

**K.M.D. COLLEGE, PARBATTA**  
**MUNGER UNIVERSITY, MUNGER (BIHAR)**  
**(ADMINISTRATIVE BLOCK, SHASTRINAGAR, MUNGER, - 801201)**

Name of work – Tender no. kmd03/26 Construction of Staff toilet at KMD College Parbatta  
( To be mentioned on .....  
The envelop) .....

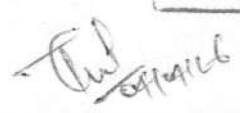
1. Estimated cost . 657770.00
2. Cost of B.O. Q. ( non – refundable) 700.00
3. Amount of earnest money . 131550.00
4. Time of completion . 4 MONTHS
5. Date and Time of sale of B.O.Q. 08.04.2026
6. Date of Submission of sealed tender 18.04.2026

**Notes :-**

- i. All casting shall compulsorily be done by using vibrator & mixer machine et pile work.
- ii. Unless otherwise specified only TATA, SAIL, JSW and JINDAL T.M.T. Steel shall be used.
- iii. The agency shall have to keep at least three cubes at the site of the work  
For quality testing. The expenditure on quality test shall be born by the Agency.
- iv. Only designation 100 A (First class) bricks shall be used.
- v. Only high class paints / Snowcem approved by E/I. And U.E. shall be Used.
- vi. Payments of works beyond agreement items if any shall be made as per S.R. plus %  
above or below on which the work is allotted to the agency.
- vii. It is compulsory to indicate total amount at the end after filling rate of each and every  
items separately failing which the tender is liable to be rejected.
- viii. No claims what so ever shall be entertained in case of any delay in the payment.
- ix. Only potable water shall be used in the construction work for which arrangement is to  
be made by the agency only.
- x. It will be compulsory to execute agreement within (15) fifteen days from the date of allotment of work, failing which the allotment shall be cancelled and Earnest Money deposited at the time of submission of tender shall automatically be forfeited.
- xi. Foundation work shall be executed as per site condition.
- xii. 1% cess in addition to Sale-Tax, Income tax and royalty shall be deducted as per rules  
from contractor's bills.

  
Registrar

**(Dr. Ghanshyam Roy)**  
**Registrar**  
**Munger University, Munger-811201**



**MUNGER UNIVERSITY, MUNGER (BIHAR)**  
**(ADMINISTRATIVE BLOCK, SHASTRINAGAR, MUNGER, - 801201)**  
**B.O.Q**

To be filled in by the Contractor.

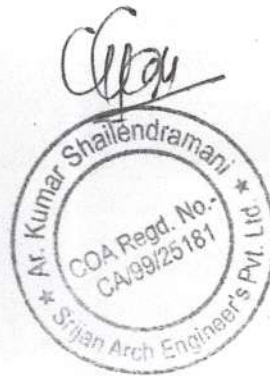
1. Name of work .....
2. Date of tender.....
3. Quoted rate (both in words and figures)
  - (a) On SR' (w.e.f 01.01.2022)-.....(in words.....)
  - (b) Below SR' (w.e.f 01.01.2022) )-.....(in words.....)
  - (c) Above SR' (w.e.f 01.01.2022) )-.....(in words.....)
4. Registration No. ....
5. Details of I.T.C.C. ....
6. Details of GST .....
7. Details of labour license AS / GOVT LAWS . ....
8. Time of complete required  
By the contractor. ....
9. Time of complete Money deposited &  
any other document if the tender wishes  
to furnish. ....
10. Signature of Contractor  
With full address & contact nos. ....

