



INSTITUTE OF LIFE SCIENCES
(An autonomous Institute of the Department of Biotechnology, Govt. of India)
Nalco Square, Bhubaneswar-751 023
Website: www.ils.res.in

NIT No- ILS-18011/12/2024-CIVIL-ILS

I/2583/2025

Dt 26-02-2025

E-TENDER DOCUMENT

SI No.	Name of work	Estimated Cost	EMD
1	Repairing and painting of external wall of staff quarter , repair and renovation of Hostel cum guest house Kitchen (Ground Floor) and Grouting of 80 no's bathrooms of hostel room at campus –II	Rs 1409614	Rs 28193.00 MSME (Only for works Category) bidders are exempted to submission of EMD.

Administrative Officer
For and on behalf of Director, ILS.

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The D.N.I.T. contains 19 (Nineteen) pages only.

The Director, Institute Of Life Sciences, Bhubaneswar invites e-tenders from established **civil agencies / contractors** of appropriate class of Public Works Organizations like CPWD, DOP, MES, Railways and State PWD (R&B) of Odisha for the following work.

(a)	Name of Work	As mentioned in page no.01
(b)	Tender (NIT)No.	NIT No- ILS-18011/12/2024-CIVIL-ILS I/2583/2025 Dt 26-02-2025
(c)	Contract Period	Tender validity for 03 months w.e.f published date and work completion up to 01 months w.e.f issue/ receive of order whichever is later.
(d)	Estimated Cost	Mentioned in the page no. 1
(e)	Earnest Money Deposit (EMD)	Interested vendor shall submit EMD@2%, shall be refunded after finalization of tender. MSME (Only for works Category) bidders are exempted to submission of EMD. (Single EMD for works / composite EMD for all works may be submitted)
(f)	Performance Security (Bank Guarantee)	The lowest vendor shall submit PBG / PSD @5% of offer price and will be refunded after 06 months of works completion (with effect from Invoice date or works completion certificate whichever is earlier). It will be released on request of vendor & No interest for the deposit (PBG/ PSD) shall be claimed by the vendor.
(g)	Tender documents will be Issued From	26-02-2025
(h)	Last Date, Time &Place of Submission	06-03-2025 11:00 A.M
(i)	Date, Time for opening of Technical Bid	06-03-2025 11:30 A.M
(j)	Time limit for Execution	30 days from Date of Start
(k)	Tender Basis and Mode	Two stages (Technical Bid & Financial Bid)
(l)	Address for tender Issue, submission and opening	Administrative office, ILS, BHUBANESWAR
(m)	Website for full and updated information	https://www.ils.res.in https://www.eprocure.gov.in https://www.tenderwizard.com/ILS
(n)	Website for tender submission & processing	https://www.tenderwizard.com/ILS

1. The intending bidder must read the terms and conditions of Tender document carefully. He should submit his bid if he considers himself eligible and he is in possession of all the certificates/ documents required.
2. Information and Instructions for bidders shall form part of bid document.
3. The bid document consisting of NIT, plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded ..
4. Copies of eligibility documents and EMD as specified in the notice inviting tender shall be submitted within the period of tender submission.
5. Bidders must ensure to quote rate of each item. If, no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
6. Financial bids shall be opened for bidders for whom EMD and other documents are found in order and who are found to be eligible to bid for work. On opening date, the bidder or their representative shall visit office at stipulated time mentioned as above.
7. If the contractor is found ineligible after opening of bids, his bid shall become invalid.
8. If any discrepancy is noticed between the eligibility documents as submitted at the time of submission of bid and hard copies as submitted physically by the bidder, the bid shall become invalid and.
9. The bidder shall visit and inspect the site and obtain all information on his own responsibility and at own cost, which may be necessary for the purpose of quoting and submitting the tender. No excuse or ignorance as to site conditions and local information shall be accepted after awarding of the contract. Access to the site will be granted by the Engineer-in-charge on all working days within working hours.
10. ILS Bhubaneswar shall not provide any space at site for labour hutments.
11. Intending bidder(s) may send their queries or suggestion, if any, through Physically meet with the Engineer-in-charge (for civil works)
12. All costs, charges & expenses that may be incurred in connection with the preparation of his tender shall be borne by him and the Institute accepts no liability whatsoever therefore.
13. Bid Validity: Bid shall remain valid for 120 days from the date of submission.

