

<b>SUMMARY SHEET</b>		
<b>ESTIMATE FOR CONSERVATION WORK OF GHANTA GHAR</b>		
	<b>PHASE -I</b>	<b>TOTAL</b>
1	<b>CONSERVATION WORK</b> ( Conservation and site development work of Ghanta Ghar )	<b>39,65,830.58</b>
	<b>TOTAL PHASE-I</b>	<b>39,65,830.58</b>
	CONTENGENCIES @ 5%	1,98,291.53
	<b>GRAND TOTAL</b>	<b>41,64,122.11</b>

SUMMARY OF COST		
ESTIMATE FOR CONSERVATION WORK OF GHANTA GHAR		
Phase -1		
S.NO	DESCRIPTION	AMOUNT (IN RS.)
<b>A</b>	<b>Conservation Works (Ghanta Ghar)</b>	
1	Removal and Dismantalling Works	1,82,560.14
2	Traditional Massonry Work	2,11,440.00
3	Consolidation Work	1,01,600.00
4	Traditional Roofing and Water proofing works	1,64,775.51
5	New Door Window Works	2,60,325.00
6	Flooring Work	1,37,173.00
7	Finishing Works Including Plaster, stucco and Lime Kara	10,53,966.00
8	Misc.Work Including Parapet /chajja/Conduiting	5,78,502.24
9	Watch & Bell works	7,00,000.00
10	Scaffolding and support frame work	93,687.75
<b>B</b>	<b>Landscape work (Around the Ghanta ghar )</b>	
	Civil works, Pathway , Plinth Protection and Railling works	4,81,800.94
	<b>TOTAL (A+B)</b>	<b>39,65,830.58</b>
<b>C</b>	<b>CONTINGENCY @ 5%</b>	1,98,291.53
	<b>GRAND TOTAL</b>	<b>41,64,122.11</b>

**Estimate for Conservation and site Landscape Works of Ghanta Ghar , Jabalpur**

**NOTES:**

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|---|---|
| 1 | All Item of works are considered inclusive of all leads and lift for all height and distances .   |
| 2 | All Item of works are considered inclusive of scaffolding /shuttering /support structure/electricity and water etc as required / instructed by Site Engineer /Consultants . |

Item	Ref.	Description	Qty	Unit	Rate	AMOUNT
<b>1.0</b>		<b>REMOVAL &amp; DISMANTLING</b>				
<b>1.1</b>	MP UADD SOR 15.2.1	Demolishing cement concrete manually including disposal of material within 50 mtr lead as per direction of Engineer - in charge. 15.2.1 1:3:6 or richer mix	3	CUM	427.50	1,282.50
<b>1.2</b>	MP UADD SOR 15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge.	7	CUM	624.60	4,372.20
<b>1.3</b>	MP UADD SOR 15.5	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer in- charge.	38	SQM	200.25	7,609.50
<b>1.4</b>	MP UADD SOR 15.7.4	Demolishing brick work manually in lime /cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead 15.7.4 In cement mortar	12	CUM	360.90	4,330.80
<b>1.5</b>	MP UADD SOR 15.25	Dismanteling stone slab flooring means including stacking of the serviceable material and disposal of unserviceable material up to a lead of 50 mtr .	6	SQM	46.80	280.80
<b>1.6</b>	Non Schd- 1	Carefully scrapping and removing of multiple layers of white wash enamel paint , distemper, Geru , oil paint, algae, etc. from plain plaster and surfaces gently with care to keep old designs intact .as per prescribed process and specification . Item includes cost of safety measure /use of specified equipment for workers required to complete the work.(Overall length and width will be measured for the purpose of payment)	105	SQM	110	11550

