



Netarhat Residential School
Netarhat

(An Autonomous Institution under School Education & Literacy Department, Govt. of Jharkhand)

Invites

Tender Notice No-986,Dated -21.05.2017

Tender Document For constructing wash room, well plumbed with overhead Tank and Necessary electrical work in 4th Grade staff quarter at Netarhat Residential School at Netarhat-835218, District-Latehar, Jharkhand

Sealed tenders are invited for Netarhat Residential School, Netarhat from reputed parties/Company/contractors having relevant experience in Civil Construction of wash room, well plumbed with overhead Tank and Necessary electrical work in 4th Grade staff quarter at Netarhat Residential School at Netarhat-835218, District- Latehar, Jharkhand

Terms and Conditions

1. Eligibility Criteria

- a) The Bidder should be a leading name in the field of respective work which are being mentioned in our Tender.
- b) Bidder should have experience in Civil Construction Work.**
- c) The bidders must submit self-attested copies of last 3 years Income Tax return in the name of the firm/proprietor/partner.
- d) The bidder shall provide the Registration number of the firm along with the VAT/CST/WCT/GST No. and the PAN Number allotted by the concerned authorities.
- e) One OEM can give only one quote either directly.
- f) The bidder must not be blacklisted either by Netarhat Residential School, Netarhat or any other University/institution/Government department. An affidavit to this effect must be submitted.
- g) Entire work must be implemented within stipulated time from the date of issue of Work Order/Purchase order. Delay in delivery will have penalty of 0.5 % of order value per week to total of 5% of order value.
- h) Netarhat Residential School, Netarhat reserves the right to cancel or giving the order to some other party who have contested in this tender if it is not deployed even after the date mentioned in the purchase order.
- i) Vendor has to furnish the required document for the construction of washroom, well plumbed with overhead tank and necessary electrical work. A detailed layout plan document must be submitted to the school along with the bid.
- j) The complete List of items with specification and quantity of requirement is mentioned in Annexure I of this tender document. The bidder has to quote strictly in format of the Annexure I.**

- 2. Cost of tender :-**Cost of tender form is Rs. 1000.00 which is to be submitted in the form of bank draft from any nationalized bank in favor of the Principal, Netarhat Residential School payable at Netarhat and must be enclosed with the tender form. Cost of tender form is Non-refundable.

3. Earnest Money Deposit :-

The interested firm may put the complete document in all respects along with Earnest Money Deposit (EMD) as a Demand Draft from any Nationalized bank drawn in favor of Principal, Netarhat Residential School at Netarhat. The detail of payable EMD is mentioned below :-

- a. The bidder should deposit Rs. 5,000/- as EMD.
- b. The EMD should be enclosed in a separate envelop marked for the same and nothing to be made in the original covering letter.
- c. The EMD will be returned to the successful bidder on providing the security deposit.
- d. EMD will not be waived under any circumstances.
- e. Non submission of EMD will lead to rejection of tender at the opening stage itself.

4. Security Deposit

- a. Within fifteen (15) days of the award of Work order, the vendor shall furnish a security deposit amounting to 5% of the work order value in the form of Bank Guarantee/ Bond/FD(**from scheduled Bank only**) favoring the Principal, Netarhat Residential School, Netarhat. The security deposit should be valid for the entire warranty period.
- b. All Bank details like Name, address, phone/fax no., e-mail etc. should be mentioned clearly.
- c. The security deposit will be forfeited in the case of non-execution of the order and non-compliance of the terms and conditions provided in the tender document.
- d. The security deposit should be kept for one year from the date of issuing the work order.**
Entire warranty maintenance period i.e one year.

5. Submission of Tender

- a. Separate envelopes for Tender fees, EMD, should be placed in one envelop.
- b. The tender has to be dropped in the TENDER BOX kept for this purpose in the Principal's Office on due date: **31st May, 2017 on or before 11.30P.M.**
- c. The Institute reserves right to ignore any tender which fails to comply with the above instructions.