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

- a) The vendors interested to participate in the tender, shall furnish copies of their Registration Nos. / Trade License No., **GST certificate , EPFO Latest Challan, ESI Latest Challan, Latest IT return & pan card.**
- b) The Bidders are required to deposit the EMD in favor of **INSTITUTE OF LIFE SCINCES - DBT, payable at BHUBANESWAR**
- c) Two (02) similar **(Civil)** works each of value **not less than 60%** of estimated cost put to tender or one (01) similar **(Civil)** work of value **not less than 80%** of estimated cost put to tender in **last 03 (Three) Years.**
- d) Scan Copies of **partnership deed in case of partnership firms/ memorandum of articles of association and power of attorney or authorization to the person who signs the tender in case of companies,**

List of eligibility Documents to be submitted Offline within the period of bid submission in a Envelope:

- b) The Vendors who are interested to participate in the tender shall furnish Xerox copies of their Registration Nos. / Trade License No., **GST certificate, EPFO Latest Challan, ESI Latest Challan, Latest IT return & pan card.**
- c) b) The Bidders are required to deposit the Original EMD in shape of DD in favor of **INSTITUTE OF LIFE SCINCES - DBT, payable at BHUBANESWAR**

- c) Two (02) similar (Civil) works each of value not less than 60% of estimated cost put to tender or one (01) similar (Civil) work of value not less than 80% of estimated cost put to tender in last 03 (Three) Years.

Similar work means” All type of civil repair & renovation works”.

- d) Copies of **partnership deed in case of partnership firms/ memorandum of articles of association and power of attorney or authorization to the person who signs the tender in case of companies,**

All the above offline document must be received in sealed envelope & must be either delivered by hand or posted at the following address so as to reach not later than the last date/time specified in the NIT to **DIRECTOR INSTITUTE OF LIFE SCIENCES, NALCO SQUARE, BHUBANESWAR-23**. The name and mailing address of the Applicant (bidder) shall be clearly marked on the envelopes. **Bids received late i.e. after the due date and timing for receipt of bids shall not be accepted/considered for evaluation and such bids shall be returned unopened.**

Terms & Conditions:

The tender shall be submitted in Two Bid systems.

- (i) **Technical Bid:** All required documents submitted to be online.
- (ii) **Financial Bid:** The Financial Bids will be opened there after as mentioned above.
- (iii) **Manual Submission of Following Documents:**

The following documents are to be sent to DIRECTOR, INSTITUTE OF LIFE SCIENCE, NALCO SQUARE, BHUBANESWAR, 751023, separately in a sealed envelope superscripted as: e-Tender for (Name of Work) in the sealed envelope should reached on or before last date & time submission of e-Tender. i.e. before the due date of submission of online bidding.

B. SUBMISSION AND OPENING OF BIDS: -

Tender should open& submitted through Online only in the web portal www.tenderwizard.com/ILS

C. Terms and conditions: -

1. **The successful bidder EMD taken as Performance Security Deposit. The security deposit shall be released on bidders request after completion of warranty period i.e 6 months with effect from completion date without any bank interest.**
2. The work will be executed based on the specification as stated in the tender document.
3. The vendors interested to participate in the tender shall furnish Xerox copies of their Registration Nos. / Trade License No., GST certificate , EPFO Latest Challan , ESI latest Challan, Latest IT return & pan card.
4. **The work should be started within 3 days of time after issue of work order and should be completed within 15 days from the date of issue of work order. Otherwise, penalty @ 1% of tender value will be charged to the vendor per week of delay.**
5. No extension of time will be allowed, if the above work is not completed within the stipulated time. ILS reserves the right to get it completed through any other source without sending any intimation to the contractor.
6. After completion of the work the Contractor shall clean the site and remove debris from the site to outside of ILS premises, cost towards it will not be borne by the Institute.
7. The Contractor shall abide by the laws of the land for payments to laborers etc.

8. The payment shall be made after successful completion of the work as per the actual measurement of the work done confirming to specification and design, drawing etc. as per NIT term & condition.
9. Income Tax, Sales Tax, etc. shall be deducted from the payment to be made to the Contractor as per the existing law.
10. In case of extra items (not provide in BOQ), same will be considered as per DSR & NIT.
11. The court situated at Bhubaneswar shall have jurisdiction to decide any dispute or litigation, if arises in future beyond the above-mentioned rules & regulations
12. ILS reserves the right to resining/ cancel the workorder due to administrative reason without sending any intimation to the contractor

E-TENDERING INSTRUCTIONS TO BIDDERS

General:

The Special Instructions (for e-Tendering) supplement 'Instruction to Bidders', as given in this Tender Document. Submission of Online Bids is mandatory for this Tender. E-Tendering is a new methodology for conducting Public Procurement in a transparent and secured manner. Suppliers / Vendors will be the biggest beneficiaries of this new system of procurement. For conducting electronic tendering, ILS BHUBANESWAR has decided to use the portal www.tenderwizard.com/ILS through an ASP, M/s. CEL (I) Limited.

