	Madhya Pradesh State Tourism Development Corporation	on (MPSTDC)	
	Orchha: A Medieval Splendour 2.0		
	Summary		
Sno	Components	Break-up Cost	Total Cost
		(in Lakh)	(in Lakh)
1	Tourist Experience Centre		663.97
1.1	Part-A Based on PWD SOR -2024	1,75,13,273.30	
1.2	Part- B Non SOR Civil	2,25,24,677.33	
1.3	Part-C Based on Electrical SOR -2024	87,87,011.96	
1.4	Part- D Non SOR Electrical	1,75,72,363.00	
2	Entry Plaza for Bridge		89.70
2.1	Part-A Based on PWD SOR -2024	11,70,536.98	33.70
2.2	Part- B Non SOR Civil	16,06,088.00	
2.3	Part-C Based on Electrical SOR -2024	12,32,545.00	
2.4	Part- D Non SOR Electrical	49,60,380.00	
2.4	Tutt D Non Son Electrical	+3,00,300.00	
3	Orchha City Experience: Heritage Streetscaping		906.54
	(façade control along two Major Axes not Covered in Iconic)		
3.1	Part-A- Based on Archaeology, Archives and Museums SOR 2022	54,80,886.13	
3.2	Part-B Based on PWD SOR -2024	1,31,16,680.23	
3.3	Part C PWD SOR 2024 Electrical	1,01,13,678.00	
3.4	Part-D Based on PWD Road SOR -2025	30,11,234.00	
3.5	Part- E Non SOR Civil	3,48,82,968.16	
3.6	Part- F Non SOR Electrical	2,40,48,590.00	
5	Hop-On Hop-Off Services for Tourist		136.01
5.1	Part- A Non SOR Electrical	1 26 01 221 00	130.01
5.1	Part- A NOII SOR Electrical	1,36,01,321.00	
6	Website and App Development		131.83
6.1	Part- A Non SOR Electrical	1,31,83,140.00	
7	Skill Davidanment Training		20.04
7.1	Skill Development Training Part- A Non SOR	29,94,000.00	29.94
/.1	Part- A NOTI SOR	29,94,000.00	
8	Skill Development Training		58.05
8.1	Part- A Non SOR	58,05,000.00	
F		Sub Total	2,016.04
		GST @18% on F	362.89
		Architect @2% on F	40.32
		tingency @3% on F	60.48
	A	dd DMO @1% on F	20.16
		Grand Total	2499.89

150   100		Madhya Pradesh State Tourism Development Corporation (MPSTDC)  Orchha: A Medieval Splendour 2.0  Measurement Book: Tourist Experience Centre  5. No.   Item   Sub   Item Name   ITEMS / DESCRIPTION   NO   L   B   H   Qty.   Unit   Rate   Amount													
A	S. No.	1		Item Name			L	В	Н	Qty.	Unit	Rate	Amount		
1	Δ	No.	Item No		Part-A Rased on PWD SOR -2024										
March 2016		2.1		Surface											
Control Cortic Agricultural   1.00   70.00   2.000   1.35.00	1			dressing											
						1.00	25.00	23.00		575.00					
Note						1.00	40.00	30.00							
College for fire Aminos															
1   1   1   1   1   1   1   1   1   1															
Centrol   Selection of an information of months (and in a formation of an information of a selection of a											100 Sqm	803.00	41,707.82		
Service Lobby	2	2.2			saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal										
					Tourist Centre & open area	1.00	25.00	23.00		575.00					
Continues for Articles   100   1500															
2															
Section   Sect											100 Sqm	414.00	21,503.16		
Column	3	2.6		1	areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including dressing of sides and ramming of bottom disposal of excavated earth, lead up to 50m and lift up to 1.5m, disposed earth to be levelled and neatly dressed. (No extra lift is payable if										
Column					'Tourist Centre Wall										
Pathwey   1.00   32.00   3.30   3.60   59.40															
100   1200   1200   1405   1405   1406   1															
					Patriway										
Semi-open Lobby															
Semi-Open Lobby						1.00	10.00	3.30	0.60	19.80					
Shops Column					Hunarsnaia										
Cafe area for Artists					Shops Column										
Husenshala Column					Entry	1.00	6.00	12.50	0.6	45.00					
No.															
