



दीनदयाल पत्तन प्राधिकरण
DEENDAYAL PORT AUTHORITY
Off-Shore Oil Terminal Department- Vadinar



E quotation Notice No. OOT/Civil/312/ToiletCISF/2024

**Name of work: Modification & repairing of Toilet block for CISF Barrack
at Port Colony, Vadinar**

PORT OFFICE
Executive Engineer [Civil],
Off-Shore Oil Terminal Department,
AO Building, Deendayal Port Authority,
Vadinar – 361010, Gujarat State.
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Section -1: E-Quotation Notice

1.1 QUOTATION NOTICE NO. OOT/Civil/312/ToiletCISF/2024

Offshore Oil Terminal Department, DPA, Vadinar invites Quotation through Online E-Quotation system for the work of “: **Modification & repairing of Toilet block for CISF Barrack at Port Colony, Vadinar** ”

Estimated Contract Value (INR)	9,63,192.00
Bid Validity Period	90 Days
period of Completion (In days)	60 Days
Bid Security/ EMD (INR) :	9631.00
Earnest Money Deposit	In Favor of Deendayal Port Authority, Vadinar
Invitation of Quotation	25/06/2024
Last date and time of downloading	03/07/2024 upto 1400 hours
Last date and time of submission of e-Quotation only on website: www.nprocure.com	03/07/2024 upto 1500 hours
Date and time of opening of e-quotation	03/07/2024 at 1530 hours
Quotation shall be downloaded from website: www.nprocure.com ; www.deendayalport.gov.in and www.eprocure.gov.in	
Corrigendum, if any, will be placed on website www.nprocure.com	

Notice Inviting Online Tender

Department Name	Off-shore Oil Terminal Department-Vadinar
Division	Civil Division
Tender Notice No.	OOT/Civil/312/ToiletCISF/2024
Name of work	Modification & Repairing of Toilet block for CISF Barrack at Port Colony, Vadinar
Period of Contract	60 days
Bidding Type	Open
Bid Call (Nos.)	One
Tender Currency Type	Single Currency
Tender Currency Settings	Indian Rupee (INR)
Joint Venture	N/A
Rebate	Applicable
Estimated Cost	Rs.963192/-
Bid Document Fee	Rs.590/- [including GST]
Bid Document Fee Payable To:	DIGITAL mode may be paid through NEFT/RTGS in favour of Deendayal Port Authority, Bank of India, Vadinar, A/c. No. 325310100002572, IFSC No.BKID0003253. Scanned copy of successful bank transaction showing NEFT/RTGS number and date may be uploaded on bidding portal while uploading bid.
Bid Security/EMD (INR) :	RS. 9631/-
Bid Security declaration /EMD (INR) in favour of	Deendayal Port Authority, Vadinar
Bid Document Downloading Start Date	25/06/2024
Bid Document Downloading End Date and Time	03/07/2024 upto 1400 hours
Date & time of Pre Bid Meeting	Not Applicable
Place of Pre Bid Meeting	Not Applicable
Last Date & Time for Online submission of Bids	03/07/2024 upto 1500 hours www.nprocure.com
Bid Validity Period	90 Days
Remarks	In case of Micro and Small Enterprise (MSEs) valid certificates issued by any agencies/organisation under the Ministry of Micro, Small and Medium Enterprises indicating the list of activity related to the subject quotation shall become eligible for exemption from payment of EMD and Bid Document fee. The bidder is required to upload the valid certificate on the bidding portal. The bidder is required to submit the valid certificate. List of activities is indicated below: -

	<div>Level</div> <div>Sub-class 41001</div> <div>Description</div> <div>Construction of buildings carried out on own-account basis or on a fee or contract basis</div>
Preliminary Bid / Technical Bid Opening date and Time	03/07/2024 upto 1530 hours
Commercial Bid (price bid) Opening Date	03/07/2024 upto 1530 hours
Documents required to be submitted by scanning through online.	a. EMD & Tender fee b. GST Registration c. PAN Card
Officer Inviting Bids	Executive Engineer [Civil]
Bid opening Authority	Executive Engineer [Civil]
Address	Civil Division, Off-Shore Oil Terminal Department, First Floor, AO Building, Vadinar – 361010, Gujarat
Contact	Phone: + 91 – 288 – 2573006/ 01, Fax: + 91 – 288 – 2573031

