

**Construction of Open Air Theatre & Development of Recreational Zone
at Bhitauli , Gawrighat, Jabalpur (M.P.)**

SUMMARY OF COST		
S.NO	DESCRIPTION OF WORK	Amount on REDUCED RATES
A	TOTAL {site development grade correction & slope creation}	₹ 19,81,751.45
B	TOTAL BUILDING WORKS	₹ 7,21,11,126.34
C	ROAD AND STORM WATER DRAIN WORKS	₹ 1,21,72,802.76
D	LANDSCAPING WORKS	₹ 1,55,20,948.42
E	TOTAL	₹ 10,17,86,628.97
F	ADD @15% {for site level sanitary infrastructure, electrical, fire fighting, B.M.S including cameras, etc.} of building works	₹ 1,08,16,668.95
G	Total estimated cost of project	₹ 11,26,03,297.92
	SAY Rs.	₹ 11,26,03,300.00
IN WORDS - eleven crore twenty six lakhsthree thousand three hundred only		

Estimate For Gwarighat Open Air Theatre for Site Development, Grade Correction Slope Creation & Building Works (Ref.Sor in Force Of 2012 UADD)

Serial NO	Reference No	Description of item	Quantity	Unit	RATE	AMOUNT	Reduced rate	Reduced amount
		SITE CLEARANCE						
1	UADD SOR 2,1/P-15	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed.						
	2.1.1	AREA FOR (clearance)	11016.00	Sq. m	27	297432	24.3	₹ 2,67,688.80
		EXCAVATION						
2	UADD SOR 2,6/P-15	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.						
	1	Excavation for coulumn footing in outer seating [6X10]	562.50	Cum				
	2	Excavation for coulumn footing inner seating portion [6X10]	291.60	Cum				
		Excavation for landing stair case coulumn [6X8]	450.00	Cum				
		Excavation for innermost seating area 1st STEP	91.80	Cum				
		Excavation for innermost seating area 2nd STEP	67.20	Cum				
		Excavation for innermost seating area 3rd STEP	62.40	Cum				
		Excavation for innermost seating area 4th STEP	58.20	Cum				
		Excavation for innermost seating area 5thSTEP	53.40	Cum				
		Excavation for fin wall foundation	179.01	Cum				
		Excavation for the near stage [area=240m2]	120.00	Cum				
		Excavation for pit area {area=350m2}	315.00	Cum				
		Excavation for center stage down area {area=150m2}	45.00	Cum				
		Excavation for Green arae {area=434m2}	1302.00	Cum				
		Excavation for green room wall foundation OUTER WALL	88	Cum				
		Excavation for green room wall foundation INNER WALL	23	Cum				
		Excavation for pitt wall foundation{22.6X5=113}	90.4	Cum				
		Excavation in VISARJAN KUND(area is taken 30%lesser due to existing contour)1298.5-1298.5x30%=908.95)	6908.02	Cum				
	2.6.1	ALL KINDS OF SOIL	10707.53	Cum	129	1381271.37	116.1	₹ 12,43,144.23
		EARTH FILLING from selected excavated earth						
4	UADD ,Vol. 2. 2.25 P-19	Filling by 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 m and lift upto 1.5 m						
		Filling in the innermost seating area 1st STEP	91.80	Cum				
		Filling in the innermost seating area 2nd STEP	67.20	Cum				
		Filling in the innermost seating area 3rd STEP	62.40	Cum				
		Filling in the innermost seating area 4th STEP	58.20	Cum				
		Filling in the innermost seating area 5thSTEP	53.40	Cum				
		Filling in the ath near stage [area=240m2]	120.00	Cum				
		Filling in the pit area {area=350m2}	315.00	Cum				
		Filling in the center stage down area {area=150m2}	45.00	Cum				
		Filling in the Green arae {area=434m2}	1302.00	Cum				
		Filling in the green room wall foundation OUTER WALL	70.40	Cum				
		Filling in the green room wall foundation INNER WALL	13.80	Cum				
		Filling in the pitt wall foundation{22.6X5=113}	72.32	Cum				
		Earth filling in VISARJAN Kund [Volume=6596.8m3]	6597.00	Cum				
		Total excavated EARTH FILLING	8868.52	Cum	59	523242.68	53.1	₹ 4,70,918.41
		P.C.C						
3	UADD ,Vol. 2. S NO.4.1 P-34	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering All work up to plinth						
	4.1.2	Cement concrete grade M-15 (Nominal Mix) with 20 mm maximum size of stone aggregate						
		P.C.C in coulumn footing in outer seating [6X10]	37.50	Cum				
		P.C.C in coulumn footing inner seating portion [6X10]	19.44	Cum				
		P.C.C in landing stair case coulumn footing {6X8}	30.00	Cum				
		P.C.C in innermost seating area 1st STEP	18.36	Cum				
		P.C.C in innermost seating area 2nd STEP	13.44	Cum				
		P.C.C in innermost seating area 3rd STEP	12.48	Cum				
		P.C.C in innermost seating area 4th STEP	11.64	Cum				
		P.C.C in innermost seating area 5thSTEP	10.68	Cum				
		FIN wall Foundation PCC	13.37	Cum				
		P.C.C in Path near stage [area=240m2]	24.00	Cum				
		P.C.C in pit area {area=350m2}	35.00	Cum				

