

BOSE INSTITUTE KOLKATA
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Tender No.	BI/T/OVR/07/2018
Tender Date	25.01.2018.
Tender Type	Limited

Tender Title	<b>Construction of toilet for securities at Madhyamgram Experimental Farm, Bose Institute.</b>
Schedule of work	<b>Annexure - II</b>
Quantity	Please refer to Annexure - II

Last Date & Time for submission	15.02.2018 upto 12 noon
Date & Time for opening bids	15.02.2018 at 12:30 p.m.
Submission of Tender (address)	Tender box at Overseer Cell, Ground floor at centenary building, Bose Institute, P-1/12, CIT Scheme VII-M, Kolkata 700 054
Venue of bid opening	Annexe Block, Centenary Building
For any query the interested bidders may contact (Dept./Section/Div./Unit)	033 2569 3212

General & Special Terms & Conditions	<b>Annexure - I</b>
Time of completion of the work	05 (Five) weeks from <b>3rd</b> day of receiving the Work Order.
Bid security (earnest money deposit) if applicable	N.A.
Any other information (if applicable)	N.A.

<b>Name of the job and submission of tender should be mentioned on the envelope positively</b>
<b>Director, Bose Institute reserves the right to accept or reject any or all tenders either in part or in full. The reasons for rejecting the tender of a prospective bidder will be disclosed only when enquiries are made.</b>

Sd/-  
**Sr. Professor & In -charge, Registrar's Office**

**BOSE INSTITUTE  
P-1/12 C.I.T Scheme-VIIM  
Kolkata – 700054.**

**NOTICE INVITING TENDER**

**Tender No.:- B.I./T/OVR/07/2018**

**Date: 25.01.2018.**

To

**All enlisted contractors (Group – A & B)**

**Name of Work: Construction of toilet for securities at Madhyamgram Experimental Farm, Bose Institute.**

Dear Sirs,

The undersigned invites you to tender your rates for works detailed in the enclosed schedule, subject to the following terms and conditions as integral parts of the contract for the tender.

1. Quotations in duplicate under a sealed cover superscripted with the words "Tender No. **B.I./T/OVR/07/18** dated **25.01.2018** due on **15.02.2018** should be send to the office of the Registrar, at the above address, so as to reach **on or before 12:00 noon on 15.02.2018 to be opened** at 12:30 P.M. on the same day.
- 1.a). The tenderers are requested to submit the photocopies of following documents duly signed by the proprietors / authorizes signatories along with the tender paper positively.
  - i) **Pan card of the owner**
  - ii) **Last Income Tax clearance certificate**
  - iii) **Valid Vat Registration certificate**
  - iv) **Proper authentication of proprietorship / Partnership/ Authorized representative of the Firm.**

***Failing which the tenders may be treated as cancelled without showing any reason.***
2. Tenders received beyond the schedule date and time will not be entertained in any case.
3. The tender/offer should be clear and precise quoting the net price(s) per unit both in words as well as figures, with break-up of different elements, if asked for. The price(s) quoted should be inclusive of Sales Tax, Income Tax, and other charges, etc.
4. In case the quotation is accepted and order placed, the contractor shall remain liable to complete the work within the stipulated date.
5. Time of completion **05 (Five) weeks from 3rd** day of receiving the Work Order.
6. Time, being the essence of contract, the contractor shall pay or allow the employer the sum equivalent to 1% of the total cost of work awarded per week, subject to a limit of 10% of the order value or the final bill amount whichever is greater, as liquidated damages for the period during which the said works shall remain incomplete beyond the time f completion mentioned above or beyond the time duly extended in writing. The employer may deduct such damages from any money due to the contractor.
7. Item prices once quoted will be firm and fixed. No price escalation will be entertained even for the works executed within the extended period, if any.
8. In case the order is cancelled due to non-compliance of the contractual terms and conditions, the Institute reserves the right to execute the job at its own cost and the differential amount, if any, on account of the alternative arrangement will be intimated to and recovered from him.
9. Guarantee period: The contractor shall give guarantee for a period of six months from the date of final handover and shall remain liable for rectification of defects, if any arises, within the said period at free of cost
10. All materials procured by the contractor will be subjected to inspection and/or tests prescribed in the specifications.
11. R/A or final bills: 90% payment will be made against your bill on actual measurement basis for the tender value worth of Rs. 20,000/- 100% payment will be released.
12. Incomplete tenders will be liable to cancellation.