100   348.0   369.0   18   37.58															
No.															
1.00															
1.00   55.40   1.80   0.9   88.75															
1.00   55.40   0.05   0.45   14.96															
100   62.50   1.80   0.45   50.63   1.80   0.45   50.63   1.80   1.475.41   1.80.22															
Solid Soli															
2.7   Ordinary rock   Say															
2.7   Ordinary rock   Earth work in excavation/ by mechanical means (Hydraulic Excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including dressing of sides and ramming of bottom disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed												447.00	1 72 150 00		
A		2 7		Ordinary rock	·					1,180.00	cum	147.00	1,/3,460.00		
2.24   Filling available excavated earth (excluding hard rock/Ordinary 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.    2.26	4			oramary rock	over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including dressing of sides and ramming of bottom disposal of excavated earth, lead up to 50 m and										
Say			2.7.1	OR											
Second   Filling available   Second															
Solution   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.   1,032.50 cum   95.00 98,087.50		2 24		Filling						295.00	cum	287.00	84,665.00		
2.26   Under floor filling stone dust   Supplying and filling in plinth with crusher stone dust / coarse sand under floors including, watering, ramming and compacting in layers not exceeding 20cm in depth and dressing complete Note: - Maximum thickness of this layer shall be 20 cm.   1.00   15.00   20.00   0.15   45.00     45.00     45.00     45.00     45.00     45.00	5	2.24		available excavated	sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each										
6         filling stone dust         watering, ramming and compacting in layers not exceeding 20cm in depth and dressing complete Note: - Maximum thickness of this layer shall be 20 cm.         1.00         15.00         20.00         0.15         45.00         45.00           8         Pathway         1.00         30.00         3.30         0.15         14.85         14.85           9         1.00         22.70         2.50         0.15         8.51         15.00           10         1.00         1.00         1.00         2.50         0.15         3.75         15.00           10         1.00         1.00         1.00         3.30         0.15         4.50         15.00					* * *					1,032.50	cum	95.00	98,087.50		
Pathway   1.00   30.00   3.30   0.15   14.85	6	2.26		filling stone	watering, ramming and compacting in layers not exceeding 20cm in depth and dressing										
1.00   22.70   2.50   0.15   8.51													_		
1.00   10.00   2.50   0.15   3.75					Pathway										
1.00   10.00   3.30   0.15   4.95															
1.00   1.00   3.00   0.15   4.50															
Entry   1.00   6.00   12.50   0.15   11.25												+			
Hunarshala 1.00 15.00 20.00 0.15 45.00					·	1.00	6.00	12.50		11.25					
					Hunarshala Semi-Open Lobby	1.00	15.00 12.50	20.00 14.10	0.15 0.15	45.00 26.44					

				Stage	1.00	5.00	9.00	0.15	6.75			
				c					182.97		572.00	1 22 275 22
$\vdash$				Say					183.00	cum	672.00	1,22,976.00
	2.27		Under floor	Supplying and filling in plinth under floors including watering ramming consolidating in								
7			filling	layers not exceeding 20cm in depth and dressing complete.								
		2.27.1	Hard murram	With hard muram having CBR >12 % at under floors including watering, ramming and								
7.1			hard copra	compacting (minimum compaction 95% of MDD) in layers not exceeding 20cm in								
				thickness and dressing complete. (Note:- maximum thickness of this layer to be provided shall be 30cm								
				'Tourist Centre Floor	1.00	15.00	20.00	0.45	135.00			
				Pathway	1.00	30.00	3.30	0.45	44.55			
					1.00	22.70	2.50	0.45	25.54			
					1.00	10.00	2.50	0.45	11.25			
					1.00	10.00	3.30	0.45	14.85			
					1.00	10.00	3.00	0.45	13.50			
				Entry	1.00	6.00	12.50	0.45	33.75			
				Crafts area for Artists	1.00	21.00	3.80	0.45	35.91			
				Hunarshala	1.00	15.00	20.00	0.45	135.00			
				Semi-Open Lobby	1.00	12.50	14.10	0.45	79.31			
				Stage	1.00	11.00	21.50	0.45	106.43			
									635.09			
	2.22		Dra sanaturat	Say					635.00	cum	393.00	2,49,555.00
	2.32		ion anti-	Preconstruction anti-termite treatment to the building under construction by providing.								