		P.C.C in center stage down area {area=150m2}	15.00	Cum					
		P.C.C in Green area {area=434m2}	43.40	Cum					
		P.C.C in green room wall foundation OUTER WALL	11.00	Cum					
		P.C.C in green room wall foundation INNER WALL	4.60	Cum					
		P.C.C in pit wall foundation{22.6X5=113}	11.30	Cum					
		PCC in VISARIJAN KUND STAIR LANDING {area93X2X62X36}=13392m2}	1339.20	Cum					
		Base Position concrete	1650.41	Cum	4154	6855782.37	3738.6	₹ 61,70,204.13	
		DAMP PROOF COURSE (DPC)							
	UADD 4.10 P-36	Providing and laying damp-proof course 50mm thick with cement concrete grade M-15 (Nominal Mix) with 20 mm maximum size of stone aggregate							
		DPC over Plinth beam for green area Room	121.05						
		DPC OVER plinth beam semi circular 1st	104.4						
		DPC OVER plinth beam semi circular 2nd	66.6						
		DPC OVER plinth beam semi circular 3rd	58.05						
		DPC OVER plinth beam semi circular 4th	49.5						
	4.10	TOTAL DPC	399.6	m2	226.00	90309.6	203.4	₹ 81,278.64	
		R.C.C							
5	2012 UADD SOR Vol. 2. S NO- 5.1 P-46	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 :							
	5.1.1	Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.							
		RCC in base footing in column OUTER COLUMN	63.48	Cum					
		RCC in base footing in column INNER COLUMN	30.72	Cum					
		RCC in staircase structure column base footing	50.784	Cum					
		RCC in base OUTER COLUMN for trapezium portion [a=2.3,b=0.6]	44.76	Cum					
		RCC in base INNER COLUMN for trapezium portion [a=1.6,b=0.6]	33	Cum					
		RCC in base footing STAIRCASE COLUMN for trapezium portion	35.808	Cum					
		RCC in FIN wall base strip	26.73	Cum					
		RCC for FIN wall trapezium portion{a=1.45,b=1.05,d=0.6,c=sqrt(a^2+b^2)}	60.75	Cum					
		RCC in top strip under the FIN wall	34.02	Cum					
		RCC in PLINTH BEAM 1st arch length	46.98	Cum					
		RCC in PLINTH BEAM 2nd arch length	19.98	Cum					
		RCC in PLINTH BEAM 3rd arch length	17.415	Cum					
		RCC in PLINTH BEAM 4th arch length	14.85	Cum					
		Plinth beam for green area Room{110+113+46=269m}	36.315	Cum					
		TOTAL RCC UPTO PLINTH	515.59	Cum	4728	2437718.976	4255.2	₹ 21,93,947.08	
		RCC ABOVE PLINTH							
	2012 UADD SOR Vol. 2. S NO- 5.2 P-46	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. up to floor two level excluding cost of centering, shuttering, finishing and reinforcement							
		RCC in column A	83.16	Cum					
		RCC in column B	51.84	Cum					
		RCC in column C	14.18	Cum					
		RCC in column D	9.72	Cum					
		RCC in Slab 3.6m wider at 3.75m above from G.L	45.79	Cum					
		Railing RCC wall circular	18.65	Cum					
		Railing RCC wall Spiral	29.52	Cum					
		RCC trapezium FIN wall{area=((0.3+0.75)/2X2.3)}=1.20m2	95.04	Cum					
		TOTAL RCC ABOVE PLINTH	347.90	Cum	5050	1756869.75	4545	₹ 15,81,182.78	
		RCC IN BEAMS							
	2012 UADD SOR Vol. 2. S NO- 5.3 P-46	Reinforced cement concrete work in beams , suspended floors, roofshaving slope up to 15° landings, balconies, shelves, chajjas, lintels , bands, plain window sills, staircases and spiral stair cases up to floor two level excluding the cost of centering, shuttering, finishing and reinforcement with Cement concrete grade M-20 (Nominal Mix with 20 mm maximum size of stone aggregate).							
		RCC in Slab at a slope for stair seating in the area (460m2) for the thickness of 100mm	276.00	Cum					
		RCC in Edge beam (450X300)	16.85	Cum					
		RCC in stair seating (one seat area=(2x0.4)/2=0.4m2)), RCC volume =areaXthickness. A	62.16	Cum					
		B	60.24	Cum					
		C	56.16	Cum					
		D	54.72	Cum					

		E	53.09	Cum				
		F	51.12	Cum				
		G	49.44	Cum				
		H	47.52	Cum				
		I	45.89	Cum				
		J	44.09	Cum				
		COULMN AND TIES						
		RCC IN coulmn tie(6X3=18)	62.94	Cum				
		RCC IN TIE Beam (A)	18.47	Cum				
		RCC IN TIE Beam(B)	17.50	Cum				
		RCC IN TIE Beam (C)	16.04	Cum				
		RCC IN TIE Beam(D)	14.82	Cum				
		RCC in radial beams under the slab(9x6=54)	153.09	Cum				
		RCC in staircase structure column {8X6=48}	172.80	Cum				
		RCC in TIE BEAM in staircase structure column(6X4X2=48)longer side	106.92	Cum				
		RCC in TIE BEAM in staircase structure column(6X4X2=48)shorter side	46.66	Cum				
		GREEN ROOM AREA						
		RCC in Green room area slab [total area =595m2, 120mm thick slab	71.40	Cum				
		Top beam under the slab(110+113+25=248m)	33.48	Cum				
		LINTELS ON DOOR						
		Lintels on D1 (1200X2100){4+4=8}	0.27	Cum				
		Lintel on D2(900X2100){12+2=14}	0.23	Cum				
		Lintels on Windows (1500x1500)	0.32	Cum				
		Lintels on Ventilators(750X600)	0.21	Cum				
		Lintel on Shutters for shops (3000x2400)	0.60	Cum				
		Lintel on Shutters for shops (3600x3600)	0.69	Cum				
		Lintel on Shutters for shops (4800X4800)	0.87	Cum				
		RCC IN steps in visarjan kund(steps area 0.0225m2);2X51=102	142.29	Cum				
		RCC IN Landing in KUND	12.40	Cum				
		TOTAL	1689.25	m3	5120	8648960	4608	₹ 77,84,064.00
		PRE CAST seats						
	2012 UADD SOR Vol. 2. S NO- 5.14 P-48	Providing, hoisting and fixing up to floor two level precast reinforced cement concrete in shelves including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement with Cement concrete grade M-20 (Nominal Mix with 20 mm maximum size of stone aggregate)						
	5.14	PRECAST SEAT (area of seat=0.125m2)A	19.43	Cum				
		B	18.83	Cum				
		C	17.55	Cum				
		D	17.10	Cum				
		E	16.59	Cum				
		F	15.98	Cum				
		G	15.45	Cum				
		H	14.85	Cum				
		I	14.34	Cum				
		J	13.78	Cum				
			163.88	Cum	8671	1421025.158	7803.9	₹ 12,78,922.64
		REINFORCEMENT						
6	UADD 5.20 P-49	Reinforcement for R.C.C. work including straightening, cutting,bending, placing in position and binding including cost of binding wire upto floor two level including all wastage etc. complete						
		Reinforcement for R.C.C. work upto plinth						
		Reinforcement for R.C.C. work above plinth						
		Reinforcement for R.C.C. work above plinth						
	5.20.6	Thermo-Mechanically Treated bars.						
		Taking @ 200kg per cubic meter of conc. TOTAL	543323.9	Kg	60	32599434	54	₹ 2,93,39,490.60
		CENTERING AND SHUTTERING						
7	UADD SOR 20.1 P-209	Centering and shuttering including strutting, propping etc.and removal of form for						
	20.1.1	Foundations, footings, bases of columns, etc. For mass concrete						
		Shuttering in base footing (60X4=240)	110.4	m2				
		Shuttering in base (60X4=240)	76.8	m2				
		Shuttering in staircase structure column base	88.32	m2				
		Shuttering in Fin Wall foundation base strip	5.28	m2				
		Shuttering in Fin Wall foundation top strip above trapezium portion of foundation	10.56	m2				
		Shuttering in Fin Wall foundation top strip above trapezium portion of foundation	0.84	m2				
		SHUTTERING in PLINTH BEAM 1st arch length	156.6	m2				
		SHUTTERING in PLINTH BEAM 2nd arch length	133.2	m2				

