

No.CT/NIT/2023-24/11/1

Date: 29.08.2023

CORRIGENDUM-I

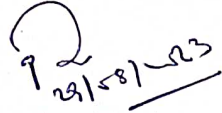
Name of the work: Emergency repairing, modification of Club room to provide the facility of RFID Counter under Port Access Control Systems (PACS) and construction of platform along with security room, enclosed pathway, toilet facility and other allied work at Gate No. 1 & 6 within PWBB compound area..

NIT NO. CT/NIT/2023-24/11 Dt: 21.08.2023

In continuation to the above mentioned NIT No. following is further notified.

Page Reference	In place of	To be read
Page no 36 to 54, <u>Bill of Quantity</u>	BOQ detailed under page no 36 to 54	Revised BOQ as per Corrigendum-I

All other terms and conditions remain unchanged as per original.


Superintending Engineer (Kol)
Syama Prasad Mookerjee Port, Kolkata



□□□□□□ □□□□□□ □□□□□□ □□□□□ □□□□□□
SYAMA PRASAD MOOKERJEE PORT, KOLKATA
सिविल इंजीनियरिंग विभाग
CIVIL ENGINEERING DEPARTMENT

BILL OF QUANTITIES (Revised)

<i>NIT No. CIT/NIT/2023-24/11</i>	<i>dt 21.08.2023</i>
PRICE BID	
Work: E- Tender for “Emergency repairing, modification of Club room to provide the facility of RFID Counter under Port Access Control Systems (PACS) and construction of platform along with security room, enclosed pathway, toilet facility and other allied work at Gate No. 1 & 6 within PWBB compound area. ”	

Sl. No	Description of Item	Quantity	Unit	Rate	Unit	Amount
	Part-A : Emergency repairing, modification of Club room to provide the facility of RFID counter under Port Access Control Systems (PACS) and other allied work at PWBB.					
	Sub-section : (Part-A)					
1	Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed.	100.00	Sq.M	10.00	Sq.M	1000.00
2	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.					
(i)	In ground floor including roof.	4.00	Cu.M.	447.00	Cu.M.	1788.00
3	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75m.					
(i)	In ground floor including roof. upto 150 mm. thick.	1.00	Cu.M.	939.00	Cu.M.	939.00
4	Brick work with 1st class bricks in cement mortar (1:6)					
	In superstructure, ground floor	5.00	Cu.M.	5636.00	Cu.M.	28180.00
5	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	50.00	Sq.M	736.00	Sq.M	36800.00
6	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. a) Pakur Variety.	5.00	Cu.M.	5533.34	Cu.M.	27,666.70

7	Stripping off worn out plaster and raking out joints of walls, ceilings etc. Upto any height in any floor including removing rubbish within a lead of 75m as directed.	80.00	Sq.M.	19.00	Sq.M.	1,520.00
8	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar 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]. 20 mm thick plaster in 1:6 cement mortar.	60.00	Sq.M.	175.00	Sq.M.	10,500.00
9	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar 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] 15mm thick cement plaster in 1:6 cement mortar.					
(a)	Ground Floor	60.00	Sqm	151.00	Sqm	9060.00
(b)	10 mm thick plaster with 1:4 cement mortar. In ground floor.	30.0	Sqm	133.00	Sqm	3990.00
10	"Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE	100.00	sqm	34.00	sqm	3,400.00
11	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame excluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be corrected upto three decimals). Sal : Local.	0.10	Cu.M.	77671.00	Cu.M.	7,767.10
12	Taking out shutter of door and window, dismantling by parts (for repair or replacement of damaged parts) , reassembling and refitting and rehanging same with old fittings but with new screws as necessary. (Where different parts of same shutter are renewed under different item, payment under item 73 will be made once only).	4.00	Sq.M.	126.00	Sq.M.	504.00
13	"Renewing M.S. clamps for door and window frame made of flat bent bar, end bifurcated with necessary screws etc. In cement concrete(1:2:4) including cutting of brick work/concrete work as per direction. (Cost of concrete will be paid separately)					
	40mm X 6mm, 125mm Length.	6.00	Each	38.00	Each	228.00
14	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.					
	75mm. X 47mm. X 1.70mm.	6.00	Each	31.00	Each	186.00
	100mm. X 58mm. X 1.90mm.	6.00	Each	47.00	Each	282.00
15	Iron door ring of approved quality fitted and fixed with nut and washer complete. 75mm dia.					
	50 mm	6.00	Each	17.00	Each	102.00
16	"Anodised aluminium barrel / tower / socket bolt (full					

	covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws:"					
	150mm long x 10mm dia. bolt.	6.00	Each	63.00	Each	378.00
	75mm long x 10mm dia. bolt.	3.00	Each	48.00	Each	144.00
17	Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. 300mm long.	2.00	Each	166.00	Each	332.00
18	Easing door and windows.	5.00	Each	17.00	Each	85.00
19	"Painting block letters or digits in Black Japan or any approved paint as per direction. Size above 5cm. And upto 7.5 cm.	50.00	Each	11.00	Each	550.00
20	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (6mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes. Pakur variety	4.00	Cum	5275.00	Cum	21100.00
21	"(a) 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. (i) Grill weighing above 10 kg/sq. mtr. (Add extra @ 1% for each addl. Floor upto 4th floor). The weight of grill per sq.m. will be determined by taking the physical weight of fabricated grill and dividing the same by covered area of the same.	0.50	Qtl	9888.00	Qtl	4944.00
22	Synthetic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning and smoothening of surface. Two Coats.	230.00	sqm	68.00	Sqm	15640.00
23	"Applying decorative cement based paint of approved quality after preparing the surface including scraping the same thoroughly (plastered or concrete surface) as per manufacturer's specification. In Ground floor: Two coats.	100.00	Sqm	49.00	Sqm	4900.00
24	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc	80.00	Sqm	29.00	Sqm	2320.00
25	Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc	60.00	Sqm	38.00	Sqm	2280.00
26	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary.					
(i)	On timber or plastered surface. With other than hi-gloss of approved quality. Two coats (with any shade except white)	60.00	Sqm	75.00	Sqm	4500.00
(ii)	On steel or other metal surface : With other than hi-gloss of approved quality. Two coats (with any shade except white).	80.00	Sqm	72.00	Sqm	5760.00

27	Z-batten shutters of door and window as per design havings tongued and groove half lap jointed as per direction of the Engineer-in-Charge including fitting and fixing shutter in position, but excluding the cost of hinges and other fittings in ground floor (A) Shutter with 25mm thick planks, 19mm thick battens (i)	5.00	Sqm	3197.00	Sqm	15985.00
28	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints of roughening of concrete surface and application of cement slurry before flooring works using cement @1.75 kg/sq.m all complete including all materials and labour. In ground floor 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement. Using gray cement (ii) 25mm. thick.	40.00	Sqm	273.00	Sqm	10920.00
29	Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th., 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Panelling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive.	6.00	Sq.M.	1943.00	Sq.M.	11658.00
	"An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge.					
30	Supplying, Fitting & Fixing Factory made prelaminate P.V.C. door frame of size 50 mmx47	16.00	Mtr	385.00	Mtr	6,160.00

	mm with a wall thickness of 5 mm, made out of extruded 5 mm Prelaminated PVC sheet miter cut at two corners and joined with two nos of 1.5 mm long brackets of 15 mm x15 mm M.S. square tube. The two vertical door profiles are to be reinforced with 19 mmx 19 mm M.S. Square tube of 19 gauge, weather seal to be provided through out the frame. The door frame shall be fixed with the wall using 65/100 mm M.S. Screws through the frame by using P.V.C fasteners. A minimum of 4 Nos of screws to be provided for each vertical member and minimum 2 Nos for horizontal member etc. complete as per Manufacturer's specification and direction of Engineer-in-Charge.					
31	Taking out old damaged tarfelt from the roof, parapet etc. preparing the roof surfaces by removing all spoils, blisters, moss etc. from the working site and disposal of the same beyond the compound and cleaning the site in all respect as per direction of Engineer-in-Charge.	80.00	Sqm	12.00	Sqm	960.00
32	Supplying and laying standard six course bituminous water proofing treatment as per specification laid down in I.S. 1346 - 1991 to be finished with pea size gravel including necessary preparatory works such as shaping mouth of outlets, cutting chase as and where necessary and refilling with sand and Cement mortar (4:1) or Cement Concrete (1:2:4) with graded stone chips before undertaking the treatment including cutting grooves in parapet and inserting edge of felt and mending good damage complete in all respect as per direction of Engineer - in - Charge including cost of all materials and labours and incidental charges but excluding the cost of Cement Mortar or concrete required for levelling and grading. (In sloped roof Course sand of approved varieties is to be used in place of Pea size gravels as sixth and final course.) i) 1st, 3rd and 5th Course with bonding materials of hot applied industrial blown type bitumen of grade 85/25 or 90/15 conforming to I.S.702 - 1988 @ 12Kg/10Sqm on each course. ii) 2nd and 4th course with Hessian base self finished bitumen type-3 Gr.-I conforming to I.S. 1322-1993 (weighing 23kg/10Sqm gross with bitumen content 12.10kg/10Sqm) tested under the provision of I.S. 13826 - 1993 part VII iii) 6th course with washed and clean pea sized gravel or grit @ 0.006 cum/Sqm. Over Flat Roof	100.00	Sqm	494.00	Sqm	49400.00
33	"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	10.00	Sqm	4330.00	Sqm	43300.00

