



गेल (इंडिया) लिमिटेड

(भारत सरकार का उपक्रम – महारत्न कंपनी)

GAIL (India) Limited

(A Government of India Undertaking— A Maharatna Company)

“स्वान”, दूसरी मंज़िल,
#323, कोडिगेहल्ली मेन रोड,
सहकार नगर,
बेंगलुरु – 560092
“Swan”, 2nd Floor,
#323, Kodigehalli Main Road,
Sahakarnagar,
Bengaluru – 560092
फ़ोन/Phone : 080-46244111
फैक्स/Fax : 011-26185941

LETTER OF ACCEPTANCE

To
FUSION ENGITECH PVT LTD
FIRST FLOOR FLAT NO 104
C-104,C-240&241 BLOCK -C
PANDAV NAGAR NEW DELHI
DELHI
DELHI-110092
Delhi ,India
Tele No : 7091910183

LOA No. : GAIL/KRKL25-24/5300047024/20131855/BBA
Dated : 24.02.2026

RFQ No. & Date : 3300105544 Dt. 13.11.2025

Your offer/Qtn.No.: .

Qtn. Dt. : 03.12.2025

E Tender No.: NIL

Vendor Type : MSE-MICRO-OT

Vendor GSTN No : 07AACCF6167G2ZK

Kind Attn :

Name of Work : CONSTRUCTION OF TOILET BLOCKS AT MADHANAM AND MEMATHUR STATIONS OF GAIL CAUVERY BASIN.

Dear Sir/Madam

With reference to your Offer against our RFQ and all subsequent correspondences (if any) till date and in continuation of our Fax/Letter of Intent (if any) we are pleased to award the subject works highlighting the following salient features:

Scope of Work : As per SOW attached with the tender.

Contract Value : The estimated contract value including all taxes and duties under this contract

Price Basis:

ITEM	1	Const. of toilet at Madhanam	INR	630,157.06
ITEM	2	Const. of toilet at Memathur	INR	730,459.16

The estimated contract value of the subject job under this contract shall be Rs. 13,60,615.40 including GST@18%.

The Order/ contract value mentioned above is subject to Price Reduction Schedule clause.

Schedule of Rates:

The proforma for schedule of rates enclosed with tender document shall be replaced by the Schedule of Rates (SOR) as enclosed to this LOA for purpose of Quantity, UOM & Rate.

Abnormally High Rated Items :

Nil.

Duration of Contract/Completion Schedule :

पंजीकृत कार्यालय:
गेल भवन 16, भीकाएजी कामा प्लेस
नई दिल्ली, 110066-इंडिया

REGD. OFFICE:
GAIL BHAWAN, 16, BHIKAIJI CAMA PLACE
NEW DELHI-110 066. INDIA

सीआईएन/CIN
L40200DL1984GOI018976
www.gailonline.com

Contract period shall be as per clause no. 5.0 of SCC.

Total period of contract for this work will be for 06 months (including 15 days for Mobilization) from the date of issuance of order.

Performance Bank Guarantee:

The bidder shall submit Contract Performance Security / Security Deposit [CPS/SD] amount @10% of Total Order / Contract value (excluding GST) i.e. Rs. 1,15,310/- valid upto 25.11.2027 and claim period upto 25.02.2028, within 30 days of award of contract from GAIL.

OR

The bidder shall submit Initial security deposit (ISD) @ 5% of Total Contract Value (excluding GST) i.e. Rs. 57,655/- valid upto 25.11.2027 and claim period upto 25.02.2028, within 30 days of award of contract from GAIL and deduction @10% of the RA bill subsequently from RA bills till the total amount of security deposit (including ISD and deducted amount) reaches 10% of Total Contract value.

In case, GAIL allows additional time for submission of CPBG/SD beyond 30 days, a penal interest of Marginal Cost of Fund based Lending Rate (MCLR) for one year charged by SBI (applicable on due date of submission of CPBG/SD i.e. 30th day after issuance of FOA/Notification of award) plus 4.0% p.a (on CPBG/SD amount) shall be charged for delay beyond 30 days i.e. from 31st days after issuance of LOA.

The bidder shall furnish the Contract Performance Security (CPS) in accordance with ITB, General Conditions of the Contract & as per Form F-4 of Tender Document only. Further, they also submit covering letter along with CPS as per format at F-4.