Item	Ref.	Description	Qty	Unit	Rate	AMOUNT
1.7	Non Schd- 2	Careful dismantling of old lime plaster/cement plaster from walls of the heritage structure without damaging the stone work/brick work /historic fabric of the building including raking out of joints and cleaning the surface thoroughly. Item includes cost of safety measure /use of specified equipment for workers required to complete the work and disposal of rubbish to the dumping ground/ work yard within the site by manual means including all leads, lifts and carriage as per direction of Consultants /engineer incharge.(Overall length and width will be measured for the purpose of payment)	350	SQM	161	56350
1.8	MP UADDSOR 15.13	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead.				
	15.13.1	Of area 3 sq. metres and below	13	EACH	24.30	315.9
1.9	JOB WORK	Removal of all Electrical wire , nails,screw ,additional clamps on wall , casing /exposed pvc conduits , additional clamps on chajja ,electrical fixtures ,lights ,boxes ,cartoon , bench ,drum, plumbing (internal & external)taps ,G.I. pipes, etc. from the site and stacking serviceable materials, as directed by Engineer incharge/ Consultants , and including all leads, lifts and carriage. All complete. Item includes cost of safety measure /use of specified equipment for workers required to complete the work.	1	Lump Sum	10000	10000
1.10	Non Schd. 54	De-vegetation from the monuments by chemical injection of Round Up (arsenic base) compound and subsequently uprooting by physical means without damaging the historic fabric and structure of the building under strict supervision of conservation architect/site-in-charge.	3	SQM	633	1899
1.11	Non Schd. 66	Carefully removal of additional/damaged /cemented jaali (as per demarcation ) of parapet level including stacking of serviceable material and disposal of unserviceable material within 100 metres lead as per direction of Engineer-in-charge inclusive of all leads/ lifts and support structure/scaffolding required to undertake the work without damaging the historic fabric of the building .	17	SQM	110	1870
1.12	Non Schd. 55	Carefully removing multiple layers of white wash enamel paint from stone/ decorative columns/ vertical surfaces/Jaali, gently, with care to keep old designs intact as per prescribed process and specifications. Item includes cost of shuttering/ scaffolding/ safety measures/ use of specified equipments for workers required to complete the work. (Overall length and width will be measured for the purpose of payment)	190	SQM	300	57000
2.0		<b>MALBA REMOVAL</b>				

Item	Ref.	Description	Qty	Unit	Rate	AMOUNT
2.1	NON SOR-74 (Derived from mp sor 2014)	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground (upto 15 km ) or as approved by Engineer-in-charge, beyond 100 m initial lead, for all leads including all lifts involved. The rates will be applicable to net quantities after deduction of prescribed percentage for voids mentioned in the specification under subhead "Carriage of materials".	78	CUM	305.18	23804.04
3.0		<b>ROOF DISMANTLING</b>				
3.1	MP UADD SOR 15.19	Dismantling steel work manually/by mechanical means in built up sections without dis membering and stacking within 50 meters lead as per direction of Engineer-in-charge.	340	KG	0.90	306
3.2	MP UADD SOR 15.1	Demolishing lime concrete manually/by mechanical means and disposal of material within 50 meters lead as per direction of Engineer in charge.	5	CUM	149.40	747
3.3	NON SOR-76	Careful removal of stone tiles /" stone pattia" from roof of the building and stacking of serviceable material at workyard (without damaging the stone pattia /tiles /historic fabric of building) and disposal of unserviceable material within 100 metres lead as per direction of Engineer-in-charge .Item includes cost of shuttering /scaffolding /safety measure /use of specified equipment for workers of building required to complete the work .	18	SQM	46.80	842.4
4.0		<b>MASONRY WORK</b>				
4.1		Traditional brick masonry with special brick size in lime mortar in proportion similar to the existing traditional lime mortar (lime putty -surkhi 1:2) after removing the damaged and out of plumb masonry from the historic structure, as directed by Engineer incharge/ Consultants , and including all leads, lifts and carriage. All complete.				
	Non Schd.-5	Brick work for superstructure for all heights	12	CUM	7020	84240
	Non Schd.-7	Brick masonry for arches with special size traditional bricks	4	CUM	8400	33600
4.2	Non Schd.-8	Ornamental traditional brick masonry in mouldings and cornices (upto 30 cm in projection and 30 cm in depth as per traditional practice) in lime mortar similar to the existing traditional lime mortar (lime putty- surkhi 1:2) after removing the damaged and out of plumb masonry from the vertical surfaces , as directed by Engineer incharge/ Consultants , and including all leads, lifts and carriage. All complete.	72	RMT	1300	93600