- d. The tender not submitted in the prescribed format or incomplete in detail is liable for rejection. The School will not be responsible for the non-receipt of quotation within the specified date and time due to any reason including holidays or delays. The bidder should submit the following documents :
- i. Annexure – I
 - ii. Registration No. of the Firm/Vendor/Company.
 - iii. VAT/CST Registration Certificate
 - iv. Income Tax Registration Certificate
 - v. Work Order if any
 - vi. EMD with covering letter
 - vii. Three Years IT Return Certificate
 - viii. Affidavit for not being blacklisted from any instruction.
6. **Opening of Tender:** - The tender will be opened in the office of The Principal, Netarhat Residential School, Netarhat on **01st June, 2017 at 3.30 P.M.**
7. **Payment Terms**
- a) The offer should include the cost of equipment and all required accessories inclusive of all taxes and statutory levies. Labor/ installation charges if any should be mentioned separately (inclusive of taxes livable on them).
 - b) Vague terms like “packing, forwarding, transportation etc. extra” without mentioning the specific amount will not be accepted. Such offers shall be treated as incomplete and rejected.
 - c) Bidders shall indicate their rates in clear/visible figures as well as in words and shall not alter/overwrite/make cutting in the quotation. In case of a mismatch, the rates written in words will prevail.
 - d) Discount, if any, should be indicated prominently.
 - e) **Payment will be made after the successful completion of their scope of work mentioned in respective work/purchase orders. However, Principal, NetarhatVidyalaya reserves the right to consider any appeal with regard to amendment in payment terms if any.**
8. **Work Completion** :The supplier shall complete the work within one month from the placement of the work order. The work asked in the Tender is tentative ; however it may marginally increase/decrease at the time of placing of order.
9. **Clarification of Offers** :To assist in the scrutiny, evaluation and comparison of offers, The School administration may, at its discretion, ask some or all vendors for clarification of their offer. The request for such clarifications and the response will be in writing.
10. **No Commitment to Accept Lowest rate in the Tender procedure.**
- i. The School shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers including those received late or incomplete without assigning any reason whatsoever.
 - ii. The school reserves the right to make any changes in the terms and conditions of the work.
 - iii. The School will not be obliged to meet and have discussions with any vendor, and or to listen to any representations.
11. **Order Cancellation**
- a) Delay in work beyond the stipulated time mentioned in the work order from the date of issue of the work order.
 - b) Breach by the tenders of any of the terms and conditions of the tender.
 - c) Any action by the vendor, which is in breach of law or accepted practices in the commercial transactions.
 - d) If the Firm/Vendor goes into liquidation voluntarily or otherwise.
12. **Tender updates:**-Prospective bidders please refer to our website www.netarhatvidyalaya.com for any changes which may appear from time to time.
13. **Signing of Tender:** -The Tender is liable to be rejected if complete information is not given therein or if the particulars and date (if any) asked for in the schedule to the Tender are not fully filled in or not duly signed/authenticated. Specific attention is drawn to the delivery dates and important conditions referred to in Annexure enclosed herewith. Each page of the tender documents required to be signed and bears the official seal of the bidders.

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14. Amendment in tender conditions -The Principal , Netarhat Residential School, Netarhat reserves all right to amend or withdraw any of the terms and conditions contained in tender document or to reject any or all tenders without giving any notice or assigning any reason. The decision of the Principal in this regard shall be final and binding on all.

15. WarrantyMaintenance :-After the completion of work the vendor should maintenance whole work till one year i.e. warranted period. Vendor could quote AMC if any.

16. Enquiry: -All query and clarifications regarding this tender can be had from the

**1. Mr.BindhyalPandey,2. Mr. Roshan Kumar Baxi
(Principal)(Bursar)**

Netarhat Residential School,Netarhat Residential School,

Netarhat-835218Netarhat-835218

LateharLatehar

Ph no- 06569- 277644Mob No- 9771521409

NETARHAT RESIDENTIAL SCHOOL

DISCRIPTION OF CIVIL WORKFOR CONSTRUCTING OF TOILET WITH SEPTIC TANK AND NECESSARY ELECTRIC WORKat Netarhat Residential School at Netarhat.