**Signature**

**KMD COLLEGE, PARBATTA**  
**MUNGER UNIVERSITY, MUNGER**  
**NOTICE INVITING TENDER**

1. Sealed tenders are invited in two bids ( technical and financial bid in separate envelope) on approved Bill of Quantity from Registered Contractor of appropriate category in University works Dept./ Building construction dept. govt of Bihar , to be eventually drawn in P.W.D. from no. F-2 will be received up to 3.00 P.M. on **10/04/2026** .by the Registrar, Munger University, Munger for the work and will be opened on the same day at 3.30 P.M. in the presence of tender or their authorized agents whoever may be present in the office of the Registrar. Munger University.
2. Tenderers should quote rates as below / above/ on B.O.Q. rates on the percentage basis both in figure and words of all items of works as a whole. They are also required to quote rate against each item of work separately.
3. The rate shall be inclusive of all taxes, royalties, carriages and all other incidental charges, payment of which will be sole responsibility of Contractors.
4. (a) The amount of estimate is 657770.00  
(b) Percentage of rate quoted shall be up to two places after decimal and not lower and above .  
 $A-B/Ax 100 < \text{or} = 15\%$  will be deemed to be unworkable and tenders containing such rates will be out rightly rejected.  
Where A = Estimated amount.  
B = Quoted amount .
5. The work is to be completed within a period of **3 months** From the Date of issue of written order of commencement of the work.
6. All tenders are required to deposit Earnest Money of Rs. 13155.00 In the shape of Six years N.S.C., five years post Office time deposit, Bank draft etc. duly pledged in favour of the Registrar, Munger University .  
Tender not accompanied with Earnest Money in From the specified above shall be out rightly rejected
7. All information can be obtained from the office of the Registrar, on submission of application addressed to the Registrar.
8. B.O.Q. can be obtained from the office of the Registrar, University or download from university web site **mungeruniversity.ac.in** , Munger University, Munger.....on payment of Rs. 700.00 ( Non – refundable) on production of upto date labour license, Sale Tax Registration & Clearance certificate, income Tax Clearance Certificate, Contractors Registration Certificate & Character Certificate on any working day as mentioned in the N.I.T. during working hours except on the date of receiving tender. The down load tender documents may be submitted to the authority along with the cost of BOQ and earnest money.
9. Authority reserves the right to reject any or all the tenders received, no reaction for the rejection of all or any of the tenders, whatever will be given. Authority also reserves the right to distribute the work among two or more tenderers.
10. The Earnest Money of the successful tenderer will be for forfeited in case he declines to sign, the agreement of contract or to deposit balance of stipulated initial security money within ten days of being called upon to do so after acceptance of this tender.
11. Conditional tender will not be accepted.

12. It will be obligatory on the part of the tenderer to keep his offer open for acceptance for the period of 180 days from the date of opening tenders.
13. N.I.T. and special conditions will form the part of the agreement.
14. GST equal to 2% (two percent) shall be deducted from the bills.
15. Tenderer shall have to submit the Photostat copy of up to date income tax Clearance Certificate, Sales -Tax clearance Certificate, Labour License, Contractor's Registration Certificate, Character Certificate with tender papers, otherwise the tender shall be rejected.
16. Contractor should be registered with the Sales Tax dept. and a photocopy of the Registration Certificate should accompany with the tender paper otherwise the tender shall be rejected.
17. Bill of Quantity shall be issued to the contractors on production of Sales Tax Certificate, Contractors Registration Certificate, I.T. & S.T. Clearance Certificate & Character Certificate etc. in original.
18. A photocopy of the Character Certificate from the District Magistrate / Superintendent of Police duly signed by the competent authority should be attached with the tender paper otherwise the tender shall be rejected.



