

SCHEDULE

NAME OF THE WORK:-EXTENSION OF CERAMIC ENGINEERING DEPARTMENT BUILDING AT NIT ROURKELA.

SL NO	DESCRIPTION OF ITEMS	UNIT	QNTY	RATE	AMOUNT
A	EARTH WORK				
1	Earthwork in excavation by mechanical means (Hydraulic excavator)/manual means overareas (Exceeding 30Cm in depth 1.5m in width as well as 10 Sq.M on Plan) including disposal of excavated earth lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed (All kinds of Soil)	Cum	550.00	114.68	63074.00
2	Earthwork in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drains (Exceeding 30Cm in depth 1.5m in width as well as 10 Sq.M on Plan) including dressing of sides and ramming of bottoms including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50Mtr. (Ordinary Rock)	Cum	1310.00	195.66	256314.60
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20Cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50M and lift upto 1.5M	Cum	1400.00	50.77	71078.00
4	Supplying and filling in plinth with river sand under floors including watering ramming consolidating and dressing complete.	Cum	300.00	273.14	81942.00
5	Surface dressing of the ground including removing vegetation and in equalities not exceeding 15 Cm deep and disposal of rubbish , Lead upto 50M and lift upto 1.5M	Sq.M	950.00	5.64	5358.00
6	Providing,diluting & injecting chemical emulsion for preconstructional antitermite treatments,& creating a continous chemical barrier allaround the columns ,pits,walls,trenches,basement excavation top surfaces of plinth filling,junction of wall & floor along the external perimeter of the building expansion joints over the top surface of consolidated earth on which apron is to be laid sorrounding of pipes conduits etc complete as per specification(Plinth area of the building ground floor only shall be measured for payment)	Sqm	900.00	100.00	90000.00
				TOTAL	567766.60
B	CONCRETE WORK				
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:2:4 (1 Cement : 2 sand:4 Coarse Aggregate 40mm Down)	Cum	200.00	3970.04	794008.00
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:3:6 (1 Cement : 3 sand:6 Coarse Aggregate 40mm Down) upto plinth level.	Cum	250.00	3394.87	848717.50

3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:4:8 (1 Cement : 4 sand:8 Coarse Aggregate 40mm Down) above plinth level.	Cum	150.00	3077.31	461596.50
				TOTAL	2104322.00
C	REINFORCED CEMENT CONCRETE				
1	Providing and laying in position Reinforced cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:1½:3 (1 Cement : 1½ sand:3 Coarse Aggregate 20mm Down) upto plinth level.	Cum	250.00	4622.35	1155587.50
2	Providing and laying in position Reinforced cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:2:4 (1 Cement : 2 sand:4 Coarse Aggregate 20mm Down)	Cum	10.00	4181.09	41810.90
2	Providing and laying Reinforced cement concrete in retaining walls return walls (any thickness) including attached pilasters Columns Piers Abutment Pillars Post Buttress string or lacing courses Parapets Coping, slab beam, staircase, bed block anchor blocks plain window sills fillets etc upto floor Five Level excluding the cost of centering and shuttering and finishing				
	CC 1:1½:3 (1 Cement:1½ Coarse Sand:3 Coarse Aggregate 20mm Down)	Cum	810.00	5019.81	4066046.10
				TOTAL	5263444.50
D	CENTERING & SHUTTERING				
1	Centering and shuttering including strutting propping etc and removal of forms for:				
(a)	Foundations footing bases of column etc for mass concrete	Sq.M	350.00	110.23	38580.50
(b)	Columns Pillars piers Abutment Posts and struttts	Sq.M	980.00	213.01	208749.80
(c)	Stair (Excluding landing except spiral Staircases	Sq.M	80.00	268.27	21461.60
(d)	Weather shades, Chajja, Corbels etc including edges	Sq.M	255.00	333.64	85078.20
(e)	suspended floors, roofs, landing balconies and access platform with water proof ply of 12mm thick	Sq.M	2800.00	325.89	912492.00
(f)	Lintels beams plinth beams girders bressumers and cantilevers.with water proof ply of 12mm thick	Sq.M	1610.00	329.48	530462.80
2	Extra for additional height in centering and shuttering where ever required with adequate bracing ,propping etc. including cost of de shuttering and decentering at all levels over height of 3.5m for every additional height of 1mtr or part thereof (Plan area to be measured)				
	Suspended floors, roofs, landing balconies and access platform with water proof ply of 12mm thick	Sq.M	400.00	89.22	35688.00
3	Providing and placing reinforcement for R.C.C. work including straightining cutting bending placing in position and binding all complete in all places.				
	Thermo Mechanically Treated Bars	Kg	140000.00	64.01	8961400.00
				TOTAL	10793912.90
E	BRICK WORK				
1	Brick work with F.P.S bricks of class designation 75 in foundation and plinth in cement mortar 1:6 (1cement: 6 Sand)	Cum	100.00	2963.50	296350.00
2	Brick work with F.P.S bricks of class designation 75 in Super structure above plinth levell upto V floor level in all shapes and size in Cement mortar 1:6 (1cement: 6 sand)	Cum	100.00	3318.10	331810.00

