

GOVERNMENT OF JAMMU AND KASHMIR
HOUSING & URBAN DEVELOPMENT DEPARTMENT

Civil Secretariat Jammu/Srinagar

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EXPRESSION OF INTEREST (EOI) FOR CONSTRUCTION, OPERATION AND MAINTENANCE OF
COMMUNITY TOILETS IN URBAN AREA OF J&K

Expression of interest is invited from reputed NGOs/Trust/Foundations to construct, operate and maintain community toilets. The tentative cost and Item wise detailed estimate for the construction of community toilets in Kashmir region/ hilly area of Jammu region and Jammu region (non hilly area) is shown in the **Annexure A** and **Annexure B** respectively. The NGOs/ agency have to propose the share of amount they will contribute for the construction of toilet complex. The toilet complex shall be leased to the NGOs for a period of 10 years for operation maintenance by the same NGOs who shall be selected by bidding however; the title and ownership of the land will continue to remain with the department. User charges shall be collected from the user, on the rates to be mutually decided by the department and NGOs which shall not be less than Rs 5 per user and will be revised after 2 year maximum up to 20%. Detailed Estimate /eligibility criteria, terms & conditions and the prescribed application format are available at the office of Mission Director Swach Bharat Mission from 01-01-2016 to 20-01-2016 on working days. and will also be available on (website [http:// www. Jkhudd.gov.in](http://www.Jkhudd.gov.in))

The application containing:-

(i) Financial proposal in the prescribed formats sealed in envelopes, completed in all respects, shall be submitted to the department clearly super scribing on the envelope "APPLICATION/ PROPOSAL FOR CONSTRUCTION, OPERATION AND MAINTENANCE OF COMMUNITY TOILETS AT _____" by hand/post/courier /on or before 20th Jan, 2016" up to 5:00 PM in civil secretariat Jammu.

The applicant must enclose draft for earnest money of Rs. 5000/= (Five thousand only) the EMD shall be in Indian rupees and in the form of Demand Draft from any of the nationalized bank, in favour of the "Mission Director Sawach Bharat Mission" Housing and Urban Development the EMD will be forfeited on account of one or more of the following reasons (**The EMD will be refunded without interest.**):-

1. Bidders withdraw its proposal during the selection process.
2. Bidders does not respond to request for clarification of its proposal.
3. Bidders fail to provide the information during the evaluation process.

Submission of offer through fax, email or other electronic means will not be accepted. It is the responsibility of interested party alone to ensure that the EOI is delivered at the prescribed address by the stated deadline. The department shall not be held responsible for any delay in delivery or loss of document (s) during transit.

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Responsibilities of partners:-

1. Department of Housing and Urban Development Department (1st Party)

- a. Coordinate and facilitate the stakeholder consultants in fixing user charges.
- b. Provide funding support (fixed after agreement) for construction of toilet complex.
- c. provide supervision and monitoring of the construction work;

2. Non-Government Organisation/Trust/Foundation (2nd Party)

- a. Construction of Toilet Complex.
- b. Matters related to O&M
- c. Collection of user charge – O&M cost.
- d. Contribution by the NGO/trust/firm (if any) against the capital cost.

The proposed toilet complex (es) should normally include following facilities:

- I. Separate toilet blocks for men and women.
- II. Waiting /circulating area.
- III. A place for the care taker—from where he / she can oversee both entries --- men's and women.
- IV. Separate bathing cubicles for men and women.
- V. Urinal facilities for men.
- VI. Facility to store large volumes of water.
- VII. Waste water disposal system.

CONDITIONS:

- a) The NGO/Trust/Foundation shall carry out all the required work for demand generation, construction work, and setup operation and maintenance arrangement of the community toilet.
- b) The agency shall construct the community toilets within the time frame 3 months, from date of issuance of engagement order.
- c) The organization / agency should quote their share/ contribution (in rupees) for construction of community toilet and the highest contributor will be engaged subjected to maximum 10 complexes per NGO if any of the agency/firm/trust who has participated in the bids offer is willing to construct the complexes on the terms and conditions of successful bidders the same also be considered subjected to capability of the firm.
- d. The organization shall collect user charges as per the rates approved by the department which shall be minimum Rs 5 per user.

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- e) The toilet complex shall remain open to the users round the clock.
- f) Required O &M cost (including provision of water and electricity charges) shall be borne by the service provider for period of 10 years.
- g) The typical estimates have been prepared for Jammu/Srinagar city the bidders may quote the extra cost for the work away from state headquarter in terms of increase as per the distance.
- h) The tentative plinth area shall be 500 sqft which may increase or decrease subject the site conditions.