Instructions:

1. Tender Bidding Methodology:

Two Stage Online Bidding

2. Broad outline of activities from Bidders prospective:

1. Procure a Class III Digital Signature Certificate (DSC)
2. Register on the e-Procurement portal www.tenderwizard.com/ILS
3. Create Users on the above portal
4. View Notice Inviting Tender (NIT) on the above portal
5. Download Official Copy of Tender Documents from the above portal
6. Seek Clarification to Tender Documents on the above portal. View response to queries of bidders, posted as addendum, by ILS
7. Bid-Submission on the above portal.
8. Attend Public Online Tender Opening Event (TOE) on the above portal - Opening of Technical Part
9. Post-TOE Clarification on the above portal (Optional) – Respond to ILS's Post-TOE queries.
10. Attend Public Online Tender Opening Event (TOE) on the above portal - Opening of Financial Part (Only for Technical Responsive Bidders)

For participating in this tender online, the following instructions are to be read carefully. These instructions are supplemented with more detailed guidelines on the relevant screens of the above portal.

3. Digital Certificates:

For integrity of data and authenticity / non-repudiation of electronic records, and to be complaint 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 www.tenderwizard.com/ILS, vendors need to register on the portal. Registration of each organization is to be done by one of its senior persons vis-à-vis Authorized Signatory who will be the main person coordinating for the e-tendering activities. In the above portal terminology, this person will be referred to as the Super User (SU) of that organization. For further details, please visit the website/portal, and follow further instructions as given on the site. Pay Annual Registration Fee as applicable. (Rs 2000+ GST as applicable)

Note: After successful submission of Registration details and Annual Registration Fee, please contact to the Helpdesk of the portal to get your registration accepted/activated.

1. The Bidder must ensure that after following above, the status of bid submission must become – “Submitted”.

2. Please take due care while scanning the documents so that the size of documents to be uploaded remains minimum. If required, documents may be scanned at lower resolutions say at 150 dpi. However it shall be sole responsibility of bidder that the uploaded documents remain legible.

3. It is advised that all the documents to be submitted are kept scanned or converted to PDF format in a separate folder on your computer before starting online submission.

4. The Financial part/BOQ may be downloaded and rates may be filled appropriately. This file may also be saved in a folder on your computer. Please don't change the file names & total size of documents (Preferably below 5 MB per document) may be checked.

Bid submission

The entire bid-submission would be online on the Tender wizard portal i.e. <https://www.tenderwizard.com/ILS>

Broad outline of submissions are as follows:

- (i) Submission of Bid Parts (Technical & Financial)
- (ii) Submission of information pertaining to Bid Security/ EMD.
- (iii) Submission of signed copy of Tender Documents/Addendums.

The TECHNICAL PART shall consist of Electronic Form of Technical Main Bid and Bid Annexure. Scanned/Electronic copies of the various documents to be submitted under the Eligibility Conditions, offline submissions, instructions to bidders and documents required to establish compliance to Technical Specifications and Other Terms & Conditions of the tender are to be uploaded.

The FINANCIAL PART shall consist of Electronic Form of Financial Main Bid and Financial Bid Annexure, if any. Scanned copy of duly filled price schedule (Section VII) for both packages are to be uploaded. If required, additional documents in support of taxes, quoted duties etc. may also be uploaded.

Tender Processing Fee:-

You pay processing fee (0.1% of ECV + GST as applicable (Min. 500/- & Max 5000/- + GST as applicable)) through online (Credit card/ Debit card/ Net Banking), when participating in the e-tender.

Offline Submissions:

The bidder is requested to submit the as above mentioned documents offline **DIRECTOR, INSTITUTE OF LIFE SCIENCE, NALCO SQUARE, BHUBANESWAR, 751023** on or before the date & time of submission of bids specified in covering letter of this tender document, in a Sealed Envelope. The envelope shall bear (name of the work), the tender number and the words ‘DO NOT OPEN BEFORE’ (due date & time).