NOTE:

In case, bidders need any clarifications or if training is required to participate in online Tenders, they can contact (n) Procure Support team at following address: (n) code Solutions-A division of GNFC Ltd., (n) Procure Cell 403, GNFC Info tower, S.G. Road, Bodakdev, Ahmedabad – 380054 (Gujarat)

Contact Details:

Address	Civil Division, Off-Shore Oil Terminal Department, First Floor, AO Building, Vadinar – 361010, Gujarat
Contact	Phone: + 91 – 288 – 2573006/ 01, Fax: + 91 – 288 – 2573031

NOTE:

Contact Details:

Airtel: +91 – 79 – 40007501, 40007512, 40007516, 40007517, 40007525

BSNL: +91 – 79 – 26854511, 26854512, 26854513[EXT: 501,512,516,517,525]

Reliance: +91 – 79 – 30181689; Fax: +91 – 79 – 26857321, 40007533

E-mail:nprocure@gnvfc.net

TOLL FREE NUMBER: 1–800–233–1010 [EXT: 501, 512, 516, 517, 525]

SECTION :2 Instruction to Bidders

2.1. Submission of Bids:

- 2.1.1.** Bidders who wish to participate in the E- Quotation will have to procure/ should have legally valid Digital Certificate, as per Information Technology Act-2000, using which they can sign their electronic bids. The bidders can procure the Digital Certificate from (n) code solutions a division of GNFC Ltd, who are licensed certifying authority by Government of India. All bids should be digitally signed. For details regarding Digital signature certificate and related matters, the bidder may contact the following address:(n) code Solutions, A Division of GNFC,301 GNFC Info tower, Bodakdev, Ahmadabad, Tel. 91 79 26857316/17/18; Fax: 91 79 26857321, Mobile: 9327084190 / 9898589652, e-mail: nprocure@gnvfc.net.
- 2.1.2.** The accompaniments to the Quotation documents as described under in the Quotation document shall be Scanned and submitted On-Line along with Quotation documents. However, the originals/attested hard copies along with Quotation documents (except Price Bid), signed on bottom of each page in token of acceptance of quotation Conditions and shall have to be forwarded subsequently so as to reach "Off-Shore Oil Terminal Department, AO Building, Jetty Office, Deendayal Port Authority, Vadinar –361010" within seven days from the last date of opening of Quotation.
- 2.1.3.** The contractor can upload documents in the form of PDF format.
- 2.1.4.** It is mandatory to upload scanned copies of all the documents including GST registration number as stipulated in the bid document. If such documents are not uploaded his bid will become invalid and the cost of the bid document shall not be refunded.
- 2.1.5.** If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the contractor the bid shall become invalid and cost of bid document shall not be refunded.

2.1.6. Contractor must ensure to quote the rate of each item. If any cell is left blank and no rate is quoted by the bidder, the rate of such an item shall be treated as "0 [zero]".

2.1.7. All the mandatory documents required/prescribed for pre-qualification have to be uploaded online by the bidder failing which his offer shall be rejected and treated as non-responsive. However, additional documents required, if any, for verification of the original documents shall be submitted by the bidder, if required by DPA.

2.2. Deadline of submission of the Bids:

2.2.1. Bids must be received by the employer in an online system at websites www.nprocure.com.

2.2.2. At the time of submission of the Quotation document, the Bidder shall give an undertaking that no changes have been made in document. The uploaded version of the Port Quotation Document at www.nprocure.com websites will be treated as authentic Quotation and if any discrepancy is noticed at any stage between the Port's quotation document and the one submitted by the Bidder, the conditions mentioned in the Port's uploaded document on www.nprocure.com websites shall prevail.

2.2.3. The employer may extend the deadline for submission of bids by issuing an amendment on DPA website as well as on www.nprocure.com in which case all rights and obligations of the employer and the bidders previously subject to the original deadline will then be subject to the new deadline.

