



Institute Works Department

Ref. No.: IIT(BHU)/IWD/CT/82/GTAC/2017-18/2545

Dated: 07 March, 2018

QUOTATION NOTICE

1. Open tender quotation are invited from **empanelled and eligible contractors/vendors of IWD, UWD(BHU), and those of appropriate list of C.P.W.D. for construction of toilet with panel room in GTAC, IIT(BHU), Varanasi** as per description below. The sealed envelope containing quotation shall be superscripted with the name of the work, tender enquiry ref. no. & date. The quotations will be received up to **3:00 P.M on or before 26.03.2018** in the office of Chairman, Institute Works Department, IIT(BHU), Varanasi.

Sl. No.	Description of Item	Quantity	Unit	Rate	Unit	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
	All kinds of soil. (2.8.1)	10.00	cum		cum	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) (4.1.8)	5.00	cum		cum	
3	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :					
	1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm	13.00	cum		cum	



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	nominal size)(5.2.2)					
4	Centering and shuttering including strutting, propping etc. and removal of form for :					
	Suspended floors, roofs, landings, balconies and access platform (5.9.3)	99.00	Sqm		Sqm	
5	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.					
	Thermo-Mechanically Treated bars. (5.22A.6)	1300.00	kg		kg	
6	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:.					
	Cement mortar 1:6 (1 cement : 6 coarse sand)(6.1.2)	3.50	cum		cum	
7	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in:					
	Cement mortar 1:6 (1 cement : 6 coarse sand)(6.4.2)	25.00	cum		cum	
8	12 mm cement plaster of mix :1:6 (1 cement: 6 coarse sand)					
	1:6 (1 cement : 6 coarse sand) (13.4.2)	216.00	Sqm		Sqm	
9	15 mm cement plaster on rough side of single or half brick wall of mix :					
	1:6 (1 cement : 6 coarse sand) (13.5.2)	75.00	Sqm		Sqm	
10	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 @2.20kg/ 10 sqm)(13.46.1)	75.00	Sqm		Sqm	
11	Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even	216.00	Sqm		Sqm	



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	and smooth complete.(13.80)					
12	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :					
	New work (two or more coats) over and including water tinnable priming coat with cement primer (13.41.1)	216.00	Sqm		Sqm	
13	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					
	Two or more coats on new work (13.61.1)	20.00	Sqm		Sqm	
14	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.(2.25)	5.00	cum		cum	
15	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.(4.17)	10.00	Sqm		Sqm	
16	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete					
	Size of Tile 600 x 600 mm (11.41.2)	47.00	Sqm		Sqm	



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17	Providing and laying Ceramic glazed floor tiles of size 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.(11.37)	6.00	Sqm		Sqm	
18	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.(11.36)	30.00	Sqm		Sqm	
19	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board Construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters					
	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws. (9.20.2)	8.00	Sqm		Sqm	
20	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.					
	Second class teak wood					



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	30 mm thick (9.9.1.2)	1.10	Sqm		Sqm	
21	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :					
	250x16 mm (9.96.2)	3.00	Nos		each	
22	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :					
	125 mm (9.100.1)	8.00	Nos		each	
23	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :					
	250x10 mm (9.97.2)	4.00	Nos		each	
24	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.					
	Single rubber stopper (9.101.1)	4.00	Nos		each	
25	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).					
	Sal wood (9.1.2)	0.20	cum		cum	
26	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of					



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	approved steel primer using structural steel etc. as required.					
	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works. (10.25.2)	13.00	kg		kg	
27	Carriage of malba. (Approved rate)	3.00	Trip		Trip	
28	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge.					



