

Tender Inviting Authority: Principal Sainik School Purulia

Name of Work: CONSTRUCTION OF CLASSROOMS ALONG WITH BATHROOMS IN SHIKSHA NIKETAN SAINIK SCHOOL PURULIA

Contract No: SN/Class Room/2018-19

Name of the Bidder/ Bidding Firm / Company :

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE including Taxes In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, leveling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1500 mm.	485	CuM		0	INR Zero Only
2	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work) (a) With earth obtained from excavation of foundation.	340	CuM		0	INR Zero Only

3	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm. as directed and consolidating same by thorough saturation with water ramming complete, including the cost of supply of sand. (Payment to be made on measurement of finished quantity)+B14	150	CuM		0	INR Zero Only
4	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth or local sand.	700	Sqm		0	INR Zero Only
5	Cement concrete with graded jhama khoa (30 mm size) excluding shuttering In ground floor and foundation. In ground floor and foundation					
5.01	1:4:8 proportion	32	CuM		0	INR Zero Only
5.02	1:3:6 proportion	60	CuM		0	INR Zero Only
6	Controlled cement concrete grade M25 mix with well graded stone chips (20 mm. grade), Pakur variety excluding shuttering and reinforcement, with complete design of concrete as per ISI-456 and relevant special publications, submission of job mix formula after preliminary mix design after testing of concrete cubes as per direction of Engineer-in-charge. Consumption of cement will not be less than 300kg of cement per cubic meter of controlled concrete with super plasticizers but actual consumption will be determined on the basis of preliminary test & job-mix formula. In Foundation & ground floor	235	CuM		0	INR Zero Only
7	Hire and labour charges for steel/ply shuttering with centering and necessary staging upto 4 m. using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams, columns, lintels curved or straight including fitting, fixing and striking out after completion of works. (upto roof of ground floor) Upto roof of ground floor	1540	Sqm		0	INR Zero Only

8	Reinforcement with Fe 415 grade for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc. including supply of rods, initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every inter-section, complete as per drawing and direction. In foundation & ground floor	23.5	MT		0	INR Zero Only
9	Brick work with 1st class bricks in cement mortar (1:6)					
9.01	In foundation upto plinth	50	CuM		0	INR Zero Only
9.02	In superstructure, ground floor	118	CuM		0	INR Zero Only
10	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) with H.B. netting in every third layers In superstructure & ground floor	360	Sqm		0	INR Zero Only
11	25 mm. thick damp proof with cement concrete (1:1.5:3) (with graded stone aggregate 10 mm. Normal size) and painting the top surface with a coat of bitumen using 1.7 kg. per sq.m. including heating the bitumen and cost and carriage of all materials complete.	85	Sqm		0	INR Zero Only

12	<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's specification and direction of Engineer-in-Charge. (a) With application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment. Ground floor</p>	360	Sqm		0	INR Zero Only
13	<p>Supplying, fitting and fixing 1st quality digitally printed Ceramic tiles non-decorative of any colour including white of any size in walls & floors including borders & finishing the joints with white cement mixed with colouring oxide (if required) to match the, colour of tile. In walls with Sand : Cement mortar (1:3) 15 mm thick & 2 m thick cement slurry at back @ 2.91 Kg./m2 & joint filling with white cement @ 0.20 Kg./m2. In ground floor</p>	145	Sqm		0	INR Zero Only

14	<p>Supplying, fitting and fixing 18 mm. to 22 mm. thick Kota Stone slab in wall, dado in 15 mm thick [avg] cement mortar (1:3) including making suitable arrangement to hold the stone properly by brass / copper hooks including pointing in cement mortar (1:2) (1 cement : 2 marble dust) with admixture of pigments matching the stone shade, including grinding and polishing all complete as per direction of Engineer-in-charge including cost of materials, labour, scaffolding, staging, curing complete. [Using cement slurry for bedding @4.4 kg/Sq.m and for jointing @1.8 kg/Sq.m]</p> <p style="text-align: center;">Ground Floor</p>	65	Sqm			0 INR Zero Only
15	<p>M.S. or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor including two coats of synthetic enamel paint over a coat of primer to give an even shade.</p>	1380	Kg			0 INR Zero Only
16	<p>Collapsible gate with 40mm x 40mm x 6mm Tee as top and bottom guide rail, 20mm x 10mm x 2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as collapsible bracings properly rivetted and washered including 38mm steel rollers including locking arrangements, fitted and fixed in position with lugs set in cement concrete and including cutting necessary holes, chasing etc. in walls, floors etc. and making good damages complete.</p>	13	Sqm			0 INR Zero Only