2.2.4. In case of Quotation documents being downloaded from the web site, at the time of submission of (the hard copy of) the Quotation document, the tenderer shall give an undertaking that no changes have been made in the document. If any discrepancy is noticed at any stage between the port's Quotation document uploaded on www.nprocure.com and the one submitted by the tenderer, the conditions mentioned in the port's tender document uploaded on www.nprocure.com shall prevail. Besides, the tenderer shall be liable for legal action for the lapses.

2.3. Late Bids: After the deadline of submission of bid as prescribed, the bids cannot be submitted in the On-Line System.

2.4. Modification and Withdrawal of Bids:

2.4.1. Bidders may modify or withdraw their bids before the deadline of submission of bid or extension if any.

2.4.2. No Bid can be modified after the deadline for submission of Bids.

2.4.3. Withdrawal or modification of a Bid between the deadline for submission of bids and the expiration of the original period of bid validity including extension, if any, may result in the forfeiture of the bid security i.e. EMD.

2.5. Bid Opening:

2.5.1. On the due date and time, the employer will first open the preliminary bids of all bids received including modifications.

2.5.2. In the event of the specified date for Bid opening being declared a holiday

by the employer, the Bids will be opened at the appointed time on the next working day at the same time.

- 2.5.3. If any Bid contains any deviation from the Bid documents and/or if the same does not contain Bid security i.e., EMD and tender fees in the manner prescribed in the Bid documents, then that Bid will be rejected and the Bidder will be informed accordingly.
- 2.5.4. The bids which are qualified preliminary their financial bids will be opened. The date of opening of financial bid will be declared in the www.nprocure.com.
- 2.5.5. The price bid i.e., BOQ will be opened only those bids qualify preliminary bid.

SECTION :3

3.1.

Special Conditions for this particular work

- 3.1.1. The work shall be carried out in school building premises from Port Colony, Vadinar
- 3.1.2. The work shall be completed within **60** days from the date of the work order
- 3.1.3. EMD will be released after successful completion of the work.
- 3.1.4. All the precautions regarding safety of workers shall have to be taken by the contractor at his own risk & cost
- 3.1.5. The contractor shall study the local working condition at the site of work before quoting the rate and no claim whatsoever shall be entertained.
- 3.1.6. The income tax with surcharges if applicable will be deducted from the bill while making payment to the contractor for carrying out the work.
- 3.1.7. E.E. (CIVIL) reserves the right to cancel the quotation in any reason and also increase/decrease the quantum of work.
- 3.1.8. For the purpose of the measurement the method prescribed in standard code of measurement of concern works shall be applicable.
- 3.1.9. FORCE MAJEURE; this shall be restricted to acts of GOD only.
- 3.1.10. All the rules and regulations governing DPA will be applicable. The quantity taken in the quotation is tentative; it will be increased or decreased according to the actual requirement of the work there for no claim what so ever will be entertained in this regard.
- 3.1.11. **Tax:** The prices shall be quoted inclusive of all Taxes [excluding GST], duties, salary and wages of staff, repair and maintenance cost, fuel cost, insurance and other incidentals etc. and should remain firm till completion of work. The employer will perform such duties in regard to the deduction of such taxes at sources as per applicable law.
- 3.1.12. **GST:** Applicable GST on the taxable value of supply of Goods or Service or both covered in this tender / contract will be paid by Port as reimbursement on production of documentary evidences /reflection of the same under the GSTIN of DPA in the GST web portal. Applicable statutory recoveries including TDS under Income Tax, TDS under GST will be deducted / recovered while accounting for or making payment to the vendor as per the applicable laws.
- 3.1.13. **Deduction of Income-Tax:** Income-Tax deductions and surcharge as applicable thereon shall be made good while making payments due to the contractor for carrying out the work and only net amount shall be paid as directed by the Central Board of Direct Taxes, Ministry of Finance, Government of India.
- 3.1.14. **TDS under GST:** TDS under GST Act is required to be deduction @2% (1% CGST and 1% SGST or 2% (GST) from payment credited given to contractor/professional and other for work on contract on exceeding Rs.250000.00
- 3.1.15. Contactor/ Service provider / Supplier etc. has to ensure timely and proper filling of GSTR 1, so that Deendayal port authority can avail input tax credit in timely manner. In case DPA not allowed input tax credit due to failure on part of the contractor/ Service provider / Supplier etc. it will be a financial loss to the DPA and therefore same shall be recovered from the payment/deposit of the contractor/ Service provider / Supplier
- 3.1.16. **Payment Terms:** Payment will be made through NEFT/RTGS in R.A and Final Bill. The payment will be made on production of bill as per work done in triplicate duly sealed, signed and stamped by contractor and verified and signed by Engineer-in-Charge.

