIS codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in - Charge to do so.
- 3.1.2. The Cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer-in- charge.
- 3.1.3 The Cement godown of the capacity to store about 2000 bags of cement or as decide by the Engineer-in-charge shall be constructed by the contractor at site of work for which no extra payment shall be made. Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in -charge or his authorized representative and the key of other lock shall remain with the contractor. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-charge at any time.
- 3.1.4. The contractor shall supply free of charge the cement required for testing .The cost of tests shall be borne by the contractor/Department in the manner indicated below:

Contractor / EE(Civil)

- i. By the contractor, if the results show that cement does not conform to relevant BIS codes.
- ii. By the Department, if the results show that the cement conforms to relevant BIS codes.

### 3.2. STEEL

3.2.1. The contractor shall procure steel reinforcement bars conforming to relevant BIS codes from main producers as approved by the Ministry of steel or from secondary producers and re-rollers having BIS License to produce CTD bars as specified in Schedule -F subject to following stipulations:

- (i) If it is provided in the agreement that steel is to be procured from primary producers and procurement of steel from secondary producers is allowed then a deduction based on the difference in market rate of steel from primary producers and secondary producers shall be made in the running/ final bills.
- (ii) However, if the stipulation is for procurement of steel from secondary producers then if the contractor uses steel from primary producers the same shall be allowed but nothing extra shall be payable on this account.

The procurement of TMT Bars conforming to relevant BIS codes shall be made from main producers as approved by the Ministry of steel or from secondary producers having BIS License to produce TMT bars as specified in Schedule-F subject to following stipulations:

- (i) If it is provided in the agreement that steel is to be procured from primary producers and procurement of steel from secondary producers is allowed by Engineer -in- charge then a deduction based on the difference in market rate of steel from primary producers and secondary producers shall be made in the running/ final bills.
- (ii) However, if the stipulation is for procurement of steel from secondary producers then if the contractor uses steel from primary producers the same shall be allowed but nothing extra shall be payable on this account.

The contractor shall have to obtain and furnish test certificate to the Engineer -in- charge in respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer -in- charge as per the provisions in this regard in the relevant BIS codes. In case the test result indicate that the steel arranged by the contractor does not conform to BIS codes, the same shall stand rejected and shall be removed from the site of work within; a weeks' time from written order from the Engineer -in- charge to do so.

\*Deduction item made on account of use of steel from secondary producers instead of primary producers shall not be treated as sub standard work.

3.2.2. The steel reinforcement shall be brought to the site in quantity of lots as approved by the Engineer-in-charge.

3.2.3. The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes (diameters) and lengths shall be stored separately to facilitate easy counting and checking.

3.2.4. For steel procured from main producers or secondary producer, for checking nominal

mass, tensile strength, bend test, etc. specimen of sufficient length shall be cut from each diameter of the bar at random at frequency not less than that specified below. In case of works costing more than Rs 2 Crores and when the steel is procured from other than main producers, additional tests such as, retest, re-bend test, elongation test, proof stress may also be conducted.

Size (Diameter) of bar	For consignment	
	Below 100 tonnes	Over 100 tonnes
Under 10m dia.	One sample for each 25 tonnes or part thereof	One sample for each 40 tonnes or part thereof
10mm to 16mm dia.	One sample for each 35 tonnes or part thereof	One sample for each 45 tonnes or part thereof
Over 16mm dia.	One sample for each 45 tonnes or part thereof	One sample for each 50 tonnes or part thereof

3.2.5 The contractor shall supply free of charge the steel bars required for testing. The cost of tests shall be borne by the contractor/ Department in the manner indicated below:

- i. By the contractor, if the results show that the steel does not conform to relevant BIS codes.
- ii. By the Department, if the results show that the steel conforms to relevant BIS codes.

3.2.6 Coefficient of weight i.e. the weight per unit length of the steel procured by the contractor shall be ascertained at site before using it and certified by the Engineer-in-charge. In case weight per unit length is beyond the rolling margin as laid down in the BIS: 1786, the steel will be rejected and shall be removed from the site of work within; a week's time from written order from the Engineer-in - Charge to do so. In case weight per unit length is more than the standard coefficient of weight for the diameter, but is within the rolling margin, then the payment shall be made as per the standard weight per unit length, and, where the weight per unit length is lesser than the standard coefficient of weight for the diameter, but is within the rolling margin, the payment shall be restricted with respect to the actual weight per unit length of the diameter.

3.3 The standard sectional weights referred to in standard table under para 5.3.3, page 75 of the revised CPWD specifications 2002 for cement mortar , cement Concrete and RCC works, are to be considered for conversion of length of various sizes of Steel Reinforcement bars into weight and are reproduced below ready reference.

SIZE (mm)	WEIGHT (Kg/M)	SIZE (mm)	WEIGHT (Kg/M)
6	0.222	20	2.470
8	0.395	22	2.980
10	0.617	25	3.850
12	0.888	28	4.830
16	1.580	32	6.310
18	2.000	36	7.990

3.4 The actual issue and consumption of steel and Cement on the work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein.

3.5 Steel and Cement brought to site and remaining unused shall not be removed from site without written permission of the Engineer-in-charge.

3.6 Cement used in ready mix concrete shall be evaluated based on the certification by the in-

charge of the RMC plant in accordance with design approved by the Engineer in-charge.