		SHUTTERING in PLINTH BEAM 3rd arch length	116.1	m2				
		SHUTTERING in PLINTH BEAM 4th arch length	99.00	m2				
		SHUTTERING in plinth beam for green area building	242.10	m3				
		Total for centering and shuttering in foundation	797.10	m2	138	109999.8	124.2	₹ 98,999.82
		Shuttering in column						
8	20.1.6	Columns, Pillars, Piers, Abutments, Posts and Struts.						
		SHUTTERING in column A (4X30=120)	554.4	m2				
		SHUTTERING in column B (4X30=120)	345.6	m2				
		SHUTTERING in column C(2X30=60)	94.5	m2				
		SHUTTERING in column C(2X30=60)	63	m2				
		SHUTTERING in column D	64.8	m2				
		SHUTTERING in column D	43.2	m2				
		SHUTTERING IN coulumn tie(18X2=36)	419.58	m2				
		SHUTTERING IN coulumn tie18X2=36)	279.72	m2				
		SHUTTERING IN TIES (A)	123.12	m2				
		SHUTTERING IN TIES (A)	82.08	m2				
		SHUTTERING IN TIES (B)	116.64	m2				
		SHUTTERING IN TIES (B)	77.76	m2				
		SHUTTERING IN TIES (C)	106.92	m2				
		SHUTTERING IN TIES (C)	71.28	m2				
		SHUTTERING IN TIES (D)	98.82	m2				
		SHUTTERING IN TIES (D)	65.88	m2				
		Top beam under the slab GREEN area	223.2	m2				
		Beam lower side	74.4	m2				
		Shuttering in radial beams under the slab(54X2=108)	1020.6	m2				
		Radial beam lower side	340.2	m2				
		Shuttering under the green area slab (STAGE) area=595m2	595	m2				
		Shuttering under stair case slab(area=in one slab =460m2)	2760	m2				
		SHUTTERING in staircase structure column {8X6=48},{48X4=192}	1152	m2				
		SHUTTERING in TIE BEAM in staircase structure column(6X4X2=48)longer side (48X4=192)	950.4	m2				
		SHUTTERING in TIE BEAM in staircase structure column(6X4X2=48)shorter side	414.72	m2				
		Shuttering in LINTELS		m2				
		Lintels on D1 (1200X2100){4+4=8}	4.32	m2				
		LOWER SIDE	2.88	m2				
		Lintel on D2(900X2100){12+2=14}	6.3	m2				
		LOWER SIDE	4.2	m2				
		Lintels on Windows (1500x1500)	3.78	m2				
		LOWER SIDE	2.52	m2				
		Lintels on Ventilators(750X600)	2.52	m2				
		LOWER SIDE	1.68	m2				
		Lintel on Shutters for shops (3000x2400)	28.8	m2				
		LOWER SIDE	19.2	m2				
		Lintel on Shutters for shops (3600x3600)	33.12	m2				
		LOWER SIDE	22.08	m2				
		Lintel on Shutters for shops (4800X4800)	34.8	m2				
		LOWER SIDE	23.2	m2				
			10327.22	m3	282	2912276.04	253.8	₹ 26,21,048.44
		BRICK WORK						
10	UADD SOR 6.27 P-60	Brick work with modular fly ash lime bricks (FALG Bricks) conforming to IS:12894-2002, class designation 100 average compressive strength in superstructure above plinth level up to floor 2 level including the cost of scaffolding :						
	6.27.1	Cement mortar 1:4 (1 cement : 4 coarse sand)						
		Shops outer wall First	197.74	Cum				
		Shops outer wall Second	112.75	Cum				
		Shops outer wall Third	77.28	Cum				
		Shops outer wall Fourth	58.75	Cum				
		Shops spiral walls(6x2=12)	106.57	Cum				
		Shops spiral walls(6x3=18)	80.89	Cum				
		Shops spiral walls(6x2=12)	50.40	Cum				
		Shops spiral walls(6x3=18)	39.06	Cum				
		Walls in green area						
		Outer wall (1st Footing)	26.4	Cum				
		Outer wall (2nd Foot)	13.2	Cum				
		Outer wall above plinth	59.4	Cum				
		Inner wall(1st Footing)	11.04	Cum				
		Inner wall(2nd Footing)	5.52	Cum				
		Inner wall above plinth	12.42	Cum				
		Walls in Pitt Area		Cum				
		Pitt wall foundation bricks work 1st foot	27.12	Cum				
		Pitt wall foundation bricks work 2nd foot	13.56	Cum				
		Pitt wall bricks work above plinth	27.12	Cum				
		Total	919.23	Cum				

		DEDUCTION						
		Door D1	4.03	Cum				
		D2	1.51	Cum				
		WINDOW	2.70	Cum				
		VENTILATORS	0.27	Cum				
		SHUTTERS Size A	34.56	Cum				
		SHUTTERS Size B	62.21	Cum				
		SHUTTERS Size C	92.16	Cum				
		Deduction volume for door & shutter opening	197.44	Cum				
		Total brick work	721.79	Cum	4123	2975919.555	3710.7	₹ 26,78,327.60
		PLASTER FINISHING WORK						
	UADD 13.3 P-	20 mm cement plaster of mix :			146			
	13.3.2	1:5 (1 cement: 5 fine sand)						
		Shops outer wall First (one side)	1198.89	Sq.m				
		Shops outer wall Second(both side)	2721.6	Sq.m				
		Shops outer wall Third(both side)	772.8	Sq.m				
		Shops outer wall Fourth(both side)	587.52	Sq.m				
		Shops spiral walls(6x2=12)(both side)	1065.72	Sq.m				
		Shops spiral walls(6x3=18)(both side)	1617.84	Sq.m				
		Shops spiral walls(6x2=12)(both side)	504	Sq.m				
		Shops spiral walls(6x3=18)(both side)	781.2	Sq.m				
		GREEN AREA						
		Green area wall inner side (one side)	297	Sq.m				
		Pitt wall. Plastering (both sides)	271.2	Sq.m				
		Inner wall in green area rooms (both side)	248.4	Sq.m				
		Total surface area of walls	10066.17	Sq.m				
		Deductions for openings						
		Door D1	20.16	Sq.m				
		Door D2	26.46	Sq.m				
		WINDOW	13.5	Sq.m				
		VENTILATORS	2.7	Sq.m				
		SHUTTERS Size A	172.8	Sq.m				
		SHUTTERS Size B	311.04	Sq.m				
		SHUTTERS Size C	460.8	Sq.m				
		Total Deduction (-)	1007.46	Sq.m				
	13.3.2	Total 20 mm plaster	9058.71	Sq.m	146	1322571.66	131.4	1190314.494
	UADD SOR	Rough cast plaster up to 10m height above ground level with						
	13.19.1	Ordinary cement finish using ordinary cement						
		OUTER wall one side	986.79	Sq.m				
		Green area wall outer exposed side (one side)	297	Sq.m				
				Sq.m				
				Sq.m				
		Total Rough Plaster	1283.79	Sq.m	257	329934.03	231.3	₹ 2,96,940.63
	UADD SOR	Extra for providing and mixing water proofing material in		1 Kg				
	2012 13.21	cement plaster work in proportion recommended by the		Water	66			
	13.21	Total plaster area in ITEM NO 13.3.21 is 9070m2 hence	997.7	Bag	66	65848.2	59.4	₹ 59,263.38
		Riser & Treads IN STAIRCASE						
	UADD SOR	Kota stone slabs 25mm thick in risers of steps, skirting,dado						
		Kota stone in KUND stairs						
		STAIRCASE TREAD 2X51=102-1=101	1878.60	Sq.m				
		RISER	948.60	Sq.m				
		LANDING	744.00	Sq.m				
		STAIRCASE IN BLOCK LANDING		Sq.m				
		NO of steps 52x6=312		Sq.m				
		RISER	449.28	Sq.m				
		TREAD(312-24=288)	207.36	Sq.m				
		LANDING	69.12	Sq.m				
		LANDING	24.00	Sq.m				
		SIDE STEPS IN OAT TREAD (6X80)	244.80	Sq.m				
		SIDE STEPS IN OAT RISER (6X80)	408.00	Sq.m				
		TOTAL Kota stone in stairs	4973.76		821	4083456.96	738.9	₹ 36,75,111.26
	UADD SOR	Extra for pre finished NOSING in treads of steps of Kota						
		IN KUND STAIRCASE STEPS	6324.00	Meter				
		IN BLOCK LANDING	1382.40	Meter				
		SIDE STEPS IN OAT	816.00	Meter				
		Total Nosing	8522.40	Meter	32	272716.8	28.8	245445.12
		FLOORING						
	UADD SOR	Kota stone slab 25mm thick flooring over 20 mm (average)						
		STAGE FLOORING	595					
		LIGHT DIRECTOR PITT	141.5					
		1st CORRIDOR at G.L	236.9					
		2nd CORRIDOR at upper level	226.3					
		IN AISLE(100X5)	500					
		IN BLOCK STAIR CASE FLOORING	763.2					
		TOTAL	2462.9	Sq.m	819	2017115.1	737.1	₹ 18,15,403.59
		COPING						