13. The tender/offer shall remain valid for acceptance till 03 months from the scheduled date of its opening.
14. The contractor shall remain liable for any incidental charges occurred from natural calamities, accidents etc.
15. **Supplementary/Non-Schedule Items:** Rates for supplementary/Non-schedule items will be ascertained on the basis of P.W.D. Schedule of Rates, WBPCES (Current), plus/minus percentage above/below as reflected in contractor's quoted rates or the actual cost of materials and labour plus 15% towards overhead and profit, whichever is less.
16. **Water and Electricity:** Water and electricity as may be required for the work may be provided free of cost, subject to availability, at our source and contractor will make his own arrangement for distribution. However, no claim will be entertained for non-supply of water and electricity by the Institute.
17. **Storage Space:** A space for storage of materials may be provided by the Institute but the responsibility for security of the materials and machineries rests with the contractor.
18. **Removal of Rubbish/Debris:** The rubbish/debris etc. out of dismantling worn-out plaster, walls etc., shall be removed by the contractor from the work site from time to time, as per direction of the Engineer-in-charge.
19. **Indemnifying against damages:** Contractor shall, during the course of execution, be responsible for all damages to property and for any injury or loss caused to the work or workmen, to persons or things. The contractor shall make good all such damages besides damages out of dismantling plasters/walls/concrete surfaces during the course of execution at their own cost/risk.
20. **Work during holidays etc.:** Prior approval from the competent authority has to be obtained for persons to be engaged during holidays and/or beyond office hours, in listed form, mentioning, their names and addresses.
21. The quantities may vary up to 10% and beyond the limit of 10% approval of Competent Authority is required to be obtained prior to execution.
22. The contractor shall abide by the Rules and regulations of labour wages act.
23. Bose Institute reserves the right to reject any or all tenders without assigning any reasons thereof.

In case of any discrepancy, the order of precedence in interpretation shall as follows :

- (i) Schedule of Quantities and Rates.
- (ii) Special conditions of contract.
- (iii) Institute's General Conditions of contract.
- (iv) I.S. Code.
- (v) Best Engineering Practices.

Yours faithfully,

Sd/-  
**Sr. Prof. & In – Charge**  
**Registrar's Office**

**Enclosure:** Schedule & Quantities

**Bose Institute**  
**Kolkata**

**Schedule for making security toilet at Madhyamgram Experimental Farm, Bose Institute.**

SL. No.	Description	Qty	Unit	Rate	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 kind of soil	06	Cum		
2.	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	07	Sqm		
3.	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity)	03	Cum		
4.	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)	2.5	Cum		
5.	Cement concrete with graded jhama khoa (30 mm size) excluding shuttering In ground floor and foundation. (a) 1:4:8 proportion	01	Cum		
6.	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand)	39	Sqm		
7.	Supplying , fitting & fixing Zn-Al alloy (55% Al & 45% Zn) coating of 150 grams per sq. metre (followed by colour coated on both side) steel sheet work having minimum yield strength of 550 Mpa of trapizoidal profile of approved make (excluding the supporting frame work) fitted and fixed with 55 mm & 25 mm self tapping screw, EPDM Washer 16 mm dia & 3 mm th. washer etc. complete with 150 mm end lap and one corrugation minimum side lap. (Payment to be made on area of finished work). (i) In Roof:- a) With 0.5 mm thick sheet	12	Sqm		

SL. No.	Description	Qty	Unit	Rate	Amount
8.	Supplying, fitting & fixing fiber reinforced polymer (FRP) Composite door shutters as per approved design with glass fiber reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor (i) 32 mm thick.	5.02	Sqm		
9.	Supplying, fitting and fixing fibre reinforced polymer (FRP) Composite door frame as per approved section with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolithic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS: 4020 door testing performance criteria.. (i) 66mm x 90 mm	10.4	Mtr.		
10.	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	29	Sqm		
11.	Supplying best Indian sheet glass panes set in putty and fitted and fixed with nails and putty complete. (In all floors for internal wall & upto 6 m height for external wall) (a) 04 mm thick	01	Sqm		
12.	Neat cement punning.	05	Sqm		
13.	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	105	Kg		

SL. No.	Description	Qty	Unit	Rate	Amount
14. b)	<p>Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete ( 1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing.</p> <p>a) Open-able steel windows as per IS sizes with side hung shutters and horizontal glazing bars. [The extra rate admissible for the openable portion only]</p>	02	Sqm		
15.	20 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	52	Sqm		
16.	<p>Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 meter from the bottom having 150 mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 meter from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick work, 15mm thick cement plaster (1:4) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (1:4) on top of the R.C.C. cover slab including filling bottom 1.00 metre of inside of the well with brick metal (50 mm to 63 mm size) including R.C.C. cover slab of 100 mm thick with cement conc (1:1.5:3) with stone chips with necessary reinforcement and shuttering including one 560 mm dia. R.C.C. manhole cover (heavy type)of approved make supplied, fitted and fixed in the cover slab with necessary fittings, making necessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the excess earth from the premises as per direction complete in all respect with all costs of labour and materials. With 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.00m inside dia.</p>	01	Each		