- 3.1.17.** The work shall be carried out in accordance with the best standard workmanship and to the entire satisfaction of the Engineer in charge.
- 3.1.18.** All the labour acts, rules and regulations in force from time to time are to be followed by the contractor
- 3.1.19.** The agency will be responsible for complying with payment of Minimum wages (Central Government).
- 3.1.20.** EMD of the bidders other than L1 & L2 will be released within 7 days from the date of opening of the quotation. EMD of L2 will be released on issue of work order to L1 party and that of L1 party be released after Released of 1st R.A. bill.
- 3.1.21.** All the tools, plants, scaffolding, ladder etc. and other machinery etc. required for the purpose of execution of work will have to be arranged by the contractor at his own cost.
- 3.1.22.** After completion of the work the site should be neatly cleaned by Contractor. No payment shall be given to contractor on this account
- 3.1.23.** All material should be approved by the Engineer in charge before use and No advance payment shall be given to the contractor on this account.
- 3.1.24.** The concrete to be used for C.C. & RCC works shall be made of the graded machine crushed trap stone metal and it should be from an approved quarry. Mechanical appliances such as concrete mixer, vibrator etc. shall be used for mixing, consolidation etc. of the concrete.
- 3.1.25.** All PCC/RCC works shall be carried out strictly according to IS -456-2000 or latest revision.
- 3.1.26.** All the building materials and ingredients of concrete materials such as sand, crushed aggregate, stone metal etc. require for the work shall be as per IS and shall be got approved from the Engineer-in-charge before stacking at the site of work and the same shall be got tested from Port laboratory at the cost of department, **if required**, the rejected materials shall be removed immediately from the site of work within 48 hrs. of issue of written order otherwise the same will be removed by the department at the cost and responsibility of the contractor

List of Approved Make for Civil Work

The following are approved brand makes/manufacture's makes listed below. In case it is established that material as listed below is not available in the market, approved equivalent material and finished of any other specialized brand names/ manufacturer's makes may be used as per approval of Client / Architect.

Sr. No	Item	Approved Make
1	Ordinary Portland Cement	Ambuja, Ultratech, Jaypee, Sidhee , Hathi, Sanghi
2	White Cement	Birla, J.K
3	TMT FE -500/415	Tata, SAIL, RINL (VIZAG), JSW, EssarSteel, Sanghi, Electrotherm Steel, Jindal Steel
4	Structural Rolled Steel sections - beams, Channels, tee, flats,angles, bars(Round, square, hexagonal,bright), etc	Tata, SAIL, RINL
5	Structural Hollow steel sections(Square & Rectangular)	Tata, Asian, Jindal, Surya, Appolo.
6	Structural tubular sections	Tata, Asian, Jindal, Surya, Appolo.
7	Coarse Aggregates(machine cut) Approved quarry from6mm to 40mm sizes (Hard black trap stone)	Sevalia, Vadagam or approved by Client
8	Stone Rubbles & Gravels Approved quarry from(Hard black trap stone)	Sevalia, Vadagam or approved by Client
9	Paver blocks	Vyara, Super , Sona tiles or equivalent
10.	Shuttering plywood	Kitply, Anchor, Green, Pragati
11.	BWP plywood as per – IS - 710	Green, Duro, Century,Silicon(evoke)
12.	Commercial Plywood – IS – 303 (BWR/MR)	Green, Duro, Century
13.	Decorative ply (Veneer)	Green, Duro, Century, Silicon(evoke)
14.	MDF	Nuwood ,Maftalal, Duratuff.