	UADD SOR 2012 8.2 P-78	Providing and fixing 16mm thick gang saw cut mirror polished remoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1						
	8.2.8.2	Area of granite stone slab over 0.50 sqm.	760.15	Sq.m	2544	1933821.6	2289.6	1740439.44
		FINISHING						
	2012 UADD 13.26.1 P- 164	Providing and applying 1.5 mm thick (in two coat) white cement based wall putty of best quality, over plastered surface to prepare the surface even and smooth complete.						
	13.26.1	Putty applied only in the Green room area only	900	Sq. m	82	73800	73.8	₹ 66,420.00
		PAINTING						
	UADD SOR 2012 13.52 P-162	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface,						
	13.52.2	On concrete works {SAME QUANTITY AS ITEM NO 13.26.1}	900	Sq. m	98	88200	88.2	₹ 79,380.00
	13.37	White washing with lime to give an even shade:						
		Same qty as in 13.3.2 minus green area qty-9070-900=8170m2	8170	Sq. m	8	65360	7.2	₹ 58,824.00
	13.37.1	New work (three or more coats)	8170	Sq. m	6	49020	5.4	₹ 44,118.00
		CEMENT CONCRETE FLOORING						
	UADD SOR 2012 11.5 P-128	62 mm thick cement concrete flooring with concrete hardener topping under layer 50 mm thick cement concrete grade M-15 (Nominal Mix with 20mm maximum size of stone aggregate) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6mm nominal size) by volume. Hardening compound is mixed @ 2 litre per 50kg of cement or as per manufactures specifications. This includes cost of cement slurry but excluding the cost of nosing of steps etc						
		Flooring in Shops	1600	Sq.m	387	619200	348.3	₹ 5,57,280.00
		TILES INTOILETS						
	11.39	Providing and laying polished vitrified floor tiles in different sizes(thickness to be specified by the manufacturer) with water absorption'sless than 0.08% and conforming to IS : 15622 of approved make in allcolours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4coarse sand) including grouting the joints with white cement and matching pigments etc., complete.						
	11.39.3	Size of Tile 80x80 cm x 10 mm	456	Sq.m	1566	714096	1409.4	₹ 6,42,686.40
		WALL TILES						
	11.34	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (6 to 7mm thick) of approved make in all colours, shades except burgundy, bottle green, black of any size 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.	840	Sq.m	686	576240	617.4	₹ 5,18,616.00
		PAVEMENTS						
	UADD SOR 2012 11.46 P-136	Providing and laying 60 mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine its strong vibratory compaction and of approved size and design/shape laid in required colour and pattern over and including 50 mm thick compacted bed of course sand, filling the joints with coarse sand etc. all complete as per the direction of Engineer-in-charge.						
		INTER LOCKING PAVER BLOCK	8210	Sqm	454	3727340	408.6	₹ 33,54,606.00
	UADD SOR{Vol III} 2012 11.46 P-136	Providing and laying Pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications and as per relevant clauses of section 2500.						
	(a)	Stone/Boulder(in the area of 1667Sq.m)	500.1	Cum	838	419083.8	754.2	₹ 3,77,175.42
	UADD SOR{Vol III} 2012 11.46 P-136	Providing and laying Filter material underneath pitching in slopes complete as per drawing and Technical specification and as per relevant clauses of section 2500.						
		same area as item no 11.46	166.7	Cum	852	142028.4	766.8	₹ 1,27,825.56
		ROLLING SHUTTERS						