4. No payment shall be made to the contractor for any damage caused during the execution of work because of cause(s) not covered under clause 43 of the contract .The damage to work will be made good by the contractor at his own cost, and no claim on this account shall be entertained.
5. Some restrictions may be imposed by the security staff etc. on the working and/ or movement of labour, materials etc. and the contractor, shall be bound to follow all such restrictions / instructions and nothing shall be payable on this account.
6. The contractor shall comply with proper legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charges which he may be liable and nothing extra shall be payable on this account. The work shall be carried out without infringing on any of the local municipal bye-laws.
7. The contractors shall given a performance test of the entire installations as per standard specifications before the work is finally accepted and nothing extra what so ever shall be payable to the contractor for the tests.
8. The contractor shall engage licensed plumber for sanitary, water supply, drainage work and also get all the materials and system ( including the materials supplied if any, by the department ) tested by the municipal authority, whenever required, at his own cost including testing fees, transport etc. according to Municipal by Laws. The contractor shall produce necessary certificate from Municipal Authorities after completion of work. Nothing extra will be paid on this account. The contractor shall execute the guarantee for removal of defects after completion in respect of water supply and sanitary installation.
9. The water supply sanitary installation and drainage work shall be carried out in a manner complying in all respects with the requirement of relevant by laws of the local municipal authority of the place at no extra cost of department.
10. The rate for every item of work to be done under this contract shall be for all heights, depth, lengths, and width of the structure (except where specially mentioned in the item) and nothing extra will be paid on this account.
11. The contractor shall take all precautions to avoid all accidents by exhibiting necessary caution boards such as day and night boards, speed limit boards and flags, red lights and providing barriers etc. He shall be responsible for all damages and accidents caused due to negligence on his part. No hindrance shall be caused to traffic during execution of work .nothing extra shall be paid on this account.
12. The contactor will work in close liaison, during the works, with other contractor of water supply, sanitary, drainage arrangements, electrical installation and any other works and adjust his work plan accordingly.
- 13. Other Taxes and Royalties**
  - 13.1. 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.
  - 13.2. Works Contract Sales Tax as prevalent as per statutory orders of State/Central Government and shall be charged on gross Value of all the bills and shall be recovered from each bill of the contractor as 'works contract sales tax'. Should there be any increase



in rate of Works Contract Sales Tax during execution of the contract, the same shall also be payable by the contractor.

- 13.3. 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. The contractor shall obtain "No Demand" certificate from the District/State Govt. authority concerned before the final bill is paid, failing which necessary recovery will be effected at the applicable rates in the final bill

## **"B" ADDITIONAL SPECIFICATIONS**

### **1. GENERAL**

1.1. The Work shall, in general, conform to the CPWD' Specifications. The CPWD specifications shall mean CPWD Specifications - 2019 Vol. I to II with up-to-date correction slips.

1.1.1. Should there be any difference between the specifications mentioned above and the specifications given in the schedule of quantities, the later shall prevail. .

1.1.2. If the specifications for any item are not available in the CPWD Specifications cited above, relevant BIS Specifications should be followed.

1.1.3 In case BIS Specifications are also not available, the decision of Engineer-in- Charge given in writing based on acceptable sound engineering practice and local usage shall be final and binding on the contractor.

1.2 The work will be carried out in accordance with the architectural drawings and structural drawings to be issued by the Engineer-in-Charge the structural and architectural drawings shall have to be properly correlated before executing the work.

1.2.1. In case of any difference noticed between Architectural and Structural drawings, the contractor shall obtain final decision in writing of the Engineer-in-charge.

1.2.2 In case of any discrepancy in the item given in the schedule of quantities appended with the tender and architectural drawings relating to the relevant item, former shall prevail unless otherwise given in writing by the Engineer-in-Charge.

1.3 For items where so desired, samples shall be prepared before starting the particular items of work for prior approval of the Engineer-in-Charge and nothing extra shall be payable on this account.

1.4 Materials brought at site of work shall not be used in the work before getting satisfactory Mandatory test results. For details, relevant provisions in the CPWD specification shall be referred to.

1.4.1. Wherever it is desired to procure factory-made materials, such factory-made materials shall be procured from reputed and approved manufacturers or through their authorized dealers. The contractor shall obtain the approval from the Engineer-in-Charge of such firms prior to procurement of such factory -made materials. The Engineer-in-charge may, at any stage, inspect such factories/ manufacturing units. The contractor shall have no claim if the factory made materials brought to the site are rejected by the Engineer-in-charge in part or in full due to bad workmanship/ quality etc. even after the inspection of the manufacturing units.

1.4.2 The manufactured materials brought at site of work shall, in general, conform to the

relevant specifications. The source for supply of the manufactured materials shall be approved by the Engineer-in-charge. The contractor shall have no claim if the manufactured materials brought to the site are rejected by the Engineer-in-charge in part or in full due to bad Workmanship/ Quality etc.

1.4.3 The preference amongst the various alternative materials available shall be as follows:

- (a) The materials shall be as per the Brand specified to be used in the work.
- (b) If the Brand specified material is not available then the material shall be ISI marked.
- (c) If ISI marked item is not available then it should be from ISO certified company.
- (d) If the ISI marked or ISO certified items are not available then the best available items in the market to be procured.