15.	Prelam particle board	Novapan, Bhutan .(exterior grade only)
16.	Laminate sheet	Greenlam, , Sundeck, Bloom , Marino,
17.	Cement bonded particle board	NCL (Bison board), Everest (Eternite) Shera
18.	Flush door- decorative / non decorative	Green, Duro, Century , EURO
19.	Compact sheet	Vir, Bloom, Formica , Merino , Stylam
20.	Locks	Godrej, Dorset, Yale, EPPW, Dorma, Kitch.
21.	Float Glass / Mirror	Modi guard, Saint gobain, Ashahi, HNG
22.	MS Rolling shutter	Sarvottam, Suryoday, Gandhi, Sagar
23.	Glass Mosaic	Pavit,Italia,Bissaza , Piccolo
24.	Glazed tiles	Somany, Vermora, Simpolo, Sunheart , Kajaria Nitco
25.	Ceramic tiles	Somany, Vermora, Simpolo, Sunheart, Kajaria Nitco

26.	Vitrified Tiles	Somany, Vermora, Simpolo, Sunheart , Kajaria Nitco
27.	Construction chemicals	M.C. Bauchemie,Fosroc, Sika,Cico, Pidilite, Sika, Krishna conchemical, Ashford, BAL, BASF., Kerakol
28.	Joint Filler / silicon paint	Wacker, Dowcorning, Sika, Chokshi, Saudal.
29.	Pre-coated steel roofing/ walling sheets	Tata blue scope Interarch, Nippon Dendro (polysteel)Metacolor,ShreePrecoated (Meta color)
30.	Paint, primer	Asian, Berger, ICI,

31.	putty	Birla , Berger, Asian
32.	Polish	MRF, Asian, ICI, Taralac
33.	Water stops	Arti Cables,Fixopan
34.	Door Window & Furniture Hardware	Enox , dorma , godrej , Kitch, EPPW, Dorma, Palladium, Ozon,Magnum, Yale.
35.	Adhesives	Fevicol, Kitcol, Araldite, BAL.
36.	Anchor fastener / bolts	Hilti. Fischer, Mungo
37.	Linseed oil	Saffola
38.	Aluminium sections	Jindal, Hindalco , Gujarat extrusion, Banco
39.	Aluminium finish	Color anodized / pure polyester powder coating
40.	Window locks cum handle	Alualpha, Giessee or equivalent.
41.	Filler rubber of glass panel	EPDM quality only
42.	Wool felt/weather strip	Anand, red-diplex ltd or equivalent
43.	Rust Remover	Feovert (Krishna Conchem), Roff Rust Clear (Pidilite Industries)
44.	Polymer bonding agent	Monobond (Krishna Conchem), Roff Bond Repair (Pidilite Industries)
45.	Non-shrink grout	Polygrout -HS (Krishna Conchem), Roff Grout GP (Pidilite Industries)
46.	Super plasticizer for jacketing	Supercon-100 (Krishna Conchem), RoffPlast 330 / Concrete Master
47.	Rebar and Anchor Fasteners	Hilti or Fischer OR Mungo.
48.	Acrylic SBR base bonding agent	Mono-bond SBR (Krishna Conchem), CICO, BASF, Pidilite
49.	Epoxy Bonding	EPI bond 21 LP (Krishna Conchem), Roff Concrete Bond (Pidilite)
50.	Anti Termite Chemicals	Chloropyriphos/ Biflex TC / lindane/Bayer Crop Science
51.	PVC Sleeve	Supreme / Astral / Prince

52.	Expansion Board	Capcell HD Board
53.	Expansion Joint	Pidilite / Roof/ Laticrete
54.	Expansion Joint System	3R as per Item description
55.	Water Proofing	BASF/ Fosroc / Sika , Pidilite
56.	Overdeck Insulation	BASF/ Fosroc / Sika , Pidilite
57.	Tile Chemical	Bal, Laticrite,Kerakoll
58.	PVC spacer	BAL Endura / Kerakoll / BASF
59.	PVC Flooring	Armstrong, Gerflor, Tarkett