GAIL/s vendor(s)/contractor(s) can submit contract performance security in the form of digital CPBG through SWIFT channel from the following banks. These banks are live with GAIL on SWIFT platform and directly push your digital CPBG from their system to GAIL without any manual intervention.

- a) Axis Bank
- b) HDFC Bank
- c) ICICI Bank

To facilitate the seamless submission of digital CPBG through SWIFT platform, please provide the following information while advising digital CPBG through any of the above Bank.

S.N. Information SWIFT Field No. Field Data / Details

- 1. GAIL Identification No. BIC Code GAIINDXXXX
- 2. SAP PO No. 72Z # First Line /PO/3000/3140/5300047024
- 3. Claim expiry Date 72Z # Second Line 280225

Contract Agreement:

Contractor is required to execute a contract agreement with GAIL (India) Limited, Bengaluru on non-judicial stamp paper of Tamilnadu State for appropriate value within fifteen (15) days from the date of issuance of LOA in exact format available in the tender document. All charges including cost of stamp paper associated with this agreement shall be borne by contractor.

Payment Terms:

Payment terms shall be as per clause no. 21.0 of SCC.

Contractor shall submit the bill as per the schedule of rates and Joint measurement sheet in prescribed format with the full details of work for the period of billing and along-with all statutory documents/compliances attached (PF, ESIC challan, wage register, insurance etc. along with the any other docs/details as per EIC/s requirement), as per rules/regulations and statutory guidelines in force from time to time and in compliance to GCC/ITB Clauses mentioned.

Payment shall be processed after submission of bills with relevant supporting documents through VIM Portal. Further payment shall also be released through RTGS / NEFT provided the bidder should submit the duly filled attached format. In no case payment shall be released by way of Cheque / Demand Draft / Bankers Cheque. In the absence of requisite supporting documents, Finance department shall return the bill. 7.1 GAIL will entertain no claim of interest for any delay on billed amount. GAIL reserves the right to recover from the bill(s) and security deposit of the contractor the amounts due to the GAIL against any PRS or as a result of any claim(s)/compensation(s) or due to any statutory imposition etc., without prior notice. GAIL also reserves the

right to withhold any payment to safeguard the interest of GAIL against any due(s)/claim(s) etc. No interest shall be payable on withhold amounts. Accounts Department shall deduct the Income Tax applicable as per Income Tax Act from the bills.

Final Bill:

Documents to be submitted with Final bill:

- a.) Final measurement duly certified by the Site Engineer/EIC.
- b.) Deviation statement
- c.) No claim certificate as per standard format.
- d.) No dues certificate as per standard format
- e.) Indemnity Bond on Rs.100/- On Non-judicial stamp paper duly notarised as per format specified by GAIL
- f.) Insurance document (For checking validity).
- g.) Copy of PF deposit challans in respect of labour along with muster roll.
- h.) Wage Register
- i.) Site Clearance Certificate

Contractor must submit final bill within 60 days of completion of the work. However, in case the contractor fails to submit the Final Bill within the stipulated duration mentioned above (i.e. 60 days from completion of contract), Rs. 500/- will be imposed as a penalty per day of delay.

Paying Authority:

VIM/Sparsh Portal.

PAN Particulars:

GAIL (India) Ltd PAN No. AAACG1209J

"As per CBDT Notification No. 95/2015 dated 30.12.2015, mentioning of PAN no. is mandatory for procurement of goods / services/works/consultancy services exceeding Rs. 2 Lacs per transaction.

Accordingly, supplier/ contractor/ service provider/ consultant should mention their PAN no. in their invoice/ bill for any transaction exceeding Rs. 2 lakhs. As provided in the notification, in case supplier/ contractor/ service provider/ consultant do not have PAN no., they have to submit declaration in Form 60 along with invoice/ bill for each transaction. Payment of supplier/ contractor / service provider/ consultant shall be processed only after fulfilment of above requirement".

GSTN Details :

Please note that our state/plant wise GSTN details as below for invoicing and other purpose.

NG Transmission -Tamil Nadu (3140) 33AAACG1209J1Z3

GAIL has implemented Vendor Invoice Management System for processing of invoices. The solution has been configured to handle both physical invoices as well as digitally signed invoices. This system optimizes the invoice management at GAIL and expedite their processing. The detailed methodology for submission of invoices shall be informed separately.