(PLEASE FILL THE RATE & SUBMIT WITH QUOTATION)

ANNEXURE – 1

S.No.	Particulars	Quantity	Unit Rate	Total in (Rs.)
01.	Item No. (1) 5.1.1. Earth work in excavation in foundation trenches in all kind of soil – Septic tank - 1 x 17'0" x 8'6" x 7'6" – 1083.75 cft. Sump - 1 x 8'3" x 5'9" x 2'0" – 94.88 cft. Boundary wall Pillar - 16Nos x 2'0" x 2'0" x 2'6" – 160.00 cft. Wall - (158'8"-32'0") x 2'0" x 2'6" – <u>633.33 cft.</u> Total – 1971.96 cft.			
02.	Item No. (2) DSR.2.7.3. Extra for hard rock cutting – (blasting prohibited) – 8.25 m3			
03.	Item No. (3) 5.1.10. Providing coarse clean sand filling in foundation & plinth – Septic tank -1 x 17'0" x 8'6" x 0'6" – 72.25 cft. Sump - 1 x 8'3" x 5'9" x 0'6" – 23.72 cft. Boundary wall Pillar 16Nos x 2'0" x 2'0" x 0'6" – 32.00 cft. Wall (158'8"-32'0") x 2'0" x 0'6" – <u>126.67cft.</u> Total – 254.64 cft. For land developing L/S - 500.00 cft. Net total 754.64 cft.			
04.	Item No. (4) 5.6.3. Providing 75 B one brick flat soling joints filled with sands – <u>254.64 cft.</u> = 509.28sft. 0'6"			
05.	Item No. (5) 5.3.5.1. Providing RCC (1:1x1/2:3) in foundation & plinth with stone chips 20mm to 6mm size Excluding the cost of reinforcement Pillar -16No.x2'0"x2'0"x0'8"—42.62cft			
06.	Item No.(6) 5.3.2 Providing P.C.C.(1:2:4) in foundation & plinth with stone chips 20mm to 6mm size Boundary wall 126'8"x2'0"x0'5" -105.39cft Floor- Septic tank -17'0"x8'6" -72.25cft Water storage tank sump -8'3"x5'9"x0'4" -15.80cft W.C. 2Nos.x3'6"x5'0"x0'4" -11.66cft 4 Nos.x3'6"x4'6"x0'4" - 20.98cft Bath -1 Nos.x4'6"x5'0"x0'4" - 7.49cft 3Nos.x5'0"x6'0"x0'4" -29.97cft Total -- 263.54cft			

07.	Item No. (7) 5.3.12.1	Providing R.C.C. (1:1x1/2:3) in stiffeners with stone chips 20mm to 6mm size excluding the cost of reinforcement – 16 Nos x 0'10'' x 0'10'' x 7'3'' – 80.49 cft.			
08.	Item No. (8) 5.2.6.	Providing 75B brick work in C.M. (1:6) in foundation & plinth – $(158'8'' - 13'4'') \times 1'3'' \times 0'7'' - 141.16 \text{ cft.}$ $= 145'4'' \times 1'3'' \times 1'0'' - 181.67 \text{ cft.}$ $= 145'4'' \times 0'10'' \times 0'7'' - \underline{70.58 \text{ cft.}}$ Total – 393.41 cft. Septic tank – 2 (16'6'' + 5'6'') x 1'3'' x 2'6'' – 137.50 cft. 2 (15'8'' + 5'6'') x 0'10'' x 4'6'' – 158.68 cft. Water storage tank Sump- 2(7'8'' + 3'6'') x 0'10'' x 5'0'' – 93.01 cft. Total - 393.41 cft. + 296.18 cft. + 93.01 cft. = 782.60 cft.			
09.	Item No. (9) 5.3.6.	Providing R.C.C. (1:1x1/2:3) in band at plinth level with stone chips 20mm to 6mm size excluding the cost of reinforcement boundary wall – Boundary wall :- 145'4'' x 0'10'' x 0'5'' – 50.36 cft.			
10.	Item No. (10) 5.2.23.	Providing 125mm thick brick work in C.M. (1:4) in super structure Septic tank Buffal wall :- 1 Nos x 5'6'' x 4'0'' – 22.00 sft. 1 Nos x 5'6'' x 5'6'' - <u>30.25sft.</u> Total – 52.25 sft.			
11.	Item No. (11) 5.10.1.	Dismantling puce brick or lime work and disposal of unserviceable materials with all lead - From G.C.I. sheets Roof - 114'9'' x 1'3'' x 1'6'' = 215.16 cft. Triangle - $\frac{1}{2} \times 2 \times 14'3'' \times 1'3'' \times 2'0'' = 35.63 \text{ cft.}$ Middle 1 x 3'6'' x 1'3'' x 7'0'' = 30.62 cft. Wall 1 x 2'0'' x 1'3'' x 7'0'' = <u>17.50 cft.</u> Total – 298.91 cft.			
12.	Item No. (12) 5.2.14.	Providing 75 B brick work in C.M (1:6) in superstructure – Boundary wall :- $(145'4'' - 4'6'') = 140'10'' \times 0'10'' \times 5'0'' - 586.57 \text{ cft.}$ G.C.I. sheet W.E./ Bath – 114'9'' x 0'10'' x 1'6'' – 143.38 cft. Roof – Middle wall - (3'6'' + 2'0'') x 1'3'' x 7'0'' – <u>48.13 cft.</u> Total – 778.08 cft.			
13.	Item No. (13) 5.3.7.	Providing RCC (1:1x1/2:3) in band at lintel level with stone chips 20mm to 6mm size excluding the cost of reinforcement. G.C.I. sheet Roof- Wall 114'9''x1'3''x0'6'' = 71.72 cft. Specific Tank Buffal Wall- 1 Nos x (5'6''+0'10''+0'10'') x 0'5'' x 0'6'' = <u>1.49 cft.</u> Total = 73.21 cft.			