3	Half brick masonry with FPS bricks of class designation 75 in foundation and plinth Cement mortar 1:4 (1 cement: 4 sand) above plinth level.	Sq.M	70.00	410.09	28706.30
4	Brick on edging 7Cm wide 11.4 Cm deep to plinth protection with bricks of class designation 75 including grouting with cement mortar 1:4 (1 Cement: 4 Sand)	Sq.M	100.00	353.90	35390.00
5	Brick work in cement mortar 1:6 (1cement 6 coarse sand)in fondation & plinth using fly ash cement bricks of class designation 75 including curing etc complete	Cum	400.00	2725.58	1090232.00
6	Brick work in cement mortar 1:6 (1cement 6 coarse sand)in super structure using fly ash cement bricks of class designation 75 including curing etc complete.above plinth level up to fifth floor level	Cum	1900.00	3060.68	5815292.00
7	Half brick work in cement mortar 1:4 (1 cement 4 fine sand) in super structure using cement base brick of class designation 75 including cutting etc complete above plinth level upto fifth floor level including providing and laying 2nos 6mm MS bars at every third course of half brick masonry in all respect as per direction of engineer in charge	Sq.M	200.00	449.67	89934.00
				TOTAL	7687714.30
F	DOORS & WINDOWS				
1	Providing and fixing of ISI marked flush door shutters conforming to IS 2202 (Part-I) Non-decorative type , core block board construction with frame of 1st class hard wood and well matched teak 3ply veenering with vertical grains or cross bands and face veneers on both faces of shutters				
	35mm thick includig ISI marked stainless steel butt hinges with necessary screws.	Sq.M	130.00	3913.01	508691.30
2	Providing and fixing of M.S grills of required pattern in frames of windows etc. with M.S flats, Square or round bar etc all complete				
	Fixed to openings / wooden frames with rawl plugs screw etc	Kg	1650.00	80.86	133419.00
3	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts nuts and wooden plugs and embedding in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 sand: 6 coarse aggregate)	Each	50.00	78.15	3907.50
4	Providing and fixing factory made UPVC door frame made of UPVC extruded , section having an overall dimension , as below (tolerence +/- 1mm) with wall thickness 2.0 +/- 0.2mm. Corners of the door frame to be jointed with galvanized brackets and stainless steel screws, jointed and mitred and plastic wilded. the hinge side vericalof the frames reinforced by galvanised m.S tube of size 19x19mm and 1mm +/- 0.1 mm wall thick ness and 3 nos stainless steel hinges fixed to the frame complete aas per manufacture specification and direction of Engineer in charge.				
	Extruded section Profile size 48x40mm	RM	16.00	420.16	6722.56