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	(d) Finishing the surface with 20 mm thick joint less cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer in-Charge : (22.7.1)					
	With average thickness of 120 mm and minimum thickness at khurra as 65 mm. : (22.7.1)	26.00	Sqm		Sqm	
29	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry. (22.5)	18.00	Sqm		Sqm	



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30	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :					
	W.C. pan with ISI marked white solid plastic seat and lid. (17.2.1)	1	Nos		each	
31	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required :					
	Single half stall urinal with 5 litre P.V.C. automatic flushing cistern. (17.5.1)	1	Nos		each	
32	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:					
	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap. (17.7.2)	1	Nos		each	
33	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.(17.31)	1	Nos		each	



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34	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.					
	450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms (17.73.1)	1	Nos		each	
35	Providing and fixing C.P. brass bib cock of approved quality conforming IS:8931					
	15 mm nominal bore (18.49.1)	2	Nos		each	
36	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.					
	15 mm nominal bore. (18.52.1)	2	Nos		each	
37	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete					
	100 mm dia					
	Sand cast iron S&S as per IS:-3989 . (17.38.1.2)	6	Nos		each	
38	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes					
	110 mm diameter. (12.41.2)	6.00	Mtr		Mtr	
39	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.					
(A)	Bend 87.5°					
	110 mm bend (12.42.5.2)	4	Nos		each	
(B)	Shoe (Plain)					



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	110 mm Shoe (12.42.6.2)	4	Nos		each	
40	Providing and fixing M.S. stays and clamps for sand cast iron/centrifugally cast (spun) iron pipes of diameter :					
	100 mm (17.59.1)	4	Nos		each	
41	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :					
	100 mm inlet and 100 mm outlet					
	Sand cast iron S&S as per IS: - 3989 (17.60.1.1)	2	Nos		each	
42	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36 mm height of approved quality and colour, weighing not less than 300 gms. (17.74)	1	Nos		each	
43	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.					
	Internal work - Exposed on wall					
(A)	15 mm dia nominal bore. (18.10.1)	26.00	Mtr		Mtr	
(B)	20 mm dia nominal bore. (18.10.2)	25.00	Mtr		Mtr	
44	Providing and fixing soil, waste and vent pipes :					
	100 mm dia. Centrifugally cast (spun) iron socket & spigot (S &S) pipe as per IS :3989 (17.35.1.2)	20.00	Mtr		Mtr	
45	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :					
	150 mm diameter. (19.1.2)	5.00	Mtr		Mtr	



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46	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :					
	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia. (2.10.1.2)	5.00	Mtr		Mtr	
47	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design :					
	150 mm diameter S.W. pipe. (19.3.2)	5.00	Mtr		Mtr	
48	Providing and fixing collar :					
	100 mm					
	Sand cast iron S&S as per IS: - 3989 (17.57.1.2)	3	Nos		each	
49	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter :					
	100 mm (17.58.1)	10	Nos		each	
50	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :					
	25 to 40 mm nominal bore. (18.13.1)	1	Nos		each	
51	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :					
(A)	15 mm nominal bore (18.18.1)	1	Nos		each	
(B)	20 mm nominal bore. (18.18.2)	1	Nos		each	



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52	Providing and fixing single equal plain junction of required degree					
	Sand cast iron S & S as per IS - 3989 : 100x100x100 mm (17.44.1.2)	2	Nos		each	
53	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :					
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 : (19.27.1)	2	Nos		each	
54	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer – in - charge.)					
	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix) (15.2.1)	5.00	cum		cum	
INCLUSIVE OF GST AND ALL OTHER TAXES TOTAL ₹						
AMOUNT IN WORD Rs.						

2. The bidders should submit self certified order copies of similar type of construction works executed during last three financial years alongwith self certified copies of satisfactory work completion certificates.
3. Those bidders who have already executed similar type of works in IWD, IIT(BHU) need not submit satisfactory work completion certificates. They should submit only the self certified copies of earlier work orders.
4. The amount of similar work order executed during preceding last three financial years should be at least:
 - (i) 1 order of 80% of estimated cost of this work.
OR
 - (ii) 2 order of 60% of estimated cost of this work.
OR
 - (iii) 3 order of 40% of estimated cost of this work.