University Engineer/Architect  
Munger University , Munger

**Retired Executive Engineer**  
Building Construction Department  
Govt. of Bihar

# KMD COLLEGE, PARBATTA

## MUNGER UNIVERSITY, MUNGER

### SPECIAL CONDITIONS

1. (a) Tender must be accompanied by a letter stating works of similar nature and magnitude done by the tenderer with the name of work, value of contract, time, actually taken in completion of the work ( starting briefly the reasons for delayed completion of work, if any ) and a certificate from the Executive Engineer/ University Engineer under whom the work has been executed will the seal of his office.
  - (b) Details of other works of similar nature and magnitude tendered for an in hand on the date of this tender with aforesaid details mentioned in the proceeding sub-para.
  - © Details of technical personnel's to be employed by the tenderer on this particular work starting their qualification and experience.
  - (d) Details with descriptive narration of plants and machineries for period of at least three years to be used and the position regarding a viability of the same with the copies of certificates if any.
2. Tenderer must examine the site and the various aspects likely the construction and cost and then quote rate with full knowledge of all condition.
3. The work must be carried out strictly as per.
  - (a) Department specification and in absence of the same I.S.I specification.
  - (b) Design and Drawing duly approved by competent authority. Ignorance of the specification and design and drawing shall not be any excuse and work found contrary to above shall not be acceptable and paid and shall be got removed at contractors cost.
5. All rate quoted in the tender should be for complete job including all carriage, royalty, GSTax, Income Tax and other taxes, the payment of which shall be sole Responsibility of the contractor .
2. Rules laid down in motor Vehicle Act -xx will have to be followed.
3. Labour Rules fixed form to time to time shall have to be followed .
4. Stone chips, stone metals, bricks and sand confirm to I.S.I. specification and shall be as per samples approved by the Engineer in - Charge.
5. The centering and reinforcement for the R.C.C. work and wood work in doors and Windows and roof members should be got approved by Engineer- in- charge before taking up sequence of works.
6. Tender has to make complete arrangements for all accessories, plants and machines required for the execution of the work.
7. The contractor shall be use tools and plants, machineries and equipments after duly approved by Engineer in - charge , for different works for which hire charges will not be payable by the Dept..
8. Contractor shall have to maintain necessary technical organization for proper execution of works. He should employ only such persons who are skilled and experienced in their similar trades and working and the University Engineer shall be at liberty to object and require the contractor to remove from works any person employed by the contractor who is in his opinion

guilty of his conducts or is in compliant or negligent in proper performance of his duties and such person shall not be employed by the contractor without permission of the University Engineer.

9. No conditional tender will be accepted.
10. Structural steel should be cleaned of foreign materials before use at the cost of contractors.
11. No building materials shall be supplied by the University Works departments.
12. Any addition and alternation in the work must be done under of the competent authority in before the rank of University Engineer. The contractor shall get such orders from competent authority in writing or duly entered in site order hook conveying sanction by officer not below the rank of Assistant Engineer.
13. Site order book and reinforcement register shall be maintained by the junior Engineer site or work for noting anything concerning the work which will be the property of the Deptt. The contractor will mention the name of his authorized representative and attest his signature in the site order Book, who will receive instruction and comply them on his behalf as if instructions have been received and complied by him (contractor).

A copy of the entries in the site order book may be had from the junior Engineer if the contractor so desires. In case the instructions are not being signed and complied by the authorized representative deliberately. Note to this effect will be made by the Junior Engineer who in turn will produce the said as deemed fit under the relevant clauses of the agreement. After the Engineer in-charge is informed and he agrees with the remarks of junior Engineer the order or instruction given will have the same effect as if given on the date mentioned but not signed in disobedience to instructions. The contractor can also write on the site order book regarding compliance of the orders and problems if he has any.

14. The value of work to be done should not exceed the agreement amount without the prior permission of the Engineer in-charge of work.
15. Payment will be made subject to availability of fund and no claim what so ever shall be entertained for non-payment on this score.
16. quoted rates shall be based on leads from sources of essential/building materials as given in annexure-1 and if the actual collection is made on shorter leads that what mentioned in tender documents than approved rated shall be modified subsequently proportional to difference in lead by the authority accepting the tender and in the event of collection of materials from sources at higher lead than that mentioned in tender document, process of collection should take place only after approval of the same by the authority competent of approve the tender.
17. Sand for brick masonry shall confirm to I.S.2160-1905 and fineness modulus shall not be less than 1.8 fine silt passing 203 B.S. sieve or micron sieve shall not be more than 5% in any case.
18. Sand for concrete work shall be of approved grading and fineness modulus shall not be less than 2.2 in any case and for other works fineness modulus will be less than 1.8.
19. All necessary labour, land, materials, equipments etc for sampling and preparing test specimen for different type of construction with minimum desired frequency given below shall be provided by the contractor. Testing of materials and concrete may be arranged by the engineer in- charge in an approved laboratory at the cost of the contractor.