	UADD SOR 2012 10.6 P-113	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters.						
	10.6.2	80x1.20 mm M.S. laths with 1.20 mm thick top cover.						
		SIZE A	172.8	Sq.m				
		SIZE B	311.04	Sq.m				
		SIZE C	460.8	Sq.m				
		TOTAL area rolling shutters	944.64	Sq.m	1395	1317772.8	1255.5	₹ 11,85,995.52
	UADD SOR 2012 10.14 P-115	Providing and fixing pressed steel frames for doors, windows & ventilators conforming to IS: 4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties 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						
	10.14.2	Single rebate 100x50mm						
		Door D1	52.8					
		Door D2	84					
		WINDOW	36					
		VENTILATORS	32.4					
		TOTAL window openings	205.2	Meter	334	68536.8	300.6	₹ 61,683.12
		Panneled shutters for doors						
	UADD SOR 2012 9.5 P-86	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S butt hinges with necessary screws excluding, panelling which will be paid for separately.						
	9.5.1	Second class teak wood						
	9.5.1.1	35 mm thick shutters						
		Door D1	20.16	Sq.m				
		Door D2	26.46	Sq.m				
		TOTAL doors	46.62	Sq.m	2290	106759.8	2061	₹ 96,083.82
		Glazed shutters for windows						
	UADD SOR 2012 9.6 P-88	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes including black enamelled ISI marked M.S butt hinges with necessary screws.						
	9.9.1	Second class teak wood						
	9.9.1.1	35 mm thick						
		WINDOW	13.5	Sq.m				
		VENTILATORS	2.7	Sq.m				
		TOTAL for glazed shutters	16.2	Sq.m	2799	45343.8	2519.1	₹ 40,809.42
	UADD SOR 2012 9.6 P-88	Extra for providing heavy sheet float glass panes instead of ordinary float glass in glazed doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured)						
	9.11.1 5.5	mm thick instead of 4 mm thick.						
		WINDOW	13.5	Sq.m				
		VENTILATORS	2.7	Sq.m				
		TOTAL for glass panes	16.2	Sq.m	163	2640.6	146.7	₹ 2,376.54
		STEEL WORK						
	MP PWD SOR 2014 10.23 P-182	Providing and fixing hand rail of approved size by welding etc to steel ladder railing balcony railing ,staircase railing, and similar works including applying a priming coat of steel primer						
	10.23.1	M.S.Tube						
		Railing in block staircase length of railing						
	1	Railing length=6x9.6=57.6m;"landing L=6[3(4.8+4.8)+2(4.8+2.5)]=260.4m;"Total L=57.6+260.4=318m ;"Per meter weight for circular and	2785.68					
	2	Railing along the Kund stairs;"2[4(5.5X3+3X2)]=90	788.4					
			3574.08	Kg	110.4	394578.432	99.36	₹ 3,55,120.59
	UADD SOR 2012 10.1 P-113	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.						
		In 2 Sides for 72.2m length and 1.8 meter wide GRILL	15612	kg	59	921108	53.1	₹ 8,28,997.20
		PAINTING ON STEEL WORK						

	13.5	Applying priming coat :						
	13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/steel works						
		Only for shutters in the Shops						
		SIZE 1	172.8	Sq.m				
		SIZE 2	311.04	Sq.m				
		SIZE 3	460.8	Sq.m				
		Total primer on seal works (SHUTTERS)	944.64	Sq.m	16	15114.24	14.4	₹ 13,602.82
		Painting on Steel works						
	UADD SOR 2012 13.52 P-162	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete						
	13.52.1	On steel work						
		Paint on Grill	312					
		Paint On railing along the Kund staircase	500					
		Paint On railing along staircase in block landing	382					
		Paint on door frame	52					
		Painting on Rolling shutter	944.64					
			2190.64	Sqm	96	210301.44	86.4	₹ 1,89,271.30
		Plumbing & fixtures in TOILET / WASHROOM						
	25.2.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre 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 wherever required :	30	EACH	2525	75750	2272.5	₹ 68,175.00
	25.4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required						
	25.4.3	Range of three urinal basins with 10 litre white P.V.C. automatic flushing cistern.	10	EACH	4396	43960	3956.4	₹ 39,564.00
	25.7	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 :						
	25.7.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15mm C.P brass pillar taps	30	EACH	1564	46920	1407.6	₹ 42,228.00
	25.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.						
	25.28.2	Flexible pipe					0	
	25.28.2.2	40mm dia	60	EACH	57	3420	51.3	₹ 3,078.00
	25.32	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :						
	25.32.3	Oval shape 450x350mm (outer dimensions) MIRROR	30	EACH	778	23340	700.2	₹ 21,006.00
	UADD SOR, 2012, SNO- 23.1 P-226	Providing and fixing medium grade G.I. pipes medium class (ISI mark) complete with G.I. fittings (ISI mark) and clamps, including cutting and making good the walls etc.						
	23.10.1	15 mm nominal bore 6*3*10=180	180	Meter	139	25020	125.1	₹ 22,518.00
	23.10.3	25mm nominal bore (7+7+7)*10 = 210	210	Meter	232	48720	208.8	₹ 43,848.00
		32 mm Nominal bore from tank to toilets	300	Meter	288	86400	259.2	₹ 77,760.00
		40 mm Nominal bore from tank to toilets	400	Meter	347	138800	312.3	₹ 1,24,920.00
	23.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)						
	23.17.1	25 mm nominal bore each	10	EACH	245	2450	220.5	₹ 2,205.00
	23.17.2	32 mm nominal bore	10	EACH	373	3730	335.7	₹ 3,357.00
	23.23	Painting G.I. pipes and fittings with synthetic enamel white paint ready mixed caot						
	23.23.1	15 mm nominal bore each	180	Meter	6	1080	5.4	₹ 972.00
	23.23.3	25 mm nominal bore	210	Meter	9	1890	8.1	₹ 1,701.00
	23.23.4	32 mm Nominal bore from tank to toilets	300	Meter	11	3300	9.9	₹ 2,970.00
	23.23.5	40 mm Nominal bore from tank to toilets	400	Meter	12	4800	10.8	₹ 4,320.00

	UADD SOR 23.9 P-225	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete.As per direction of Engineer in charge . (change room toilets)						
	23.9.9	100mm nominal inner dia .pipes(5 m lentgh for 5places)	25	Meter	2435	60875	2191.5	₹ 54,787.50
	UADD SOR 23.28 /P-229	: Providing and placing on at all floor levels high design HDPE(polyethylene) water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	3000	liter	2	6000	1.8	₹ 5,400.00
	23.39	BRASS soap container with all specification as per	30	no	587	17610	528.3	₹ 15,849.00
	UADD SOR 23.51 P-22	Constructing one brick masonry chamber 60x60x75 cm inside, with 25class designation modular brick work in cement mortar 1:4 (1 cement : 4coarse sand) for sluice valve, with C.I. surface box 100 mm. top diameter,160 mm bottom diameter and 180 mm deep (inside) with chained lid. RCC top slab of Cement concrete grade M-20 (Nominal Mix with 20mm maximum size of stone aggregate) along with necessary excavation, 100mm thick foundation concrete grade M-7.5 (Nominal Mix with 40mm maximum size of stone aggregate) & inside plastering with cement mortar 1:3	25	EACH	5565	139125	5008.5	₹ 1,25,212.50
		TOTAL BUILDING WORK COST				82325419.76		₹ 7,40,92,877.78