14.	<p>Item No. (14) Providing 25 mm thick damp proof Course (DPC) 6 5.3.16. in (1:2:4) with stone chips 20 mm to mm size graded –</p> <p>With 5% cico or any other water proofing compound or DrFixit .</p> <p>Top of Boundary wall :-- $140'10'' \times 0'10'' = 117.31$ Sft. Septic Tank Wall :-- $42'4'' \times 0'10'' = 35.26$ Sft. $2 \times 5'6'' \times 0'5'' = 4.58$ Sft. Water Storage Tank :-- $22'4'' \times 0'10'' = 18.60$ Sft. G.C.I. Sheet Roof Wall :-- $114'9'' \times 0'10'' = 95.59$ Sft. Total = 271.34 Sft.</p>			
15.	<p>Item No. (15) Providing R.C.C (1:1x1/2:3) in roofs lab with 5.3.9.1. stone chips 20mm to 6mm size graded , Excluding the cost of reinforcement .</p> <p>Inspite of G.C.I. Sheet Roof :-- $1 \times 15'3'' \times 21'3'' \times 0'4''$ thick = 107.91 cft. Septic Tank :-- $1 \times 15'8'' \times 7'2'' \times 0'6''$ thick = 56.13 cft. Enspection Chamber :-- $3 \times 3'8'' \times 3'2'' \times 0'4''$ thick = 11.59 cft. Soak pits 1 Nos $\times 22/28(10'0'')^3 \times 0'6''$ thick = 39.29 cft. Total = 214.92 cft.</p>			
16.	<p>Item No. (16) Providing 12mm thick water proof Cement 5.7.14 plaste (1:3) with clean coarse sand with 5% cico or any other water proofing Compond as Dr. Fixit</p> <p>Top of Roof :-- $1 \times 15'3'' \times 21'3'' = 324.06$ Sft. R.C.C. Existing Roof :-- $1 \times 14'10'' \times 6'8'' = 98.88$ Sft. Total = 422.94 Sft.</p>			
17.	<p>Item No. (17) Providing T.M.T. steel reinforcement of 8mm, 5.5.4. 10mm & 12mm as per drawing and design -----</p> <p>Found – $1.21 \text{ M}^3 @ 80 \text{ Kg per M}^3 = 96.80 \text{ Kg}$ Stiffener – $2.28 \text{ M}^3 @ 80 \text{ Kg per M}^3 = 182.40 \text{ Kg}$ Band at plinth – $1.43 \text{ M}^3 @ 60 \text{ Kg per M}^3 = 85.80 \text{ Kg}$ Band at linted – $2.07 \text{ M}^3 @ 60 \text{ Kg per M}^3 = 124.20 \text{ Kg}$ Roofs Lab – $6.08 \text{ M}^3 @ 80 \text{ Kg per M}^3 = 486.40 \text{ Kg}$ Total = 975.60 Kg</p>			
18.	<p>Item No. (18) Supplying, Fittings & Fixing M.S. grill made of 5.5.30. 10mm Square bars fitted on 25 x 25 x 6mm M.S. Angle fram --- do ---all Complete & job ----</p> <p>Gate :-- Double Shutter; Water Storage Tank/Sump</p> <p>Choukhat : -- $1 \times 4'6'' \times 5'0'' = 22.50$ Sft $35 \times 35 \times 5\text{mm}$ Angle :--</p> <p><u>Top Cover</u></p> <p>Single Shutter fitting cover with 1.60mm thick M.S. steel sheets Welded & long etc complete :-- $1 \times 6'10'' \times 4'4'' = 29.61$ Sft @</p>			
19.	<p>Item No. (19) Providing & fixing pressed steel door frames 10.14. with commercial mild steel sheet of 1.60mm thickness.</p> <p>Door Chokhat profile – “B” Size – 125mm x 63 mm size 10.14.1.1. Fixing with adjustable lugs with split end tail to each joints ----</p>			