1.4.4 Equivalent for the various materials and the materials of approved make shall be got approved from the Engineer-in-Charge of work in writing before using them on the work.

2. The following modifications to the above specifications shall, however, apply.

### **2.1. Earth Work**

2.1.1. During excavation and trenching work etc., the contractors shall ensure compliance to the guidelines in such matters laid down by the local body / bodies to ensure that there is minimum hazard to the operating personnel's and users, minimum inconvenience to the users, minimized damage to the underground plant/services of other utilities in a coordinated way, in the interest of public convenience and overall safety.

2.1.2. Any trenching and digging for laying sewer lines/ water line/ cables etc. shall be commenced by the contractor only when all men, machinery's and materials have been arranged and closing of the trench(s) thereafter shall be ensured within the least possible time.

2.1.3 Surplus excavated earth which is beyond the requirement or the B.S.N.L. shall have to be disposed of by the contractor at his own cost beyond the municipal limits or at places identified by the local bodies or as directed by the Engineer-in-Charge after obtaining written permission of the Engineer-in-Charge and no payment will be made by the Department for such disposal or this surplus excavated earth. However Extra payment shall be made for keeping the excavated earth beyond site of work and back filling the same after completion of RCC work in case of congested site condition where space is not available for stacking of material.

2.1.4 The contractor shall, at his own expense and without extra charges, make provision for all shoring, pumping, dredging or bailing out water, if necessary, irrespective of the source of water. The foundation trenches shall be kept free from water while all the works below Ground Level are in progress, without any extra payment.

### **2.2. Reinforced Cement Concrete Work & Plain Cement Concrete- General**

2.2.1 **Stone Aggregate:-** Stone aggregate to be used in work shall be of hard broken stone to be obtained from source approved by Engineer-in-Charge and shall conform to the relevant provisions in the CPWD Specifications.

2.2.2 **Fine Sand / Coarse Sand:** Fine sand/ Coarse sand to be used in the work shall be obtained from sources approved by Engineer-in-Charge and shall conform to the Contractor / EE(Civil)

relevant provisions in the CPWD Specifications.

- 2.2.2.1 Where only one variety of sand is available, the sand will be sieved for use in finishing work to achieve the required particle size distribution as per CPWD Specifications in order to obtain smooth surface and nothing extra shall be paid to the contractor on this account
- 2.2.3. **Water:** - It shall conform to requirements laid down in IS 456-2000 and CPWD Specification.
- 2.3. **R. C. C. work (Design Mix Concrete)** - Wherever the RCC work is specified to be done with Design Mix Concrete, the particular specifications, as applicable, shall apply.
- 2.4. **R. C. C. Work (Nominal mix concrete)-Water-Cement Ratio:** - For RCC Works, wherever nominal mix of concrete is stipulated In the items for work, for maintaining proper quality and durability requirements of the structure, maximum water-cement ratio shall be restricted to 0.55 If in normal course of work, the required workability is not achieved; suitable plasticizers/ admixtures may be used for improving the workability of concrete With the approval of Engineer-in-Charge for which nothing extra shall be paid.
- 2.5. **Non-destructive Testing for Concrete/RC.C Work:** - The Engineer-in-charge shall, at his discretion, get the non-destructive testing (Such as Ultrasonic Pulse Velocity Test etc.) done and the Contractor shall make all necessary arrangements for getting such tests done and make good the same after the test, for which nothing extra shall be paid. The results of such tests shall be binding on the Contractor. In case of non-conformity of the test to the standards, the contractor shall be liable to re-do the concrete work at his cost including the cost of test, subject however to the acceptability of the work as laid down in the mandatory test defined in the relevant CPWD specifications.
- 2.6. Cement slurry, if any, added over base surface (or) for continuation of concreting for better bond is deemed to have been in built in the items (Unless other wise explicitly stated) and nothing extra shall be payable (or) extra cement considered in consumption on this account.
- 2.7. **Centering and Shuttering For R.C.C Work:** - The concrete surface shall be free from honey combing, offsets, superfluous, mortar, cement slurry and foreign matter. The formwork shall be assembled in such a way 'as to facilitate removal of their parts in proper sequence without any damage to the exposed cement concrete surfaces and corners etc. The contractor shall keep skilled staff for special care and supervision to check the formwork and concreting so that every member is made true to its size, shape, level and alignment so that it does not result in any deformation, snag, buldges etc. The contractor shall also take suitable precautionary measure to prevent breaking and chipping of corners and edges' of completed work until the building is handed over. The size of shuttering plates for slabs shall not be less than 0.6m x 0.9m in general. However, contractor has to provide tape or wooden fillets or rubber gaskets to seal the joint properly to get smooth surface. Further shuttering shall be of such quality that there are no undulations and surfaces will be fairly even and no extra thick ceiling plaster shall be permitted to make the surface even. Any honey-combed: or poorly formed concrete shall be repaired with polymer concrete of any suitable design by the Contractor at his own cost, in accordance with, the specifications laid down in hand book of Repairs and Rehabilitation of RCC buildings by CPWD.
- 2.8. **BRICK WORK:** - Bricks used in the work shall be F.P.S. to be obtained from kilns approved by Engineer-In-Charge. In all other respects they shall conform to the provisions in CPWD specifications.