Public Online Tender Opening Event (TOE)

The e-Procurement portal 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. Every legal requirement for a transparent and secure ‘Public Online Tender Opening Event (TOE)’ has been implemented on the portal. As soon as a Bid is decrypted, the salient points of the Bids are simultaneously made available for downloading by all participating bidders. The medium 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)’. The portal a unique facility of ‘Online Comparison Statement’ which is dynamically updated as each online bid is opened. The format of the Statement is based on inputs provided by the Buyer for each Tender. The information in the Comparison Statement is based on the data submitted by the Bidders. A detailed Technical and / or Financial Comparison Statement enhance Transparency. Detailed instructions are given on relevant screens. The portal has a unique facility of a detailed report

titled '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 the portal. For a particular tender, the screens viewed by a Supplier will depend upon the options selected by the concerned Buyer.

Important 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 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 ILS by the bidders in time, then ILS will promptly reschedule the affected event(s).

Other Instructions

For further instructions, the vendor should visit the home-page of the portal. The complete help manual is available in the portal for Users intending to Register / First-Time Users, Logged-in users of Supplier organizations. Various links are also provided in the home page.

Important Note: It is strongly recommended that all authorized users of Supplier organizations 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 the said portal.

The following 'FOUR KEY INSTRUCTIONS for BIDDERS' must be assiduously adhered to:

1. Obtain individual Digital Signature Certificate (DSC) well in advance of your first tender submission deadline on the portal.
2. Register your organization on the portal well in advance of your first tender submission deadline on the portal
3. Get your organization's concerned executives trained on the portal well in advance of your first tender submission deadline on the portal
4. Submit your bids well in advance of tender submission deadline on the portal (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 on the portal, the fourth instruction is relevant at all times. Minimum Requirements at Bidders end Computer System with good configuration (Min P IV, 1 GB RAM, Windows 7) Broadband connectivity. Microsoft Internet Explorer 8.0 or above. Digital Certificate(s) Vendors Training Program Necessary training to each and every registered bidder under this portal shall be impacted by the ASP, M/s. BECIL Limited, if required, before participation in the online tendering.

For any further assistance, please contact Mr Sanjeeb Mahapatra(08249821902), Helpdesk-080-45811365/080-40482000 CEL (I) Limited email ID for mailing communication:- twhelpdesk404@gmail.com / twhelpdesk680@gmail.com/twhelpdesk605@gmail.com

FORM OF AGREEMENT

(To be executed on non-judicial stamp paper of Rs.100/-)

Agreement No. _____

Dated _____

THIS AGREEMENT is made on _____ day of _____ (month), _____(year) between ILS., AN AUTONOMOUS INSTITUTE OF THE DEPARTMENT OF BIOTECHNOLOGY, GOVT. OF INDIA hereinafter called ILS, (which expression shall, wherever the context so demands or requires, includes their successors in office and assigns) on the one part and M/s. _____ hereinafter called the Contractor (which expression shall wherever the context so demands or requires, include his/their successors and assigns) on the other part. WHEREAS the ILS is desirous that certain works should be executed viz. (brief description of the work)..... and has by Letter of Acceptance dated _____ accepted the tender submitted by the contractor for the execution, maintenance and completion of such works at a total contract price of Rs.----- (Rupees-----only).

Now THIS AGREEMENT WITNESSETH as follows:

1. In this agreement, words and expressions shall have the same meaning as are respectively assigned to them in the conditions of contract hereinafter referred to.
2. The following documents in conjunction with Addendum/ Corrigendum to Bid Documents shall be deemed to form and be read and construed as part of the agreement viz:
 - a. This Form of Agreement
 - b. The Letter of Award dated _____
 - c. Priced Schedule (Bill) of Quantities
 - d. Notice Inviting Tender and Instructions to bidders-
3. The aforesaid documents shall be taken as complementary and mutually explanatory of one another, but in the case of ambiguities or discrepancies, shall take precedence in the order set out above.
4. The ILS hereby covenants to pay to the contractor in consideration of the execution, completion of work at contract price at the time and in the manner prescribed by the contract.

In WITNESS whereof the parties hereto have caused their respective common seals to be here into affixed (or have herewith set their respective hands and seals) the day and year first above written.

SIGNED, SEALED AND DELIVERED BY

M/S. _____(for contractor) _____(for ILS)

In the capacity of _____ in the capacity of _____

On behalf of Contractor

On behalf of ILS

In the presence of in the presence of

- | | |
|----------|----------|
| 1. _____ | 1. _____ |
| 2. _____ | 2. _____ |

Annexure – II

List of similar works completed during last 5 years.