60.	Self Levelling Chemicals	Ardex / BASF / Cico / Sika
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61.	Anti bacterial Paint	Sikka / Liquid Plastic/SSK/Viessmann /artilin / BASF / Huntsman
62.	Galvalume roofing sheet	Jindal,Mansha,Eashar
63.	Pre coated Sheet	J.S.Eng., Fielders, Rama, Shree Precoated, S.Kumar
64.	Kota	As per approved sample by Architect/ Client
65.	Granite	As per approved sample by Architect/ Client
66.	Floor stamping	Ultratech, Vyara, Flexstone or Equivalent
67.	WPC door	Alstone , Flexibond or equivalent

68.	Toilet cubical	Marino , Greenlam , Metalium , Satylam
69.	Roofing shingles	Saint Gobain , Malarkey , Technicol or equivalent
70.	Fiber Cement sheet board	Ecopro, Everest , Shera , CK Birla Group
71.	Roof Gutter	Saint Gobain , Malarkey , Technicol
72.	Deckwood	Shera , Indowood , Ecopro , Century
73.	Exterior Fins	Metalium , Supersil, Hunterdouglas

PLUMBING MAKE LIST OF APPROVED MAKES

The following are approved brand makes/manufacture's makes listed below. In case it is established that material as listed below is not available in the market, approved equivalent material and finished of any other specialized brand names/ manufacturer's makes may be used as per approval of Client / Architect.

Sr. No	Description	Approved Make
1.	SWR PVC PIPE & FITTINGS 6 KG CM ² ; FITTINGS : 6 KG CM ² ECO. DRAIN PIPE & FITTINGS	FINOLEX /SUPREME/PRINCE/ SUPREME/ ASTRAL

2.	GULLY TRAP	GIRCO / TIRUMALA / SONIA/ SUPREME/ ASTRAL
3.	STONE WARE PIPES FOR INTERNAL UNDER GROUND DRAIN PIPE	GIRCO / TIRUMALA / SONIA
4.	RCC HUME PIPESEXTERNAL MAIN UNDER GROUND PIPE	INDIAN HUME PIPE / PRANALI
5.	C.I. PIPE & FITTINGS	NECO OR EQ.
6.	PPR PIPES & PPR FITTINGS	SUREME/PRINCE
7.	M.S/G.I. PIPES FOR WATER SUPPLY	TATA / JINDAL/ SWASTIK
8.	ASTM/CPVC PIPE & FITTINGS FOR WATER SUPPLY	ASTRAL / SUPREME/ASHIRWAD
9.	COMPOSITE PLUMBING PIPE & COMPOSITE FITTINGS	KITEC OR EQ.
10.	G.I. PIPES FITTINGS WATER SUPPLY	DRP-M / R-BRAND / ZOLOTO
11.	GI TO GI JOINTS	CHAMPION / EQUIVALENT
12.	SOLVENT CEMENT	SUPREME / KISSAN / FINOLEX
13.	BALL VALVES	LEADER / ZOLOTO / AUDCO
14.	WHEEL VALVES	LEADER / ZOLOTO/AUDCO
15.	DCV / NRV	ZOLOTO/SPIREX/AUDCO
16.	TAR	SHALIBIND / TIKIBOND-BS
17.	SELF PRIMING SEWAGE PUMPS	HBD / GRUNDFOS
18.	VALVES	AUDCO/ZOLOTO / R.B. / KBL / KSB
19.	PUMPS	GRUNDFOSS/ KIRLOSKER /
20.	STARTER	SIEMENS / L&T

22.	DEWATERING PUMPS	GROUNDFOSS/KIRLOSKER/ KSB
23.	HYDROPNEUMATIC SYSTEM	GRUNDFOSS / ITT LOWARA
24.	SANITARY FIXTURES	JAQUAR / HINDWARE / PARRYWARE / CERA /KOHLAR

25.	EOT CRANE WITH HOIST	INDEF / ELECTROMECH / SAFEX / WH - BRADY / EQUIVALENT
26.	METALLIC BELLOWS	BELLOW FLEX / PRICISION / DHRUV / B.D. ENGR.
27.	R.O.PLANT	ION EXCHANGE /POWER H20 / THERMAX
28.	SOFTENER PLANT	ION EXCHANGE /POWER H20 / THERMAX
29.	SOLAR SYSTEM	SOAHEART/RECOLD/TATA -BP
30.	ELECTRIC GEYSER	A-O SMITH/ RECOLD/SPHERHOT
31.	HOT WATER GENERATOR	THERMAX/A.O.SMITH / KEPL
32.	SEWAGE TREATMENT PLANT	ARVIND / THERMAX / ION EXCAHNGE /
33.	FOAM CORE PIPES SN2,SN4,SN8	ASTRAL/SUPREME/FINOLEX/ASHIRWAD