5	Providing and fixing to existing door frames 24mm thick factory made PVC door shutter made of styles and rails of a UPVC hollow section of size 59x24mm and thickness 2mm +/-0.2mm with inbuilt edging on both sides. The styles and rails mitred and jointed at the corners by means of M.S galvanised /plastic brackets of size 75x220 mm having wall thick ness 1.0mm and stainless steel screws. the styles of the shutter reinforced by inserting galvanised M.S tube of size 20x20mm and 1mm +/- 0.1mm wall thickness. the lock rail made up of H section, a UPVC hollow section of size 100x24mm and 2mm+/- 0.2mm wall thickness fixed to the shutter styles by means of plastic / galvanised M.S U cleats. the shutter frame filled with a UPVC multichambered single panel of size not less than 620mm , having over all thickness of 20mm and 1mm +/- 0.1mm wall thickness. the panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised M.S rod and fastened with nuts and washers complete as per manufactur's specification and direction of Engineer in Charge. (For WC and bathroom door shutter)	Sq.M	20.00	2403.21	48064.20
6	Providing and fixing of IS 12817 marked stainless steel butt hinges with stainless steel screw etc complete				
	100x58x1.90mm	Each	666.00	28.54	19007.64
7	Providing and fixing bright finished brass 100mm mortice latch and lock with 6 levers and pair of lever handles with necessary screws etc complete: (best make of approved quality)	Each	60.00	440.37	26422.20
8	Providing and fixing aluminum hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS 1868) transparent or dyed to required colour and shade with necessary screws etc complete:				
	Single Rubber stopper	Each	51.00	45.32	2311.32
9	Providing and fixing of stainless steel tower bolts ISI marked of approved make jindal/ equivalent with necessary screw etc complete:				
	200x10mm	Each	282.00	122.62	34578.84
10	Providing and fixing Stainless steel sliding door bolts ISI marked (of approved make jindal/equivalent) with nuts and screw etc . Complete: as per direction of Enginner in Charge.				
	250x16mm	Each	51.00	248.50	12673.50
11	Providing and fixing Stainless steel handles ISI marked (of approved make jindal/equivalent) with nuts and screw etc . Complete: as per direction of Enginner in Charge.				
	150mm	Each	270.00	74.27	20052.90
12	Suppling & fixing of non ozon make stainless steel railings with the specifications S-304 grade railing made up 38mm baluster and 38mm top rail of 1.6mm thickness with 3 mid rail of 12 OD tube connected with CNC made modular connector with dash faster c/c distance between each baluster shall be 1000mm (market rate item)	RM	50.00	4595.00	229750.00
13	Providing and fixing M.S. railing of required pattern with flats, square or round bars etc. along with floor shoe all complete.	Kg	1670.00	69.65	116315.50

				TOTAL	1161916.46
G	STEEL WORK				
1	Providing and fixing 1mm thick M.S sheet door with frame of 40x40x6mm angle iron and 3mm M.S gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.				
	Using M.S angle 40x40x6 mm for diagonal braces	Sqm	10.00	2050.38	20503.80
2	Providing and fixing pressed steel door frames conforming to IS 4351 manufactured from commercial mild steel sheet of 1.25mm thickness including hinges, jambs, lock jamb, bead and if required angle threshold of mild steel angle section of 50x25mm or base tie of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strike -plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer in charge:				
	Profile B	RM	270.00	345.58	93306.60
3	Steel work in built-up in tubular trusses including cutting, hoisting, fixing in position & applying a priming coat of approved steel primer welded & bolted including special shaped & washer etc. complete	Kg	1300.00	97.44	126672.00
4	Providing and fixing ISI marked steel top hung ventilators of standard rolled steel section joints Doors mitred and welded with iron lugs embedded in cement concrete 1:3:6 blocks or with wooden plugs and screws or with rawl plugs and screws or with fixing clips or with nuts and bolts including providing and fixing 4mm thick glass panes with glazing clips and special metals putty complete including a priming coat of approved steel primer, enamel paint two coats, hinges and pivots including cost of metal beadings and other fittings except necessary hinges and pivots as required.	Sq.M	12.00	2388.00	28656.00
				TOTAL	269138.40
H	FLOORING				
1	Providing and fixing of 18mm thick gang saw cut mirror polished (pre moulded and pre polished) machine cut for kitchen platform vanity counters window sill facials and similar location of required size of approved shade colour and texture laid over 20mm thick base cement mortar 1:4 with joints treated with white cement mixed with matching pigment epoxy touch ups including rubbing curing moulding and polishing to edges to give high gloss finish etc complete at all levels				
	Granite of any colour mirror polished and machine cut edge area of slab upto 0.5Sq.M	Sq.M	50.00	2288.32	114416.00