As a pre-requisite to the system, it is important to mention the details of Purchase Order/ Letter of Acceptance number on the face of invoice. Accordingly you are requested to ensure Purchase Order/ Letter of Acceptance number is clearly mentioned on the Invoice. Further Invoices should be system generated and no handwritten invoices shall be eligible for OCR conversion on VIM portal.

Your Bank Details : Please note that your bank account details against the above vendor code have not been updated in our system. You are requested to forward the bank details in the prescribed format so that same can be updated in our system to ensure timely payment.

Price Reduction Schedule:

Applicable as per clause no. 19.0 of SCC.

In case the CONTRACTOR fails to complete the work within the stipulated period, then, unless such failure is due to Force Majeure as defined in Clause 26 of GCC or due to EMPLOYER's defaults, the Total Contract price shall be reduced by ½ % of the total Contract Price per complete week of delay or part thereof subject to a maximum of 5 % of the Total Contract Price, This reduction shall be construed as liquidated damages for delay and not as a penalty. The said amount will be recovered from amount due to the Contractor or from Contract Performance Security which shall be payable on demand.

The decision of the ENGINEER-IN-CHARGE in regard to applicability of Price Reduction Schedule shall be final and binding on the CONTRACTOR.

All sums payable under this clause is the reduction in price due to delay in completion period at the above-agreed rate.

Defect Liability Period:

The defect liability period for the subject work shall be 12 months from the date of completion certificate issued. If any defects or damages are noticed as of the above during the defect liability period, the same has to be rectified by the contractor free of cost.

Contract Document:

FOI Reference/Regularization:

Engineer-In-Charge:

Mr. A Harish
Sr. Engineer (O&M)
E-mail Id: a.harish@gail.co.in
Ph. No. 9790894035

Other Contractual Stipulations:

1. Gail has implemented "ANJANI" e-measurement book & e-billing portal for ease in submission of measurement book/bill and reduction in paper transaction.

Accordingly, GAIL will process the bill with measurement book through "ANJANI" e-measurement book & e-billing portal (Link: <https://gailebank.gail.co.in/MBautomation/frmlogin.aspx>). Accordingly, contractor/ service provider/ consultant is requested to forward the RA bill on "ANJANI" e-measurement book & e-billing portal through concerned EIC/CIC/SIC, whichever is applicable.

Further, user manual is also available on aforesaid portal.

In case of any issue while submitting the RA bills in ANJANI portal, kindly contact to engineer-in-charge or team ANJANI (E-mail Id: embhelpdesk@gail.co.in (0120-2446400 extension 11509).

2. Vendors Details:

Mr. Kumar Madhurendra
Contact No.: 9910790762
E-mail Id: fusionengitech@gmail.com

3. All other terms & conditions shall be applicable as per Tender No. 2025_GAIL_253455 dated 13.11.2025.

General Conditions of Contract:

As per GCC-Works attached with tender.

Special Conditions of Contract:

As per SCC & SOW attached with the tender.

Post Order Correspondence:

All post order correspondences shall be made with Engineer-In-Charge (EIC) only.

Vendor Code: 108042358
FUSION ENGITECH PVT
LTD

LOA No. : GAIL/KRKL25-24/5300047024/20131855/BBA
LOA Date : 24.02.2026

Enclosures :

Tender no. 2025_GAIL_253455 dated 13.11.2025.

This order is being issued in triplicate. Two copies of the order duly signed, stamped and dated on each page, may be returned within 3 days from date of receipt of the order to the undersigned..

For & on behalf of
GAIL (India) Ltd.

Bishar Digitally signed
by Bishar Bin Ali
Date:
Bin Ali 2026.02.24
NAME : 14:24:44 +05'30'
DESIGNATION :

NOTE: Each page of this order including its annexure should be signed and stamped by the contractor before returning to GAIL (India) Ltd..

SCHEDULE OF RATES

Item : 1 - Const. of toilet at Madhanam
Plant : 3140 - NG Transmission -Tamil Nadu- Tamil Nadu (TN)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
10	CIVIL WORKS					
20	Surface dressing of the ground including	16	M2	22.87	365.92	

Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m. All kinds of soil

30	Earth work in excavation by mechanical m	14.000	M3	174.29	2,440.06	
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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. All kinds of soil.

40	Filling available excavated earth (exclu	5.000	M3	131.24	656.20	
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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.

50	Supplying and Filling with moorum/buildi	18.000	M3	536.56	9,658.08	
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Supplying and Filling with moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.