- 2.9. **STONE WORK:** Stone used for stone masonry work shall be hard granite/ basalt/ quartz stone/sand stone to be obtained from quarries approved by Engineer-In-Charge and shall conform to the relevant provision in the CPWD specifications.
- 2.10. All above materials like stone aggregates, coarse, fine sand, bricks, surkhi stone etc. conforming to the CPWD specifications to be brought from the sources approved by Engineer-In-Charge. In case, at any stage during execution of work, the material from the approved source being not available or otherwise, and, is required to be arranged from other sources conforming to relevant CPWD specifications and duly approved of Engineer-in-charge, involving extra lead etc. nothing extra shall be paid on this account.
- 2.11 **WOOD WORK:** - Timber required for manufacture of chowkhats and shutters for doors, windows, ventilators, and partitions etc. in the work shall be kiln seasoned and preservative treated. The Timber shall be kiln seasoned before applying preservative treatment. The rate quoted for various Items shall be inclusive of kiln -seasoning and preservative treatment of wood. The wood used in the work shall conform to the provisions in the CPWD Specifications for works.
- 2.12 **FACTORY MADE SHUTTERS** etc.:- The shutters for doors, windows & ventilators, and, chowkhats etc. shall be factory made and obtained from suppliers approved by the Engineer-in-Charge.
- 2.13 **STEEL WORK:** - All steel doors, steel windows, steel ventilators, wire gauge, steel glazing, and steel grill shall be according to the Architect's detailed drawings and factory made and obtained from approved suppliers.
- 2.13.1. In the case of composite steel windows the rates shall include the cost of coupling mullion and transom etc. Where windows with inside open able shutters are fixed along-with windows with shutters open able outside, such inside open able windows shall be fitted with suitable friction hinges and open able outside with box type hinges. Lever handles or otherwise as approved by the Engineer-in-Charge of the work. For such windows, cement concrete blocks of size 15cmx 10cmx 10cm shall be provided. Nothing extra shall be paid on this account.
- 2.13.2. In the case of steel windows and doors, steel glazing, wire gauge steel ventilators, rolling shutters, grills etc. an approved quality-priming coat of zinc chromate shall be applied over and above shop coat of primer. Nothing extra shall be payable for providing Shop-coat primer.

#### **2.14. Sanitary and Water supply installations**

The contractor shall engage licensed plumber for sanitary, water supply, drainage work and shall be carried out in manner complying in all respects with the requirement of relevant by laws of the local municipal authority. The Contractor shall give a guarantee to the effect that the, work shall remain structurally stable and shall guarantee against faulty workmanship, finishing, manufacturing defects of materials and leakages etc. The Contractor shall furnish a Guarantee Bond, as per prescribed format. The Guarantee Period shall be for 10 (Ten) years.

- 2.15. Approval of sample work of repetitive/ typical nature prior to general execution of work shall be as enumerated hereafter.
- 2.15.1. Samples of typical portion of the works of repetitive nature such as typical room, toilet room, or any other work shall be prepared by the contractor under the directions and to the satisfaction of Engineer-in-Charge and got approved from him in writing before the commencement of these items for the entire work.
- 2.15.2 The work shall be so arranged to be carried out that the requirement for preparation of samples are observed and fulfilled without any detriment to the general progress of work. In other words, this will not allows having any effect on the general progress of work or on any of the terms and conditions of the contract. No claims of any kind

whatsoever including the claim of extension of time will be entertained due to the incorporation of this requirement.

## 2.16. FLOOR TEST FOR TELEPHONE EXCHANGE BUILDINGS

The floor of Technical rooms in the T.E. buildings shall be laid in such a way that the limits in floor levels would not be exceeded as follows.

- (i) The levels at any places when checked over a distance of one meter in any direction would not show variation in floor levels in excess of 3mm.
  - (ii) The levels if checked over a distance of 4 meter in any direction shall not to exceed 5mm.
  - (iii) The maximum permissible variation in the levels at any two points more than 4 meters away in any direction in the same room shall not be more than 8mm.
  - (iv) Floor levels shall be taken at every meter and recorded in a "Level chart" for flooring in all technical room. This shall be checked, prepared and Certified by the Assistant Engineer-in-Charge of the work and contractor. This level chart shall be checked by the Engineer-in-Charge of work to satisfy himself that levels in the floors of 'technical rooms are with in the variation limits laid down at i) to iii) above.
- 2.16.1 No. payment of flooring in Technical room shall be allowed till "Level Chart" is prepared and meets the requirements of levels mentioned above.

## 2.17 TEST RESULTS & RELATED ASPECTS

- 2.17.1 Normally, part-rate payment shall be allowed in the running account bills only if the materials conforming to the CPWD specifications for works as mentioned in the work are tested and test results are found to be satisfactory by the Engineer -in- charge.
- 2.17.2 The Engineer -in- charge of work shall check the test results and satisfy himself before allowing any payment in the running / final bill.