			termite			1						
L		<u> </u>	treatment			<u></u>						
				Stage 1: Treating the bottom and the sides (upto 30 cm height of the excavated trench @								
				5 litres per sqm of the surface area.		1						
				Stage 2: After masonry/RCC work, the backfill in the immediate contact with the		1						
				foundation structure treatment @ 7.5 litres per sqm. Of the vertical surface of the substructure for each side.		1						
				Stage 3: surface treatment by spreading emulsion over the plinth area before laying the								
				base concrete under floors @ 5.0 litres/Sqm.		1						
				Stage 4: Pumping the emulsion in plinth masonry on filling side at floor junction @ 7.5								
				litres/Sqm								
				Stage 5: Pumping the emulsion from outer side of the plinth below ground around the								
				masonry @ 5.0 litres/Sqm as per I.S. 8944 Emulsion. (1Chlorpyrifos: 19 water) with five years service guarantee (Measurements to be taken for plinth area)								
				Note – Treatment should start when foundation trenches and pits are ready to take bed								
				concrete or levelling course in foundations. Lying of bed concrete should start when the								
				chemical emulsion has been absorbed by the soil and the surface is reasonably dry.								
				Treatment should not be carried out when it is raining or when soil is wet with rain or								
				subsoil water. This also applies to fill up soil within the plinth area before laying the								
				subgrade for flooring.								
				'Tourist Centre	1.00	15.00	20.00		300.00			
$\vdash$				Hunarshala	1.00	15.00	20.00	0.45	135.00			
				Semi-Open Lobby	1.00	12.50	14.10	0.45	79.31			
				Semi open costy	1.00	12.50	14.10	0.43	514.31			
				Say					514.00	Sqm.	136.00	69,904.00
				,								,
11	4.1		C.C. upto	Providing and laying in position cement concrete of specified grade excluding the cost of								
11				centering and shuttering - All work upto plinth level								-
		4.1.1	With 20mm	With 20mm nominal size graded stone aggregate								
		4.1.1.3	metal M-15	M-15 – Grade concrete								
		*.1.1.3	13	'Tourist Centre Floor	1.00	15.00	20.00	0.15	45.00			
				Hunarshala	1.00		20.00	0.15	45.00			
				Semi-Open Lobby	1.00		14.10	0.15	26.44			
				Stage	1.00	5.00	9.00	0.15	6.75			
									123.19			
									123.00	cum	4471.00	5,49,933.00
		4.1.2	With 40 mm	With 40mm nominal size graded stone aggregate.								
		4425	metal	MA 40N and to all (Min 4 Company) 2 and 5								-
		4.1.2.2	M-10	M-10Nominal (Mix-1 Cement : 3 sand : 6 graded stone aggregate )		20.00	2.22	6.15	4			
$\vdash$				Pathway	1.00		3.30	0.15	14.85			
$\vdash$					1.00		2.50	0.15	8.51			
$\vdash$					1.00	10.00 10.00	2.50 3.30	0.15 0.15	3.75 4.95			
$\vdash$					1.00		3.00	0.15	4.95			
				Tourist Centre Long Wall	2.00	20.00	0.60	0.15	3.60			
				Short Wall	2.00	15.00	0.60	0.15	2.70			
				Columns	20.00		1.80	0.15	6.48			
				Pathway	1.00	30.00	3.30	0.15	14.85			
				Columns 'Hunarshala & open lobby	24.00	1.20	1.80	0.15	7.78			
				Shops Column	38.00	1.20	1.20	0.15	8.21			
				Hunarshala Wall	2.00	20.00	0.60	0.15	3.60			
					2.00	15.00	0.60	0.15	2.70			
				Semi-Open Lobby	2.00		0.60	0.15	2.25			
				Shops	15.00	2.40	2.40	0.15	12.96		I	
											l .	