<u>Type of construction &amp; materials</u>	<u>type of test</u>	<u>Maximum desirable frequency</u>
(a) Controlled & ordinary concrete	(i) work strength test	For each day of concerning Test shall be conducted on ten specimens. Five of seven & remaining. Five at 28 days
	(ii) Workability of concrete	One test per 10M <sup>3</sup>
	(iii) Cements (physical &	Once for each of supply and

	Chemical test) occasionally when called for In case of long& or improper Storage.
(iv) Coarse and fine aggregate	One test per 15m <sup>3</sup> part Aggregate thereof.
(v) Gradation test Bulking	once for each source for Of five aggregate (forderiving the moisture Volume batching) content & bulking relationship.
(vi) Los Angles Abrasion	One for each source of supply. Value Aggregate impact Test Brick Masonry
(vii) Los Angles Abrasion	one for each source of supply. Value Aggregate impact Test

20. The contractor will have to submit a phased programmed for the completion of the major itemed of works which after approval by the University Engineer shall be strictly adhered to. In addition he shall submit a phased fortnightly programmed of process of construction of each item so as to complete the work within the specified period of completion.
21. The authority reserves the right of deleting any item out of the tendered items without any violation of the contract.
22. Before executing agreement the tenders are required to produce a copy of registration and license for labour contract with labour dept. Govt. of Bihar as per labour contract Act. 1970 and its subsequent amendments, if any, without which the agreements may not be executed and Earnest Money may be forfeited if deemed fit.
23. All the materials to be used in works most be shown & got approved by the Engineer in-charge before using them in works and brought to site for actual consumption in works.
24. Recovery on account of royalty & access on materials used in the will be made from running on account on account bills to the event involved at rate approved by the concerned Govt. dept. From time to time during the entire period of contract till payment of final bill. Part or full amounts so deducted can only be refunded after obtaining clearance to the effect from the District Mining Officer.
25. All laborer are to be paid wages as per current, minimum wages Act .During the entire period of execution of work .
26. The contractor will provide labour but, drinking water etc to the labours working at site and keep the site clean and tidy at his own cost as per rules and regulations of the Govt . of Bihar and central Govt. of which be should keep himself fully conversant and upto date .
27. All materials to be supplied by the contractor for use in work should be got approved by the engineer in - charge prior to their use in works. All rejected materials shall have to be removed promptly sand latest within 10 day after rejection from the site otherwise the Engineer - in - charge can dispose them off in any way he likes and for which no claim what so ever will be payable . The cost involved in their removal will also be recovered from the contractor and a certificate to this effect from the Engineer - in -charge shall be final bindings and conclusive on the contractor
28. No. claim will be entertained for other items of work if done by the contractor unless order in writing by officer not below the rank of Engineer-in-charge himself and verbal orders will not be binding on either side .
29. Payment may be completely denied for particular unfinished items of work , if deemed fit by the Engineer-in- charge.
30. The contractor will not be compensated for any loss due to increase in hire or running charges of vehicles of equipments and plants , either by central state or semi - Govt.Private bodies.

31. The contractor shall be responsible for all sorts of accidents occurred due to mismanagement of the contractor who shall be responsible to pay any damage or compensation on account of such accident.
32. The department will not pay compensation for the loss incurred due to :
- (i) Labour strikes
  - (ii) Payments to labours arising out of the award by labour tribunal for any part of the strike period or enhanced wages.
  - (iii) Any losses suffered due to war or enemy action whether declared or undeclared.
  - (iv) Fire, Famine, epidemics, riots or any other natural calamities.
  - (V) Stoppage of work due to any cause of circumstances.
33. G S tax shall be charged 1% for each /GST /CGST from the Bills.
34. Contractor should be registered with the sales tax dept. And a photo of the registration certificate should accompany with the tender paper.
35. A photo copy of character certificate obtained from the District Magistrate / Superintendent of Police duly signed by them should be attached with the tender paper otherwise the tender shall be rejected.