Item	Ref.	Description	Qty	Unit	Rate	AMOUNT
		<b>CONSOLIDATION WORK</b>				
4.4	Non Sched.- 9	Stitching the cracks in brick masonry using brick and lime mortar matching/toothing with the traditional lime mortar and bricks as existing size and type joinry courses in the historic structure after raking, cleaning and washing the cracks, as directed by Engineer incharge/ Consultants , and including all leads, lifts and carriage. All complete.	4	CUM	11250	45000
4.5	Non Sched.- 10	Stitching of Modular brickwork by inserting sand stone/basalt stone plate as approved of size 600 X 300 X 100 MM at identified locations by engineer in charge / Consultants and grouting the area with rich lime mortar 1:1 (1 lime: 1 Surkhi) including preparing like cutting out brickwork, teething, cleaning, grouting etc.For all heights and stacking of malba within 100 mtr lead.	16	NO.S	1350	21600
4.6	Non Sched.- 11	Consolidation of Lime plaster with grouting , after removal of loose materials and filling the gaps with lime mortar, 1:2 (Lime putty: surkhi) tightly and using pressure grouting technique if required.	70	SQM	500	35000
5.0		<b>ROOFING</b>				
5.1	MP UADD SOR 10.1	Structural steel work in single section fixed with or without connecting plate including cutting,hoisting,fixing in position and applying a priming coat of approved steel primer all complete.	382	KG	53.10	20284.2
5.2	Non Sched.- 13	Providing, hoisting and laying of stone base plate of size (450X 600X 150 MM ) under I sections/wooden beams on the end wall for placing the structural steel/wooden beam, as per the specification .	16	NO.S	1440.00	23040
5.3	DSR 2016 12.23.1.1	Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens or structural steel sections (Karries or battens or structural steel sections to be paid separately), including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete : 12.23.1 Red sand stone slab 12.23.1.1 40 to 50 mm thick	18	SQM	504.05	9072.81
5.4	Non Sched.- 15	Lime plaster 20 mm thick 1:1 (1 slaked Lime: 1 surkhi) on over the stone slab of desired level of app sheet including organic additives like sugarcane molasses, extracts of beil,maithi, etc. as per traditional practices.Item includes cost of shuttering /scaffolding /safety measure /use of specified equipment for workers required to complete the work.	18	SQM	363	6534

Item	Ref.	Description	Qty	Unit	Rate	AMOUNT
5.5.1	NON SOR DSR 2016 22.20.1	providing and laying APP modified pree fabricated 5 layers 3 mm thick water proffing membrane ,black finished reinforced with non woven polyster matt consisting of a coat of bitumin primer for botumen membrane @.4 ltr /sq mtr by the same membrane manufacture of density at 25 degree centigrade ,0.87-0.89 kg/ltr and viscosity of 70-160 cps .the laying of membrane shall be got done through authorised applicator of the manufacturer of membrane 22.20.1 3 mm thick	20	SQM	375.39	7507.8
5.5.2	NON SOR DSR 2016 22.21	Extra for covering top of membrane with Geotextile, 120 gsm non woven, 100% polyester of thickness 1 to 1.25 mm bonded to the membrane with intermittent touch by heating the membrane by Butane Torch as per manufactures recommendation.	20	SQM	68.99	1379.7
5.6	Non Schd.- 20	Providing and laying of 150 to 200 mm thick lime dhar on roofing as per traditional practice in 1:2:2:2 (1 lime: 2 sand: 2 old lime powder: 2 brick aggregate 12mm to 40mm nominal size) using methi, gur, hemp, belgiri etc. including beating and temping as per specification. Ramming for minimum 10 days and curing for min 30 days, as directed by Engineer incharge/ Consultants , and including all leads, lifts and carriage. All complete.	53	SQM	1257	66621
5.7	NON SOR 75	Providing gola 75mm x 75mm in lime concrete 1:2:2:2 (1 lime: 2 surkhi: 2 old lime powder: 2 brick aggregate 12mm to 20 mm nominal size) using methi, gur, hemp, belgiri etc. including beating and temping as per specification.	72	MTR	123.00	8856
5.8	Non Schd.- 23(Pun SOR 13.13)	Providing and fixing sand stone water spout as per traditional design with overhang of not less than 600 mm and made from single piece stone as per drawing.	12	EACH	1790	21480
6.1		<b>NEW DOORS/WINDOW /VENTILATORS</b>				
6.1	Non Schd.- 27	Providing and fixing 1st class well seasoned and chemically treated Teak wood(of approved quality) work in frames of doors, windows, clerestory windows,ventilators , other frames and wrought frame of approved size , as per traiditional wooden joinry of members, and fixed in position in traditional detail/manner with the help of holdfasts / traditional holdfast / handmade nails etc . Item is inclusive of carving /ingraving of pattens on fames as per existing patterns on original frames / detail drawing and finish with primer and redoxide as approved by the Engineer In-charge/ Consultants . Item also include all leads, lifts and carriage upto all heights including necessary framework/scaffolding etc required to complete the task. Contractor to ensure that moisture content of wood is well within IS codes and Any timber found unseasoned shall be rejected. All timber to be free of knots, cracks etc..Item also includes Anti termite treatment of wood before fixing the frame at site, coating/painting of section of embedded timber coming into contact with masonry with tar application/ solignum. Measurement of final finished product will be used for the purpose of volume calculation and for payments.	1.0	CUM	187425	187425