	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. IN ground floor.(Payment will be made on the area of the gate covered by two guard rails and two extreme channels).					
	Total (Sub-Section Part A) = Rs.3,35,228.80					
	Sub-section (Part B)					
1	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint 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. Payment for painting will be made separately)					
(A)	For Exposed Work					
i	15 mm dia.	30.00	Mtr	101.00	Mtr	3030.00
ii	20 mm dia.	30.00	Mtr	129.00	Mtr	3870.00
2	Supplying, fitting and fixing C.I. round grating. 100 mm.	3.00	Nos	62.00	Each	186.00
3	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 Single Socketed 3 Meter Length					
(ii)	110 mm	2.00	metre	292.00	metre	584.00
4	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 Fittings					
	Door Tee, (i)75 mm					
	(ii) 110 mm	2.00	Nos	195.00	Each	390.00
	Door Bend (T.S.) (i) 75 mm					
	(ii)110 mm	2.00	Nos	147.00	Each	294.00
5	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.	1.00	Nos	1015.00	Each	1015.00
6	"Supplying, fitting and fixing shower of approved brand and make. Polythene overhead shower of approved make 15 mm X 125 mm	1.00	Nos	154.00	Each	154.00
7	Supplying, fitting and fixing Orissa pattern water closet in white glazed vitreous chinaware of approved make in position complete excluding 'P' or 'S' trap	1.00	Nos	1613.00	Each	1613.00

	(excluding cost of concrete for fixing).580 mm X 440 mm					
8	Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass. 25 mm dia. and 600 mm long	1.00	Nos	430.00	Each	430.00
9	Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Something Special of ESSCO or similar brand)	3.00	Nos	539.00	Each	1617.00
10	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.(ii) 470 mm X 280 mm X 340 mm	2.00	Each	945.00	Each	1890.00
11	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer.1000 litre capacity	1.00	Each	5128.00	Each	5128.00
12	Wash basin vitreous china of approved make (without fittings) supplied, fitted and fixed in position on 75mm X 75 mm X 75 mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets.450 mm X 300 mm size	1.00	Each	1155.00	Each	1155.00
13	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I. specifications supported on fibre glass frame of any colour, frame size 550 mm X 400 mm	1.00	Each	613.00	Each	613.00
14	Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover(heavy type)of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming, dressing the bed and refilling the sides of the tanks 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 @ 0.5% by weight of cement with all costs of labour and materials. Note:- (i) Finished level of Septic	1.00	Each	36068.00	Each	36068.00

	Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm. Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470,Part[1]I.Payment will be made separately on the basis of actual height based on relevant I.S.Code. (i) For 10 users) With Pakur variety. (Other than SAIL/TATA/RINL)					
15	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 (1:4) band all round and cement brick work (1:4) upto 0.90 metre 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(Other than SAIL/TATA/RINL)	1.00	Each	16601.00	Each	16601.00
		Sub-section (Part B) = Rs. 74,638.00				
		Total Part-A (Sub-section A&B) Rs.4,09,866.80				
	Part-B : “ Construction of platform along with enclosed pathway to implement RFID system and other allied work at gate No. 1 within PWBB compound area, Kolkata.”					
1	Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed.	50.00	Sq.M	10.00	Sq.M	500.00
2	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.					
(i)	In ground floor including roof.	2.00	Cu.M.	447.00	Cu.M.	894.00
3	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75m.					