Signature and Seal of Contractor

Executive Engineer (Civil)

Deendayal Port Authority (OOT)

SECTION 4

Bill of Quantities

Item no	Description	Qty	Rate	Unit	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	30.30		m3	
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	30.30		m3	
3	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)	6.74		m3	
4	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :Cement mortar 1:6 (1 cement : 6 coarse sand)	15.77		m3	

5	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	11.53		m3	
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position: Thermo-Mechanically Treated bars of grade Fe-500D or more.	1,261.75		Kg	
7	Centering and shuttering including strutting, propping etc. and removal of form for all heights :b) Lintels, beams, plinth beams, girders, bressumers and cantilevers	30.68		m2	
8	Centering and shuttering including strutting, propping etc. and removal of form for all heights :b) Suspended floors, roofs, landings, balconies and access platform	51..82		m2	
9	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 five level in cement mortar. Cement mortar 1:6 (1 cement : 6 coarse sand)	23.58		m3	
10	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in:	28.80		m2	
11	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix :1:4 (1 cement: 4 fine sand)	120.68		m2	
12	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturer's specifications :Two or more coats applied on walls @ 1.25 ltr/10 sqm over and	120.68		m2	

	including one coat of Special primer applied @0.75 ltr /10 sqm ,				
13	12 mm cement plaster finished with a floating coat of neat cement of mix :1:4 (1 cement: 4 fine sand)	114.35		m2	
14	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 @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	44.60		m2	
15	Providing and fixing Ist 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.	149.80		m2	
16	Distempering with dry distemper of approved brand and manufacture (two or more coats) of required shade on new work, over and including water thinnable priming coat to give an even shade.	114.35		m2	
17	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. flushbend with fittings & C.I. brackets, 40 mm flush bend,overflow arrangement with specials of standard makeand mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	1.00		No	

18	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 single 15 mm C.P. brass pillar tap	4.00		No	
19	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Circular shape 450 mm dia	4.00		No	
20	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	1,500.00		Ltr	
21	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: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	4.00		No	
22	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 onestep CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				
a	15 mm nominal outer dia Pipes	61.19		Mtr	
b	25 mm nominal outer dia Pipes	25.60		Mtr	

c	50 mm nominal outer dia Pipes	5.00		Mtr	
23	Providing and fixing brass bib cock of approved quality :15 mm nominal bore	10.00		No	
24	Providing and fixing brass stop cock of approved quality :15 mm nominal bore	8.00		No	
25	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bor	1.00		No	
26	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type)	11.00		No	
27	Providing and fixing ISi marked oxidised M.S. door latches conforming to IS:5930	22.00		No	
28	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992	22.00		No	
29	P & F. nahani Trap grating 100 mm dia	5.00		No	
30	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering,roughening cleaning, fixing and finishing with cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs,sills and soffits.40 mm thick	1.35		m2	
31	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and	4.00		No	

	brackets, cutting and making good the walls and floors wherever required.				
32	Constructing brick masonry road gully chamber 50x45x60cm with bricks in cement mortar 1:4 (1 cement : 4 coarsesand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	5.00		No	
33	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design				
	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	5.00		No	
34	Providing & Fixing of uPVC pipes (working pressure 4 kg / cm ²) Single socketed pipe size 110 mm dia including excavation & refilling	240.00		Mtr	
35	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately):Second class teak woo	0.038		m3	

36	24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (± 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door	14.00		m2	
37	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ± 1 mm), with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be Jointed with galvanised brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanised M.S. tube of size 19 X 19 mm and 1 mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in-charge: Extruded section profile size 48x40 mm	46.00		Mtr	
38	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.: Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	0.77		m3	
			TOTAL	Rs.	

Sign of Contractor

Executive
Engineer
(C)
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al Port
Authority
OOT -Vadinar

Drawing