				OAT	1.00	36.60	1.20	0.15	6.59			
					1.00	36.60 43.50	1.20	0.15	6.59 7.83			
					1.00 1.00	36.60 43.50 50.60	1.20 1.20	0.15 0.15	6.59 7.83 9.11			
					1.00 1.00 1.00	36.60 43.50 50.60 57.60	1.20 1.20 1.20	0.15 0.15 0.15	6.59 7.83 9.11 10.37			
					1.00 1.00	36.60 43.50 50.60 57.60 64.70	1.20 1.20	0.15 0.15	6.59 7.83 9.11			

									182.70			
									183.00	cum	3,808.00	6,96,864.00
	5.1		RCC upto	Providing and laying in position specified grade of reinforced cement concrete (nominal /								
			plinth	design mix with 20mm nominal size graded stone aggregate) excluding the cost of								
				centering, shuttering, finishing and reinforcement- All work up to plinth level :								
		5.1.1	M-20	M-20 Grade Concrete								
		5.1.1	20	Footing forTourist center	20.00	1.20	1.80	0.6	25.92			
				Footing for Hunarshala & open lobby	24.00	1.20	1.80	0.6	31.10			
	-			Shops Column		1.20	1.20	0.6	32.83			
				Shops Column	38.00	1.20	1.20	0.6	32.83 89.86			
				Cov.							6452.00	F F2 770 0
			000: "	Say					90.00	cum	6153.00	5,53,770.0
	5.2		RCC in walls, columns,	Reinforced cement concrete work (with 20 mm nominal size graded stone aggregate) in walls (any thickness), including attached pilasters, buttresses, plinth and string courses,								
12			pillars etc	fillets, columns, pillars, posts and struts etc. above plinth level and upto floor two level								
			pinarsete	excluding cost of centering, shuttering, finishing and reinforcement								
		5.2.1	M-20	M-20 Grade Concrete								
				Columns	20.00	0.45	0.30	0.6	1.62			
				Wall RCC wall	4.00	15.00	0.20	0.75	9.00			
				Short Wall	4.00	20.00	0.20	0.75	12.00			
				Columns for Hunarshala & open lobby	24.00	0.45	0.30	0.6	1.94			
				open lobby Wall	2.00	12.50	0.20	0.75	3.75			
	1	1	1	openiossy wan	2.00	12.30	0.20	0.73	28.31			
											C F82 00	1 04 206 0
	F 2		DCC in became	Deinforced compart concrete work (with 20 man personal size graded stone aggregatelin					28.00	cum	6,582.00	1,84,296.0
	5.3		RCC in beams, floors,	Reinforced cement concrete work (with 20 mm nominal size graded stone aggregate) in beams, suspended floors, roofs having slope of any degree landings, balconies, shelves,								
			staircases etc.	chajjas, lintels, bands, plain window sills, staircases and spiral staircases above plinth level								
			stancases etc.	and upto floor two level excluding the cost of centering, shuttering, finishing and								
				reinforcement in concrete grade.								
		5.3.1	M-20	M-20 Grade Concrete								
				Plinth Beam	2.00	15.00	0.45	0.23	3.11			
					2.00	20.00	0.45	0.23	4.14			
				Patyway Beam	8.00	3.30	0.3	0.3	2.38			
					4.00	3.80	0.3	0.3	1.37			
				Plinth Beam Hunarshala & open lobby	2.00	15.00	0.45	0.23	3.11			
					2.00	20.00	0.45	0.23	4.14			
					2.00	12.50	0.45	0.23	2.59			
									20.82	cum	6541.00	1,36,193.43
												,,
	5.9		Centering and	Centering and shuttering in cluding strutting, propping etc. and removal of form for:								
14			Shuttering	, , , , , , , , , , , , , , , , , , ,								
			_									
15		5.9.1	Upto plinth	Foundations, footings, bases of columns, etc. for concrete upto plinth level								
				bases of columns	2.00	20.00	0.45	0.6	10.80			
					2.00	20.00	0.30	0.6	7.20			
				Footings	4.00	20.00	1.20	0.6	57.60			
				Foundations	2.00	15.00		0.75	22.50			
					2.00	20.00		0.75	30.00			
				bases of columns	2.00	24.00	0.45	0.6	12.96			
					2.00	24.00	0.30	0.6	8.64			
				Footings	4.00	24.00	1.20	0.6	69.12			
				Foundations & Hunarshala & open lobby	2.00	15.00		0.75	22.50			
					2.00			0.75	30.00			
									271.32	Sqm	190.60	51,713.5
			1			1						
	5.9.2			Walls (any thickness) in cladding attached pilasters butter esses, plinth beams and string		1						
				courses etc.								