Item	Ref.	Description	Qty	Unit	Rate	AMOUNT
6.2	Non Sched.- 28	Providing and fixing new doors, windows and ventilators shutters of 1st class well seasoned and chemically treated teak wood (of approved quality) single/ double leaves 40-50 mm thick fully/partially glazed openable shutters, panneling of door in wood /glass using 6mm thick Clear float Glass of Saint Gobain or equivalent make ,for doors/windows/ventilator as per the existing original design and pattern /or design as per drawing / as instructed by the Consultants including all necessary fitting/ hardware like screws, nails,metal spikes ,ornamented nails ,metal patterns of flower, metal ribets , parliamentary hinges, tower bolts, handles, traditional MS handmade nails, traditional locking system (hook and chain), decorative features (butt hinges/tower bolt/ handle /door Aldrop/lock) of the same design, material, size and weight, etc . Item to also include making all the mouldings and design of the panels as in the original detail with all beading, patti, carving, marking, as per original existing designs and size of shutters. shutters/panel should be finished from all sides with Redoxide of appropriate shade as approved by the Engineer In-charge / Consultants . Item also include all leads, lifts and carriage upto all heights including necessary framework/scaffolding etc required to complete the task. Contractor to ensure that moisture content of wood is well within IS codes and Any timber found unseasoned shall be rejected. All timber to be free of knots, cracks etc..Item also includes Anti termite treatment of wood before fixing the frame at site, coating/painting of section of embedded timber coming into contact with masonry with tar application/ solignum. Overall Length and width of the shutter /panel will be measured of final finished product for the purpose of area calculations & payments.	9.0	SQM	8100	72900
7.0		<b>FLOORING</b>				
7.1	Non Sched.- 29	Providing and laying Hand dressed Sand stone flooring of size 300x450x100mm or as approved over 20 mm ( average) thick base of lime Mortar 1:2 (1 Slaked lime:2 coarse sand) including flush pointing with Lime Mortar with an admixture of pigment to match the shade of stone, Joints between stones should be less than 12 mm. pattern & design as per Consultants ural drawing.	43	SQM	2300	98900
7.2	Non Sched.- 31	Sub base for flooring: sub- base of 50mm thick bed of local sand/morum/hard copra evenly spread and rammed brick ballast bed 150mm thick with lime mortar in equal proportion, as directed by Engineer incharge/ Consultants , and including all leads, lifts and carriage. All complete.	43	SQM	348	14964