60	400 G polythene sheet	10	M2	8.71	87.10	
70	Half brick masonry with common burnt cla	26	M2	606.00	15,756.00	

Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : cement mortar 1:4 (1 cement : 4 coarse sand)

80	Providing and laying in position cement	3.000	M3	5,584.84	16,754.52	
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Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 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)

90	Reinforced cement concrete work in beams	11.000	M3	7,703.81	84,741.91	
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CEMENT CONCRETE (CAST IN SITU) Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

100	Centering and shuttering including strut					
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FORM WORK

Centering and shuttering including strutting, propping etc. and removal of form for

110	Foundations, footings, bases of columns,	4	M2	262.57	1,050.28	
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Foundations, footings, bases of columns, etc. for mass concrete

120	Lintels, beams, plinth beams, girders,	84	M2	493.08	41,418.72	
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Lintels, beams, plinth beams, girders, bressumers and cantilevers

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Item : 1 - Const. of toilet at Madhanam
Plant : 3140 - NG Transmission -Tamil Nadu- Tamil Nadu (TN)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
130	Providing and laying damp-proof course 4	7	M2	275.10	1,925.70	

DAMP-PROOF COURSE Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)

140	Brick work with common burnt clay F.P.S.	3.000	M3	4,935.21	14,805.63	
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Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)

150	Brick work with common burnt clay F.P.S.	10.000	M3	6,256.75	62,567.50	
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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 1:4 (1 cement : 4 coarse sand)

160	Half brick masonry with common burnt clay	16	M2	752.47	12,039.52	
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Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement : 4 coarse sand)

170	Steel reinforcement for R.C.C. work incl	403.000	KG	72.22	29,104.66	
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Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.

180	Steel reinforcement for R.C.C. work incl	400.000	KG	60.03	24,012.00	
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Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.

190	CEMENT PLASTER (IN FINE SAND)					
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200	12 mm cement plaster of mix	25	M2	232.38	5,809.50	
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1:4 (1 cement: 4 fine sand)

210	15 mm cement plaster of mix :	70	M2	267.46	18,722.20	
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1:4 (1 cement: 4 fine sand)

220	20 mm cement plaster of mix :	8	M2	315.61	2,524.88	
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1:4 (1 cement: 4 fine sand)

230	CEMENT PLASTER WITH NEAT CEMENT	11	M2	319.99	3,519.89	
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CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT

15 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)

240	Providing and laying Vitrified tiles in	19	M2	980.83	18,635.77	
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Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, 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. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required

thickness, leveling system and rubber mallet for placing the tiles gently and easily. Glazed Vitrified tiles Matt/Antiskid finish of size 600 x 600 mm

250	Providing and fixing Ist quality ceramic	30	M2	848.99	25,469.70	
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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

Item : 1 - Const. of toilet at Madhanam
Plant : 3140 - NG Transmission -Tamil Nadu- Tamil Nadu (TN)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.

260	Providing and fixing factory made P.V.C.	17	M	329.90	5,608.30	
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Providing and fixing factory made P.V.C. door frame of size 50x47 mm with awall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in- Charge.

note:item rate included all

fittings and fixing items like door hinges,screw etc.

270	Providing and fixing factory made panel	9	M2	2,453.20	22,078.80	
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Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side

PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+ 2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete

as per direction of Engineer-in-charge, manufacturer's specification & drawing. 30 mm thick pre laminated PVC door shutters

280	Providing and fixing ISI marked oxidised	4	EA	29.66	118.64	
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Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 100x10 mm

290	Providing and fixing stainless steel fan	6	EA	124.98	749.88	
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Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge. size 200mm.

300	EXTERIOR FINISHING					
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310	Finishing walls with water proofing ceme	65	M2	78.28	5,088.20	
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Finishing walls with water proofing cement paint of required shade :

New work (Two or more coats applied @ 3.84 kg/10 sqm)

320	Providing and applying white cement base	30	M2	104.49	3,134.70	
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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.

330	Wall painting with premium acrylic emuls	30	M2	92.03	2,760.90	
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Wall painting with premium acrylic emulsion paint of interior grade, 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.Two coats.

340	Steel work in built up tubular (round, s	54.000	KG	129.96	7,017.84	
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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.

Item : 1 - Const. of toilet at Madhanam
Plant : 3140 - NG Transmission -Tamil Nadu- Tamil Nadu (TN)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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Hot finished welded type tubes

350	Steel work welded in built up sections/	233.000	KG	82.76	19,283.08	
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Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.