17	Supplying, fitting & fixing of casement Aluminium Window 40 mm depth series of all Aluminium sections viz. window frame (top, bottom & side frame), shutter (top, bottom, side & interlock member) made of aluminium alloy extrusions conforming to IS 733-1983 & IS 1285-1975, anodised conforming to IS 1868-1983, fitted with all other accessories viz. PVC roller, EPDM gasket, maruti lock, screws etc. including labour charges for fitting & fixing of aluminium 2-track/3-track sliding window with fixing of glass (excluding cost of glass) all complete as per architectural drawings and direction of Engineer-in-charge. 3/4 Track Sliding Window 10-12 Micron th. Anodizing	60	M2			0 INR Zero Only
18	Supplying EPDM gasket of approved make and brand as per direction of Engineer in charge. For openable / Casement windows EPDM / weather gasket for outer frame and mullion.	325	Mtr			0 INR Zero Only
19	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. 4mm thick clear glass.	60	Sqm			0 INR Zero Only
20	Supplying stainless steel functional hinge for casement window as per approved brand as directed. (Natural White)	32	Nos			0 INR Zero Only
21	Supplying Heavy Duty Aluminium Handle (EBCO Type) (Natural White)	32	Nos			0 INR Zero Only
22	Wood work in door and window frame with Sal (Siliguri) fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame. (The quantum should be corrected upto three decimals). Ground floor	0.42	CuM			0 INR Zero Only
23	Supply, fitting & fixing M.S. Clamps 40 mm x 6 mm x 125 mm long for fixing door and window frame made of flat bent bar, end bifurcated, fixed in cement concrete with stone chips (1:2:4) fitted and fixed complete as per direction.	126	Each			0 INR Zero Only

24	Supplying 'GODREJ' mortise lock with latch and keys 6 levers, including fitting and fixing complete.	9	Each		0	INR Zero Only
25	Anodised aluminium butt hinges of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 205/66) and fitted and fixed with cadmium plated screws:					
25.01	75 X 45 X 2.5 mm	30	Each		0	INR Zero Only
25.02	100 X 63 X 3.2 mm	33	Each		0	INR Zero Only
26	Supplying bubble free 4 mm thick float glass of approved make and brand conforming to IS: 2835-1987.	60	Sqm		0	INR Zero Only
27	Anodised aluminium butt hinges of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 205/66) and fitted and fixed with cadmium plated screws:					
27.01	200 mm x 10 mm dia	11	Each		0	INR Zero Only
27.02	75 mm x 10 mm dia	20	Each		0	INR Zero Only
28	Anodised aluminum D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: With continuous plate base (hexagonal / round rod) 75mm grip x 10mm dia rod.	25	Each		0	INR Zero Only

29	<p>Supplying solid flush type doors of commercial quality, the timber frame consisting of top and bottom rails and side styles of well seasoned timber 65mm wide each and the entire frame fitted with 37.5mm wide battens places both ways in order to make the door of solid core and internal lipping with Garjan or similar wood veneers using phenol formaldehyde as glue etc. complete, including fitting, fixing shutters in position but excluding the cost of hinges and other fittings in ground floor. 35mm thick shutters (single leaf)</p>	23	Sqm			0 INR Zero Only
30	<p>Supplying fitting and fixing in position approved P.V.C. door frame (Matt finish) made of extruded P.V.C. multichamber hollow section having dimensions 60mm x 50mm x 2mm (+/-0.2mm), horizontal section will be joined with vertical section by galvanised steel screws after inserting two number steel brackets as reinforcement making suitable space for placing hinges, one steel tube 40mm x 20mm x 1.20 mm will be inserted on one full vertical side of the frame (hinge side) as reinforcement, the frame will then be fixed in the opening with the help of P.V.C. expandable fastener/wooden gutties and galvanised steel screws including cost of all materials and labour, hire charges of tools and appliances, carriage of all materials, taxes and all other incidental charges complete.</p>	50	Mtr			0 INR Zero Only