(i)	In ground floor including roof. upto 150 mm. thick.	0.50	Cu.M.	939.00	Cu.M.	469.50
4	Taking out carefully G.C.I. or C.I. or asbestos sheets (including ridges etc.) from roof or wall after unscrewing bolts, nuts, screws etc. and stacking the material at site as directed. (Payment to be made on measurement of portion of roof or wall removed.)					
	Bldg sch pg no-11 item no-8	20.00	Sqm	41.00	Sqm	820.00
5	Removal of rubbish, earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge					
	Bldg sch pg no-12 item no-13	10.00	cum	166.00	cum	1660.00
6	Brick work with 1st class bricks in cement mortar (1:6)					
	In superstructure, ground floor	2.00	Cu.M.	5636.00	Cu.M.	11,272.00
7	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	50.00	Sq.M	736.00	Sq.M	36,800.00
8	Ordinary cement concrete (mix 1:2:4) with graded stone chips (20mm. nominal size) of Pakur variety excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes.	5.00	cum	5533.34	Cum	27,666.70
9	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar 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]. 20 mm thick plaster in 1:6 cement mortar.	50.00	Sq.M.	175.00	Sq.M.	8750.00
10	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar 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] 15mm thick cement plaster in 1:6 cement mortar.					
(a)	Ground Floor	50.00	Sqm	151.00	Sqm	7,550.00
11	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 trapezoidal 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	50.00	Sqm	787.00	Sqm	39,350.00

12	Galvanised iron sheet ridging fitted with necessary bolts, screws, washers etc complete.(225mm end lapping) 300 mm lapping each way .With 0.60 mm sheet	15.00	mtr	366.00	mtr	5,490.00
13	Supplying, fitting, fixing, Chain link fencing of approved quality with R.C.C posts wooden posts or iron posts by means of galvanised "C" clips to grid of horizontal strands of galvanised high tensile spring steel wire of 12 S.W.G which have to be tensioned and fixed to the vertical posts by means of galvanised special clips, bolts and nuts etc.(I) 50 mm. x 50 mm. x 8 g	50.00	Sqm	414.00	Sqm	20,700.00
14	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1956 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 1957, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental charges such as electricity charges, labour insurance charges etc.					
	Payment to be made on the basis of calculated weight of structural members only in finished work as per IS specified weight. Payment for gusset, bracket, cleat, rivets, bolts and nuts may be make by adding the actual weight of such items with the weight of finished structural members or 7% of weight for finished structural members weighing not less than 22.5 Kg. / m. or 15 % of weight for finished structural members weighing less than 22.5 Kg. / m. may be increased allow for bracket, cleat, rivet, bolts and nuts etc. and no separate payment being made for these items, as per direction of Engineer- In-Charge. The rates are considered for a height of erection 8m. / 2nd floor level from the ground. Add 1.5% extra over the rate for each additional floor or 4m. beyond initial 8m. or part thereof.					
	II) For Structural Works in Roof Trusses etc. using joists, channels and angles of specified section weighing not less than 22.5 kg/ m.	2.00	MT	73761.00	MT	147522.00
15	Synthetic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning	50.00	sqm	68.00	Sqm	3,400.00

	and smoothening of surface. Two Coats.					
16	Applying decorative cement based paint of approved quality after preparing the surface including scraping the same thoroughly (plastered or concrete surface) as per manufacturer's specification. In Ground floor: Two coats.	50.00	Sqm	49.00	Sqm	2,450.00
17	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc	100.00	Sqm	29.00	Sqm	2,900.00
18	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary.					
(ii)	On steel or other metal surface: With other than hi-gloss of approved quality. Two coats (with any shade except white).	60.00	Sqm	72.00	Sqm	4320.00
19	(a) 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. (i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr.(Add extra @ 1% for each addl.floor upto 4th floor)The weight of grill per sq.m. will be determined by taking the physical weight of fabricated grill and dividing the same by covered area of the same.	0.50	Qtl	9888.00	Qtl	4944.00
				TOTAL Part-B Rs. 3,27,458.20		
	Part-C :- Emergency repairing, modification and other allied work of Club room to provide the facility of REID counter under Port Access Control Systems (PACS) at PWBB.					
	[for Gate no 6 mainly]					
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, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm	50	Cum	11927.00	%Cum	5963.5
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	35	Cum	7754.00	%Cum	2713.9
3	(A) Filling in foundation or plinth by sand in layers not exceeding 150 mm as directed and consolidating the	20	Cum	104841.00	%Cum	20968.2