ROAD WORK								
Serial NO	Reference No	Particular of item	Quantity	Unit	RATE	AMOUNT	Reduced rate	Reduced amount
		DISMANTLING /DEMOLISHING						
	UADD Vol. 2. 15.43 P-181	Dismantling manually/by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 meters lead as per direction of Engineer-in-charge :						
	15.43.2	bituminous road	1890	Sqm	85	160650	76.5	₹ 1,44,585.00
	UADD Vol. 2. 15.58 P-183	Demolishing C.C/R.C.C. work by mechanical means and stockpiling at designated locations and disposal of dismantled materials up to a lead of 1000m, stacking serviceable and unserviceable material separately including cutting reinforcement bars.						
		Some RCC work along the roads	56	Cum	810	45360	729	₹ 40,824.00
	UADD Vol. 2. 15.51 P-182	Dismantling of road gully chamber of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 meters lead including refilling the excavated gap.						
			5	Each	191	955	171.9	₹ 859.50
		DRAIN EXCAVATION						
	UADD SOR 2012 2.8 P-16	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 upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.						
	2.8.1	All kinds of soil						
		Excavation for Drain along the new road(both sides of the road)	586.8	Cum	129	75697.2	116.1	₹ 68,127.48
	UADD SOR 2012, Vol.2 .4.1 P-34	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering All work up to plinth						
	4.1.5	Cement concrete grade M-10 (Nominal Mix) with 40 mm maximum size of stone aggregate						
		PCC in Drain along the new road(both sides of the road)	97.8	Cum	3528	345038.4	3175.2	₹ 3,10,534.56
	UADD SOR 2012, Vol.2 5.2 P-46	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. up to floor two level excluding cost of centring, shuttering, finishing and reinforce cement						
	5.2.1	Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.						
		RCC in side walls of drain (2sidesX2 walls)	110.03	Cum	5050	555626.3	4545	₹ 5,00,063.63
		Reinforcement						
	, Vol.2 5.20 P-49	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire upto floor two level including all wastage etc. complete.						
	5.20.4	Hot rolled deformed bars Fe 415 grade						
		Steel providing @80Kg per Cmec of concrete	8802	Kg	60	528120	54	₹ 4,75,308.00
		Centring and Shuttering						
	, Vol.2 20.1 P-209	Centring and shuttering including strutting, propping etc. and removal of form for						
	20.12	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.						
		Centring and shuttering in side walls of drain (2X2sidesX2 walls)	2934	Sqm	216	633744	194.4	₹ 5,70,369.60
		ROADWAY EXCAVATION						
	UADD SOR 2012 Vol-iii 3.1	Excavation for roadway in soil including loading in truck for carrying of cut earth to embankment site with all lifts and lead upto 1000 metres and as per relevant clauses of section-300						
		For Widening of Carriageway						
		Ch. 0 to 815, = 815m	5990.25					
		Total	5990.25	cum	98.00	587044.5	88.2	₹ 5,28,340.05
	3.11, Vol III	Earthwork						

		Construction of Embankment/Sub grade/ earth shoulders, as per clause 305 & its sub-clauses, Where required but with approved materials/soil like morrum CBR value not less then 7% i/c all lead & lifts i/c excavation, cost of watering, mpaction and maintenance of surface during construction to ensure shedding & preventing ponding of water (clause 305.3.6) shaping & dressing (clause 305.3.7), finishing etc. complete but excluding scarifying existing granular/bituminous road surface vide clause 305.6.						
		For Widening of Carriageway						
		Ch. 0 to 815, = 815m	2852.50					
		Total	2852.50	cum	272.00	775880	244.8	₹ 6,98,292.00
	4.8(a) I Vol III	Crusher Run Macadam						
		Crusher Run Macadam Base (Providing crushed stone aggregate, depositing on a prepared surface by hauling vehicles, spreading and mixing with a motor grader, watering and compacting with a vibratory roller to clause 410 to form a layer of sub-base/Base)						
		For 53 mm maximum size						
		For Widening of Carriageway						
		Ch. 0 to 815, = 815m	1711.50					
		Total	1711.50	cum	833.00	1425680	749.7	₹ 12,83,111.55
	4.5 Vol III	WMM						
		Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub - base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density and as per relevant clauses of section - 400.						
		For Widening of Carriageway						
		Ch. 0 to 815, = 815m	1426.25					
		Total quantity	1426.25	cum	951.00	1356364	855.9	₹ 12,20,727.38
	5.1 Vol III	Primer Coat						
		Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.75 kg/sqm using mechanical / Manual means and as per relevant clauses of section 502.						
		For Widening of Carriageway						
		Ch. 0 to 815, = 815m	5705.00					
		Total quantity	5705.00	Sqm	26.00	148330	23.4	₹ 1,33,497.00
	5.2 (i) Vol III	Tack Coat						
		Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor on the prepared bituminous / granular surface cleaned with mechanical broom and as per relevant clauses of section 503.						
		@0.30 kg per sqm (dry & hungry bituminous surfaces/granular surfaces treated with primer)						
		For widening of carriageway	5705.00					
		Total quantity	5705.00	sqm	11.00	62755	9.9	₹ 56,479.50
	5.6 (i) Vol III	Dense Bituminous Macadam						
		Providing and laying dense bituminous macadam with hot mix plant batch using crushed aggregates of specified grading, premixed with bituminous binder, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction complete in all respects and as per relevant clauses of section-507. (Only cement will be used as filler) (for Grading I (80-100mm thickness) cum 7161.00)						
		widening part	570.50					
		Total quantity	570.50	cum	7161.00	4085351	6444.9	₹ 36,76,815.45
	5.8 (iv) Vol III	Bituminous Concrete						
		Providing and laying bituminous concrete with hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects and as per relevant clauses of section-509.(Only cement will be used as filler). iv) for Grading II (30-45 mm thickness) with 60/70 bitumen						
		widening part	228.20					

[illegible]

Estimate for Landscape Development at proposed OAT, Gwarighat, Jabalpur							
		Total Area	51230	Sqm	12.6 acres		
		Total Area under Landscape Scope	21479.5	sqm	5.3 acres		
S.No.	SOR Ref	Particular of item	Qty	Unit	Rate	Revised Reduced Rate**	Total Amount
1	19.1	Trenching in ordinary Soil upto a depth of 60 Cm including removal & Stacking of serviceable Material and then disposing of by speading and neatly leveling with in lead of 50m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water(excluding cost of imported earth,sludge or manure)	3713.01	CUM	129.00	116.1	4,31,080
2	19.2	Supplying & Stacking of good earth at site including royalty & carriage up to 1km(earth measured in stacks will be reduced by 20% for Payment)	7553.01	CUM	184.00	165.6	12,50,778
3	19.3	Supplying & Stacking Sludge at Site including royalty Carriage up to 1 km(sludge measured in stack will be reduced by 8% for payment)	5035.34	CUM	162.00	145.8	7,34,153
4	19.4.1	Supplying & stacking at site dump manure From Approved Source including carriage up to 1 km(manure Measured in stacks will be reduced by 8% for payment) screened through sieve of I.S.designation 20mm	5035.34	CUM	105.00	94.5	4,75,840
5	19.5	Rough dressing the trenched ground including breaking clods.	12376.7	100 SQM	42.00	37.8	4,678
6	19.6	Uprooting Weeds From the trenched Area after 10 to 15 Days of its Flooding with water including Disposal of Uprooted Vegetation.	12376.7	100 CUM	137.50	123.75	15,316
7	19.8	Spreading of Sludge ,Dump manure & good earth in required thickness (cost of sludge, dump manure or And good earth to be paid separately)	7553.01	CUM	15.00	13.5	1,01,966
9	MP PWD 23.10	Total Cast of Selection-one Grass (Carpet Grass)including Leveling shaping compaction work soil treatment, grass fixing charges cost of irrigation deweeding ,Hoeing & maintenance up to 90 Days					
	23.10.4	With Grass Turf	15680	100 SQM	3174.00	2856.6	4,47,915
10	19.13	Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1(8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50m lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	6328.38	CUM	62.00	55.8	3,53,124