V. Eligibility Criteria

- a) The Applicant shall be society/trust/ foundation/ firm/ NGO under the Companies Act or the relevant state Acts of country/state.
- b) The Applicant must have necessary financial resources to be able to construct and Operate the facility.
- c) The Applicant must have the capacity to mobilize the required manpower to operate and maintain the facility.
- d) The selected agency/organization should have previous experience in constructing/ maintaining public/ community toilets in Municipal Corporations.
- e) Agency shall produce a successful completion certificate duly signed by an officer not less than rank of Executive Engineer.
- f) Agency shall produce the annual report and audit statements of the past three (3) financial years.
- g) The agency shall have average annual turnover of Rs 1 crore in any of the past three years.
- h) The payment to the construction agency shall be made in staggered manner which shall commensurate with the progress of the work to be certified by the Executive Engineer.
- i) Any addition/modification/ alleviation if any to be made in view site condition shall be subject to the approval of Executive Engineer concerned.

Sd/-
Mission Director
Swach Bharat Mission (Urban)
Civil Secretariat Jammu.

No. HUD/PLAN/28/2015-II

Dated: 31.12.2015

In case of querier and classification on the above, please contact;

Civil Secretariat, J&K Jammu/ Srinagar

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ANNEXURE-A-II

DETAILED ESTIMATES FOR CONSTRUCTION OF TOILET BLOCK (5 SEATED) IN KASHMIR REGION AND HILLY AREAS OF JAMMU REGION

S.No	Description of Items	Qty	Rate	Amount (Rs)
1	<p>Earthworks excavation by manual means in trenches for foundation depth upto 1.5 mtr inch disposal of excavated earth upto 1 m</p> <p>9" thick wall</p> <p>Back and front wall 2x25'-0"= 50 sft</p> <p>Sidewall: 2x18'-6"= 37'</p> <p>Between wash basin- 1x2'-6"= 2.50</p> <p>Collection side wall: 1x9'-6"= 9.50</p> <p>Care taker: 1x7'-6"= 7'-5'</p> <p style="padding-left: 100px;">106'-5'</p> <p>1x106'-6"x2'-0"x2'-0"= 426 cft ---(A)</p> <p>4 ½" thick wall</p> <p style="padding-left: 40px;">2x11'-3"=22'-5" } 4x4'-6"=18'-0" } (58'-0')</p> <p>Caretaker 1x8'-6"=8'-5" } Urinal 1x7'+2"=9'-0" }</p> <p>58'-0"x1'-6"x1'-6"=130.5 cft----(B)</p> <p>Plinth Protection wall:1x2(25'+23')x1'-6"*1' 6"= 216 cft---(c)</p> <p>Front step:1x5'-0"x2'-0"x1'-0"=10.00 cft---(D)</p> <p>(Total A+B+C+D = 782.5 cft) Or 16.80m3</p>	22.16 m3	240.45/ m3	5328
2	<p>Supply and laying of stone soiling handpacked tightly including ramming watering and carriaging complete:</p> <p>1x106'-6"x2'-0"x0'-6"=106.50cft</p> <p>1x38'-0"x1'-6"x0'-6"= 28.50cft</p> <p>1x96'-0'-1'-6"x0'-6"= 72.00 cft Or 5.86m3</p> <p>207.00cft</p>	5.86 m3	700/ m3 LMR	4102
3	<p>Providing and laying off cement concrete1:4:8 using 40 mm nominal size of stone aggregate crushed</p> <p>9"Thick wall 1x106'-6"x2'-6"x4" = 88.75</p> <p>4 ½ Thick wall 1x38'-0"x1'-6"x4"= 19.00</p> <p>Plinth Protection 1x96'-0"x1'-6"x4" ' = 48.00</p> <p>Plinth Step:1x5'-0"x2'x4"= 3.33</p> <p>Total 159.08</p> <p>Underfloor:</p> <p style="padding-left: 20px;">1x8'-6"x7'-0"=59.50</p> <p style="padding-left: 20px;">1x9'-4' ½ x7'-0"=65.62</p> <p style="padding-left: 20px;">1x5'-0"x3'-0"=15</p> <p>Passage:2x11'-3"x4'-0"=90.00</p> <p>Bath:1x5'-0"x4-7 ½"=23.12</p> <p style="padding-left: 100px;">347.74 cft (E)</p>	7.98 m3	3112.80/m3	24,840