	<p>W.C. (6 Nos x (2 x 6'6" + 2'6")) = 93 ft. Bath. (4 Nos x (2 x 6'6" + 2'9")) = 63 ft.</p> <p>Total = 156 ft.</p>			
20.	<p>Item No. (20) 5.4.40 Supplying fitting & fixing 30mm thick solid core type nondecorative single leaf flush door shutter all complete job ----- 6 Nos x 6'3" x 2'3" = 84.38 Sft. 4 Nos x 6'3" x 2'6" = 62.50 Sft.</p> <p>Total = 146.88 Sft.</p>			
21.	<p>Item No. (21) 5.3.27.1. Providing 50mm thick Precast R.C.C. (1:1x1/2:3) Jali (Ventilation) with stone chips & M.S. wire -- 10 Nos x 2'0" x 0'9" = 15 Sft.</p>			
22.	<p>Item No. (22) 5.10.7. Dismantling old plaste and debries with disposal with all lead : ---- Existing Wall : --- Innerside : - 130'0" x 7'0" = 910 Sft. 53'0" x 9'0" = 477 Sft.</p> <p>Deduction :-- Door :- 6 Nos x 2'6" x 6'6" x 1/2 = (-)48.75 Sft. 4 Nos x 2'9" x 6'6" x 1/2 = (-)35.75Sft.</p> <p>Existing Roof Ceiling : - 2 x 3'6" x 5'0" = 35 Sft. 1 x 4'6" x 5'0" = 22.50 Sft. Total = 1360 Sft.</p> <p>Outer Side :-- 1 x 69'0" x 8'0" = 552 Sft. 1 x 43'0" x 10'0" = 430 Sft.</p> <p>Deduction – Doorwe = (-)48.75Sft. Door Bath = (-) 35.75 Sft.</p> <p>Total = 897.50 Sft. Total – 1360 Sft + 897.50 Sft = 2257.50 Sft</p>			
23.	<p>Item No. (23) 5.6.23.1. Providing & laying 6mm thick precast white glazed Tiles size 15cm x 15cm A grade in wall over 12mm thick cement plaste in C.M. (1:3) and joints filled with grey cement. Walls:-- 130'0" x 5'0" = 650 Sft. 53'0" x 5'0" = 265 Sft.</p> <p>Deduction : -- Door – 6 Nos x 2'6" x 5'0" = (-) 75 Sft. 4 Nos x 2'9" x 5'0" = (-) 55 Sft.</p> <p>Add coping side :-- Door – 6 Nos x 2'5" x 5'0" = 24.96 Sft. 4 Nos x 2 x 16" x 5'0" = 33.325 Sft.</p> <p>Total = 843.28 Sft.</p>			
24.	<p>Item No. (24) 5.6.19. Providing & laying 25mm thick Kotah stone slab flooring over a 20mm thick base of cement mortar (1:4) and joints filled with grey cement salary ---- Size :- 600mm x 600mm Floor :- Toilet w.e. 4 Nos x 4'6" x 3'6" = 63 Sft. 2 Nos x 5'0" x 3'6" = 355 Sft.</p> <p>Bath :- 3 Nos x 5'0" x 6'0" = 90 Sft.</p>			