Item	Ref.	Description	Qty	Unit	Rate	AMOUNT
7.3	Non Sched.- 67	Flooring with 1:1:1 (1 lime : 1 Surkhi :1 Coarse sand) with lime mortar including organic additives like sugarcane molasses, extracts of beil,maithi, etc. as per traditional practices. The preparation of mortar is to be done following traditional practice includes using chakki/garat (wet grinding of lime and sand by heavy stone mill / chakki/garat), application of mortar in single layers, with a gap of minimum 3 days and not more than 10 days from previous layer. The item rate includes application ofLoi, tampering, beating, reworking of plaster till the shrinkage cracks disappear and desired finish achieved and curing for 10 days.. 50 mm Thick and finish with Lime kara 1:2 (1lime cream : 2 Zikki powder) grinding mortar with grinding mill/manually on lime base,on all flat surface in two coats.First coat applying 3mm to 4mm thick and curing properly at least 7 days,second finishing coat done after 7days of previous coat as per traditional practice.(thickness not more than 6 mm.)	13	SQM	1793	23309
8.0		<b>FINISHING</b>				
8.1	Non Sched.- 35	Lime plaster 15 to 40 MM thickness on flat wall/vertical surfaces Providing and application of Lime – surkhi Plaster 1:1 (1 slaked Lime: 1 surkhi) on wall surfaces of thickness between 15 to 40 MM including organic additives like sugarcane molasses, extracts of beil,maithi, etc. as per traditional practices. The preparation of mortar is to be done following traditional practice includes using chakki/garat (wet grinding of lime and sand by heavy stone mill / chakki/garat), application of mortar in 3 layers with last layer of 6 MM thick, with a gap of minimum 3 days and not more than 10 days from previous layer. The item rate includes application of Loi, tampering, beating, reworking of plaster till the shrinkage cracks disappear and desired finish achieved and curing for 10 days. Item also includes all lead and lift, establishing work yard / chakki, scaffolding, formwork tools and implements etc.	350	SQM	721	252350
8.2	Non Sched.- 36	Lime plaster 5 to 10 MM thickness on ceiling and curved surfaces. Providing and application of Lime – surkhi Plaster 1:1 (1 slaked Lime: 1 surkhi) on wall surfaces of thickness between 5 to 10 MM including organic additives like sugarcane molasses, extracts of beil,maithi, etc. as per traditional practices. The preparation of mortar is to be done following traditional practice includes using chakki/garat (wet grinding of lime and sand by heavy stone mill / chakki/garat), application of mortar in single layers, with a gap of minimum 3 days and not more than 10 days from previous layer. The item rate includes application ofLoi, tampering, beating, reworking of plaster till the shrinkage cracks disappear and desired finish achieved and curing for 10 days. Item also includes all lead and lift, establishing work yard / chakki, scaffolding, formwork tools and implements etc.	60	SQM	861	51660

Item	Ref.	Description	Qty	Unit	Rate	AMOUNT
8.3	Non Sched.-37	Decorative plaster work in lime surkhi mortar (1:2) as per traditional practice and design, the mortar should be prepared by the grinding mill only. The thickness varying from 10mm to 100mm as per design, as directed by Engineer incharge/ Consultants , and including all leads, lifts and carriage. All complete.	70	SQM	1213	84910
8.4	Non Sched..38	Providing new decorative Stucco work in lime, sand, Surkhi mortar, (1:2:1) 20 mm - 40mm thick as per existing design work/ traditional practices by skilled craftsman, the stucco work should be done as per restoration nature, the mortar should be prepared by grinding mill adding gur, methi & gugal. Sample of the design and details of the decorative stucco work to be shown to the consultants for necessary approvals before finalizing and finishing the same in Lime and Sand plaster in proportions 1:2 with the same, not more than 10 mm in thickness and a final coat of 5 mm Thick lime putty. Item to be paid only for the part of the design made in new plaster and not the entire panel. Item to include curing for 21 days using water pumps or any other necessary methods to avoid any surface cracks. In case of development of surface cracks, the same to be redone as part of rectification works to achieve the necessary level of finish as directed by Consultants or Engineer-in-charge. Item to include all necessary tools, scaffold if required etc. complete	42	SQM	2345	98490
8.5	Non Sched.-39	Providing & applying Lime kara 1:2 (1lime cream : 2 Zikki powder) grinding mortar with grinding mill/manually on lime base,on all flat surface in two coats.First coat applying 3mm to 4mm thick and curing properly at least 7 days,second finishing coat done after 7days of previous coat as per traditional practice.(thickness not more than 6 mm.)	350	SQM	938	328300
8.6	Non Sched.-40	Providing & applying Lime kara 1:2 (1lime cream : 2 Zikki powder) grinding mortar with grinding mill/manually (on lime sand/sand plaster base) on ceiling /curved lime plaster in two coats.First coat applying 3mm to 4mm thick and curing properly at least 7 days,second finishing coat done after 7days of previous coat as per traditional practice.(thickness not more than 6 mm.	60	SQM	1072	64320
8.7	Non Sched.-41	Providing lime kara on decorative/ornamental surfaces or embellishments as per decorative /ornamental designs as per old existing carving on surface highly precise	112	SQM	1553	173936
10.0		<b>OTHER WORKS</b>				