	<p>w.c: $6 \times 4' - 6' \times 3' - 6' = 94.50$ outer plinth: $2(25' - 0' + 23' - 0') \times 1' - 6' = 144$ $491.74 \times 0 - 3' = 122.93 \text{cft}$ Total 282.0cft or 7.98m³</p>			
4.	<p>P/L cement concrete 1:3:6 using 20mm nominal size work upto plinth bwel 9 thicko wal $1 \times 106' - 6'' \times 2 - 0 + 1' - 3'' \times 1' - 8'' = 287.28 \text{cft}$ $\frac{2}{2}$ 4 ½ " thick wall $1 \times 38' - 0' \times \frac{1+9}{2} \times 1' - 2'' = 38.57$ Plinth protection $1 \times 96' - 0'' \times 0' - 9'' \times 1' - 0'' = 72.00$ Front step $1 \times 5' \times 3' - 0 \times 2' - 0 = 30.00$ Plinth 9' thick wall $1 \times 106' - 6' \times 0' - 9' \times 1' - 0' = 79.87$ 4 ½ thick wall $1 \times 38' - 0' \times 0' - 9' \times 1' - 0' = 28.50$ Plinth wall $1 \times 96' - 0' \times 9' \times 1' - 0'' = 72.00$ Total 608.22cft or 17.22 m³</p>	17.22 m ³	3707.40/m	Rs = 63841/=
5	<p>Bricks work with fps bricks in super structure 1;6 9 inch thick wall $1 \times 106' - 6' \times 9' \times 9' - 0' = 718.88 \text{cft}$ d/d ent.door $1 \times 5' - 0' \times 7' - 0' = 35.00$ D = $1 \times 3' - 3' \times 7' - 0' = 22.75$ W1 = $1 \times 4' - 0' \times 4' - 6' = 18.00$ W2 = $2 \times 3' - 0' \times 4' - 6' = 27.00$ V = $6 \times 2' - 0 \times 1' - 6' = 18.00$ Urinal opening $1 \times 7' - 0' \times 7' - 0' = 49.00$ Front face = $2' \times 6' - 0' \times 2' - 0' = 84.00$ $253.75 \times 0' - 9'' = 190.31$ Lintal beam $1 \times 2(25 + 18' - 6') \times 0' - 9' \times 0' - 9'' = 48.94$ Total 479.63 cft or 13.58 m³</p>	13.58 m ³	5257.95/m ³	Rs = 71403/=
6	<p>p/l DPC 1;2;4 50mm thick with 20mm stone Agg 9' thick wall $1' \times 106' - 6' \times 1' - 0' = 106.50 \text{ sft}$ 4 ½ $1 \times 38' - 0' \times 4 \frac{1}{2} = 14.25'$ Total = 120.75 sft or 11.22 m²</p>	11.22 m ²	275.45/m ²	Rs 3091
7	<p>Providing and fixing and aluminium doors/windows Door $1 \times 6 \times 6 = 36 \text{sft}$ $7 \times 7 \times 2' - 6'' = 122.5 \text{sft}$ Windows $1 \times 6' \times 5' = 30 \text{sft}$ $2 \times 5' \times 5' = 50 \text{sft}$ $6 \times 3' \times 2' 6'' = 45 \text{sft}$ 283.50sft</p>	283.50sft	450.00/sft (LMR)	127575.00
8	<p>Centering and shuttering incl. Structuring proper and removal of frame work Foundation</p>			

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	<p>9' thick brick wall $1' \times 106'-6' \times 1'-9' \times 2$ side = 372.75 4 ½ thick wall $1' \times 38'-0' \times 1' = 2$ side = 76.00 Plinth $1 \times 96'-0' \times 1' = \times 2$ side = 192.00 $1 \times 5'-0' \times 2'-0 = 2$ side = 10.00 650.75 sft or 60.47m²</p>	60.47m ²	179.25/m ²	Rs 10,839
8 b	<p>Lintel bend $2 \times (25'-0' + 18'-6') \times 2$ side $\times 9' = 130.50$sft Bottom of opening Ent door = $1 \times 5'-0' = 5$ sft D1 = $1 \times 3'-3' = 3.25$ W1 = $1 \times 4'-0' = 4$ W2 = $2 \times 3'-0' = 6$ V = $6 \times 2'-0' = 12$ Urinal opening $1 \times 7'-0' = 7.00$ Total = 158.43 sft or 14.72 m²</p>	14.72 m ²	305.79/m ²	4500/=
8 (c)	<p>Slab $25' \times 8' = 200$sft = 18.58m²</p>	18.58	372.40/	6922/=
9	<p>P/l of RCC work in lintel beams/slab Qty items 8 (c) = 200sft $\times 6'' = 100$cft = 2.83m³</p>	2.83m ³	5776.75/m ³	16348/=
10	<p>Steel reinforcement for RCC work including bending, binding and placing in position including cost of binding work Qty. Wide item no 8(c) 200sft @ 1kg /sft = 200kg</p>	200kgs	71/kg	14200/=
11	<p>Half brick work in cement 1:4 in super structure 4 ½ thick wall $1 \times 38'-0' \times 9'-0 = 342$ sft Front from $2 \times 6' 0' \times 7'-0' = 84.00$ 426.00 sft D/d doors 7 nos 7 nos $\times 2'-6' \times 7'-0 = 122.50$ 303.50sft or 28.20 m²</p>	28.20m ²	651/m ²	18358/=
12	<p>12 mm cement plaster in 1:4 mix in roof Qty item no 8(c) = 200sft = 18.58m²</p>	18.58m ²	158 /m ²	2935/=
13	<p>15 mm thick cement plaster 1:6 (mix) Inside care jawer ror $1 \times 2 (8'-6' + 7'-0') = 31.00$ Colen sc $1 \times 2 (9' + 7'-0'') = 32.00$ Passeg $2 \times 2 (11'-3' + 4'-0'') = 30.50$ w/ basin $2 \times 2 \times 2'-0'' = 8.00$</p>	264.77 m ²	164.40/m ²	43,528