		5.9.2.1	Upto plinth	Upto plinth level.								
			level									
				Plinth Beam	4.00	15.00		0.3	18.00			
					4.00	20.00		0.3	24.00			
					4.00	12.50		0.3	15.00			
									42.00	Sqm	219.00	9,198.00

	5.16		Reinforcemen	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in								
			t	position and binding including cost of binding wire all wastages and overlaps, couplers								
				(overlaps shall be provided as per requirement of IS 13920 for ductile detailing IS 456 RCC								
				Design & SP 34 Reinforcement detailing ) etc. complete .								
16				(Note:- 1. Spacer bars (chairs) shall be paid separately as shown in the drawing and as per								
				direction of engineer in charge.								
				2. No extra payment shall be done for overlaps and/or couplers.								
				3.Couplers shall be conforming to IS code on "Reinforcement Couplers for Mechanical								
	-	5.16.6	TMT/TMX	Splices of Bars for Concrete Reinforcement - Specification")			139.14					
		5.16.6	TIVIT/TIVIX	Thermo-Mechanically Treated bars. (TMT/TMX) FE 500 or more conforming to IS 1786			139.14	120.00	16696.26			
				Say					16696.00	Kg	80.00	13,35,680.00
-												.,,
				Random rubble masonry with hard stone in foundation and plinth including leveling up								
	7.		RR masonry ir	with cement concrete 1:6:12 (1 cement :6 sand : 12 graded stone aggregate 20mm								
	7.1		foundation and plinth	nominal size) at plinth level with :								
			and piliti									
		7.1.1	Cement	Cement mortar 1:6 (1 cement : 6 sand)								
		/	mortar 1:6									
				OAT	1.00	36.60	0.90	1.2	39.53			
					1.00	43.50	0.90	1.65	64.60			
					1.00	50.60	0.90	1.65	75.14			
					1.00	57.60	0.90	1.65	85.54			
					1.00	64.70	0.90	1.65	96.08			
					1.00	4.80	9.10	0.6	26.21			
					1.00	56.00	0.75	1.2	50.40			
									437.49	Cum	4,147.00	18,14,271.03
			RR masonry ir	Random rubble masonry with hard stone in superstructure above plinth level and upto		[						
	7.		superstructur	floor two level, including leveling up with cement concrete 1:6:12 (1 cement: 6 sand: 12								
	7.2		e upto floor	graded stone aggregate 20mm nominal size) at window sills, ceiling level and the like.		[						
			two			[						
<u> </u>			Cement	Cement mortar 1:6 (1 cement : 6 sand)								
		7.2.1	mortar 1:6	Comencinorea 1.0 (1 cement o Sallu)		[						
		1	5 1.0	OAT Wall	1.00	56.00	0.45	4	100.80	Cum	4,351.00	4,38,580.80
					1.50	1			_50.00		.,551.50	.,23,333.00
				Stone work, plain in copings, cornices, string courses and plinth courses, upto 75 mm								
			Stone work in	thick in Cement mortar 1:6 (1 cement : 6 sand) including pointing with white cement								
			copings,	mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the								
	7.3		cornices,	stone shade								
			string courses									
			and plinth courses									
			courses									
		7.30.1	Red stone	Red sand stone								
				OAT	1.00	36.60	0.70	0.075	1.92			
					1.00	43.50	0.70	0.075	2.28			
					1.00	50.60	0.70	0.075	2.66			
					1.00	57.60	0.70	0.075	3.02			
					1.00	64.70	0.70	0.075	3.40			
					1.00	4.80	9.10	0.075	3.28			
									16.56			
									17.00	Cum	13,187.00	2,24,179.00
				Providing and fixing factory made UPVC door frame made of UPVC extruded sections								
				having an overall dimension as below (tolerance ±1mm), with wall thickness 2.0 mm (±								
			UPVC door	0.2mm), corners of the door frame to be Jointed with galvanized brackets and stainless								
20	9.158		frame wall thickness	steel screws, joints mitred and Plastic welded. The hinge side vertical of the frame reinforced by galvanized M.S. tube of size 19 X 19mm and 1mm (± 0.1 mm) wall thickness								
			2.0mm	and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers								
			2.0	specification and direction of Engineer-in-charge:								
						<u> </u>	l				<u> </u>	
		9.158.2	42x50 mm.	Extruded section Profile size 42x50 mm.								