2	Marble stone flooring with 18mm thick marble stone (sample of marble shall be approved by the Engineer in Charge. Over 20mm (average) thick base of cement mortar 1:4 (1 cement : 4 sand) laid and joined with grey cement slurry including rubbing and polishing complete with :				
	Raj nagar White marble	Sq.M	90.00	1166.38	104974.20
3	Kota stone slab flooring over 20mm average thick base laid and joined with greycement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1 cement : 4 sand)				
	25mm thick	Sq.M	1000.00	970.73	970730.00
4	Kota stone slab 25mm thick in riser of steps skirting dado and pillars laid on 12mm (average) thick cement mortar 1:3 (1 cement : 3 sand) and joined with greycement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete				
	25mm thick	Sq.M	150.00	917.30	137595.00
5	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS 15622 (thickness to be specified by the manufacture of approved make in all colours shade except burgundy, bottle green , black of any size as approved by engineer in Charge in skirting , risers of steps and dados over 12mm thick bed of cement mortar 1:3 (1 cement : 3 sand) and jointing with grey cement slurry @3.3 kg per Sq.M including pointing in white cement mixed with pigment of matching shade complete	Sq.M	1300.00	735.92	956696.00
6	Providing and laying ceramic glazed floor tiles 300x300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS 15622 of approved make in colours such as white ivory grey fume red, brown laid on 20mm thick cement mortar 1:4 (1 cement : 4 sand) including pointing the joints with white cement and matching pigment etc complete.	Sq.M	66.00	802.67	52976.22
7	Providing and fixing 1st quality ceramic glazed wall tiles (Boarder tiles) conforming to IS 15622 (thickness to be specified by the manufacture of approved make in all colours shade with printed series of any size as approved by engineer in Charge in skirting , risers of steps and dados over 12mm thick bed of cement mortar 1:3 (1 cement : 3 sand) and jointing with grey cement slurry @3.3 kg per Sq.M including pointing in white cement mixed with pigment of matching shade complete	RM	700.00	60.61	42427.00
8	Providing and laying floor tiles of approved make with VC shield jointless floor tiles (Veilcraft shield technology) of sizes (496 mmx 496 mm) ,10 mm thickness,mat finish with water absorption less than 3% and strength not less than 40 N/Sqmm,of approved colour and pattern laid on average 20mm thick cement mortar 1:4 (1 cement:4 coarse sand) complete in all respect cost includes all material,labour,tax,lead,cutting,wastage,T & P etc. as directed by the Engineer-In-Charge.	Sq.M	2000.00	1094.50	2189000.00
9	Providing & laying paver (Spectra or equivalent make,size 200x100x60mm)flooring over 20mm (Average) thick base of cement mortar 1:4(1 cement :4 sand) with joints finished flush	Sqm	400.00	1190.00	476000.00