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	<p>w.c 6x2 (4'-6 + 3'-6) = 96.00 bath 1x2 (5'-0'+4-7 ½) = 19.25 or 264.77 urinals 1x2 (7'-0+6'-6') = 27.00 244.75x9'-0=2202.75 sft --(f) D/d vide no (5) 253.75 x ½ = 126.87---(g) Out side 1x2 (25'-0 + 20'-0')x 10'-0'' = 900.00 sft_-(H) Total f+h-g = 2849 sft or 264.77 m2</p>			
14	<p>Providing and fixing of local wood truss work including hosting and making Truss 1 no 1x28'-0'=28 rft Raftar 1x2x 18 = 36.00 Struct 1x $\frac{7'+2'}{2}$ x5 = 22.5 Tie 1x23'=23 rft Raftar 1x2x15=30 Structure 1x $\frac{7'+2'}{2}$ x5=22.5 Corner tie 4x15 = 60 Raftar 4x18 = 72 Structure 4x $\frac{7'+2'}{2}$ = 18 Clent L.s 50 sft Total=362.00x2 ½''x4'' = 25.13 cft ---(J) Purilm 2x $\frac{1'+28'}{2}$ x5 = 145 cft 2x $\frac{1'+23'}{2}$ x 5 nos =120 265.0x 2 ½'' x3'' =13.80---(K) Extra for ceiling joints and brassing etc-14.00---(L) Total = (J+K+L)= 52.93 cft or 1.50 m3</p>	1.50 m3	60,000/m3 LMR	90,000
15	Providing and fixing of nuts bolts and flat iron clamps at front of turss etc		L.S	15,000
16	<p>p/ fixing of Coloured C.G.I sheets rolling 26 gauge fixed with jorl hooks and limped washed complete 1x2x $\frac{1'+28'}{2}$ x 15 = 435.00 sft 1x2x $\frac{1'+25'}{2}$x18'-0=468.00 sft 903.00 sft Or 83.92 m2</p>	83.92m2	1250/m2 (LMR)	104900
17	<p>Providing and fixing of hips or ridgr 60 cm overall with g.i sheets with J or L hooks and limpel washed complete 0.80 mm thicks 4 nos x 15'-0' = 60 rft = br 18.29 mts Say 1900m</p>	18.29 m2	500/m2 LMR	9145
18	<p>Providing of fixing of wind tiles of 70x6 mm flat iron section 2 x $\frac{4'+28'}{2}$ x 4 = 128.00 2 x $\frac{4'+23'}{2}$ x 4 = 108.00 236.00 Or 71.95 m</p>	71.95m	150/m LMR	10,800

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19	Providing and fixing of 20 mm thick wooden plank ceiling with m.s screws (frame work for bass to be paid from sepreately incl. The cost of chip tiles at corner 1st class kail wood 53.86 m2 $1 \times 28'-0" \times 23'-0" = 644.00$ sft x 90% 579.60 sft or 53.86 m2	53.86m2	1100/m LMR	59246
20	Providing and fixing of 1st class ceramic tiles over 12mm thick bed of cement mortor 1:3 on walls Qty. Vide item no-13 (F) 244.75 sft x 5' 0' = 1223.75 sft $1 \times 25'-0" \times 10'-0" = 250$ 1473.75 ---(M) D/d ent door $1 \times 5'-0" \times 7'-0" = 35.00$ w.c door = $7 \times 2' 6" \times 7'-0" = 122.50$ (157.5 -(N) total M-N = 1316.25 sft or 122.32 m2	122.32m2	834.20/m2	1,02,039/=
21	Providing and fixing of vitrified tiles flooring 60x60 cm size laid over 20 mm thick mortar 1:4 Qty. Vide (item no3 -E) 347.74 Steps $1 \times 5'-0" \times 1'-0" \times 3$ nos = 15.00 Total 362.74 sft or 33.64 m2	33.64m2	1421.20/m2	47810/=
22	Tile cladding $2 \times 25' \times 12' = 600$ sft $2 \times 20' \times 12' = 480$ 1080 sft@70%=756sft	756sft	90/sft (LMR)	68040/=
23	Distemping with oil bound distemper coats incl. Forming coat Qty vide item no-13 (F-G) = 2075.88 sft qty vide item no 20) 1316.25 Total 759.63 or 70.60 m2	70.60	85.15/m2	6012/=
24	Finishing walls with water proofing cement paint two or more coats incl. Priming coat qty vide item no Item 13 (H-G) 773.13 sft D/d front wall 250.00 523.13 sft Or = 48.61 m2	48.61m2	59.60/m2	2898/=
25	Carriage of material from source at site of works	L.S		15000/=