In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete

360	Brick edging 7cm wide 11.4 cm deep to pl	18	M	40.75	733.50	
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Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).

370	Float glass panes	2	M2	1,501.06	3,002.12	
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Float glass panes 1 4 mm thick glass pane (weight not less than 10kg/sqm).

380	Cutting holes of required size in brick	2	EA	192.90	385.80	
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Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming

BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.

390	Providing and applying integral crystall	16	M2	242.92	3,886.72	
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Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining

walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI- 212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage. For horizontal surface one coat @1.10 kg per sqm.

400	Demolishing R.C.C. work manually/ by mec	1.500	M3	2,377.83	3,566.75	
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Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.

410	SANITARY & PLUMBING WORKS					
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420	Providing and fixing Chlorinated Polyvin	15	M	333.31	4,999.65	
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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. 15 mm nominal dia Pipes

430	Providing and fixing Chlorinated Polyvin					
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Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work

440	25 mm nominal dia Pipes	20	M	237.97	4,759.40	
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450	40 mm nominal dia Pipes	15	M	370.31	5,554.65	
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Item : 1 - Const. of toilet at Madhanam
Plant : 3140 - NG Transmission -Tamil Nadu- Tamil Nadu (TN)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
460	Providing and fixing gun metal gate valv					
Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :						
470	25 mm nominal bore	2	EA	416.75	833.50	
480	40 mm nominal bore	1	EA	553.13	553.13	
490	Providing and fixing brass bib cock of a	4	EA	236.52	946.08	
Providing and fixing brass bib cock of approved quality : 15 mm nominal bore						
500	Providing and fixing brass stop cock of	2	EA	236.52	473.04	
Providing and fixing brass stop cock of approved quality : 15 mm nominal bore						
510	Providing and fixing uplasticised PVC co	5	EA	65.45	327.25	
Providing and fixing uplasticised PVC connection pipe with brass unions : 45 cm length, 15 mm nominal bore						
520	Providing and fixing floor mounted, whit	1	EA	12,194.92	12,194.92	
Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.						
530	Providing and fixing wash basin with C.I	1	EA	1,773.61	1,773.61	
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						
540	Providing and placing on terrace (at all	1,000.000	L	7.36	7,360.00	
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.						
550	Providing and fixing PTMT liquid soap co	3	EA	112.72	338.16	
Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.						
560	Providing and fixing PTMT towel ring tra	2	EA	137.06	274.12	
Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.						
570	Providing and fixing 8 mm dia C.P. / S.S	1	EA	233.78	233.78	
Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.						
580	Providing and fixing soil, waste and ven	2	M	771.29	1,542.58	
Providing and fixing soil, waste and vent pipes : 17.35.1 100 mm dia Sand cast iron S&S pipe as per IS: 1729						
590	Providing and fixing on wall face unplas	2	M	252.70	505.40	
Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 110 mm diameter						
600	Providing and fixing on wall face unplas					

Item : 1 - Const. of toilet at Madhanam
Plant : 3140 - NG Transmission -Tamil Nadu- Tamil Nadu (TN)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.

610	Single tee with door	2	EA	156.78	313.56	
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110x110x110 mm

620	Single tee without door	2	EA	148.21	296.42	
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110x110x110 mm

630	Bend 87.5°	2	EA	100.67	201.34	
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110 mm bend

640	Providing and fixing white vitreous chin	2	EA	1,104.10	2,208.20	
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Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.

650	Providing and fixing 600x450 mm be	2	EA	1,076.65	2,153.30	
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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.

660	Providing and fixing soil, waste and ven	1	M	771.29	771.29	
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Providing and fixing soil, waste and vent pipes :
17.35.1 100 mm dia

670	Providing and filling joints with spun	5	EA	132.67	663.35	
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Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in S.C.I./ C.I. Pipes : 100 mm dia pipe

680	ELECTRICAL WORKS					
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690	Wiring for light point/ fan point/ exhau	6.00	P	817.56	4,905.36	
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Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Group A

700	Supplying and drawing following sizes of	20	M	121.19	2,423.80	
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Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 6 x 1.5 sq. mm.

710	Supplying and fixing following modular					
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Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.

720	5/6 A switch	10	EA	68.97	689.70	
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730	6 pin 15/16 A socket outlet	3	EA	131.91	395.73	
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740	Supplying and fixing following size/ mod					
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Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required

750	1 or 2 Module (75mmX75mm)	3	EA	199.53	598.59	
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760	6 Module (200mmX75mm)	2	EA	366.26	732.52	
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770	Supplying and fixing following Modular b					
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Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.