31	<p>Supplying fitting and fixing 37 mm thick P.V.C. door shutter of approved quality & shade in position, the style & rail of the P.V.C. door shutter will be made of rigid P.V.C. multicavity hollow chamber of suitable size and section with 2.0 mm (+/-0.2 mm) wall thickness, the section will have 2nos. built in beads, horizontal & vertical section shall be fixed to each other by self tapping screws and 2 nos. of solid plastic or M.S. tubular galvanised brackets of length 200mm x 80mm and other 100mm x 100mm both 1.20 mm in each corner of the shutter frame for placing hinges. Polymer based multicavity hollow section of 105 mm x37mm with 2.0 mm (+/- 0.2 mm) wall thickness will be fitted in the middle as lock rail reinforced by solid polymer bar of 200 mm long at both ends and screws from both sides. The section frame will then be fitted in by PVC panels of size 100 mmx20 mm with wall thickness of 1.2 mm (+/- 0.2 mm) and 2 nos. of 6 mm dia and screws from both sides 6mm dia bright rod will be inserted horizontally with both side check and nut system and stretches where fixing of hinges/ hasp bolt / tower bolt / door ring are required to be strong enough to with stand wear and tear. The rate is exclusive of cost of hinges, hasp bolt, tower bolt, door ring, etc.</p>		16	Sqm		0	INR Zero Only
32	<p>Plaster (to wall, floor, ceiling etc.) with sand and cement mortar (1:6) including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor). [Excluding cost of chipping over concrete surface]</p>						
32.01	15 mm. thick plaster - Internal	Ground floor	800	Sqm		0	INR Zero Only
32.02	15 mm. thick plaster -External	Ground floor	1160	Sqm		0	INR Zero Only
32.03	10 mm thick Ceiling plaster	Ground floor	430	Sqm		0	INR Zero Only

33	Priming one coat on timber, plastered or on steel or other metal surface with synthetic enamel/ oil bound primer of approved quality including smoothening surfaces by sand papering etc. [Page 200, Item 1 (b)]	150	Sqm			0	INR Zero Only
34	Rendering the surface of walls and ceiling with white cement based wall putty of approved make and brand(1.5mm thick) [Page 204, Item 5 (b)]	2390	Sqm			0	INR Zero Only
35	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC.	1230	Sqm			0	INR Zero Only
36	Applying 2 (two) coats of Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty.	1230	Sqm			0	INR Zero Only
37	Applying two coats decorative cement based paint of approved quality after preparing the surface including scrapping the same thoroughly (plastered or concrete surface) as per manufacturer's specification.	1160	Sqm			0	INR Zero Only
38	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl 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.						

38.01	15 mm dia	71	Mtr		0	INR Zero Only
38.02	20 mm dia	10	Mtr		0	INR Zero Only
38.03	25 mm dia	25	Mtr		0	INR Zero Only
38.04	32 mm dia	15	Mtr		0	INR Zero Only
39	Supplying fitting and fixing C.P. Bib cock/stop cock of approved make and brand tested of 21 Kg. per sq.cm. 12 mm dia	30	Nos		0	INR Zero Only
40	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete, C.I. brackets including two coats of painting to bracket etc.	8	Each		0	INR Zero Only
41	Supplying. fitting and fixing white vitreous chinaware best quality approved makes wash basin with C.I brackets on 75 mm x 75 mm wooden blocks. CP waste fittings of 32 mm dia. one approved quality brass C.P. pillar cock of 15 mm dia, C.P. chain with rubber plug of 32 mm dia, approved quality PVC waste pipe with C.P. nut 32 mm dia, 600 mm long approved quality PVC connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. 550 mm X 400 mm size	7	Each		0	INR Zero Only
42	Supply. fitting & fixing approved brand PVC connector white flexible, with both ends coupling with heavy brass CP nut, 15 mm dia [600 mm long]	8	Each		0	INR Zero Only
43	Supply, fitting & fixing approved brand 40 mm dia PVC 600 M long waste pipe, with coupling at one end fitted with C.P. over brass nut.	6	Each		0	INR Zero Only