10	Providing & fixing 5mm thick glass mosaque on wall of required shape colour & pattern over 10mm thick Cement mortar 1:4 with coloured & smooth edge & surface fixed on cement mortar slurry mixed with pigment to match shade of the tile including cleaning as directed.	Sqm	100.00	1291.00	129100.00
11	Providing & Fixing wall Cladding tiles (Pavit-AESTRO or equivalent)make of approved shade of size 200x400x9mm thick to the external wall with base of 12mm thick Cement plaster 1:3(1 Cement & 3 Coarse sand) with adhesive as per manufacture specification & as directed by Engineer in charge upto 10m height.	Sqm	720.00	1306.44	940636.80
				TOTAL	6114551.22
I	ROOFING				
1	Providing & fixing Pre galvanised (120 GSM) of Blue Scope/Eqv Confirm to the physical specifications of ASTM A446 Grade D (or Equivalent) and having a minimum yield strength of 50000 PSI (345 Mpa).AsS1397,G550,AZ150 (550 MPA minimum yield stress,150 gm/m ² mi. coating mass) or COLORBOND Prepainted steel confirming to AS 2728 class 3-4.Roof Panels shall be 26 Gauge thick (Approx. 0.45 mm BMT) profiled Zinalume sheeting.Each panel shall provide 1015mm coverage width cost includes all material,labour,tax,lead,tools plant,hooks,washer etc. complete in all respects as per the direction of Enginerr-in-charge.	Sqm	400.00	650.00	260000.00
2	Providing & fixing Pre galvanised Ridge of approved colour (Blue scope/Eqv) 0.45 mm thickness of required profile including fixing in position,all accessories etc. to complete the work in all respects.	Mtr	50.00	250.00	12500.00
3	Providing and applying cement slurry coat (minimum two layer) admixed with polymer modified water proofing cum bonding agent as per manufacturer specification and direction of Engineer inCharge.	Sq.M	880.00	105.41	92760.80
4	providing & laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs,balconies,terrace.etc consisting of following opeartions (a) applying a slurry coat of neat cement using 2.75kg per sqm of cement admixed with water proofing compound confirming to IS 2645 & approved by Engineer in Charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment.(b) Laying brick bats with mortar using broken brick bats 25mm to 115mm size with 50% of cement mortar 1:5(1 cement:5 Coarse sand) admixed with water proofing compound confirming to IS 2645 & approved by Engineer-in -charge over 20mm thick layer of cement mortar of mix 1:5(1 cement:5 coarse sand) admixed with water proofing compound confirming to IS 2645 & approved By Engineer-in-Charge to required slope and treating similarly the adjoining walls upto 300mm height including rounding of junctions of walls & slabs.(c) After 2 days of proper curing applying a 2nd coat of cement slurry using 2.75kg per sqm of cement admixed with water proofing compound confirming to IS 2645 & approved by Engineer-in-charge.(d) Finishing the surfce with 20mm thick jointless cement mortar of mix 1:4 (1 cement:4 coarse sand) admixed with water proofing compound confirming to Is 2645 & approved by Engineer-In-Charge including laying glass fibre cloth of approved quality in top layer of plaster & finally finishing the surface with trowel with neat cement slurry making pattern of 300mmx300mm square 3mm deep.(e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing & for final test.All above operations to be done in order and as directed and specified by the Engineer-in-charge.With average thickness 120mm & minimum thickness at Khura at 65mm	Sqm	1000.00	826.05	826050.00

				TOTAL	1191310.80
J	FINISHING WORK				
1	15mm cement plaster of mix 1:6 (1 cement: 6 Sand)over rough side of half brickwork	Sq.M	4000.00	84.69	338760.00
2	20mm cement plaster of mix 1:6 (1 cement: 6 Sand)	Sq.M	1430.00	102.34	146346.20
3	6mm cement plaster of mix 1:4 (1 cement: 4 Sand)	Sq.M	2540.00	62.59	158978.60
4	Neat cement Punning	Sq.M	100.00	25.04	2504.00
5	Providing and finishing wall surface with acrylic wall care putty (water based) of approved make (Birla or Equivalent) and finished smooth and even surface to receive painting including cost of scaffolding staging charges with all cost of materials taxes labour T&P etc complete	Sq.M	6180.00	105.79	653782.20
6	White washing with KATNI lime to give an even shade				
	New work (Three or more coat	Sq.M	2000.00	10.01	20020.00
7	Distempering with 1st quality acrylic distemper (readymade) of approved manufacture and of required shade and colour complete, as per manufacturer's specification.				
	New Work(Two or more coats)	Sq.M	5080.00	32.73	166268.40
8	Applying one coat of cement primer of approved brand and manufacturer on wall surface				
	Cement primer	Sq.M	6180.00	26.91	166303.80
9	Finishing wall with acrylic smooth exterior paint of required shade:				
	New work (two or more coat applied @1.67kg/10 Sq.M) over and including base coats of water proofing cement paint applied @ 2.2 Kg/10 Sq.M	Sq.M	2000.00	64.09	128180.00
10	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:				
	Two or more coats on new work	Sq.M	550.00	48.96	26928.00
11	Providing & Laying dura coat top coated with ultra shield,ultratech texture wall finished over existing cement plaster.	Sq.M	1000.00	386.00	386000.00
				TOTAL	2194071.20
K	DISMANTLING				
1	Demolishing cement concrete manually/ by mechanical means including disposal of materials with in 50mtr lead as per direction of Engineer inCharge.				
	Cement concrete 1:3:6 or richer Mix	Cum	10.00	405.36	4053.60
2	Dismantling R.C.C. work, including stacking of steel bars and disposal of unservicable amterials within 50mtr lead as per direction of Engineer incharge.	Cum	10.00	591.38	5913.80
3	Demolishing brickwork manually/ by mechanical means including stacking of servicable materials and disposal of unservicable materials with in 50mtr lead as per direction of Engineer in Charge	Cum	10.00	342.07	3420.70
4	Dismantling doors windows and clearstorey windows (steel or wood shutter)including chowkaths architrave holdfasts etc. complete and stacking within 50mtr lead"				
	Of area beyond 3 Sq.M	Each	10.00	95.45	954.50
5	Dismantling old plaster or skirting racking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50mtr lead	Sqm	100.00	8.99	899.00
				TOTAL	15241.60
L	SANITARY INSTALLATION				