## 2.18. WATER PROOFING: -

2.18.1. **Treatment for roof surfaces:** - The treatment of Roof Surfaces, wherever done with integral

Cement based compound (Brick-coba), the particular specifications shall be applicable

- 2.18.2. The Contractor shall associate himself with the specialized firm, to be approved by the Engineer'-in-charge, for execution of water proofing treatment. The contractor shall furnish a Guarantee Bond, as per prescribed format, from the specialized firm and duly counter-signed by the contractor as a token of overall responsibility. The Guarantee Period shall be for 10(Ten) years.
- 2.18.3. Ten percent of the cost of items of water proofing treatment for sunken floors and on roofs would be retained as guarantee to watch the performance of the work done. However half of the amount withheld would be released after (5) live years. If the performance of the work done is satisfactory. If any defect is noticed during the guarantee period, it should be rectified by the contractor within seven days, and if not attend to, the same will be got done from another agency at the risk and cost of the contractor. However this security deposit can be released in full, if bank guarantee of equivalent amount for 10(ten) years after completion of maintenance period is produced and deposited with the BSNL.

## "C" PARTICULAR SPECIFICATIONS

### 1.1. Treatment for roof surfaces: -

For treatment of Roof Surfaces with integral cement based compound (Brick-coba), following specifications shall be applicable. This item shall be got executed from specialized agency to be got approved from Engineer-in-charge: -

- 1.1.1. The bricks bats shall be from over burnt bricks. The proprietary water-proofing compound shall bear I.S.I. mark and shall conform to IS: 2645. Before execution of work water proofing compound has to be brought to and a certificate of its conforming to IS code Should be produced. The proprietary water-proofing compound shall be added at the rate recommended by the specialist firm but not exceeding 3 percent by weight of cement. The Engineer in charge reserve the right to collect the random sample from material brought at site and get it tested from laboratory of his choice. The material which does not conform to the specification shall have to be removed forthwith by the contractor.
- 1.1.2 The finished surface after water proofing treatment shall have minimum slope of 1 in 80. At no point shall the thickness of water proofing treatment be less than 65mm.
- 1.1.3 While treatment of roof surface is done, it shall be ensured that the outlet drain-pipes have been fixed and mouths at the entrance have been eased and round off properly for easy flow of water.
- 1.1.4 The surface 'where the water proofing is to be done shall be thoroughly cleaned with wire brushes. All loose scales mortar splashes etc. shall be removed and dusted off. The surface shall be treated with neat cement slurry admixed with proprietary water proof compound to penetrate into crevices and fill up all the pores in the surface. The cement slurry shall be applied at the junction of parapet and terrace slab including the vertical face of the parapet.
- 14.**
- 1.1.5 After the slurry coat is laid, layer of over burnt brick bats shall be laid in cement mortar of mix as specified by specialist firm but not leaner than 1 :5(1 cement: 5coarse sand) admixed with proprietary water proofing compound to required gradient and joints filled to half the depth. The bricks bat layer shall be rounded at the junctions with the parapet and tapered towards top for a height of 300mm curing of this layer be done for 2 days.
- 1.1.6 After curing the surfaces shall be applied with a coat of cement slurry admixed with proprietary water proofing compound.
- 1.1.7 Joints of bricks bat layer shall be filled fully with cement mortar of mix as specified by the specialist firm but not leaner than 1:5 (1cement: 5 coarse sand) admixed with proprietary water proofing compound and finally top finished with average 20mm thick layers of cement mortar: 1 :4 (1 cement:4 coarse sand) and finished smooth with cement slurry mixed with proprietary water proofing compound. The finished surface shall have marking of 300x300mm false squares to give the appearance of tiles.
- 1.1.8 Curing of water proofing treatment shall be done for a minimum period of 2 (two) weeks by flooding the water by making kiaries etc.
- 1.2 **MEASUREMENTS:** The measurement shall be taken for plan area of terrace only, Length and breadth shall be measured correct to 1 cm. And area shall be worked out to nearest 0.01 sqm, No deduction in measurement shall be made for either opening or recesses for chimney, stacks roof lights and the like of area upto 0.01sqm not anything extra shall be paid for forming such openings. For similar areas exceeding 0.10 Sqm, deduction will be made in measurements for full openings and nothing extra shall be paid for making such opening. '
- 1.3 **Rates:** The rate shall include the cost of all labour and materials involved the all operations described above.

2. **CHECK LIST FOR QUALITY ASSURANCE:** For works with estimated cost Rs.10 Lakhs and above, quality Assurance Check list for Back Filling, Plain Cement Concrete, Shuttering, Reinforced Cement Concrete and Structural Steel fabrication as annexed shall form a part of the Tender Document. Compliance of this Quality Assurance Check List shall be before release of the payment.

Contractor

EXECUTIVE ENGINEER CIVIL,  
BSNL CIVIL DIVISION-II, HYDERABAD.

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## ADDITIONAL SPECIFICATIONS

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The following to the C.P.W.D. Specifications 2019 shall also apply:

1.0 **GENERAL :-**

1.1 The stone aggregate used in the work shall be of hard broken stone to be obtained from approved source and shall conform to the relevant provisions in the C.P.W.D. Specifications 2009.

1.2 The coarse sand used in the work shall be obtained from, approved sources and shall conform to relevant provisions in the C.P.W.D. Specifications 2019

1.3 The fine sand used in work shall be obtained from approved sources at and shall conform to the relevant provisions in the C.P.W.D. Specifications 2019

1.4 The sand to be used for cement concrete work, mortar for masonry and plaster, shall be of standard quality and screened as required. The same shall consist of hard siliceous materials. It shall be clean sand. If the sand brought to site is dirty, it must be washed clean in water and should conform to C.P.W.D. Specifications 2019

1.5 Where only one variety of sand is available, the sand will be sieved for use in finishing work, as directed by the Engineer-in-charge, in order to obtain smooth surface and nothing extra will be paid on this account.

