

SCHDULE OF QUANTITY

NAME OF WORK: Construction of Chain link fencing in buffer zone area and Renovation/repair of tower morchas along with guard room at CRPF, RAMPUR.

SLNo	Description	Qty	Unit	Rate	Amount
1	EARTH WORK				
1.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge.				
1.1.1	All kinds of soil	1210.74	cum	177.50	214906.35
1.2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lif.	1035.15	cum	196.00	202889.40
1.3	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	3750	sqm	17.60	66000.00
	Sub-Total				483795.75
2	CEMENT CONCRETE (CAST IN SITU)				
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	22.7	cum	7878.50	178841.95
2.1.2	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	35.19	cum	6518.60	229389.53
2.2	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	149.17	sqm	749.30	111773.08
	Sub-Total				520004.56
3	REINFORCED CEMENT CONCRETE				
3.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
3.1.1	1:1.5:3(1 cement: 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	84.24	cum	9045.75	762013.98
3.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement:				
3.2.1	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	56.16	cum	10852.95	609501.67
3.3	Centering and shuttering including strutting, propping etc. and removal of form for				
3.3.1	Foundations, footings, bases of columns, etc. for mass concrete	407.68	sqm	392.15	159871.71
3.3.2	Columns, Pillars, Piers, Abutments, Posts and Struts	748.8	sqm	961.30	719821.44

3.4	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
3.4.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	11186.17	kg	107.85	1206428.43
	Sub-Total				3457637.23
4	MASONRY WORK				
4.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
4.1.1	Cement mortar 1:6(1 cement :6 coarse sand)	2.28	cum	7132.25	16261.53
4.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
4.2.1	Cement mortar 1:6(1 cement : 6 coarse sand)	20.7	cum	9105.95	188493.16
	Sub-Total				204754.69
5	CLADDING WORK				
5.1	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of min size 300*600mm as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3(1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	63	sqm	1267.95	79880.85
	Sub-Total				79880.85
6	WOOD AND P. V. C. WORK				
6.1	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
6.1.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	14.7	sqm	2392.65	35171.96
6.2	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
6.2.1	Fixed to steel windows by welding	326.25	kg	219.10	71481.38
6.3	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
6.3.1	150x10 mm	13	each	82.55	1073.15
6.4	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
6.4.1	100 mm	68	each	59.55	4049.40
6.5	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2 mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	30	metre	570.95	17128.50
6.6	Providing and fixing to existing door frames.				

6.6.1	30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.	6	sqm	3720.75	22324.50
6.7	Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings . The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS: 6746, duly reinforced with fibre glass chopped strand mat (CSM) as per IS: 11551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight (Only plan area of chajjas shall be measured for making payment).	5.04	sqm	5207.45	26245.55
6.8	Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws:				
6.8.1	35 mm thick shutters				
6.8.1.1	with ISI marked M.S. pressed butt hinges bright finished of required size				
6.8.1.1.1	Second class teak wood	14.7	sqm	5024.15	73855.00
	Sub-Total				251329.44
7	STEEL WORK				
7.1	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D,F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, priming coat of approved steel primer, but excluding the cost of other fittings,glass panes complete all as per approved design, (sectional weight of only steel members shall be measured for payment).				
7.1.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	435	kg	131.05	57006.75
7.2	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm 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:				
7.2.1	Profile E				
7.2.1.1	Fixing with adjustable lugs with split end tail to each jamb	36.4	metre	640.20	23303.28
7.3	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.				
7.3.1	10 x 120 mm	42	each	170.95	7179.90

7.4	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete.				
7.4.1	Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides	19.32	sqm	1133.55	21900.19
7.5	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with:				
7.5.1	4.0 mm thick glass panes	28.56	sqm	1064.65	30406.40
	Sub-Total				139796.52
8	FLOORING				
8.1	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete.	12.73	sqm	1315.30	16743.77
8.2	Providing and laying Vitrified tiles in floor in diferent sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.				
8.2.1	Double charge vitrified tile polished finish of size				
8.2.1.1	Size of Tile 600 x 600 mm	195.32	sqm	1453.65	283926.92
	Sub-Total				300670.69
9	FINISHING				
9.1	15 mm cement plaster on the rough side of single or half brick wall of mix:				
9.1.1	1:6 (1 cement: 6 fine sand)	1763.52	sqm	383.00	675428.16
9.2	12 mm cement plaster of mix:				
9.2.1	1:6 (1 cement: 6 coarse sand)	895.9	sqm	343.65	307876.03
9.3	6 mm cement plaster of mix:				
9.3.1	1:3(1 cement :3 fine sand)	499.37	sqm	300.45	150035.72
9.4	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
9.4.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	1911.98	sqm	171.10	327139.78
9.5	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
9.5.1	Two or more coats on new work	108.77	sqm	155.90	16957.24
9.6	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	1390.23	sqm	156.05	216945.39
9.7	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
9.7.1	Two coats	1390.23	sqm	142.80	198524.84
9.8	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
9.8.1	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	1390.23	sqm	73.95	102807.51
	Sub-Total				1995714.67