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26	<p>Add 25% above on all items except LMR items i.e on 414869/=</p> <p>Add provision for septic tank /shokge pit /sump tank/overhead tank</p> <p>Total</p> <p>Add 10 % for sanitory fitting</p> <p>Add 3 % for electrification</p> <p>Add 3 % for contingency charges</p>		<p>Sub Total</p> <p>Total</p> <p>G. TOTAL</p>	<p>948700/=</p> <p>103717/=</p> <p>1052417/=</p> <p>250000/=</p> <p>1302417/=</p> <p>130241/=</p> <p>39072/=</p> <p>39072/=</p> <p>1510802/=</p>
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Say=15.11 lacs

Note: Tender appreciation can vary from 25% to 30% above on SSR-2012 for location in for flung areas

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ANNEXURE A - I

ABSTRACT OF COST FOR CONSTRUCTION OF TOILET BLOCK (5 SEATED) IN KASHMIR REGION AND HILLY AREAS OF JAMMU REGION

S.No	Particulars	Qty.	Rate	Amount
1	Earth work in foundation trunches	22.16 m3	240.45/m3	5328/=
2	Providing and laying dry stone agg. 40mm thick	5.86 m3	700.0/m3 (LMR)	4102/=
3	p/l cemet cone 1:4:8 40mm	7.98 m3	3112.80/m3	24840/=
4	p/l cement cone 1:3:6 20mm	17.22m3	3707.40/m3	63841/=
5	Brick work in 1:6 in super structure	13.58m3	5257.95/m3	71403/=
6	D.P.C 50 mmthick	11.22m2	275.45/m2	3091/=
7	Providing and fixing aluminium doors/windows	283.50 sft	450.00/sft (LMR)	127575/=
8	Centering and shuthering (a) infoundation (b)intel beams (c)slabs or saffits (d) edges of slab	60.47 m2 14.72m2 18.58 m2 29.88 rm	179.25/m2 305.70/m2 372.40/m2 176.55/rm	10839/= 4500/= 6922/= 5275/=
9	Providing and laying R.C.C in 1:1.5:3 mix	2.83 m3	5776.75/m3	16348/=
10	Reinfront of R.C.C work	200.00 kgs	71.00/kg	14200/=
11	Half brick work in 1:4 mix in super structure	28.20 m2	651.00/m2	18358/=
12	12 mm count planter in 1:4 mix	18.58 m2	158/m2	2935/=
13	15 mm cement plaster in 1:6 mix	264.77m2	164.40/m2	43528/=
14	Providing and fixing of local wood truss work including hosting and making.	1.50m3	60000/m3	90000/=
15	Providing and fixing of nuts Bolts and flat iron clamps at front of truss etc.		L.S	15000/=

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16	p/ fixing of coloured C.G.I sheets rolling 26 gauge fixed with jori hooks and limped washed complete	83.92m ²	1250/m ² (LMR)	104900/=
17	Providing and fixing of hips or ridgr 60 cm overall with g.i sheets with J or L hooks and limpel washed complete 0.80 mm thicks	18.29 m ²	500/m ² (LMR)	9145/=
18	Providing of fixing of wind tiles of 70x6 mm flat iron section	71.95m	150/m (LMR)	10800/=
19	Providing and fixing of 20 mm thick wooden plank ceiling with m.s screws (frame work for bass to be paid from sepretely incl. The cost of chip tiles at corner	53.86m ²	1100/m (LMR)	59246/=
20	Providing and fixing of 1st class ceramic tiles over 12mm thick bed of cement mortor 1:3 on walls	122.32m ²	834.20/m ²	102039/=
21	Providing and fixing of vitrified tiles flooring 60x60 cm size laid over 20 mm thick mortor 1:4	33.64m ²	1421.20/m ²	47810/=
22	Tile cladding	756sft	90/sft (LMR)	68040/=
23	Distempering with oil bound distemper coats incl. Forming coat	70.60M ²	85.15/m ²	6012/=
24	Finishing walls with water proofing cement paint two or more coats incl. Priming coat	48.61m ²	59.60/m ²	2898/=
25	Add 25% above on all items except LMR items i.e on 414869/=		Sub Total	948700/=
			Total	103717/=
				1052417/=

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	Add provision for septic tank /shokge pit /sump tank/overhead tank Total			250000/=
				1302417/=
	Add 10 % for sanitory fitting Add 3 % for electrification Add 3 % for contingency charges			130241/=
				39072/=
				39072/=
			G. TOTAL	1510802/=