44	Supply & erection of U.P.V.C. pipes for work above/below ground. including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps (any floor) or for underground work including cutting trenches upto 1.5 metre and refilling the same complete as per direction of the Engineering-charge. (Payment will be made on centre line measurement of the total pipeline including all fittings & specials, complete.					
44.01	Above Ground 110 mm dia	30	Mtr			0 INR Zero Only
44.02	Under Ground 110 mm dia	20	Mtr			0 INR Zero Only
45	EPWC in white glazed vitreous chinaware of approved make supplied, fitted and fixed complete in position with necessary bolts, nuts, etc.	6	Each			0 INR Zero Only
46	Supplying, fitting & fixing in position with brass screws white vitreous Chinaware 465 mm x 355 mm x 265 mm flat back half stall Urinal including 32 mm dia PVC flush pipe, waste fittings, complete.	2	Nos			0 INR Zero Only
47	Closet seat of approved make with lid and CP hinges, rubber buffer and brass screws supplied, fitted & fixed complete E.P.W.C [Bestolite (solid type white)]	6	Each			0 INR Zero Only
48	Supplying fitting & fixing half round vitreous chinaware channel with or without outlet as required set in cement concrete (6:3:1) with jhama chips complete. 600 mm x 100 mm	6	Mtr			0 INR Zero Only
49	Supplying, fitting & fixing bevelled edged plate glass mirror 5.5 thick silver red as per IS. 3438/1965 together with brass C.P. hinges. [600 mm x 450 mm]	7	Each			0 INR Zero Only
50	Supplying, fitting & fixing 25 dia Aluminium towel rail with two brackets, 900 mm long.	12	Each			0 INR Zero Only

51	Supplying, fitting & fixing 32 mm dia Polythene Flush pipe with necessary fixing materials and clamps, complete.	6	Each		0	INR Zero Only
52	Supplying , fitting & fixing Pits Valves full way (G.M.) standard pattern best quality of approved brand ISI make with fittings (tested to 21 Kgs. per Sqcm.)					
52.01	32 mm dia	3	Each		0	INR Zero Only
52.02	25 mm dia	2	Each		0	INR Zero Only
53	Supplying, fitting and fixing 18 mm thick marble partition slab with chawk doongri marble square cut, both sides polished with two front corners rounded and edges polished. (600 x 450 mm wide)	5	Each		0	INR Zero Only
54	Supplying, fitting & fixing C.I grating heavy type 100 mm & upto 150 mm square or round.	12	Each		0	INR Zero Only
55	Construction of Inspection pit of inside measurement 600 mm x 450 mm x upto 600 mm (depth) with 250 mm thick 1st class brick work in cement mortar (6:1) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (6:3:1, with jhama khoa over a layer of jhama brick flat soling, 12 mm thick (4:1) plaster to bottom of the pit, providing necessary invert with cement concrete (4:23:1, with jhama chips as per direction, neat cement finishing to entire internal surface, top of the pit covered with 100 mm thick RCC slab (4:2:1) with stone chips and necessary reinforcements upto 1% and shuttering including 6 mm thick cement plaster (4:1) in all external surfaces of the slab and one 560 mm dia RCC manhole cover of approved make supplied, fitted and fixed in slab with necessary fittings, necessary earthwork in excavation in all sorts of soil, filling sides of the pit with earth and removing spoils after work complete in all respect.	10	Each		0	INR Zero Only

56	<p>Construction of Septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (4:1) including two 560 mm dia RCC manhole cover of approved make supplied, fitted and fixed in the top slab with necessary fittings, 19 mm thick cement plastered (4:1) with neat cement finish to the internal surfaces and 12 mm thick cement plaster (4:1) to outside wall upto 200 mm below GL floor finished with 25 mm thick gray artificial stone including supplying, water as necessary, ramming, dressing the bed and refilling the sides of the tank with earth removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints, etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 5% by weight of cement, complete in all respect as per direction.</p> <p style="text-align: center;">For 100 users</p>		1 Each			0 INR Zero Only
----	---	--	--------	--	--	-----------------

57	Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150 mm intermediate cement brick work (6:1) band all round and cement brick work (6:1) upto 0.90 metre from top with 19 mm thick cement plastering (4:1) to inside face upto the depth of cement brick work, 12 mm thick cement plaster (4:1) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (4:1) on top of the RCC cover slab including fling bottom 1.00 metre RCC cover slab of designed thickness with cement concrete (4:2:1) with stone chips with necessary reinforcement and shuttering inducing one 560 mm dia RCC manhole cover of approved make supplied, fitted and fixed in the cover slab with necessary cutting, 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.	1	Each		0	INR Zero Only
58	Supplying, fitting & fixing 2500 Litre capacity multilayer PVC Water Storage Tank with lid. Including fittings	1	Each		0	INR Zero Only
59	Cost of Electrification @ 10% of civil cost	1	LS		0	INR Zero Only
60	Any other charges not covered from Ser No 1 to Ser No. 59	1	LS		0	INR Zero Only
Total in Figures					0	INR Zero Only
Quoted Rate in Words						