	same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) (B) Do - by fine sand					
4	Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches.	30	Sqm	24.00	Sqm	720
5	Labour for Chipping of concrete surface before taking up Plastering work.	30	Sqm	21.00	Sqm	630
6	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	50	Sqm	358.00	Sqm	17900
7	Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed.	50.00	Sq.M	10.00	Sq.M	500.00
8	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.					
(i)	In ground floor including roof.	2.00	Cu.M.	447.00	Cu.M.	894.00
9	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75m.					
(i)	In ground floor including roof. upto 150 mm. thick.	1.00	Cu.M.	939.00	Cu.M.	939.00
10	Brick work with 1st class bricks in cement mortar (1:6)					
	a) In foundation and plinth	10.00	Cum	5413.00	Cum	54,130.00
	b) In superstructure, ground floor	15.00	Cu.M.	5636.00	Cu.M.	84,540.00
11	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	50.00	Sq.M	736.00	Sq.M	36,800.00
12	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. a) Pakur Variety.	8.00	Cu.M.	5533.34	Cu.M.	44,266.72
13	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar 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]. (a)20 mm thick plaster in 1:6 cement mortar.	200.00	Sq.M.	175.00	Sq.M.	35,000.00
	(b) 15mm thick cement plaster in 1:6 cement mortar.	50.00	Sqm	151	Sqm	7,550.00
	(c)10 mm thick plaster with 1:4 cement mortar. In ground floor.	30.00	Sqm	133.0	Sqm	3,990.00
14	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE: Cement 0.152 cu.m per100 sq.m.	70.00	Sq.M.	34.00	Sq.M.	2,380.00
15	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame excluding cost of	0.50	Cu.M.	77671.00	Cu.M.	38,835.50

	concrete, Iron Butt Hinges and M.S clamps. (The quantum should be corrected upto three decimals). Sal : Local.					
16	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.					
	75mm. X 47mm. X 1.70mm.	15.00	Each	31.00	Each	465.00
	100mm. X 58mm. X 1.90mm.	12.00	Each	47.00	Each	564.00
17	Iron door ring of approved quality fitted and fixed with nut and washer complete. 75mm dia.					
	50 mm	10.00	Each	17.00	Each	170.00
18	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws:					
	150mm long x 10mm dia. bolt.	6.00	Each	63.00	Each	378.00
	75mm long x 10mm dia. bolt.	3.00	Each	48.00	Each	144.00
19	Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. 300mm long.	5.00	Each	166.00	Each	830.00
20	Painting block letters or digits in Black Japan or any approved paint as per direction. Size above 5 cm. and upto 7.5 cm.	50.00	Each	11.00	Each	550.00
21	(a) 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. (i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr.(Add extra @ 1% for each addl.floor upto 4th floor)The weight of grill per sq.m. will be determined by taking the physical weight of fabricated grill and dividing the same by covered area of the same.	5.00	Qtl	9888.00	Qtl	49440.00
22	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. (In Ground Floor) (a) One Coat i) Water based interior grade Acrylic Primer	100.00	Sqm	3080.00	%Sqm	3,080.00
23	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: (a) One Coat	200.00	Sqm	3140.00	%Sqm	6,280.00
24	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. In Ground floor (Two Coat) a) Normal Acrylic Emulsion	200.00	Sqm	67.00	Sqm	13,400.00
25	Priming one coat on steel or other metal surface with	50.00	Sqm	29.00	Sqm	1,450.00

	synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc					
26	Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc	30.00	Sqm	38.00	Sqm	1,140.00
27	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary.					
(i)	On timber or plastered surface. With other than hi-gloss of approved quality. Two coats (with any shade except white)	30.00	Sqm	75.00	Sqm	2,250.00
(ii)	On steel or other metal surface : With other than hi-gloss of approved quality. Two coats (with any shade except white).	30.00	Sqm	72.00	Sqm	2,160.00
28	Z-batten shutters of door and window as per design having tongued and groove half lap jointed as per direction of the Engineer-in-Charge including fitting and fixing shutter in position, but excluding the cost of hinges and other fittings in ground floor.(A) Shutter with 25mm thick planks, 19mm thick battens.(i) Sal : Local.	10.00	Sqm	3197.00	Sqm	31,970.00
29	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75kg/sq.m all complete including all materials and labour. In ground floor.3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement(ii) 25 mm. thick	10.00	Sqm	269.00	Sqm	2,690.00