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5. (a) Intending bidder should have average annual financial turnover of at least at least 30% of the estimated cost of this works during preceding last three financial years. **Self certified photocopies of certificate from CA to be submitted with bid.**
(b) Should not have incurred any loss in more than three years during the preceding three financial years ending 31st March, 2017. **Self Certified photocopy of certificate from CA to be submitted alongwith last five years Profit & Loss Account to be submitted with bid.**
(c) Should have a solvency certificate of **40%** of the estimated cost issued by Bank during the last six months. **Certified copy of original solvency certificate to be submitted with bid.**
6. Any bid submitted without the above mentioned documents in support of criteria laid down from Sl. No. 2 to 5 above shall be treated as unresponsive and may not be considered for further evaluation by the tender opening committee.
7. The quotation forms complete in all aspects along with all required documents should be submitted in sealed envelope along with **tender fee of ₹ 500/-** in the form of demand draft drawn in favour of the Registrar, IIT (BHU), payable at Varanasi
8. The estimated cost of this work is ₹ **7,21,981.00** The **earnest money deposit** of ₹ **14,500/-** shall be submitted in the form of FDR or DD in favour of the Registrar, IIT (BHU), payable at Varanasi. The **EMD** of successful bidder will be retained till the completion of work and shall be returned after the payment of final bill & deduction of security. The EMD of unsuccessful bidders shall be returned after the final award of work.
9. In case one or more eligible bidders are found lowest that is the L-1 prices are same then all L-1 bidders will be asked to resubmit their bids in sealed envelop with the objective to break the tie cases and determine a single L-1 bidder.
10. The works will be executed on Agreement/work order basis.
11. Institute reserves the right to reject any quotation or all quotation without prejudice, assigning any reason or giving any explanation.
12. If quotation are submitted without clearly writing the rates then quotation will not be considered.
13. Quotation not signed by the contractor or his legally authorized agent will be considered invalid.
14. 1% water tax will be deducted from each bill, wherever applicable.
15. Electricity charge will deducted as per actual consumption.
16. 2% Income Tax and other applicable taxes such as GST etc. shall be deducted as per applicable Govt. rules.



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17. **Amount and quantity variation**: Quantity may vary as per actual work execution/site requirement/end user suggested changes during execution but the final bill value shall not exceed more than 5% of order value.
18. **Work completion period**: Within 120 days from the issue of work order/date of agreement. Work completion certificate shall be issued by the IWD after obtaining a satisfactory work done report from the user. A period of 10 days will be added to the work completion period for completion of above procedure.
19. **Late work completion penalty**: If work is not completed within the given time, penalty will be deducted 1% per week or part thereof, subject to a maximum of 10% of work order value.
20. Any damage caused to the building shall have to be made good by contractor at no extra cost & without any delay.
21. Duly completed tender document alongwith eligibility criteria documents, quotation form, tender fee & E.M.D. should be sealed in one Envelop which should be superscribed with Name of work, Tender Reference No. & date submitted on or before the last date & time as mentioned at S. No. 1 above.
22. The empty containers of paint/adhesive/chemicals etc. used in the work are to be returned to the custody of Engineer-in-charge.
23. The bids submitted after the last date & time will not be considered for opening. The bids received within the last date & time will be opened on 27.03.2018 at 3:00 P.M. in the Committee room (Ground Floor) of the Administrative Building, IIT(BHU), Varanasi.

Sd-
Assistant Registrar & Member Secretary
IWC, IIT(BHU),
Varanasi

QUOTATION FORM

Ref. No:

Dated:

*The Chairman (IWC),
Institute Works Department
Indian Institute of Technology (BHU)
Varanasi - 221005*

Sub: Quotation for _____

Dear Sir,

With reference to the Quotation invited by you for the captioned work. I/We do hereby offer to perform, provide, execute, complete and maintain work in conformity with the drawing, conditions of tender, articles of agreement conditions of contract, specification and quantities of the sum of Rs. _____
(Rupees _____
_____) at the respective rates mentioned in the quotations.

My/Our quotation will remain open for acceptance for 12 months from the date of its opening.

Yours faithfully,

Date: _____

(Signature of contractor with seal)