University Engineer/architect

  
Retired Executive Engineer  
Building Construction Department  
Govt. of Bihar

**KMD COLLEGE, PARBATTA**  
**MUNGER UNIVERSITY**  
( Administrative Block, Shastrinagar, Munger – 811201)

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**DECLARATION**  
(To be filled in the contractor / agency )

I sri -----son of Sri-----of

Village / mohalla-----P.O-----

P.S-----Distt-----Telephone/mobile no-----

Hereby declare that under any circumstances I would not sublet the work of construction of

.....if

Allotted to me . I further declare that I would undertake the execution of agreement and all official works my self. The execution of works, preparation of bills and receipt of bills etc. shall be done directly by me and not by any of my authorized persons . if at any stage it is found that the work has been sublet or is being sublet rhe tender / allotment of work will be rejected and the E/M./S.D. shall be forfeited.

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Signature

Place : -----

Mo:-----

Date : -----

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Note : The tender is liable to be rejected if not accompanied with this declaration form duly filled in .

KMD COLLEGE, PARBATTA							
MUNGER UNINVERSITY , MUNGER							
WORK :- BILL OF QUANTITY FOR THE CONSTRUCTION OF THE STAFF TOILETS AT KMD COLLEGE, PARBATTA , BIHAR BASED ON CURRENT SOR OF 2022							
Rates are based on SOR 2022 (w.e.f. 01.01.2022) for Civil & SOR 2023 (w.e.f. 01.09.2023) for Electrical Works							
BUILT UP AREA=3.04x2.13=6.48 sqm							
Sl.No	Item Code	Discription	Repair	Quantity	Unit	Rate	Amount
<b>ESTIMATE FOR CIVIL WORK</b>							
1	2.29.1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m	20	380.95	100sqm	1,355.40	
2	20.3.1	Making 25 cm (10") dia bore up to 4 mtr depth below ground with hand auger of approved quality in ordinary soil (vide classification of soil item A ) true to plumb and without eccentricity in any stage of operation and disposal of the excavated earth up to 50 mtr . Lead including all lifts , all concrete volume-3.14x.25x21/4=1.03	21.00	21.00	M	2,334.40	
3	2.8.1	Earth work in excavation 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.	24.92	24.92	cum	360.70	
4	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	8.33	8.33	cum	287.30	
5	11.7	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	19.57	19.57	sqm	283.30	
6	5.2.2	Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, cap beam abutments, posts and struts, etc. upt floor five level excluding cost of centring, shuttering, finishin and reinforcement 1:1.5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	1.42	1.42	cum	5,670.00	
7	5.3	Reinforced cement concrete work in beams,suspended floors, roofs having slope upto 15, landings,balconiec, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excludingthe cost of centring, shuttering, finishing and reinforcement with 1:2:4(1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size).	8.86	8.86	cum	5,335.90	
8	5.9	Centring and shuttering including strutting,propping etc. and columns etc.	65.79	65.79	cum	211.60	
9	5.9.1	Lintels, beams, plinth	1.35	1.35	cum	404.70	
10	5.9.2	roofs,	35.59	35.59	cum	544.60	
14	5.2.2	Reinforcement for r.c.c. Work including straightening , cutting bending, placing in position and binding all compelete job etc - 11.31@105.84 kg/m3=1200 kg	240.00	240.00	KG	94.50	
15	5.2.2	Thermo-Mechanically Treated bars TMTC-500-8mm dia.-	480	480.00	KG	92.60	
16	5.2.2	Thermo-Mechanically Treated bars TMTC-500-10mm dia.-	480	480.00	KG	90.80	
17	15.60 BCD	Providing for Disposal of earth. All Complete job etc.	24.92	24.92	cum	219.30	
21	6.1.1 2/1	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :.4 (1 cement: 4 coarse sand )	12.99	12.99	cum	5,017.90	
22	6.3A	Extra for Brick work in superstructure above plinth level upto floor V	12.99	12.99	cum	842.20	
17	6.12A	Providing half brnk masonry with bricks of class designation 100A incement mortar 1:3 (1 cement: 3 coarse sand ) in supersturcture forclosing cavity 5 to 7.5	43.66	43.66	sqm	599.30	