Say Rs.15.11lacs

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ANNEXURE-B — I

**Cost
Abstract for construction of Toilet Complex (5 Seated) in Jammu Region (Non- Hilly)**

S.No	Particulars	Qty.	Rate	Amount
1	Earth work in foundation trunches	22.16 m3	240.45/m3	5328.00
2	Providing and laying dry stone agg. 40mm thick	5.86 m3	700.0/m3 (LMR)	4102.00
3	p/l cemet cone 1:4:8 40mm	7.98 m3	3112.80/m3	24840.00
4	p/l cement cone 1:3:6 20mm	17.22m3	3707.40/m3	63841.00
5	Brick work in 1:6 in super structure	13.58m3	5257.95/m3	71403.00
6	D.P.C 50 mmthick	11.22m2	275.45/m2	3091.00
7	Providing and fixing aluminium doors/windows	283.50 sft	450.00/sft (LMR)	127575.00
8	Centering and shuthering (a) infoundation (b)intel beams (c)slabs or saffits (d) edges of slab	60.47 m2 14.72m2 54.65 m2 29.88 rm	179.25/m2 305.70/m2 372.40/m2 176.55/rm	10839.00 4500.00 20352.00 5275
9	Providing and laying R.C.C in 1:1.5:3 mix	10.04 m3	5776.75/m3	57996.00
10	Reinfront of R.C.C work	1047.00 kgs	71.00/kg	74337.00
11	Half brick work in 1:4 mix in super structure	28.20 m2	651.00/m2	18358.00
12	12 mm count planter in 1:4 mix	49.18 m2	158/m2	7770.00
13	15 mm cement plaster in 1:6 mix	264.77m2	164.40/m2	43528
14	Providing and fixing of ceremic glazed tiles	122.32 m2	834.20/m2	102039.00
15	Providing and fixing verified tiles in flour 60x60cm	33.64 m2	1421.20/m2	47810.00

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16	Tile cladding	756 sft	90.00/sft (LMR)	68040
17	Distemping with oil bound distemper	70.60 m2	85.15/m2	6012.00
18	Finishing wall with water proofing cement paint	48.61 m2	59.60/m2	2898.00
19	Carriage of material by Mech. Transport	Lum Sum		15000.00

Sub total = 771326.00

Add 25% above on all items except L.M.R items i.e on 585217= 146304.00

917630.00

Add provision for septic tank/soakage pit/sump tank/our head tank 250000.00

Total 1167630.00

Add 10% provision sanitary fittings in 116763.00

Add 3% provision for electric fitting 35028.00

Add 3% contingencies 35028.00

Grand total 1354449/=

Say Rs 13.55 lacs

10/12

ANNEXURE-B-II

Detailed Estimate for construction of Toilet Complex (5 Seated) in Jammu Region (Non- Hilly)

S.No	Description of Items	Qty	Rate	Amount (Rs)
1	<p>Earthworks excavation by manual means in trenches for foundation depth upto 1.5 mtr inch disposal of excavated earth upto 1 m</p> <p>9" thick wall</p> <p>Back and front wall $2 \times 25'-0" = 50$ sft</p> <p>Sidewall: $2 \times 18'-6" = 37'$</p> <p>Between wash basin- $1 \times 2'-6" = 2.50$</p> <p>Collection side wall: $1 \times 9'-6" = 9.50$</p> <p>Care taker: $1 \times 7'-6" = 7'-5"$ $106'-5"$</p> <p>$1 \times 106'-6" \times 2'-0" \times 2'-0" = 426$ cft —(A)</p> <p>4 ½" thick wall</p> <p>$2 \times 11'-3" = 22'-5"$ $4 \times 4'-6" = 18'-0"$ } (58'-0')</p> <p>Caretaker $1 \times 8'-6" = 8'-5"$ Urinal $1 \times 7'+2" = 9'-0"$ }</p> <p>$58'-0" \times 1'-6" \times 1'-6" = 130.5$ cft —(B)</p> <p>Plinth Protection wall: $1 \times 2(25'+23') \times 1'-6" \times 1'-6" = 216$ cft —(c)</p> <p>Front step: $1 \times 5'-0" \times 2'-0" \times 1'-0" = 10.00$ cft —(D)</p> <p>(Total A+B+C+D = 782.5 cft) Or 16.80m³</p>	22.16 m ³	240.45/ m ³	5328
2	<p>Supply and laying of stone soiling handpacked tightly including ramming watering and carriaging complete:</p> <p>$1 \times 106'-6" \times 2'-0" \times 0'-6" = 106.50$ cft</p> <p>$1 \times 38'-0" \times 1'-6" \times 0'-6" = 28.50$ cft</p> <p>$1 \times 96'-0" \times 1'-6" \times 0'-6" = 72.00$ cft Or 5.86m³</p> <p>207.00cft</p>	5.86 m ³	700/ m ³ LMR	4102
3	<p>Providing and laying off cement concrete 1:4:8 using 40 mm nominal size of stone aggregate crushed</p> <p>9" Thick wall $1 \times 106'-6" \times 2'-6" \times 4" = 88.75$</p> <p>4 ½ Thick wall $1 \times 38'-0" \times 1'-6" \times 4" = 19.00$</p> <p>Plinth Protection $1 \times 96'-0" \times 1'-6" \times 4" = 48.00$</p> <p>Plinth Step: $1 \times 5'-0" \times 2' \times 4" = 3.33$</p> <p>Total 159.08</p> <p>Underfloor:</p> <p>$1 \times 8'-6" \times 7'-0" = 59.50$ $1 \times 9'-4' \frac{1}{2} \times 7'-0" = 65.62$ $1 \times 5'-0" \times 3'-0" = 15$</p> <p>Passage: $2 \times 11'-3" \times 4'-0" = 90.00$ } 347.74 cft (E)</p> <p>Bath: $1 \times 5'-0" \times 4'-7' \frac{1}{2}" = 23.12$</p> <p>w.c: $6 \times 4'-6" \times 3'-6" = 94.50$</p> <p>outer plinth: $2(25'-0" + 23'-0") \times 1'-6" = 144$ $491.74 \times 0'-3" = 122.93$ cft</p>	7.98 m ³	3112.80/m ³	24,840