11	19.14	Digging holes in ordinary Soil & refilling the					
	19.14.1	Holes 1.2 m dia and 1.2 m deep	150	EACH	182.00	163.8	24,570
	19.14.2	Holes 0.6 m dia and 0.6 m deep	2500	EACH	24.00	21.6	54,000
12	19.16	Providing and fixing M.S. flat iron tree guard 60cm dia. and 2m height above ground level formed of 4 nos. 25x6mm and 8 nos. 25x3mm vertical M.S. flats rivetted to 3 nos. 25x6mm M.S. flat iron rings in two halves, bolted together with 8mm dia. and 30mm long bolts including painting two coats with paint of approved brand and manufacture over a coat of priming, complete in all respects.	150	EACH	2037.00	1833.3	274995
13	19.19	Edging with bricks laid dry length wise including excavation, refilling, consolidating with hand packing and spreading neatly surplus earth within a lead of 50 m :					
	19.19.2	50 class designation.					
	19.19.2.1	chimney. Bricks	500	METER	34.00	30.6	15300
15	MP PWD 23.24	Preparation of mounds of various size and shape by available excavated/supplied earth in layers not exceeding 20 cm in depth, breaking clods, watering of each layer, dressing etc. lead upto 50m and lift upto 1.5 m complete as per direction of officer-in-charge	64000	CUM	153	137.7	8812800
		TREE BOTANICAL/COMMON NAME					
16	DSR 2016 ,Hotriculture 7.16/p165 (T1)	Supply and stacking of Cassia fistula (Amaltash) plant of height 120-135 cm. in big poly bags of size 25 cm as per direction of the officer-in-charge.assia fistula/Amaltas	15	EACH	60	54	810
17	DSR 2016 , 10304/p-49 (T2)	Kigelia pinnata of plants height 150-165 cm. in big poly bags of plantssize25 cm pinnata	10	EACH	80	72	720
18	DSR 2016 ,Hotriculture 7.24/p165 (T3)	Supply and stacking of Delonix regia (Gulmohar) plant of height 150-165 cm. in big poly bags of size 25 cm as per direction of the officer-in-chargeJacaranda Mimisfolia/Neeli Gulmohar	20	EACH	60	54	1080
19	DSR 2016 ,Hotriculture 7.50/p165 (T4)	Supply and stacking of Lagerstroemia flosreginae plant of height 150-165cm.in big poly bag of size 25 cm as per direction of the officer-in-charge.Lagerstroemia speciosa/Jarul	20	EACH	120	108	2160
20	DSR 2016 ,Hotriculture 7.9/p165 (T6)	Supply and stacking of Bombax ceiba plant of height 150-165 cm. in big poly bags of size 25 cm as per direction of the officer-in-charge. Bombax ceiba/Silk cotton Tree	10	EACH	70	63	630
21	DSR 2016 ,Hotriculture 10324/p-35 (T8)	Plumeria alba of plants height 120-135 cm. with 2-3 branchesin bags of plants size 30 cmPlumeria alba/Champa	20	EACH	120	108	2160

22	DSR 2016 Hotriculture 10346/P-53 (T9)	Supply and stacking of plant Bauhinia acuminata height 60-75 cm. in earthen pots of size 20 cm Bauhinia blackeana/variegata/Kachnar	20	EACH	45	40.5	810
23	DSR 2016 ,Hotriculture 7.55/p169 (T10)	Supply and stacking of Michelia champa (Golden Champa)plant of height90-105 cm. in earthen pots of size 25 cm as per direction of the officer-incharge.Michelia champaca/Champak	15	EACH	90	81	1215
24	DSR 2016 10259/p-43 (T15)	Alstonia scholaris of plants height 150-165 cm. in bag of plants size 25 cmAlstonia Scholaris/Saptapasrni	10	EACH	60	54	540
25	DSR 2016 ,Hotriculture 10315/p-49 (T19)	Naucllea cadamba (Kadam) of plants height 150- 165 cm. in big poly bag of plants size 25 cmAnthocephalus	10	EACH	60	54	540
26		PALM TREES					
27	DSR 2016 ,Hotriculture 7.44 /p-352 (P1)	Supply and stacking of Foxtail palm plant of ht. 240-270 cm bottom girth 35-40 cm welldeveloped in big size HDPE bags as per direction of the officer-in-charge. Wodeytia Bifurcata	5	EACH	650	585	2925
28	DSR 2016 ,Hotriculture 7.41 /p-351 (P2)	Supply and stacking of Fishtail palm plant of ht. 270-300 cm bottom girth 40-50 cm well developed in big size HDPE bags as per direction of the officer-in-charge(Royal palm)	5	EACH	550	495	2475
29	DSR 2016 ,Hotricultur 5.37/p-328 (P4)	Providing and Displaying Phoenix roebelenii palm well developed having 20 to 25 fresh &healthy leaves 90 to 105 cm ht. in 30 cm Cement Pot as per direction of the officer-in- chargePhoenix Roebelenii	6	EACH	513	461.25	2767.5
		Supply & Planting of Shrubs					
30	DSR 2016 ,Hotriculture 9.4/P-385 (S1)	Supply and stacking of Bougainvillea (Variety Butiana, Lady Mary Baring,Mahara,Mohan,Scarlet Queen, Varigata, Glabra Formosa, Peruviana Odissi, Partha,Subhra,Thimma, Spectabilis L.N Birla, Refulgens) plant of height 30 cm. to 45 cm. with 2-3branches in 20 cm size of Earthen pots / Plastic pots & as per direction of the officer- incharge.	180	Each	35	31.5	5670
31	10411 P-49 (S2)	Supply and stacking of plant Tecoma gaudichaudi of height 60-75 cm.with 5-6 branches in p.bag of size 25 cmTecoma guadichaudi/Yellow bells	400	Each	50	45	18000
32	10389 P-58 (S3)	Supply and stacking of plant Murraya exotica of height 45-60 cm. inpoly bags of size 15 cmMurraya exotica/Jasmine, Kamini	300	Each	15	13.5	4050
33	DSR 2016 ,Hotriculture 5.19/p149 (S4)	Providing and Displaying Euphorbia milli hybrid variety plant with multi branch, full bloom, with fresh and healthy well developed having 30 to 45 cm ht. in 35 cm Cement Pots as per direction of the officer-in-charge.Euphorbia milii/Crown of Thorns	250	Each	615	553.5	138375