1.6 The fineness modulus of sand to be used in different works shall be as follows :

Coarse sand.	Fineness modulus Between 2.5 to 3.5.	As specified in the item like plain concrete, RCC work, flooring work etc.
Fine sand	Fineness modulus Between 1.2 to 1.6.	As specified in the item like finishing coat of cement plaster, skirting, dado etc.

1.7 The water shall be tested with regard to its suitability for use in various items of work before actual use in the work and nothing extra will be paid for on this account.

1.8 Proper Grooves shall be provided in plaster along junctions of RCC Work and Brick / Stone work as per directions of the Engineer-in-Charge. Nothing extra shall be paid on this account.

EXECUTIVE ENGINEER CIVIL,  
BSNL CIVIL DIVISION-II, HYDERABAD.



**SCHEDULE OF QUANTITIES****NIT No. 21/NIT/CETSCZ/HYD/2024-25 DATE: 03.06.2024**

**Name of the work : Repair & renovation of toilets, replacing of water supply and sanitary installations, internal repairs, annual maintenance and miscellaneous civil works at Telephone Bhavan, Saifabad, Hyderabad.**

Sl. No	Description of Item	Quantity	Rate (Rs)	Unit	Amount (Rs)
1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift up to 1.5 m, as directed by Engineer-in-Charge:				
a)	All kinds of soil	163.00	Sqm	One Sqm	
2	Supplying and filling moorum (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.	50.00	Cum	One Cum	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
a)	1:5:10 (1 cement : 5 fine sand derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	25.00	Cum	One Cum	
b)	1:2:4 (1 cement : 2 coarse sand(zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	25.00	Cum	One Cum	
4	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)	1:1½:3 (1 cement : 1½ coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	10.00	Cum	One Cum
b)	1:3:6 (1 cement:3 Course sand :6 Brick aggregate of 20 mm nominal size) layed in layers by consolidating each layer. All complete all as per direction of Engineer in charge	126.00	Cum	One Cum
5	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	100.00	units	per 50 kg ceme nt
6	Extra for concrete work in superstructure above floor V level for each four floors or part thereof.	121.00	Cum	One Cum
7	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)derived from natural sources : 3 graded stone aggregate 20 mm nominal sizederived from natural sources)	0.50	Cum	One Cum
8	Centering and shuttering including strutting, propping etc. and removal of form for :			
a)	Lintels, beams, plinth beams, girders, bressumers and cantilevers	5.00	Sqm	One Sqm
b)	Columns, Pillars, Piers, Abutments, Posts and Struts	5.00	Sqm	One Sqm
9	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-500D or more.	25.00	Kg	One Kg
10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 in foundation and			

plinth in:

a)	Cement mortar 1:6 (1 cement : 6 coarse sand)	4.00	Cum	One Cum
11	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinalpartitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.			
a)	Granite Stone of approved shade	22.00	Sqm	One Sqm
12	Providing and fixing chromium plated brass curtain rods having wall thickness of 1.25 mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete :			
a)	20 mm dia.	5.00	m	One Mtr
13	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)	250x16 mm	60.00	No.	Each
14	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	60.00	No.	Each
15	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)	100 mm	120.00	No.	Each

- |    |   |           |         |
|----|---|-----------|---------|
| 16 | Dismantling powder coated / anodized aluminium , doors and other frames including dismembering proper numbering, loading and unloading,stacking and placing at the required place in the building as directed by the Engineer-in-charge . (Area of partition with /board is measured for payment)   | 70.00 Sqm | One Sqm |
| 17 | Making and Fixing in position powder coated / anodized aluminum partitions and doors with available materials after making required sections as per the approved drawing for aluminum sections , particle board, glass panels and snap on beading including fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions at top, bottom and sides wherever required etc, all complete as per the directions of the Engineer-in-charge. (Aluminium members/ glass/particle boards/gaskets/snap on beading will be supplied by BSNL at no cost /Any new material of those provided will be paid seperately. Rate includes only labour charges for making partitions. Area of partitions with boards/glass will be measured for payment.) | 90.00 Sqm | One Sqm |
| 18 | Extra for powder coating to available aluminium material to be used for refixing of partitions/doors including transportation to powder coating unit and back to site etc complete as directed by Engineer in charge.   | 270.00 Kg | One Kg  |
| 19 | Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/clerestory windows & desertory other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and   |           |         |

screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/ cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm<sup>2</sup>, modulus of elasticity 900 N/mm<sup>2</sup> and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for separately). Note: For WPC solid door/window frames, minus 5mm tolerance in dimensions i.e depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made.

a)	Frame size 65 x 100 mm	260.00 m	One Mtr
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20 Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/ mm<sup>2</sup>, modulus of elasticity 850 N/mm<sup>2</sup> and resistance to spread of flame of Class A category with property of being termite/ borer proof, water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In-Charge.(Note: stainless steel butt hinges

and necessary S.S screws shall be paid separately)

a)	30 mm thick	87.00	Sqm	One Sqm
21	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer Hardwyn make or equivalent (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	20.00	No.	Each
22	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.	970.00	Kg	One Kg
23	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.			
a)	Hot finished welded type tubes.	55.00	Kg	One Kg