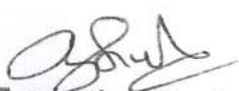
SRUJAN ARCH ENGINEER PVT,LTD

Retired Executive Engineer  
Building Construction Department  
Govt. of Bihar



## ESTIMATE FOR CONSTRUCTION WORK

Sl.No	Item Code	Description	Repair	Quantity	Unit	Rate	Amount
18	6.19A	Extra for half Brick masonry in superstructure above pinth level upto floor V level	43.66	43.66	sqm	89.70	
19	6.21A	Extra for providing and placing in position 2 Nos, 6 mm dia, MS bars at every	43.66	43.66	sqm	113.60	
23	13.24	6 mm cement plaster to ceiling of mix : 1:3(1 cement: 3	27.14	27.14	sqm	131.30	
24	13.12	15 mm cement plaster on rough side of single or half brick	100.13	100.13	sqm	162.80	
25	13.13	20 mm cement plaster of mix : 1:6 (1 cement: 6 coarse	37.38	37.38	sqm	192.10	
<b>PUTTY AND PAINTING WORK</b>							
26	13.46 .1	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two or more coat applied @ 1.67 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	37.38	37.38	Sqm	137.00	
27	9.48 2	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flat square or round bars etc all complete Fixed to openings/ wooden frames with rawl plugs screws etc. 32Kg/sqm	15.49	15.49	KG	161.10	
28	13.48 .3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture.	1.44	1.44	Sqm	45.70	
29	9.118 .3	25mm thick PVC flushdoor shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mmX25 mm or less as per requirement with an average wall thickness of 1mm(±0.3mm). PVC foam end cap of size 23x10 mm are provided on both vertical edge to ensure the overall thickness of 25 mm. An M.S. tube having dimensions 19mmx19mm and 1.0mm(±0.1mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25mmX11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places.	5.82	5.82	sqm	2,450.50	
30	9.1.2	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixing in position with hold fast lugs or with dash fasteners of	0.38	0.38	cum	95,670.70	
31	13.48 .2	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/ 10	11.64	11.64	sqm	103.30	
<b>FLOOR/ROOF WORK</b>							
<b>GROUND WORK</b>							
32	4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-	1.1436	1.14	cum.	3,998.10	
33	11.4	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) 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 @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	4.7762	4.78	sqm	795.00	
34	11.4	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as white, Ivory, Grey, Fume Red, Brown, laid on 20 mm thick Cement mortar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete	9.53	9.53	sqm	686.80	
<b>BILL OF QUANTITY FOR WATER SANITARY, WATER SANITARY WORK INSTALLATION</b>							
35	18.5	Providing and placing terrace water storage tank isi	1000	1,000.00	lt	9.70	