34	DSR 2016 ,Hotriculture 8.28/P-371 (S5)	Supply and stacking of plant Gardenia jasminoides of height 45-60 cm. with 3-4 branches in earthen pots of size 20 cm as per direction of the officer-in-charge.Gardenia jasminods/Cape Jasmine	175	Each	50	45	7875
35	DSR 2016 ,Hotriculture 8.30/P-371 (S6)	Supply and stacking of plant Hamelia patens of height 60-75 cm. with 6-8 branches in poly bags of size 25 cm as per direction of the officer-in-charge. Ixora coccinea	400	Each	50	45	18000
36	DSR 2016 ,Hotriculture 8.36/P-372 (S7)	Supply and stacking of plant Hibiscus variegated of height 45-60 cm. with 3-4 branches and healthy variegated foliage in earthen pots of size 20 cm as per direction of the officer-incharge.Canna indica variegated	95	Each	40	36	3420
37	DSR 2016 ,Hotriculture 5.2/P-319 (S8)	Providing and Displaying Acalypha green well developed, fresh & healthy with good foliage, multi branch 30 to 45 cm ht. in 20 cm size Earthen Pot/ Plastic Pot bushy plant as per direction of the officer-in-charge. Acalypha green	75	Each	31	27.675	2075.625
38	DSR 2016 ,Hotriculture 8.67/P-380 (S10)	Supply and stacking of plant Tecoma gaudichaudi of height 90-105 cm.,bushy in big size HDPE bag as per direction of the officer-in-charge.Tecoma capensis/Cape Honeysuckle	50	Each	110	99	4950
39	DSR 2016 ,Hotriculture 10079/P-19 (S11)	Providing of Raphis palm plant, having ht. 75 cm to 90 cm with 12 to 15 equal suckers, well developed, full of fresh & healthy leaves from bottom to top in 25 cm size Earthen pot / Plastic pot.Raphis excelsa/Raphis Palm	40	Each	450	405	16200
40	DSR 2016	Supply and stacking of plant Nerium oleander	40	Each	60	54	2160
41	DSR 2016	Supply and stacking of plant Mussaenda	10	Each	100	90	900
42	DSR 2016 ,Hotriculture 10397/P-59 (S14)	Supply and stacking of plant Nyctanthes arbor-tristis (Hasingar) of ht. 90-105 cm in Earthen pots of size 20 cmNyctanthes arbor-tristis/Harshingar	30	Each	40	36	1080
43	DSR 2016 ,Hotriculture 8.23/P-370 (S15)	Supply and stacking of plant Ficus reginold well branched, bushy of height 60-75 cm. in earthen pots of size 25 cm. Hymenocallis littoralis/Spider Lily	300	Each	100	90	27000
44	DSR 2016 ,Hotriculture 3.75/P-125 (S3)	Providing and displaying of Sanchezia nobilis plant, having ht. 30 cm & above, well developed with fresh & healthy foliage in 20 cm size of Earthen pot / Plastic pot & as per direction of the officer-in-charge.	300	Each	35.9	32.31	9693
45	DSR 2016 ,Hotriculture 3.81/P-125 (S9)	3.81 Providing and displaying of Syngonium Variegated plant, mounted on moss stick 90 cm ht., 3 to 4 plants placed in each pot at equal distance, well developed with full of fresh & healthy leaves from bottom to top in 25 cm size of Earthen pot / Plastic pot & as per direction of the officer-in-charge.	300	Each	184.5	166.05	49815

46	DSR 2016 ,Hotriculture 5.9/P-147 (S9)	Providing and Displaying Bamboo Buddha Valley with fresh & healthy 5 to 6 suckers 1.80 m to 2.10m ht umbrella type plant well developed in 50 cm Cement Pot as per direction of the officer-in-charge.	50	Each	1435.0	1291.5	64575
		LIST OF CLIMBER					
47	DSR 2016 ,Hotriculture 6.7/P-334 (C1)	Providing and Displaying of Clerodendron inerme plant of ht. 30 cm to 40 cm multi branched in 25 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge. Clerodendron splendens	30	Each	21	18.45	553.5
48	DSR 2016 ,Hotriculture 6.30/P-340 (C2)	Providing and Displaying of Wadelia trilobata plant,full of leaves in 15 cm size of Poly bags & as per direction of the officer-in-charge.Wedelia trilobata	400	Each	15	13.86	5544
49	DSR 2016 ,Hotriculture 9.12/P-387 (C3)	Supply and stacking of Quisqualis indica plant of height 30 cm to 45 cm. in 20 cm size of(.Quisqualis indica)	26	Each	25	22.5	585
		SEASONAL				0	0
50	DSR 2016 ,Hotriculture 10.1.25 / P-395	PETUNIA (area=300m2,plantation @150mmc/c. No of plant 50 ,in 1m2 area; total plant =15000no,)	15000	Each	6	5.4	81000
51	DSR 2016 ,Hotriculture 10.1.20 / P-394	Marigold French Hybrid dwarf (Marigold)Marigold inca hybrid(area=500m2;@300mmc/c,no of plant in 1 m2 =16no;total plants=8000	8000	Each	4	3.6	28800
52	DSR 2016 ,Hotriculture 10172 / P-31	Providing Plant Sunflower single well developed 8 to 10 half bloom buds multi branched in fresh & healthy full stacked with green painted bamboo stick stacking in 25 cm Earthen Pot/Plastic Pot.(area=250m2,@900mmc/c;in 1m2 no of plant =2no;total plant 500	500	Each	60	54	27000
53	DSR 2016 ,Hotriculture 10180 / P-31	Providing Plant Standard Rose (H.T. variety) 3 to 4 healthy branch 90 cm and above ht. well developed with one and above flowers in 25 cm Earthen Pot ,Rose(area for rose 400m2 plantation @300mmc/c;16 plant in 1m2;total plant 64000	6400	Each	140	126	806400
		GROUND COVER/SPACING					
54	DSR 2016 ,Hotriculture 6.11/P-335 (G1)	Providing and Displaying of Dianella variegated plant, with 3 to 4 variegated leaves in 20 cmsize of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge. /(150mm c/c)for the area 326m2	5000	Each	31	27.675	138375
55	DSR 2016 ,Hotriculture 6.16/P-337 (G2)	Providing and Displaying of Iresine herbstii plant, of height 20-30 cm. full of branches well developed in 15 cm size of Earthen Pot / Plastic Pot & as per direction of the officer-in-charge.Iresine herbstii/(150mm c/c) for the area 207m2	8000	Each	15	13.86	110880
56	DSR ,Hotriculture 10.1.11/P-392 (G4)	Cineraria dwarf hybrid; for the area of 812 m2 ,per meter square no of plants are 45 ;hence no of plant=812x45=36540	15000	Each	7	6.3	94500

[illegible]