	<p>1 Nos x 4'6" x 5'0" = 22.50 Sft. Door Side :- 2 Nos x 2'6" x 0'10" = 4.17 Sft. 4 Nos x 2'6" x 1'3" = 12.50 Sft. 1 Nos x 2'9" x 0'10" = 2.29 Sft. 3 Nos x 2'9" x 1'3" = <u>10.31 Sft.</u> Total = 139.77 Sft.</p>			
25.	<p>Item No. (25) Providing & laying 25mm thick kotah stone Tiles on Skirting 5.6.20.</p> <p>130'0" x 0'6" = 65 Sft. 53'0" x 0'6" = 26.50 Sft. Door Side :- 6 Nos x 2 x 0'5" x 0'6" = 2.50 Sft. 4 Nos x 2 x 10" x 0'6" = 3.32 Sft. Deduction :- Door :- 6 Nos x 2'6" x 0'6" = (-) 7.50 Sft. 4 Nos x 2'9" x 0'6" = (-) <u>5.50 Sft.</u> Total = 84.33 Sft.</p>			
26.	<p>Item No. (26) Providing 12mm thick cement plaster in C.M. (1:6) on wall --- with clean coarse sand – Toilet : --- <u>Innerside</u> :- 130'0" x 5'0" = 650 Sft. 53'0" x 4'0" = <u>212 Sft.</u> Total = 862 Sft. Outerside :- 2(20'3" + 14'3") x 11'6" = 793.50 Sft. 2(6'8" + 14'0") x 10'0" = <u>429.98 Sft.</u> Total = 1223.48 Sft. Deduction :- Innerside Door :- 6 Nos x 2'6" x 1'6" = 22.50 Sft. 4 Nos x 2'9" x 1'6" = <u>16.50 Sft.</u> Total = 39.00 Sft. Outerside Door :- 6 Nos x 2'6" x 6'6" = 97.50 Sft. 4 Nos x 2'9" x 6'6" = <u>71.50 Sft.</u> Total = 1690 Sft. Net Inside plaster area – (862 Sft - 1/2x39 Sft) = 842.50Sft. Net Outer Side Plaster area – (1223.48 Sft – 1/2x169 Sft) = <u>1138.9Sft.</u> Total = 1981.48 Sft. Boundary wall :- Inner Side : (158'8" – 4'6"gate) x 5'6" = 847.91 Sft. Outer Side : (158'8" – 4'6"gate) x 6'3" = 963.54 Sft. Top of wall : (158'8" – 4'6") x 0'10" = 128.42 Sft. Gate Side : 2 Nos x 0'10" x <u>5'6" = 9.16 Sft.</u> Total = 1949.035 Sft. Total = (1981.48 Sft + 1949.03 Sft) = 3930.51 Sft.</p>			
27.	<p>Item No. (27) Providing 6mm thick cement Plaster in C.M. (1:4) including ---- 5.7.6. Toilet :-w.e. 2 Nos x 3'6" x 5'0" = 35 Sft. w.e. 4 Nos x 3'6" x 4'6" = 63 Sft. Bath :- 3 Nos x 5'0" x 6'0" = 90 Sft. 1 Nos x 4'6" x 5'0" = 22.50 Sft. Projection :- 2(6'8" + 14'10") x (0'6" + 0'4") = 35.82 Sft. 2 (20'3" + 14'3") x (0'6" + 0'4") = <u>57.48 Sft.</u> Total = 303.80 Sft.</p>			