teif

	Total 282.0cft or 7.98m3			
4.	<p>P/L cement concrete 1:3:6 using 20mm nominal size work upto plinth b/wel 9 thicko wal</p> $1 \times 106'-6'' \times 2'-0'' + 1'-3'' \times 1'-8'' = 287.28 \text{cft}$ $\frac{2}{2}$ $4 \frac{1}{2}''$ thick wall $1 \times 38'-0'' \times \frac{1+9}{2} \times 1'-2'' = 38.57$ Plinth protection $1 \times 96'-0'' \times 0'-9'' \times 1'-0'' = 72.00$ Front step $1 \times 5' \times 3'-0'' \times 2'-0'' = 30.00$ Plinth 9'thick wall $1 \times 106'-6'' \times 0'-9'' \times 1'-0'' = 79.87$ $4 \frac{1}{2}''$ thick wall $1 \times 38'-0'' \times 0'-9'' \times 1'-0'' = 28.50$ Plinth wall $1 \times 96'-0'' \times 9' \times 1'-0'' = 72.00$ Total 608.22cft or 17.22 m3	17.22 m3	3707.40/m	Rs = 63841/=
5	<p>Bricks work with fps bricks in super structure 1;6 9 inch thick wall $1 \times 106'-6'' \times 9' \times 9'-0'' = 718.88 \text{cft}$ d/d ent.door $1 \times 5'-0'' \times 7'-0'' = 35.00$ D = $1 \times 3'-3'' \times 7'-0'' = 22.75$ W1 = $1 \times 4'-0'' \times 4'-6'' = 18.00$ W2 = $2 \times 3'-0'' \times 4'-6'' = 27.00$ V = $6 \times 2'-0'' \times 1'-6'' = 18.00$ Urinal opening $1 \times 7'-0'' \times 7'-0'' = 49.00$ Front face = $2' \times 6'-0'' \times 2'-0'' = 84.00$ $253.75 \times 0'-9'' = 190.31$ Lintal beam $1 \times 2(25+18'-6'') \times 0'-9'' \times 0'-9'' = 48.94$ Total 479.63 cft or 13.58 m3</p>	13.58 m3	5257.95/m	Rs = 71403/=
6	<p>p/l DPC 1;2;4 50mm thick with 20mm stone Agg 9'thick wall $1' \times 106'-6'' \times 1'-0'' = 106.50 \text{ sft}$ $4 \frac{1}{2}'' \times 1 \times 38'-0'' \times 4 \frac{1}{2}'' = 14.25'$ Total = 120.75 sft or 11.22 m2</p>	11.22 m2	275.45/m2	Rs 3091
7	<p>Providing and fixing and aluminium doors/windows Door $1 \times 6 \times 6 = 36 \text{sft}$ $7 \times 7 \times 2'-6'' = 122.5 \text{sft}$ Windows $1 \times 6' \times 5' = 30 \text{sft}$ $2 \times 5' \times 5' = 50 \text{sft}$ $6 \times 3' \times 2'-6'' = 45 \text{sft}$ 283.50sft</p>	283.50sft	450.00/sft (LMR)	127575.00
8(a)	<p>Centering and shuttering incl. Structuring proper and removal of frame work Foundation 9' thick brick wall $1' \times 106'-6'' \times 1'-9'' \times 2 \text{ side} = 372.75$</p>	60.47m2	179.25/m2	Rs 10,839