Sl no.	Clients name and address with contact number	Name of the work.	Scope of work	Agreement / Letter of Award No.	Contract Value (Rs. In lakh)		Location	Date of start	Date of completion		Ref to Supporting Documents submitted by bidder
					Awarded	Actual			As per LOA	Actual	
1	2	3	4	5	6	7	8	9	10	11	12

Note-1: The bidder shall produce an attested copy of the referred completion certificate from the owner companies indicating name of work, description of work done by the bidder, date of start, date of completion(contractual & actual including extensions if any), value of material supplied free of cost by the client. When the owner company is private one, the certificate from the company must be supported by TDS certificate issued by the company. The bidder should be in position to produce original certificate if required.

Note-2: ILS reserves the right to cross checks the certificate(s) directly with the issuing authority /authorities/clients or any other firm/ party.

Note-3: Information must be furnished on only works carried out by the bidder in his firm's own name. Works carried out as a partner in joint venture shall not be included in this Performa.

Note-4: The bidder shall number the page of the documents submitted by him against Pre-qualification requirements/Criteria and such reference number of relevant completion certificate(s) against completed work(s) if any shall be indicated under Column.no.11 of above table.

Signature of Authorised Representative of the bidder.....

Bidder's Stamp-----

UNDERTAKING

(To be submitted on Bidder Letter Head)

"I/We hereby certify that; the above firm has not been ever blacklisted by any Central/ State Government/ Public Undertaking/ Institute on any account."

"I/We also certify that; Firm will supply the item(s) as per the specification given by Institution and also abide all the Terms & Conditions stipulated in the tender."

"I/We also certify that, the information given in Bid is true and correct in all aspects and in any case at a later date, it is found that any details provided are false and incorrect, any contract given to the concerned firm or participation may be summarily terminated at any state, the firm will be blacklisted and Institute may imposed any action as per NIT Rules."

"I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Performance Guarantee".

Name: -

Business Address: -

.....

.....

Place:

Dated:

(Signature of Bidder with Firm's Seal)

Name of the work: Repairing and painting of external wall of staff quarter , repair and renovation of Hostel cum guest house Kitchen (Ground Floor) and Grouting of 80 no's bathrooms of hostel room at campus –II

Estimate

Sl. No.	Description of items	Unit	Quantity	Rate	Amount
1	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 direction of Engineer-in-Charge. With cement mortar 1:4 (1cement: 4 coarse sand)	Sqm	50.00		
2	In-filling / sealing of joint between RCC lintel cum sunshade and wall (on external side) in all floors by pushing in Grout RW/equivalent in paste form and coving 20 mm x 20 mm after applying a coat of Zycosil/equivalent & zycoprime/equivalent solution before cement plastering of top, bottom and sides of RCC sunshade.	Meter	300.00		
3	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	SQM	3300.00		
4	Providing and applying white cement-based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	500.00		
5	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface: Water thinnable cement primer	Sqm	3300.00		
7	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade : (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing paint surface.	Sqm	3300.00		
8	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	SQM	380.00		
9	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	SQM	380.00		
10	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	SQM	380.00		
	Total estimated amount				
	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 meters lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Sqm	3.50		

	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 meters lead as per direction of Engineer-in-charge. In cement mortar	Cum	6		
	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	Each	4		
	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	Sqm	65		
	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer-in-charge: Up to 150 mm diameter	metre	10		
	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	Cum	65		
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	Cum	2		
	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. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement: 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	Cum.	5		
	Centering and shuttering including strutting, propping etc. and removal of form				
	Lintels, beams, plinth beams, girders, bressummers and cantilevers	Sqm	10		
	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level. Cold twisted bars	Kg	350		
	Brick work with common burnt clay F.P.S. (non- modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in .Cement mortar 1:6 (1 cement : 6 coarse sand) .	Cum	4		

	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	Sqm	80		
	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	8		
	Charges for steel welding of old slab /beam to new slab/column etc., as per requirement.	Job	1		
	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 all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigments etc., complete.	Sqm	50		
	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 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. (Tile size : 300x450)	Sqm	60		
	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm	Sqm	4		
	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work	Rmt.	10		
	Providing and fixing factory made single extruded PVC solid door/window/Ceostory windows & other Frames/Chowkhat	Meter	5.5		