Item : 1 - Const. of toilet at Madhanam
Plant : 3140 - NG Transmission -Tamil Nadu- Tamil Nadu (TN)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
780	1 or 2 Module	3	EA	89.05	267.15	
790	6 Module	2	EA	121.87	243.74	
800	Supplying and fixing TP sheet steel encl	1	EA	1,065.96	1,065.96	

Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32 A 415 V "C" curve TP MCB complete with connections, testing and commissioning etc. as required.

810	Installation of exhaust fan in the exis	3	EA	301.31	903.93	
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Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.

Upto 450 mm sweep

820	20W LED Tubelight	3	EA	247.74	743.22	
830	200 mm Exhaust Fan	3	EA	768.00	2,304.00	

Work Order Item 00001 Basic Item Value : INR 534,031.40
(RUPEE FIVE HUNDRED THIRTY-FOUR THOUSAND THIRTY-ONE AND PAISE FORTY ONLY)
Item Specific Conditions :
Total Tax = 96,125.66
18 % IGST - Non Cenvatable-(IC)
Total item value including taxes & duties : INR 630,157.06

Item : 2 - Const. of toilet at Memathur
Plant : 3140 - NG Transmission -Tamil Nadu- Tamil Nadu (TN)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
10	CIVIL WORKS					
20	Surface dressing of the ground including	21	M2	22.87	480.27	

Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m. All kinds of soil

30	Earth work in excavation by mechanical m	21.000	M3	174.29	3,660.09	
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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. All kinds of soil.

40	Filling available excavated earth (exclu	8.000	M3	131.24	1,049.92	
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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.

50	Supplying and Filling with moorum/buildi	15.000	M3	536.56	8,048.40	
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Supplying and Filling with moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport
including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete
as per directions of Engineer-in-charge.

60	400 G polythene sheet	10	M2	8.71	87.10	
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Item : 2 - Const. of toilet at Memathur
Plant : 3140 - NG Transmission -Tamil Nadu- Tamil Nadu (TN)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
70	Half brick masonry with common burnt cla	37	M2	606.00	22,422.00	

Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : cement mortar 1:4 (1 cement : 4 coarse sand)

80	Providing and laying in position cement	4.000	M3	5,584.84	22,339.36	
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Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :

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)

90	Reinforced cement concrete work in beams	12.000	M3	7,703.81	92,445.72	
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CEMENT CONCRETE (CAST IN SITU) Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).

100	Centering and shuttering including strut					
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FORM WORK

Centering and shuttering including strutting, propping etc. and removal of form for

110	Foundations, footings, bases of columns,	5	M2	262.57	1,312.85	
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Foundations, footings, bases of columns, etc. for mass concrete

120	Lintels, beams, plinth beams, girders,	89	M2	493.08	43,884.12	
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Lintels, beams, plinth beams, girders, bressumers and cantilevers

130	Providing and laying damp-proof course 4	7	M2	275.10	1,925.70	
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DAMP-PROOF COURSE

4.10 Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)

140	Brick work with common burnt clay F.P.S.	8.000	M3	4,935.21	39,481.68	
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Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)

150	Brick work with common burnt clay F.P.S.	10.000	M3	6,256.75	62,567.50	
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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 1:4 (1 cement : 4 coarse sand)

160	Half brick masonry with common burnt cla	17	M2	752.47	12,791.99	
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Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement : 4 coarse sand)

170	Steel reinforcement for R.C.C. work incl	453.000	KG	72.22	32,715.66	
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Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.

180	Steel reinforcement for R.C.C. work incl	460.000	KG	72.22	33,221.20	
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Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.

190	CEMENT PLASTER (IN FINE SAND)					
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200	12 mm cement plaster of mix	25	M2	232.38	5,809.50	
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1:4 (1 cement: 4 fine sand)

Item : 2 - Const. of toilet at Memathur
Plant : 3140 - NG Transmission -Tamil Nadu- Tamil Nadu (TN)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
210	15 mm cement plaster of mix :	80	M2	267.46	21,396.80	

1:4 (1 cement: 4 fine sand)

220	20 mm cement plaster of mix :	25	M2	315.61	7,890.25	
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1:4 (1 cement: 4 fine sand)

230	CEMENT PLASTER WITH NEAT CEMENT	30	M2	319.99	9,599.70	
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CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT

15 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)

240	Providing and laying Vitrified tiles in	19	M2	980.83	18,635.77	
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Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, 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. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required

thickness, leveling system and rubber mallet for placing the tiles gently and easily. Glazed Vitrified tiles Matt/Antiskid finish of size 600 x 600 mm

250	Providing and fixing Ist quality ceramic	30	M2	848.99	25,469.70	
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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.