30	Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th., 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Panelling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th. x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive.	6.00	Sq.M.	1943.00	Sq.M.	11,658.00
	An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In ground floor.					
31	Supplying, Fitting & Fixing Factory made prelaminate P.V.C. door frame of size 50 mmx47 mm with a wall thickness of 5 mm, made out of extruded 5 mm Prelaminated PVC sheet miter cut at two corners and joined with two nos of 1.5 mm long brackets of 15 mm x15 mm M.S. square tube. The two vertical door profiles are to be reinforced with 19 mmx 19 mm M.S. Square tube of 19 gauge, weather seal to be provided through out the frame. The door frame shall be fixed with the wall using 65/100 mm M.S. Screws through the frame by using P.V.C fasteners. A minimum of 4 Nos of screws to be provided for each vertical member and minimum 2 Nos for horizontal member etc. complete as per Manufacturer's specification and direction of Engineer-in-Charge.	16.00	Mtr.	385.00	Mtr.	6,160.00
32	Supplying and laying standard six course bituminous water proofing treatment as per specification laid down in I.S. 1346 - 1991 to be finished with pea size gravel including necessary preparatory works such as shaping mouth of outlets, cutting chase as and where necessary and refilling with sand and Cement mortar (4:1) or Cement Concrete (1:2:4) with graded stone chips before undertaking the treatment including cutting grooves in parapet and inserting edge of felt and mending good damage complete in all respect as per direction of Engineer - in - Charge including cost of all materials and	20.00	Sqm	407.00	Sqm	8,140.00

	labours and incidental charges but excluding the cost of Cement Mortar or concrete required for levelling and grading. (In sloped roof Course sand of approved varieties is to be used in place of Pea size gravels as sixth and final course.) i) 1st, 3rd and 5th Course with bonding materials of hot applied industrial blown type bitumen of grade 85/25 or 90/15 conforming to I.S.702 - 1988 @ 12Kg/10Sq.m on each course. ii) 2nd and 4th course with Hessian base self finished bitumen type-3 Gr.-I conforming to I.S. 1322-1993 (weighing 23kg/10Sq.m gross with bitumen content 12.10kg/10Sq.m) tested under the provision of I.S. 13826 - 1993 part VII iii) 6th course with washed and clean pea sized gravel or grit @ 0.006 cum/Sq.m. Over Flat Roof					
33	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. IN ground floor.(Payment will be made on the area of the gate covered by two guard rails and two extreme channels)	10.00	Sqm	4330.00	Sqm	43,300.00
34	Removal of rubbish, earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge	10.00	cum	166.00	cum	1,660.00
35	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 trapezoidal 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	50.00	Sqm	787.00	Sqm	39,350.00
36	Galvanised iron sheet ridging fitted with necessary bolts, screws, washers etc complete.(225mm end lapping) 300 mm lapping each way .With 0.60 mm sheet	15.00	mtr	366.00	mtr	5,490.00
37	Supplying, fitting, fixing, Chain link fencing of approved quality with R.C.C posts wooden posts or iron posts by means of galvanised "C" clips to grid of horizontal strands of galvanised high tensile spring steel wire of 12 S.W.G which have to be tensioned and fixed to the vertical posts by means of galvanised special clips, bolts and nuts etc.(I) 50 mm. x 50 mm. x 8 g	20.00	Sqm	414.00	Sqm	8,280.00