28.	<p>Item No. (28) Providing 12mm thick cement plaster in C.M. (1:4) on wall -----</p> <p>5.7.2. Septic Tank -----</p> <p>Inner :- $2(14'0'' + 5'6'') \times 7'0'' = 273 \text{ Sft.}$</p> <p>Buffalwall :- $1 \times 2 \times 5'6'' \times 4'0'' = 44 \text{ Sft.}$</p> <p>$1 \times 2 \times 5'6'' \times 5'6'' = 60.50 \text{ Sft.}$</p> <p>Top of wall ---</p> <p>$2(15'8'' + 5'6'') \times 0'10'' = 35.26 \text{ Sft.}$</p> <p>Outer :- $2(15'8'' + 7'2'') \times 1'0'' = 45.66 \text{ Sft.}$</p> <p>Top Buffal wall :-</p> <p>$2 \times 5'6'' \times 0'5'' = 4.58 \text{ Sft.}$</p> <p>Total = 463 Sft.</p> <p>Base :- $1 \times 14'0'' \times 5'6'' = 77 \text{ Sft.}$</p> <p>Total = 540 Sft.</p> <p><u>Sump/Water Storage Tank</u></p> <p>Inner :- $2(3'6'' + 6'0'') \times 5'0'' = 95 \text{ Sft.}$</p> <p>Top :- $2(3'6'' + 7'8'') \times 0'10'' = 18.60 \text{ Sft.}$</p> <p>Outer :- $2(5'2'' + 7'8'') \times 4'3'' = 109.87 \text{ Sft.}$</p> <p>Base :- $1 \times 3'6'' \times 6'0'' = 21.00 \text{ Sft.}$</p> <p>Total = 243.67 Sft.</p> <p>Total = 540 Sft + 243.67 Sft = 783.67 Sft.</p>			
29.	<p>Item No. (29) Providing 1.5mm thick cement punning including curring do -</p> <p>5.7.11. as per above :----</p> <p>Septic Tank + water storage tank.</p>			
30.	<p>Item Nop. (30) Making Plinth Protection of 50mm thick of cement DSR 4.17.</p> <p>Concrete over 75B one brick flat soling over sand filling including necessary excavation, leveling, dressing & finishing the Top smooth -----</p> <p>Toilet : --- $1 \times 61'3'' \times 3'3'' = 199.06 \text{ Sft.}$</p> <p>$1 \times 49'6'' \times 3'3'' = 16.88 \text{ Sft.}$</p> <p>Sump :--- $1 \times 38'8'' \times 3'3'' = 125.66 \text{ Sft.}$</p> <p>Total = 485.60 Sft.</p>			
31.	<p>Item No. (31) Providing 150mm wide brick drain in C.M. (1:6) 5.10.34. with av. 150mm clean depth and 125mm apron 210 ft or 64 M</p>			
32.	<p>Item No. (32) Providing two coats of snoweon over a coat of Cement print over new surface.</p> <p>Ceiling = 28.23 M²</p> <p>Plaste = 365.30 M²</p> <p>Total = 393.53 M²</p>			
33.	<p>Item No. (33) Providing two coats of Synthetic enamel rain over steel surface.</p> <p>(22.50 Sft + 29.61 Sft) = 52.11 Sft.</p>			
34.	<p>Item No. (34) Providing two coats of synthetic enamel point make over new worden surface -----</p> <p>Floor :- 6 Nos x 2'6'' x 6'6'' x 2.50 = 243.75 Sft.</p> <p>4 Nos x 2'9'' x 6'6'' x 2.50 = 178.75 Sft.</p> <p>Total = 422.50 Sft.</p>			
35.	<p>Item No. (35) Providing primer coat of lead paint over new steel surface</p> <p>5.8.41.</p>			

	4.84 M ²			
<u>Sanitary & Water Supplying</u>				
36.	Item No. (36) DSR 18.37. 18.37.1. 3 Nos	Construction Masonary Chamber of 75B Brick work in C.M. (1:4) of 60 x 45 x 50 cm size,inside and R.C.C. (1:2:4) Top Slab and inside plasting with cement mortar (1:3) with cement punning -----		
37.	Item No. (37) 19.32 75 B brick 1 Nos	Making soak pits 2.50 M diameter 3.00 M deep with 45 x 45 cm dry brick honey comb shaft with bricks P.V.C drain pipe 110mm dia. 1.80 M long complete		
38.	Item No. (38) 12.41. 12.41.1. 30.50 M 12.41.2. 110mm diameter ----- 38.50 M	Providing & Fixing Unplasticised Rigid PVC pipe including jopinting with seal ring ----- Single Socket Pipe ---- 75mm diameter -----		
39.	Item No. (39) 12.42. 75 x 75 x 75 mm - 4 Nos 110 x 110 x 110 mm – 6 Nos 75mm diameter Bend - 4 Nos 110mm diameter Bend - 6 Nos	Providing & Fixing Unplasticised Rigid Modulded fitting -----do----- Single Tee with door :----- Bend -----		
40.	Item No. (40) 18.7. 18.7.1. 30.50 M 18.7.3. water pipe ----- 76.20 M	Providing & Fixing CPVC pipe for water supplying including all CPVC plain & brass threaded fittings ----- Threaded fittings ----- Internal work ----- Exposed on wall. 15mm nominal outer dia pipe ---- 25mm nominal outer dia. Pipe with from supply		
41.	Item No. (41) 17.1.1. 6 Nos	Providing & fixing water closed Squatting pan white vitreous china Orissa patternw.e. pan size 580 x 440 mm with footrest with P & S Trap including 10 litre low level PVC flushing cistern -----do----- all complete .		
42.	Item No. (42) 18.49.1. 11 Nos	Providing & fixing C.P. Brass bib cock ----- 15mm nominal bore		
43.	Item No. (43) 18.18.3. 2 Nos	Providing & fixing ball valve (brass) of approved quality Heigh/low pressure with plastic floats complete, 25 mm nominal bore -----		
44.	Item No. (44) 18.21.2.1. 6 Nos	Providing & fixing Unplasticised PVC Connection pipe with brass Union --- 45cm long 15mm dia. Nominal bore -----		