SL. No.	Description	Qty	Unit	Rate	Amount
17.	<p>Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry back side of tiles using cement @ 2.91Kg./sqM or using polymerised adhesive (6 mm thick layer applied directly over finished artificial stone floor/Mosaic etc without any backing course) laid after application slurry using 1.75 Kg of cement per sqM below mortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles / epoxy grout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer' specification and direction of Engineer-in-Charge.(White cement, synthetic adhesive and grout material to be supplied by the contra conc (I) With application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) &amp; 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment.</p> <p>(B) Light Colour</p>	07	Sqm		
18.	<p>Supplying, fitting &amp; fixing 1st quality Ceramic tiles in walls and floors to match with the existing work &amp; 4 nos. of key stones (10mm) fixed with araldite at the back of each tile &amp; finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive &amp; grout materials etc. With Sand Cement Mortar (1:3) 15 mm thick &amp; 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m &amp; joint filling using white cement slurry @ 0.20kg/Sq.m. Other than Coloured decorative including white</p>	28	Sqm		

## **Sanitary Plumbing**

<b>SL. No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
19.)	Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position with brass screws on 75 mm X 75 mm X 75 mm wooden blocks complete. a. 590mm x 390mm x 380mm	02 Nos.	Each		
20.	Supplying, fitting and fixing Anglo-Indian W.C. in white glazed vitreous china ware of approved make complete in position with necessary bolts, nuts etc. a. With "P" trap (with vent)	01 No.	Each		
21.	Supplying, fitting and fixing 10 litre porcelain low-down cistern of approved make with side or bottom inlet, side overflow, brackets complete with all internal PVC fittings. (White)	01 No.	Each		
22.	Supply fitting and fixing of UPVC pipes (B Type) & fittings conforming to IS-13592-1992: Double socket 3 meter length i. 110 mm	06	Mtr.		
23.	Supply fitting and fixing of UPVC pipes (B Type) & fittings conforming to IS-13592-1992: Double Socket 1.2 Meter Length i. 110 mm	05	Mtr.		
24.	Supply fitting and fixing of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 a. Fitting i. Door tee (110 mm)	02 Nos.	Each		
25.	Supply fitting and fixing of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 a. Fitting i. Plain Tee (110 mm)	01 No.	Each		
26.	Supplying, fitting and fixing C.I. square jalli. i. 100 mm	02 Nos.	Each		
27.	Supply fitting and fixing of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 i. Vent Cowl (110 mm)	01 No.	Each		



SL. No.	Description	Qty	Unit	Rate	Amount
28.	Supply fitting and fixing of UPVC pipes (B Type) & fittings conforming to IS-13592-1992. i. Door Bend (T.S.) (110mm)	04 Nos.	Each		
29.	Supply fitting and fixing of UPVC pipes (B Type) & fittings conforming to IS-13592-1992. i. Bend 45° 110 mm	04	Each		
30. PWD	Supplying, fitting and fixing CPVC (Chlorinated Poly vinyl Chloride) pipes of approved make conforming to IS-15778: 2007. With all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. (a) For Exposed Work. (25 mm) (b) For Exposed Work (15 mm)	35 20	Mtr. Mtr.		
31.	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	01 No.	Each		
32.	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.	01 No.	Each		
33.	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	02 Nos	Each		

SL. No.	Description	Qty	Unit	Rate (Rs.)	Amount
34.	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS: 8931. 15 mm nominal bore	01 No.	Each		
35.	Supplying, fitting and fixing shower of approved brand and make. (i) Chromium plated round shower with revolving joint 100 mm dia with rubid cleaning system (Equivalent to Code No. 542(N) & Model - Tropical / Sumthing Special of ESSCO or similar brand).	01 No.	Each		
36.	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	04 Nos.	Each		
37.	Supplying, fitting and fixing in position G.I. pipes of TATA make for underground works with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, short piece etc. including cost of all materials, jointing materials, cutting pipes, making threads, cutting trenches upto 1.5 meter below surface in all sorts of soil and refilling the same as directed with two coats of painting on G.I. pipes and specials with bituminous paint complete in all respect. (Payment will be made on the centre line measurement of the total pipe line including all specials No separate payment will be made for accessories, specials. Payment for painting will be made separately) (i) 15 mm dia. Medium quality	04	Mtr.		
38.	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 a. 110 X 110 P Trap	02 Nos.	Each		

Total Rs