Item	Ref.	Description	Qty	Unit	Rate	AMOUNT
10.1	Non Sched.- 44	Repair of existing sandstone chajja (of approved quality) chajjas (As per existing size length 1200 x width 600 to 750 and thickness 50-75 mm ) by replacing damaged / missing stone chajja, wherever required as per old existing design, including cost of dismantling /making of wall/parapet where chajja is inserted /fixed following existing design & construction details. Item includes cost of safety measure /use of specified equipment for workers of building required to complete the work .at all heights & including all leads and lift.	53	MTR	1175	62275
10.2	Non Sched..43	Providing & fixing new sandstone chajjas (of approved quality). (As per existing size length x width 600 to 750 and thikness 50-75 mm) by replacing damaged/ missing stone chajja, wherever required as per old existing design, including cost of dismantling/ making of wall/ parapet where chajja is inserted/ fixed following existing design & construction details. Item includes cost of safety measures/ use of specified equipment for workers of building required to complete the work at all heights & including all leads and lifts. External edge of the chajja will be measured for payments.	36	MTR	2410	86760
10.3	Non Sched.- 47	Repair ,Cleaning and Re-fixing of hanging decorative stone brackets as per old design including patch repair( if any ) and chemical wash( amonia or as approved) with complete length of support stone as per old design ,materials and specification .Item includes cost of shuttering /scaffolding /safety measure /use of specified equipment for workers of building required to complete the work .	72	EACH	131	9432
10.4	DSR 2016 7.33.1	Providing and fixing stone jali 40 mm thick throughout in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment, matching the stone shade, jali slab without any chamfers etc. 7.33.1 Red sand stone	23	SQM	5904.68	135807.64
10.5	Non Sched.- 68	Restoration of existing red sandstone "Jaali/railing" of the same design & size as per the original railing on site. Item to include fabricating the balusters and hand rail as per the original details and design on site, including preparing necessary base for fixing the railing on ground or fixing the same using S.S. dowels on staircases, as directed by the Architect or Engineer in Charge. Item to include getting samples of balusters and railing from the Architect before fixing the same on site. Item to include all necessary tools. hardware etc. complete. Mode of Measurement: The item to be paid as per the elevation area of the railing restored/ or constructed new only, and not the entire area of the railing.	37	SQM	3466	128242

Item	Ref.	Description	Qty	Unit	Rate	AMOUNT
10.6	JOB WORK	Restoration of traditional Watch exist in the building tower as per traditional machenism / as approved sample by authority .Item includes cost of shuttering / scaffolding /safety measure /use of specified equipment for workers of building required to complete the work .	1	JOB	500000	500000
10.7	JOB WORK	Repairing and cleaning of existing iron ladder of top floor including alignment of stair case,welding ,adding ,replacement of any member and painting with two coat of enamel paint over base coat of primer and antirust treatment . Item includes cost of opening of wall, re-building (if required) shuttering/ scaffolding / safety measures/use of specified equipments for workers of building required to complete the work.	2	JOB	5000	10000
10.8	JOB WORK	Restoration of traditional bell exist in the building tower as per traditional machenism /prescribes specification/ process as approved by authority .Item includes cost of shuttering /scaffolding /safety measure /use of specified equipment for workers of building required to complete the work .	1	JOB	200000	200000
10.9	Non Sched.-69	Providing and fixing new carved stone in place of damage stone member from panpatta base to Arch level in all thicknesses wherever required upto all level/height in plain/ decorative work carved by manual/machanical methode including base(dasa) ,shaft ,capital of columns , springer ,key stone of arches, Decorative red stone band (panpatta pattern) at plinth level. etc as per old design including coldroll stainless steel clamp ,copper pins of required diameter for securing adjacent stones in stone wall lining ,Providing and fixing stone dowels cut to double wedge shape as per old design including making the necessary chases.Item includes cost of mortar /adhesive/ shuttering /scaffolding /safety measure /use of specified equipment for workers required to complete the work.(Overall length , width and thickness of stone will be measured for the purpose of payment)	3	CUM	44630	133890
10.10	Non Sched.65	Providing and fixing of brass finial over kiosk/cuplas/dome as per approved design ,size of 50 mm dia 300mm long, with all fixing accessories , Item to include all necessary hardware, scaffolding etc. complete	1	NO.S	3650	3650
10.11	EJe. DSR 1.21.2	Supplying and fixing of 25mm dia medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	136	MTR	62.10	8445.6
11.0		<b>SCAFFOLDING &amp; SUPPORT FRAME</b>				0