45.	Item No. (45) 18.52.1.	Providing & fixing C.P. Brass stopcock of 15mm dia. Nominal bore . 10 Nos			
46.	Item No. (46) 18.53 A 22 Nos	Providing & fixing C.P. Brass extension nipple -- Size --- 15mm x 50mm -----			
47.	Item No. (47) 18.65. 6 Nos	Providing & fixing PTMT Soap dish – length – 138 mm, breadth – 102 mm, height – 75 mm .			
48.	Item No. (48) 18.64. 6 Nos	Providing & fixing PTMT Swivelling Shower, 15mm nominal bore weight not less than 40			
49.	Item No. (49) 18.76. 21 Nos	Cutting holes upto 30 x 30 cm in walls including making good the sare -----			
50.	Item No. (50) 17.73. 17.73.2. 4 Nos	Providing & fixing PTMT towel rail complete with bracket fixed to C.P. brass Screws -- do -- 600 mm long towel rail width 78 mm and effective height of 88 mm weight not less than 190 m -----			
51.	Item No. (51) JSR SI No-122 100 Litre – 2 Nos ----- 2000 Litre .	Providing & Laying polythene water storage Tank of ISI mark e.g. Sintare/Sintre/Himgiri /Gangotri with cover & locking system -----			
52	Item No. (52) 16.68	Providing & Laying 60 mm thick factory made cement concrete interlocking faver block of M 300 grade over and including 50 mm thick compacted bed of coarse sand filling the joints filled with line sand etc ----- 220.185 ft or 20.46 M ²			
<u>ELECTRICAL INSTALLATION</u>					
53.	Item No. (53) 1.1.3. Group (e) 14 Nos	Point wiring in PVC conduit for light point/fan points with 1.50 sqmm FR PVC Insulated Copper Conductor for single core cable .			
54.	Item No. (54) 1.14.2. 45 M	Wiring for Circuit/Sub main wiring along with earth wire FR PVC Insulated Copper Conductor Single core cable with PVC conduit . 2 x 2.50 sqmm + 1 x 2.5 sqmm earth wire.			
55.	Item No. (55) 1.22.1. 1.22.1. 0'4" x 0'4" size – 14 Nos. 1.22.3. 0'5" x 0'7" size – 14 Nos 1.22.6. 0'6" x 0'8" size – 2 Nos	Supplying & fixing G.I. Metal/PVC bore of phenolic laminated sheet cover in front .			

	1.22.8. 0'8" x 0'10" size – 2 Nos			
56.	Item No. (56) Supplying & fixing piano type Switch / Socket 1.23. including Connection :----- 5/6 Amp Switch – 14 Nos 3 Pin 5/6 Amp Socket – 2 Nos 15/16 Amp Switch – 2 Nos 15/16 Amp 6 pin Socket – 2 Nos			
57.	Item No. (57) Supplying & fixing batten / Angle Holder 1.34. including connection etc as required --- 14 Nos			
58.	Item No. (58) 32 Amps Capacity TP & N disconnector for DSR 2.1.1. fuse switch unit inside ----- 1 Nos			
59.	Item No. (59) Supplying & fixing 2 way single door pole JSR 2.8.1. neutral, sheet, MCB distribution board 240 volts on surface including inter connection 2 way single door -----1 Nos			
60.	Item No. (60) Supplying & fixing 6/32 Amps, SPN, 240 volts 2.125. "C" series miniature circuit breaker on existing MCB DB Complete with Connection -----6/32 Amps SPN MCB 2 Nos			
61.	Item No. (63) Carriage cost of Materials :----- (1) Sand av. Lead 25 Km ----- 60.40 M ³ (2) Bricks av. Lead 30 Km ----- 25392 Nos (3) Stone chips av. Lead 58 Km ----- 21.22 M ³ TOTAL			
	Total quoted Cost (Rs.)			