1	Providing and fixing white vitreous china pedestral type water closet s(European type W.C.Pan)with seat lid, 10ltr low level white P.V.C flushing cistern with manually controlled device (handle lever) conforming to IS 7231 with all fittings and fixtures complete including cutting and making good the walls and floors where ever required :				
	W.C.Pan with ISI marked White solid plastic seat and lid	Each	2.00	3701.49	7402.98
2	Providing and fixing of wash basin with C.I brackets, 15mm Cp brass pillar taps 32mm Cpbrass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
	White vitreous china wash basin size 630x450mm with single 15mm CP Brass	Each	6.00	2796.30	16777.80
3	Providing and fixing white vitreous china water closet squatting pan (Orissa pattern) long pattern Orissa pattern W.C pan of size 580x440mm	Each	6.00	1394.28	8365.68
4	Providing and fixing PVC low level flushing cistern with manually controlled device (handle lever) conforming to IS 7231 with all fittings and fixtures complete. 10ltr Capacity white	Each	8.00	1079.99	8639.92
5	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265 mm sizes respectively.	Each	15.00	778.61	11679.15
6	Providing and fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws and washers complete	Each	6.00	1057.20	6343.20
7	Providing and fixing of CP towel rail complete with bracket fixed to wooden cleats with CVp brass screw with concealed arrangement of approved make and brand and quality : 600mm x20mm dia CP Brass	Each	3.00	516.81	1550.43
8	Providing and fixing CP brass Soap case of Approved make and quality	Each	6.00	298.23	1789.38
9	Providing and fixing Soil, waste and vent pipes (SAND CAST IRON (S&S) PIPE as per IS 1729				
	100mm dia	RM	55.00	482.70	26548.50
10	Providing and fixing PTMT Fittings as per approved quality and colour as per the direction of Engineer in Charge.				
a	15mm dia Bib cock	Each	12.00	206.82	2481.84
b	15mm dia Stop cock	Each	8.00	160.36	1282.88
c	15mm dia pillar cock	Each	8.00	206.82	1654.56
d	15mm dia push cock	Each	8.00	113.90	911.20
				TOTAL	95427.52
M	WATER SUPPLY				
1	Supplying and fixing and fittings of PVC pipes of approved brand (Finolex/Supreme) complete with fittings including cutting and making good the walls etc. as per direction of Engineer in Charge.				
	110mm dia Pipes	RM	80.00	302.61	24208.80