24	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours 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 @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.	240.00	Sqm	One Sqm
25	Providing and fixing Ist quality rectified 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 : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	1010.00	Sqm	One Sqm
26	Providing reinforced by organic fibres and/or inorganic synthetic fibres cement 6 mm thick corrugated sheets (as per IS: 14871) roofing up to any pitch and fixing with polymer coated J, or L hooks, bolts and nuts 8 mm dia. G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses), including cutting sheets to size and shape wherever required.	15.00	Sqm	One Sqm
27	12 mm cement plaster of mix :			
a)	1:6 (1 cement: 6 fine sand)	25.00	Sqm	One Sqm
28	15 mm cement plaster on the rough side of single or half brick wall of mix :			
a)	1:6 (1 cement: 6 fine sand)	25.00	Sqm	One Sqm
29	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.			

a)	20 mm cement plaster	300.00	Sqm	One Sqm
30	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:			
a)	Water thinnable cement primer.	4300.00	Sqm	One Sqm
31	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.			
a)	Two coats.	23050.00	Sqm	One Sqm
32	Applying priming coat :			
a)	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works	20.00	Sqm	One Sqm
33	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :			
a)	Two or more coats on new work.	20.00	Sqm	One Sqm
34	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	4350.00	Sqm	One Sqm
35	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade :			
a)	One or more coats on old work.	1800.00	Sqm	One Sqm
36	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :			
a)	One or more coats on old work.	8000.00	Sqm	One Sqm
37	French spirit polishing :			



a)	One or more coats on old work.	380.00	Sqm	One Sqm
38	Finishing walls with Acrylic Smooth exterior paint of required shade :			
a)	Old work (One or more coat applied @ 0.90 ltr/10 sqm).	1530.00	Sqm	One Sqm
39	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground , all complete as per directions of Engineer-In-Charge.			
a)	With cement mortar 1:4 (1 cement : 4 fine sand).	45.00	Sqm	One Sqm
40	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:			
a)	Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm).	235.00	Sqm	One Sqm
41	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge.	300.00	Sqm	One Sqm
42	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in- Charge.	36.00	No.	Each
43	Demolishing lime concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineer in-charge	125.00	Cum	One Cum
44	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :			

a)	Of area 3 sq. metres and below	54.00	No.	Each
45	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	800.00	Kg	One Kg
46	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :			
a)	75 to 80 mm dia pipe.	635.00	m	One Mtr
b)	100 mm dia pipe	548.00	m	One Mtr
47	Dismantling of flushing cistern of all types (C.I./PVC/Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	36.00	No.	Each
48	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	460.00	Sqm	One Sqm
49	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	170.00	Cum	One Cum
50	Dismantling 20 to 25mm dia GI pipeline incl stacking of dismantled pipes within 50m lead as per direction of Engineer in charge.	1290.00	m	One Mtr
51	Providing and fixing water closet squatting pan (Indian type W.C.pan ) with 100 mm sand cast Iron P or S trap,			

- 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) White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests 18.00 No. Each
- 52 Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :
- a) W.C. pan with ISI marked white solid plastic seat and lid 18.00 No. Each
- 53 Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively. 40.00 No. Each
- 54 Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms. 40.00 No. Each
- 55 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 Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	36.00	No.	Each
56	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	36.00	No.	Each
57	Providing and fixing 32 mm dia PVC rigid pipe for wash basin/ Urinals as waste pipe including P.V.C. waste fittings, P.V.C bend, union etc and fixing the pipe, cutting chases and making good the same , all as per site requirement, . All complete as directed by the Engineer in charge.	80.00	m	One Mtr
58	Providing and fixing unplasticised Rigid PVC floor trap conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, including cost of cutting and making good the walls and floors : (a) 100 mm inlet and 75 mm outlet	80.00	No.	Each
59	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with 6 mm thick hard board backing : a)Rectangular shape 1500x450 mm	20.00	No.	Each
60	Providing & fixing Type B SWR PVC pipes by cutting, removing, replacing including jointing with 'T' shaped seal/rubber ring conforming to IS : 5382 and with solvent cement or rubber lubricant as the case may be with pipes of outer dia (concealed pipe joints to be jointed with rubber ring and solvent cement and exposed joints to be jointed with rubber ring and rubber lubricant.			

a)	110mm diameter	550.00	m	One Mtr
b)	75mm diameter	635.00	m	One Mtr
61	Providing & fixing sanitary fittings/ accessories with new PVC SWR fittings /accessories including cutting,replacing,jointing with seal ring conforming to IS :5382 leaving 10 mm gap for thermal expansion.			
a)	Plain Bend			
i)	110mm diameter	80.00	Nos	Each
ii)	75mm diameter	80.00	Nos	Each
b)	Tee with door			
i)	110X110X110	80.00	Nos	Each
ii)	75X75X75	80.00	Nos	Each
c)	Y- with door			
i)	110mm diameter	40.00	Nos	Each
ii)	75mm diameter	40.00	Nos	Each
62	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)	32 mm nominal outer dia. Pipes.	10.00	m	One Mtr
b)	40 mm nominal outer dia. Pipes.	490.00	m	One Mtr