260	Providing and fixing factory made P.V.C.	17	M	329.90	5,608.30	
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Providing and fixing factory made P.V.C. door frame of size 50x47 mm with awall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineerin- Charge.

note:item rate included all fittings and fixing items like door hinges,screw etc.

270	Providing and fixing factory made panel	9	M2	2,453.20	22,078.80	
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Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side

PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+ 2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete

as per direction of Engineer-in-charge, manufacturer's specification & drawing. 30 mm thick pre laminated PVC door shutters

Item : 2 - Const. of toilet at Memathur
Plant : 3140 - NG Transmission -Tamil Nadu- Tamil Nadu (TN)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
280	Providing and fixing ISI marked oxidised	4	EA	29.66	118.64	

Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 100x10 mm

290	Providing and fixing stainless steel fan	6	EA	124.98	749.88	
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Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge. size 200mm.

300	EXTERIOR FINISHING					
310	Finishing walls with water proofing ceme	75	M2	78.28	5,871.00	

Finishing walls with water proofing cement paint of required shade :
New work (Two or more coats applied @ 3.84 kg/10 sqm)

320	Providing and applying white cement base	30	M2	104.49	3,134.70	
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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.

330	Wall painting with premium acrylic emuls	30	M2	92.03	2,760.90	
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Wall painting with premium acrylic emulsion paint of interior grade, 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. Two coats

340	Steel work in built up tubular (round, s	54.000	KG	129.96	7,017.84	
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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.

Hot finished welded type tubes

350	Steel work welded in built up sections/	233.000	KG	82.76	19,283.08	
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Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.

In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete

360	Brick edging 7cm wide 11.4 cm deep to pl	18	M	40.75	733.50	
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Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).

370	Float glass panes	2	M2	1,501.06	3,002.12	
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Float glass panes 1 4 mm thick glass pane (weight not less than 10kg/sqm).

380	Cutting holes of required size in brick	2	EA	192.90	385.80	
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Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming

BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.

390	Providing and applying integral crystall	16	M2	242.92	3,886.72	
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Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining

walls of the basement, water tanks, roof slabs, podiums, reservior, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI- 212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant

Item : 2 - Const. of toilet at Memathur
Plant : 3140 - NG Transmission -Tamil Nadu- Tamil Nadu (TN)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage. For horizontal surface one coat @1.10 kg per sqm.

400	Demolishing R.C.C. work manually/ by mec	1.500	M3	2,377.83	3,566.75	
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Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.

410	SANITARY & PLUMBING WORKS					
420	Providing and fixing Chlorinated Polyvin	15	M	333.31	4,999.65	

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. 15 mm nominal dia Pipes

430	Providing and fixing Chlorinated Polyvin					
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Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work

440	25 mm nominal dia Pipes	20	M	237.97	4,759.40	
450	40 mm nominal dia Pipes	15	M	370.31	5,554.65	
460	Providing and fixing gun metal gate valv					

Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :

470	25 mm nominal bore	2	EA	416.75	833.50	
480	40 mm nominal bore	1	EA	553.13	553.13	
490	Providing and fixing brass bib cock of a	4	EA	236.52	946.08	

Providing and fixing brass bib cock of approved quality :
15 mm nominal bore

500	Providing and fixing brass stop cock of	2	EA	236.52	473.04	
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Providing and fixing brass stop cock of approved quality :
15 mm nominal bore

510	Providing and fixing uplasticised PVC co	5	EA	65.45	327.25	
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Providing and fixing uplasticised PVC connection pipe with brass unions : 45 cm length, 15 mm nominal bore

520	Providing and fixing floor mounted, whit	1	EA	12,194.92	12,194.92	
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Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.

530	Providing and fixing wash basin with C.I	1	EA	1,773.61	1,773.61	
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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

540	Providing and placing on terrace (at all	1,000.000	L	7.36	7,360.00	
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Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with

Item : 2 - Const. of toilet at Memathur
Plant : 3140 - NG Transmission -Tamil Nadu- Tamil Nadu (TN)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
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cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.