10	REPAIRS TO BUILDING				
10.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
10.1.1	With cement mortar 1:4 (1cement: 4 coarse sand)	50	sqm	560.50	28025.00
	Sub-Total				28025.00
11	Dismantling and Demolishing				
11.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
11.1.1	Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	25.16	cum	2434.25	61245.73
11.2	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
11.2.1	In cement mortar	3.19	cum	2060.20	6572.04
11.3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
11.3.1	Of area 3 sq. metres and below	33	each	367.20	12117.60
11.4	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	2659.42	sqm	54.65	145337.30
	Sub-Total				225272.67
12	SANITARY INSTALLATIONS				
12.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				
12.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	3	each	6767.40	20302.20
12.2	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
12.2.1	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	3	each	2301.75	6905.25
12.3	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
12.3.1	Flexible pipe				
12.3.1.1	40 mm dia	3	each	119.55	358.65
12.4	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	3	each	1607.95	4823.85
12.5	Providing and fixing soil, waste and vent pipes :				
12.5.1	100 mm dia				
12.5.1.1	Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	27	metre	1169.30	31571.10
12.6	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
12.6.1	100 mm dia				
12.6.1.1	Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	9	each	567.20	5104.80
12.7	Providing and fixing single equal plain junction of required degree :				

12.7.1	100x100x100 mm				
12.7.1.1	Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	9	each	581.45	5233.05
12.8	Providing and fixing shielded coupling for Hubless centrifugally cast iron pipe				
12.8.1	100 mm dia				
12.8.1.1	SS 304 grade coupling with EPDM rubber gasket	126	each	432.05	54438.30
12.9	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
12.9.1	100 mm inlet and 100 mm outlet				
12.9.1.1	Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	20	each	854.55	17091.00
12.1	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	3	each	168.35	505.05
12.11	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	3	each	231.95	695.85
12.12	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.				
12.12.1	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	3	each	708.95	2126.85
12.13	Providing and fixing M.S. holder bat clamp of approved design to sand cast iron/ cast iron (spun) pipes comprising of M.S. flat brackets made of 50x5 mm flat of specified shape, projecting 75 mm outside the wall surface and fixed on wall with 4nos, 6 mm dia expansion hold fasteners, including drilling necessary holes in brick wall/ CC/ RCC surface and the cost of bolts etc. The pipes shall be fixed to the already fixed brackets with the help of 30 mm x1.6 mm galvanised M.S. flats of specified shape and of total length 420 mm and shall be fixed with M.S. nuts, bolts, & washers of size 25x6 mm, one bolts on each side of the pipe.				
12.13.1	Total bracket length 580 mm of approved shape and design (for single 100 mm dia pipe)	15	each	304.05	4560.75
	Sub-Total				153716.70
13	WATER SUPPLY				
13.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall				
13.1.1	32 mm nominal dia Pipes	24	metre	518.75	12450.00
13.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
13.2.1	20 mm nominal dia Pipes	7.8	metre	537.60	4193.28
13.2.2	25 mm nominal dia Pipes	13.5	metre	627.25	8467.88
13.3	Providing and fixing uplasticised PVC connection pipe with brass unions :				
13.3.1	45 cm length				

13.3.1.1	20 mm nominal bore	9	each	119.05	1071.45
13.4	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	1500	per litre	11.00	16500.00
13.5	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
13.5.1	15 mm nominal bore	3	each	506.80	1520.40
13.6	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
13.6.1	15 mm nominal bore	3	each	670.45	2011.35
13.7	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
13.7.1	15 mm nominal bore	6	each	574.30	3445.80
13.8	Providing and fixing C.P. Brass extension nipple (size 15 mm x 50 mm) of approved make and quality as per direction of Engineer-in-charge.	9	each	74.80	673.20
	Sub-Total				50333.36
14	DRAINAGE				
14.1	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
14.1.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				
14.1.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3	each	12770.55	38311.65
	Sub-Total				38311.65
15	WATER PROOFING				
15.1	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer- in-Charge.	301.93	sqm	563.10	170016.78
	Sub-Total				170016.78
16	NEW TECHNOLOGIES AND MATERIALS				
16.1	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge				
16.1.1	25 mm average thickness	425.13	sqm	126.75	53885.23

16.2	Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge.				
16.2.1	Bars upto 12 mm diameter	7000	metre	8.25	57750.00
16.3	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer- In-charge complete in all respect.				
16.3.1	Epoxy bonding adhesive having coverage 2.20 sqm/kg of approved make	425.13	sqm	285.20	121247.08
16.4	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75 mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2).				
16.4.1	25 mm average thickness in 2 layers.	425.13	sqm	587.35	249700.11
	Sub-Total				482582.42
Total					8581842.98
Modified Estimated Cost after using correction factor on DSR 2023 on account of GST @ 0.973 * 8581842.98 = 8350133					8350133.00
Less Cost Index @1% on 8,350,133.00					-83501.33
Total					8266631.67
Say					82,66,632/-

Executive Engineer
CPWD, Bareilly