  
**Retired Executive Engineer**  
 Building Construction Department  
 Govt. of Bihar



## ESTIMATE FOR CONSTRUCTION WORK

Sl.No	Item Code	Description	Repair	Quantity	Unit	Rate	Amount
	17.1	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 fixtures complete, including cutting and making good the walls and level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors wherever required :					
36	17.1.	White Vitreous china Orissa pattern W.C. pan of size	2.00	2.00	Nos	4,470.90	
37	17.7.3	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- (a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer :	1.00	1.00	Nos	2,530.30	
	17.8	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of	-	-	Nos	1,500.00	
	17.3	Providing and fixing P.V.C. waste pipe for sink or wash	-	-			
	17.28	Semi rigid pipe	-	-			
38	17.28.2.2	40 mm dia	1.00	1.00	Nos	101.70	
39	17.3	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm	1.00	1.00	Nos	1,068.50	
	12.8	Providing and fixing PVC Soil ,Waste & vent pipes all	-	-			
40	12.78	110 mm dia	30.00	30.00	M	257.50	
41	12.78	75 mm dia	10.00	10.00	M	162.70	
	12.8	Providing and fixing PVC fittings all complete	-	-			
42	12.79	110 mm plain bend	4.00	4.00	Nos	132.00	
43	12.79	110 X 110 mm dia plain tee	4.00	4.00	Nos	190.70	
44	12.79	110 X 110 mm dia door tee	4.00	4.00	Nos	193.40	
45	12.79	110 mm dia X 45 Bend	4.00	4.00	Nos	132.00	
46	12.80	110 mm pipe clip	4.00	4.00	Nos	182.72	
47	12.79	75 mm elbow	4.00	4.00	Nos	91.80	
48	12.79	75 mm plain tee	4.00	4.00	Nos	124.20	
		<b>WATER SUPPLY</b>					
	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC)pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.	-	-			
	18.7.	32 mm Nominal outer dia pipes	-	-	M	395.20	
	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC)pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per	-	-			
		Concealed work, including cutting chases and making good	-	-			
49	18.8.	20 mm Nominal outer dia pipes	60.00	60.00	M	350.80	
50	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to	1.00	1.00	NOS	500.40	
51	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing	3.00	3.00	NOS	708.40	
	18.2	Providing and fixing gun metal gate valve with C.I. wheel of	-	-			
52	18.17	32 mm Nominal bore	3.00	3.00	NOS	589.90	
	18.2	Providing and fixing uplasticised PVC connection pipe with	-	-			
	18.21	45 cm length	-	-			
53	18.21	15 mm Nominal bore	3.00	3.00	Each	85.20	
	18.5	Providing and fixing G.I. union in G.I. pipe including cutting	-	-			
54	18.46	32 mm dia. Nominal bore	3.00	3.00	Each	306.00	
55	17.7	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	1.00	1.00	Each	146.30	
		Add 6% GST beyond 12%, Multiplying factor -0.0536					
				<b>Total - A</b>			
		<b>BILL OF QUANTITY FOR ELECTRICAL WORK</b>					
		SUB DISTRIBUTION PANELS					

  
 SRIJAN ARCH ENGINEER PVT LTD  
**Retired Executive Engineer**  
 Building Construction Department  
 Govt. of Bihar



## ESTIMATE FOR CONSTRUCTION WORK

Sl.No	Item Code	Description	Repair	Quantity	Unit	Rate	Amount
	2.12	Supplying and fixing following rating, 24A14L5 volts, "C" curve, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required'					
56	2.12.	6-32 amps, Single pole	4.00	4.00	Each	237.00	
		<b>INTERNAL WIRING</b>					
	1.7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
57	1.7.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	50.00	50.00	Mtr.	201.00	
58	1.7.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	20.00	20.00	Mtr.	246.00	
		<b>Point wiring for Power socket Point Circuits</b>					
	1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable on surface medium class PVC conduit					
59		BULB	2.00	2.00			
60		TUBE	1.00	1.00			
61		EXHAUST FAN	2.00	2.00			
62	1.3.3	Group C	5.00	5.00	Point	1,146.00	
		Power Wiring for Power Socket Point Circuit					
63	1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	2.00	2.00	Nos	424.00	
64	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	2.00	2.00	Nos	531.00	
65	2.19	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	2.00	2.00	Nos	1,513.00	
66	1.33	Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	2.00	2.00	Each	64.00	
67	1.34	Supplying and fixing batten/ angle holder including	2.00	2.00	Each	80.00	
		<b>INSTALLATION ACCESSORIES</b>					
	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.					
68	1.21.	25mm dia conduit pipe	30.00	30.00	Mtr.	139.00	
69		<b>Carriage Cost of Materials</b>					
	A	Bricks		7.048	Th.	750.66	
	B	Coarse Sand		11.171	Cu.m	856.62	
	C	Local Sand		11.266	Cu.m	281.35	
	D	Stone Chips		10.009	Cu.m	2,060.38	
	E	Cement		5.223	MT	492.75	
	F	Steel		1.550	MT	492.75	
		Add 6% GST beyond 12%, Multiplying factor -0.0536					
		<b>Total - B</b>					
70		<b>Add Extra Cost for Seigniorage fee</b>					
	(A)	Coarse Sand		11.171	cum	25.08	
	(B)	BRICK		7.048	cum	0.34	
	(C)	Stone Chips		10.009	cum	83.61	
71		<b>extra cost of materials</b>					
	(A)	Bricks (8KM)		10.009	cum	359.04	
	(B)	cement (7KM)		4.952	MT	356.44	

  
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