550	Providing and fixing PTMT liquid soap co	3	EA	112.72	338.16	
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Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.

560	Providing and fixing PTMT towel ring tra	2	EA	137.06	274.12	
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Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.

570	Providing and fixing 8 mm dia C.P. / S.S	1	EA	233.78	233.78	
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Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.

580	Providing and fixing soil, waste and ven	2	M	771.29	1,542.58	
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Providing and fixing soil, waste and vent pipes :
17.35.1 100 mm dia Sand cast iron S&S pipe as per IS: 1729

590	Providing and fixing on wall face unplas	2	M	252.70	505.40	
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Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion,
(i) Single socketed pipes. 110 mm diameter

600	Providing and fixing on wall face unplas					
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Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.

610	Single tee with door	2	EA	156.78	313.56	
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110x110x110 mm

620	Single tee without door	2	EA	148.21	296.42	
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110x110x110 mm

630	Bend 87.5°	2	EA	100.67	201.34	
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110 mm bend

640	Providing and fixing white vitreous chin	2	EA	1,104.10	2,208.20	
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Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.

650	Providing and fixing 600x450 mm be	2	EA	1,076.65	2,153.30	
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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.

660	Providing and fixing soil, waste and ven	10	M	771.29	7,712.90	
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Providing and fixing soil, waste and vent pipes :
100 mm dia

670	Providing and filling joints with spun	5	EA	132.67	663.35	
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Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in S.C.I./ C.I. Pipes : 17.36.2 100 mm dia pipe

Item : 2 - Const. of toilet at Memathur
Plant : 3140 - NG Transmission -Tamil Nadu- Tamil Nadu (TN)

S.No.	Short Description	Qty.	UOM	Rate	Amount	AHR *
680	ELECTRICAL WORKS					
690	Wiring for light point/ fan point/ exhau	9.00	P	817.56	7,358.04	

Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Group A

700	Supplying and drawing following sizes of	20	M	121.19	2,423.80	
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Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 6 x 1.5 sq. mm.

710	Supplying and fixing following modular					
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Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.

720	5/6 A switch	5	EA	68.97	344.85	
730	6 pin 15/16 A socket outlet	3	EA	131.91	395.73	
740	Supplying and fixing following size/ mod					

Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required

750	1 or 2 Module (75mmX75mm)	3	EA	199.53	598.59	
760	6 Module (200mmX75mm)	2	EA	366.26	732.52	
770	Supplying and fixing following Modular b					

Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.

780	1 or 2 Module	3	EA	89.05	267.15	
790	6 Module	2	EA	121.87	243.74	
800	Supplying and fixing TP sheet steel encl	1	EA	1,065.96	1,065.96	

Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32 A 415 V "C" curve TP MCB complete with connections, testing and commissioning etc. as required.

810	Installation of exhaust fan in the exis	3	EA	301.31	903.93	
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Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.

Upto 450 mm sweep

820	20W LED Tubelight	3	EA	247.74	743.22	
830	200 mm Exhaust Fan	3	EA	768.00	2,304.00	

Work Order Item 00002

Basic Item Value : INR 619,033.18

(RUPEE SIX HUNDRED NINETEEN THOUSAND THIRTY-THREE AND PAISE EIGHTEEN ONLY)

Total Tax = 111,425.98

18 % IGST - Non Cenvatable-(IC)

Total item value including taxes & duties : INR 730,459.16

Total estimated contract value excluding all tax and duties : 1,153,064.58

(RUPEES ELEVEN LAC FIFTY-THREE THOUSAND SIXTY-FOUR & PAISE FIFTY-EIGHT ONLY)

Total estimated contract value including all tax and duties : 1,360,616.22

(RUPEES THIRTEEN LAC SIXTY THOUSAND SIX HUNDRED SIXTEEN & PAISE TWENTY-TWO ONLY)

Vendor Code: 108042358
FUSION ENGITECH PVT
LTD

LOA No. : GAIL/KRKL25-24/5300047024/20131855/BBA
LOA Date : 24.02.2026

*Service items marked YY under AHR column are AHR items. Any service item marked #Y or Y# confirmation is required from authorized dealing officer who shall be final authority regarding AHR declaration. However, service items marked #Y or Y# shall be treated as AHR unless confirmed Non-AHR by dealing officer.

Signature Not Verified

Digitally signed by Bishar Bin Ali
Date: 2026.04.29 12:22:14 IST
Location: eProcurement System for
Central PSUs