Item	Ref.	Description	Qty	Unit	Rate	AMOUNT
11.1	NON SOR	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge. Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose. (2) The payment will be made once only for execution of all items for such works.	650	SQM	144.14	93687.75
		<b>FOR OUTER RAILLING</b>				
12.1	MP UADD SOR 2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, with in a lead of 50 m. 2.8.1 All kinds of soil	11	CUM	116.10	1277.1
12.2	2016 DSR 5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	7	CUM	6651.72	46562.04
12.3	DSR 5.22.1	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level Mild steel and Medium Tensile steel bars (10 mm and 12 mm dia bars )	770	kg	49.77	38322.9
12.4	MP UADD SOR 20.1.2	Centering and shuttering including strutting, propping etc. and removal of form for all heights :Walls(anythickness)including attached pilasters,butteresses,plinthand string courses etc	52	sqm	194.40	10108.8

Item	Ref.	Description	Qty	Unit	Rate	AMOUNT
12.5	MP UADD SOR 6.3.1	Brick work with chimney brick of class designation 40 in superstructure above plinth level upto floor 2 level including the cost of scaffolding in 6.3.1 Cement mortar 1:4(1 cement : 4 coarse sand)	13	CUM	4092.30	53199.9
12.6	MP UADD SOR 4.1.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering All work up to plinth level. 4.1.1 Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate	5	CUM	4134.60	20673

Item	Ref.	Description	Qty	Unit	Rate	AMOUNT
12.7	DSR 10.28	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge,(for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.)	520	KG	425.16	221083.2
12.8	Non schd. 45	Cleaning ,Painting( with two coat of enamel paint over base coat of primer ) and antirust treatment of old grill ,metal balustrade and jaali of balcony etc Jali paint of treasury	40	SQM	99	3960
12.9	Non Schd.- 32	Plinth Protection- Providing and laying of the modular brick tile on edge flooring on 20mm thick lime concrete leveling course laid over the sub- base of 50mm thick bed of local sand evenly spread and rammed with joints finished and flushed with bricks of class designation 150, on a bed of 12 mm lime surkhi mortar (1:2), including filling the joints with same mortar over the sub-base 150 mm thick of brick ballast (40 mm nominal size), filled with lime mortar 1:2 of equal quantity levelled and compacted as per the instruction of site engineer/ architect.	29	SQM	1166	33814
12.10	Non Schd.70	PATHWAY WITH TOE WALL -Providing and laying of the modular brick tile on edge flooring on 20mm thick lime concrete leveling course laid over the sub- base of 50mm thick bed of local sand evenly spread and rammed with joints finished and flushed with bricks of class designation 150, on a bed of 12 mm lime surkhi mortar (1:2), including filling the joints with same mortar over the sub-base 150 mm thick of brick ballast (40 mm nominal size), filled with lime mortar 1:2 of equal quantity levelled and compacted Item also inclusive of toe wall in stone masonry of 460x250and 300 x230 mm height with pcc sub base of 1:4:8 100 mm thick both side of pathway as per the instruction of site engineer/architect. (plan area including toe wall top will be measured for payments )	30	SQM	1760	52800
<b>Grand Total</b>						<b>39,65,830.58</b>