2	Providing and fixing of chlorinated polyvinyl chloride (CPVC) pipes, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes fittings with one CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge (Internal work exposed on Wall)				
(a)	50mm nominal bore	RM	80.00	716.10	57288.00
3	Providing and fixing of chlorinated polyvinyl chloride (CPVC) pipes, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes fittings with one CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge (Concealed work including cutting chases and making good the walls etc.)				
(a)	15mm nominal bore	RM	100.00	239.19	23919.00
(b)	20mm nominal bore	RM	250.00	276.80	69200.00
(c)	25mm nominal bore	RM	30.00	356.68	10700.40
3	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse aggregate: 10 graded stone aggregate) around SW pipes including bed concrete as per standard design:				
	150mm dia	RM	55.00	511.01	28105.55
4	Providing and placing on terrace (at all floor levels) polythelene water storage tank ISI 12701 marked with cover and suitable locking arrangement and making necessary holes for inlets outlet and overflow pipe but without fittings and the base support for the tank	Ltr	(3X1000)=3000	7.01	21030.00
				TOTAL	234451.75
N	MISCELLANEOUS WORK				
1	Providing and fixing aluminium work Fully glazed with 8mm thick glass pane for doors and windows ventilators and partitions with extruded builtup standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS 733 and IS 1285 fixed with rawl plug and screw or with fixing clips or with expansion holdfasteners including necessary filling up of gaps at junction at top and bottom and sides with required PVC /neoprene fillet etc aluminium sections shall be smooth rust free straight mitred and jointed mechanically wherever required including cleat angles, Aluminium snap beading for glazing /panelling CP brass /stainless steel screws all complete as per architectural drawings and direction of Engineer in Charge (all fittings such as hinges handle and beading etc all are included and measured in Sq.M)				
	For shutters of doors, windows & ventilators including providing and fixing of hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC/neoprene gasket required	Sq.M	22.00	3914.11	86110.42

2	Providing and fixing aluminium work Fully glazed with 4.0mm thick glass pane for Sliding windows ventilators (Subframe) (anodised transparent or dyed to required shade according to IS 1868 minimum anodic coating of grade AC15) subframe for windows and ventilators with extruded builtup standard tubular sections of approved make conforming to IS 733 and IS 1285 fixed with rawl plugs and stainless steel screws etc.with rawl plug and screw or with fixing clips or with expansion holdfasteners including necessary filling up of gaps at junction at top and bottom and sides with required PVC /neoprene fillet etc aluminium sections shall be smooth rust free straight mitred and jointed mechanically wherever required including cleat angles , Aluminium snap beading for glazing /panelling CP brass /stainless steel screws all complete as per architectural drawings and direction of Engineer in Charge (all fittings such as hinges handle and beading etc all are included and measured in Sq.M)	Sq.M	200.00	3746.24	749248.00
3	Providing & fixing of aluminium composite panel using of 3mm exterior aluminium composite panel (ALSTONE/ALCOBOND Equivalent Brand) using 50 mmx25 mm aluminium tube daker rod silicon sealant 60 mm faster pressure tape,angle,screw vivit & good quality structural silicon tube including cost of conveyance taxes of all materials,labours,T & P etc. complete in all respect in all floor.	Sqm	180.00	3690.75	664335.00
4	Providing & fixing structural glazing using 64x58mm Aluminium section in colour anodised finish with 6mmx6mm spaces tape 6x12mm silicon seant GE Or DOW coming make withall nuts & bolts pressure tape 100mm faster good quality structural silicon tube with 6mm one side mirror reflectedone side.Ocean blue colour glass (Saint go bain) including cost of conveyance,taxes of all materials,labour,T&P etc. complete in all respect in all floors	Sqm	150.00	4389.00	658350.00
				TOTAL=	2158043.42
			GRAND TOTAL		39851312.67
			OR SAY Rs		39851500.00

A B S T R A C T

1	EARTH WORK		567766.60
2	CONCRETE WORK		2104322.00
3	REINFORCED CEMENT CONCRETE		5263444.50
4	CENTERING & SHUTTERING		10793912.90
5	BRICK WORK		7687714.30
6	DOORS & WINDOWS		1161916.46
7	STEEL WORK		269138.40
8	FLOORING		6114551.22
9	ROOFING		1191310.80
10	FINISHING WORK		2194071.20
11	DISMANTLING		15241.60
12	SANITARY INSTALLATION		95427.52
13	WATER SUPPLY		234451.75
14	MISCELLANEOUS WORK		2158043.42
	TOTAL=		39851312.67
	SAY		39851500.00

(RUPEES THREE CRORE NINTY EIGHT LAKHS FIFTY ONE THOUSAND FIVE HUNDRED ONLY)