	<p>4 ½ thick wall 1'x38'-0x1' = 2 side = 76.00 Plinth 1x96'-0x1' = x 2 side = 192.00 1x5'-0x2'-0 = 2 side = 10.00 650.75 sft or 60.47m2</p>			
8(b)	<p>Lintel bend 2x(25'-0'+18'-6')x2 side x9'=130.50sft Bottom of opening Ent door = 1x5'-0'=5 sft D1 = 1x3'-3'=3.25 W1 = 1x4'-0'=4 W2 = 2x3'-0' =6 V = 6x2'-0'=12 Urinal opening 1x7'-0' = 7.00 Total = 158.43 sft or 14.72 m2</p>	14.72 m2	305.70/m2	4500/=
8 (c)	<p>Shuttering for slab 1x28'x21'=588 sft=54.65m2</p>	54.65m2	372.40/m2	20352
8 (d)	<p>Edge of slab 2x(28+21)98rft=29.88rm</p>	29.88rm	176.55/rm	5275
9	<p>p/l of Rcc work in lintel beams etc lintal beam 106'-6'x9''x9'' = 59.70 cft Wash basin shower 2x3'-0'x2'-0'x3''=3.00 Total 60.90 cft SLAB 28'x21'x6''=294cft Total=354.9cft=10.04m3</p>	10.04 m3	5776.45/m 3	57996
10	<p>Steel reinforcement for rcc work including bending, binding and placing in position including cost of binding work Qty. Wide item no 9 = 10.04 m3 @ 100kg per m3 = 1047kg</p>	1047kg	71/kg	74337
11	<p>Half brick work in cement 1:4 in super structure 4 ½ thick wall 1x38'-0' x 9'-0 = 342 sft Front from 2 x 6' 0' x 7'-0' = <u>84.00</u> 426.00 sft D/d doors 7 nos 7 nos x 2'-6'x7'-0 = 122.50 303.50sft or 28.20 m2</p>	28.20m2	651/m2	18358
12	<p>12 mm cement plaster in 1:4 mix in roof 28'x21'=588 sft 90%=529.2sft=49.18m2</p>	49.18m2	158 /m2	7770
13	<p>15 mm thick cement plaster 1:6 (mix) Inside care jawer ror 1x2 (8'-6+7'-0') = 31.00 Colen sc 1x2 (9'+7'-0'') = 32.00</p>	264.77 m2	164.40/m2	43,528

	<p>Passeg $2 \times 2(11'-3'+4'-0'') = 30.50$ w/ basin $2 \times 2 \times 2'-0'' = 8.00$ w.c $6 \times 2(4'-6 + 3'-6) = 96.00$ bath $1 \times 2(5'-0'+4-7 \frac{1}{2}) = 19.25$ or 264.77 urinals $1 \times 2(7'-0+6'-6') = 27.00$ $244.75 \times 9'-0 = 2202.75$ sft -(f) D/d vide no (5) $253.75 \times \frac{1}{2} = 126.87$---(g) Out side $1 \times 2(25'-0 + 20'-0') \times 10'-0'' = 900.00$ sft_-(H) Total f+h-g = 2849 sft or 264.77 m2</p>			
14	<p>Providing and fixing of ist class ceramic tiles over 12mm thick bed of cement mortor 1:3 on walls Qty. Vide item no-13 (F) 244.75 sft $\times 5' 0' = 1223.75$ sft Front walls $1 \times 25'-0 \times 10'' 0' = 250 =$ 1473.75 ---(M) D/d ent door $1 \times 5'-0 \times 7'-0' = 35.00$ } w.c door = $7 \times 2' 6'' \times 7'-0 = 122.50$ } (157.5 -(N) total M-N = 1316.25 sft or 122.32 m2</p>	122.32m2	834.20/m2	1,02,039
15	<p>Providing and fixing of vitrified tiles flooring 60x60 cm size laid over 20 mm thick mortor 1:4 Qty. Vide (item no3 -E) 347.74 Steps $1 \times 5'-0'' \times 1'-0 \times 3$ nos = 15.00 Total 362.74 sft or 33.64 m2</p>	33.64m2	1421.20/m2	47810/=
16	<p>Tile cladding $2 \times 25' \times 12' = 600$sft $2 \times 20' \times 12' = 480$ 1080sft@70%=756sft</p>	756sft	90/sft (LMR)	68040
17	<p>Distempering with oil bound distemper coats incl. Forming coat Qty vide item no-13 (F-G) = 2075.88 sft qty vide item no 20) 1316.25 Total 759.63 or 70.60 m2</p>	70.60m2	85.15/m2	6012/=
18	<p>Finishing walls with water proofing cement paint two or more coats incl. Priming coat qty vide item no Item 13 (H-G) 773.13 sft D/d front wall $\frac{250.00}{523.13}$ sft Or = 48.61 m2</p>	48.61m2	59.60/m2	2898/=
19	Carriage of material from source at site of works	L.S		15000/=
	Sub total			771326/=
	Add 25% above as anticipated appreciation to PWD SSR of 2012 on all items except LMR items i.e on 585217			146304/=
	Add provision for septic tank, overhead tank, soakage pit/ sump tank			250000/=
		Total		1167630/=

	Add 10% for sanitary fitting Add 3 % for electrification Add 3 % for contingency charges			116763/= 35028/= 35028/= Grand total 1354449/=
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Say=13.55 lacs

Note: Tender appreciation can vary from 25% to 30% above on SSR-2012 for location in for flung areas.

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