63	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.	290.00	m	One Mtr
b)	25 mm nominal outer dia .Pipes.	435.00	m	One Mtr
64	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :			
a)	25 to 40 mm nominal bore	20.00	No.	Each
65	Providing and fixing uplasticised PVC connection pipe with brass unions :			
a)	30 cm length			
(i)	15 mm nominal bore	160.00	No.	Each
66	Providing and fixing CPVC union in CPVC pipeline including cutting and threading the pipe and making long screws etc. complete (New work)			
a)	25 mm nominal bore	20.00	No.	Each
b)	40 mm nominal bore	22.00	No.	Each
67	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.	40.00	No.	Each
68	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.	108.00	No.	Each
69	Providing and fixing CPVC ball valve in CPVC pipe line including cutting and jointing with CPVC solvent cement etc complete as per directions of Engineer in charge.			
a)	25 mm nominal bore	36.00	No	Each
b)	40mm nominal bore	72.00	No	Each
70	Providing and fixing G.I U type clamps with G.I nuts and washers of approved design fixed on G.I frame made of Channel section of size 40X10mmX1.3mm consisting of arrangement for adustaable hole for holding/providing/accommodating G.I 'U' clamp for fixing SWR/ PVE/ GI pipe on wall. The G.I Frame is to be fixed to the wall surface with an offset of 50mm from wall and fixed to the wall/ Building surface using 2 no.s, 8mm dia anchor fasteners including drilling necessary holes in brick wall/ CC/ RCC surface etc. with necessary bolts and plugs/ sleeves as requiredrequired bolts/ screws etc as directed by the Engineer In charge.			
a)	G.I. Frame of size 550mm	100.00	Nos	Each
b)	G.I. Frame of size 450mm	100.00	Nos	Each
c)	G.I. Frame of size 300 mm	110.00	Nos	Each
d)	6mm Dia G.I U Clamp for 110 mm dia Pipe	300.00	Nos	Each
e)	6mm Dia G.I U Clamp for 75 mm dia Pipe	200.00	Nos	Each
f)	6mm Dia G.I U Clamp for 50/40 mm dia Pipe	400.00	Nos	Each
71	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of			

required shape and approved quality

a) L D - 2.5

	(i) Rectangular shape 600x450 mm internal dimensions	5.00	No.	Each
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72 Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality

a) H D - 20

	(i) Circular shape 560 mm internal diameter	5.00	No.	Each
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73 Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:

(i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface.

(ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface.

(iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area.

(iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).

		800.00	Sqm	One Sqm
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74 Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps



and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter.

The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge.

Note :- (1) The elevational area of the scaffolding shall be measured for payment purpose.

(2) The payment will be made once only for execution of all items for such works.

480.00 Sqm One Sqm

75 Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge

a) 50 mm average thickness 50.00 Sqm One Sqm

76 Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge.

a) Bars upto 12 mm diameter 50.00 m One Mtr

b) Bars above 12 mm diameter 35.00 m One Mtr

- 77 Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect.
- a) SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer 20.00 Sqm One Sqm
- 78 Providing and laying SBR Polymer modified (of approved make @ minimum 2% by wt. of cement used) plain/ reinforced concrete jacket for the structural members e.g. columns, pillars, piers, beams etc with concrete having the specified minimum characteristic compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10mm maximum size in proportion as per design criteria] with specified average thickness all-round existing core of RCC member. Note: Rates shall be for finished surface area of concrete and shall include the cost of making holes in existing RCC slab, if required, for pouring concrete in shuttering mould of jacket and appropriate approved Super-Plasticiser for rendering concrete as flowable self compacting and SBR polymer but shall exclude cost of reinforcement, bond coat, Shear Keys, centering and shuttering, strutting, propping etc. (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding/tapping with a blunt metal instrument)
- a) 50mm thick in Grade M 25 with cement content not less than 330 kg per cum 10.00 Sqm One Sqm
- b) 75mm thick in Grade M 25 with cement content not less than 330 kg per cum 10.00 Sqm One Sqm

79	Supply and application of anti rust coating, etching agent Reebaklens RR of Ms Fosroc chemicals (India) Pvt Ltd over the corroded reinforcement bars, stirrups, lateral ties of slabs, beams & columns after removing rust scales complete as per directions of Engineer in charge.	85.00 m	One Mtr
80	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 (weight not less than 10 kg/sqm)	16.00 Sqm	One Sqm
81	Providing aluminium louvers for ventilators with operating system for required adjustment of size 600mm length and 100mm width for fixing glass etc complete as per directions of Engineer in charge.	12.00 pair	One pair
82	Rebate for taking away the unserviceable water supply lines/fittings including removing from the existing position . etc., complete.		
a)	GI pipes 15mm/20mm/ 25mm/ 32mm /40mm	1290.00 m	One Mtr
b)	Watter supply fittings i.e, Taps, Bibcock, stopcock, gatevalve etc	25 Kg	One Kg
83	Rebate for taking away the unserviceable SCI pipes and fittings etc., complete.		
a)	SCI pipes		

i)	100mm	560.00 mtr	One Mtr
ii)	75mm	675.00 mtr	One Mtr
84	Rebate for taking away the unserviceable MS windows, ventilators, platforms . etc., complete.	800.00 Kg	One Kg

Total : Rs.

Contractor

Executive Engineer (Civil)