	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 ² , modulus of elasticity 900 N/mm ² 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 PVC 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. Frame size 50 x 125 mm				
	Providing and fixing factory made single extruded solid plain 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 ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/ borer proof, water/moisture proof and fire retardant 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 / conceal hinges and necessary S.S screws shall be paid separately) 30 mm thick	Sqm	2.5		
	Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm) .	Sqm	30		
	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. External work - Exposed on wall				
	25 mm nominal outer dia. Pipes	Mtr	10		

	20 mm nominal outer dia. Pipes	Mtr.	10		
	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe: 40 mm dia.	Each	1		
	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore	Each	2		
	Providing and fixing uplasticised PVC connection pipe with brass unions: 45 cm length 15 mm nominal bore.	Each	2		
	Providing and fixing SS towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms .	Each	1		
	Providing and fixing on wall face un-plasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 110 mm diameter	Meter	10		
	Providing and fixing on wall face un plasticised - PVC moulded fittings/ accessories for un plasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion				
	Bend 87.5° 110 mm bend	Each	2		
	Single tee with door	Each	3		
	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement: 4 coarse sand) and making good the wall etc. complete. 110 mm				
	Slotted cowl (terminal guard) 100 mm dia.	Each	1		
	Providing and fixing 100 mm SS grating for gully trap.	Each	1		
	Providing and fixing PVC. trap P type 110x110 mm	Each	2		
	Providing and fixing floor trap 110x110 mm	Each	3		
	Providing and fixing Y section trap connection	Each	1		
	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: 180x150 mm size P	Each	1		

	type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5				
	Providing and fixing 25 mm CPVC ball valve	Each	2		
	Providing and fixing bright finished brass 100mm mortice latch and lock with 6 levers and pair of levers handles with necessary screws etc. complete (best make of approved quality)	Each	1		
	Providing and fixing IS :3564 marked aluminum extruded section body tubular type universal hydraulic door closer with double speed adjustment with necessary accessories and screws etc. complete. (Godrej / Hardwin)	Each	4		
	Providing and fixing bright finished SS tower bolts ISI marked anodized (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. 300 x 10 mm	Each	3		
	Providing and fixing brass hanging floor door stopper ISI marked anodized (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. Twin rubber stopper	Each	2		
	Providing and fixing best quality SS handles, ISI marked, anodized (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. 150 mm	Each	4		
	Providing and fixing concealed hinges of required size with necessary full body threaded star headed counter sunk S.S screws, etc.complete : 3.3x4.3 cm	Each	3		
	Providing and fixing SS pull bolt lock, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws bolts, nut and washers etc. complete.	Each	1		
	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	SQM	500.00		
	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	SQM	60.00		
	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	SQM	60.00		
	Providing and applying white cement-based putty of average thickness 1 mm, of approved brand and manufacturer, over	Sqm	100		

	the plastered wall surface to prepare the surface even and smooth complete.				
	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface: Water thinnable cement primer	Sqm	150.00		
	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade: Two or more coats on new work	Sqm	600		
	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	Each	1		
	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: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	Each	1		
	Providing and fixing 40 mm C.P. brass waste	Each	1		
	Providing and fixing soap Dish Holder of as per existing installation.	Each	1		
	Providing and fixing health faucet with extension pipe.	Each	2		
	Providing and fixing corner glass shelf with edges round off, supported on anodized angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	Each	2		
	Providing and fixing fabricated 600 x450 mm upvc ventilator with frosted glass 5 mm thickness including soundless of 225 mm bathroom extractor axial PVC exhaust fan as per site requirement.	Each	1		
	Providing and fixing C.P. brass pillar cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	Each	1		
	Providing and fixing C.P. brass 2 -in tap of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	Each	1		
	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminum angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	Each	1		
	Providing and fixing toilet paper holder: C.P. brass	Each	1		

	Providing and fixing C.P. brass angular stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	Each	2		
	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	1		
	Removing and refixing of kitchen chimney for dismantling of brick wall and wall as per site condition	LS	1		
	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling /grouting and finishing complete as per direction of Engineer-in-charge.	Each	80		
	Total estimated amount (A+B)				

1. All charges shall include the cost of Labour, material, taxes, GST and other incidentals. Nothing extra shall be paid beyond the BOQ rate.
2. The work should be executed as per CPWD / IS Specification.
3. The work will be done according to the direction of Engineer in charge