38	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in- charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1956 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 1957, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental charges such as electricity charges, labour insurance charges etc.					
	Payment to be made on the basis of calculated weight of structural members only in finished work as per IS specified weight. Payment for gusset, bracket, cleat, rivets, bolts and nuts may be made by adding the actual weight of such items with the weight of finished structural members or 7% of weight for finished structural members weighing not less than 22.5 Kg. / m. or 15 % of weight for finished structural members weighing less than 22.5 Kg. / m. may be increased allow for bracket, cleat, rivet, bolts and nuts etc. and no separate payment being made for these items, as per direction of Engineer- In-Charge. The rates are considered for a height of erection 8m. / 2nd floor level from the ground. Add 1.5% extra over the rate for each additional floor or 4m. beyond initial 8m. or part thereof.					
	II) For Structural Works in Roof Trusses etc. using joists, channels and angles of specified section weighing not less than 22.5 kg/ m.	2.00	MT	73761.00	MT	147522
39	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & 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 & grout materials etc. (A) Floor With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile above 0.09 Sq.m (i) Coloured decorative	12	Sqm	920	Sqm	11040
	B) Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile above 0.09 Sq.m (i) Coloured decorative	15	Sqm	1109	Sqm	16635
40	Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in	50	Sqm	62	Sqm	3100

	intermediate coats including putty (to be done under specific instruction of Superintending Engineer) : (Two coats) i) Standard Quality					
41	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety	3	Cum	6124.34	Cum	18373.02
42	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc 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 intersection, complete as per drawing and direction.					
) For works in foundation and upto roof of ground floor/upto 4 m (i) Tor steel/Mild Steel					
	Other than SAIL/ TATA/RINL	0.1	MT	58662	MT	5866.2
43	Hire and labour charges for 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 and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)					
	a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	50	Sqm	335	Sqm	16750
44	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint 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. Payment for painting will be made separately)					
(A)	For Exposed Work					
i	15 mm dia.	30.00	Mtr	101.00	Mtr	3030.00
ii	20 mm dia.	30.00	Mtr	129.00	Mtr	3870.00
45	Supplying, fitting and fixing C.I. round grating. 100 mm.	3.00	Nos	62.00	Each	186.00
46	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 Single Socketed 3 Meter Length					
(ii)	110 mm	2.00	metre	292.00	metre	584.00
47	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 Fittings					
	(i)Door Tee,					
	110 mm	2.00	Nos	195.00	Each	390.00

	(ii)Door Bend (T.S.)					
	110 mm	2.00	Nos	147.00	Each	294.00
48	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.	1.00	Nos	1015.00	Each	1015.00
49	Supplying, fitting and fixing shower of approved brand and make. Polythene overhead shower of approved make 15 mm X 125 mm	1.00	Nos	154.00	Each	154.00
50	Supplying, fitting and fixing Orissa pattern water closet in white glazed vitreous chinaware of approved make in position complete excluding 'P' or 'S' trap (excluding cost of concrete for fixing).580 mm X 440 mm	1.00	Nos	1613.00	Each	1613.00
51	Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass. 25 mm dia. and 600 mm long	1.00	Nos	430.00	Each	430.00
52	Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand)	3.00	Nos	539.00	Each	1617.00
53	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.(ii) 470 mm X 280 mm X 340 mm	2.00	Nos	945.00	Each	1890.00
54	Supplying fitting and fixing P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilaye.1000 litre capacity	1.00	No	5128	Each	5128.00
55	Wash basin vitreous china of approved make (without fittings) supplied, fitted and fixed in position on 75mm X 75 mm X 75 mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets.450 mm X 300 mm size	2.00	Nos	1155.00	Each	2310.00
56	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I. specifications supported on fibre glass frame of any colour, frame size 550 mm X 400 mm	1.00	No	613.00	Each	613.00
57	Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover(heavy type)of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming, dressing the bed and refilling the sides of the tanks 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	1.00	No	36187.00	Each	36187.00

	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 @ 0.5% by weight of cement with all costs of labour and materials. Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm. Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470, Part I. Payment will be made separately on the basis of actual height based on relevant I.S.Code. (i) For 10 users) With Pakur variety. (Other than SAIL/TATA/RINL)					
58	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 (1:4) band all round and cement brick work (1:4) upto 0.90 metre 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 (Other than SAIL/TATA/RINL)	1.00	No	16621.00	Each	16621.00
59	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia.					
	750 mm long	2.00	Nos	117.00	Each	234.00
60	Supplying, fitting and fixing soap holder. (a) PTMT (Prayag or equivalent)	2.00	Nos	135.00	Each	270.00
61	Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). (i) 20 mm dia	1.00	No	604.00	Each	604.00
	(ii) 15 mm dia	1.00	No	438.00	Each	438.00
				TOTAL PART - C Rs. 8,96,484.04		

PART (A+B+C) = Rs. 16,33,809.04