				Door (750mm)	4.00	4.95			19.80			
				Door (900mm)	9.00	5.10			45.90			
				Door (1050mm)	1.00	5.25			5.25			
				Door (1200mm)	1.00	5.40			5.40			
				Door (3000mm)	4.00	11.40			45.60			
									121.95			
				Say					122.00	Meter	208.00	25,376.00
				Providing and fixing UPVC panelled door shutter UPVC 30 mm thick factory made PVC or								
				UPVC door shutter made of styles and rails of a UPVC hollow section of size 60x30 mm		[						
				and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side.		1						
				The styles and rails mitred and joint at the corners by means of M.S. galvanised/plastic		1						
				brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The		1						
				styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a UPVC hollow section		1						
			Panelled door	of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by		[						
21	9.16		shutter UPVC	means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a UPVC multi-		[						
'			30	chambered single panel of size not less than 620 mm, having over all thickness of 20 mm		[						
			mm thick	and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places		[						
				by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers,		1						
				complete as per manufacturer's specification and direction of Engineer-in-charge.		[						
						[						
						[						
						[						
-	-	-		Door (750mm)	4.00	0.75		3.40	6.20			
		1		Door (750mm)	4.00	0.75		2.10	6.30			
				Door (900mm)	9.00	0.90 1.05		2.10	17.01			
<u> </u>		1		Door (1050mm)	1.00	1.05		2.10	2.21			
-				Door (1200mm)	1.00			2.10	2.52			
			L	Door (3000mm)	4.00	3.00		2.10	25.20			

1.0													
1.0													
27.2   27.5					Say					53.00	sqm	2,026.00	1,07,378.00
27.2   27.5													
273   273   273   273   274   275	22	9.77			Providing and fixing bright finished brass butt hinges with necessary screws etc. complete								
278   278		9.77.3		100x5.5	100x85x5.5 mm (heavy type)	52.00				52.00	each	387.00	20,124.00
2.9   3.9.3   2.00m   20.00   20.00 m   20.00 m   20.00 m   27.00	23	9.79		Brass tower									
1			9.79.3			22.00				22.00	each	261.00	5,742.00
1	24	0.0		Brass door	Providing and fixing bright finished brass door latch with necessary screws etc. complete.								
25   2,81		3.8											
19   19   19   19   19   19   19   19			9.80.2	250mm		22.00				22.00	each	225.00	4,950.00
Providing and fining furth finished that sail 30 mm mortical tests and lock with 6 leven said such and lock guality.   Providing and fining further with recessary screws etc. complete (pett make of approved the leven handles with recessary screws etc. complete (pett make of approved the leven handles with recessary screws etc. complete (pett make of approved the leven handles with recessary screws etc. complete (pett make of approved the leven handles with recessary screws etc. complete (pett handles with the leven handles with recessary screws etc. complete (pett handles with the leven handles with recessary screws etc. complete (pett handles with the leven handles with recessary screws etc. pett fixed placed window upos 1.50 mm in height dimension and leven the leven handles with the leven	25	9.81											
22.00   29.33			9.81.1	125 mm		24.00				24.00	each	205.00	4,920.00
Providing and fixing factory made UPVC white colour sliding glased window upto 1:00 m in legist dimension comprising of UPVC multi-chambered frame with in- but roller tack and such control for legist dimensions comprising of UPVC multi-chambered frame with in- but roller tack and such control for legist dividences with 1:50 ± 2 m m the special registery of the Paly, 6.1 m m to receive the legist provided in the provided in t	26	9.83		latch and lock	a pair of lever handles with necessary screws etc. complete (best make of approved	22.00				22.00	each	539.00	11,858.00
1				lever namales									
28   9.197.1	27	9.197		white colour sliding glazed	in height dimension comprising of UPVC multi-chambered frame with in- built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to UPVC profile), appropriate dimension of UPVC extruded glazing beads and UPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealent over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealent shall be paid separately) Note: - For UPVC frame, sash and mullion extruede profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.								-
Second   S	28		9.197.1	panels sliding	having wall thickness of $1.9\pm0.2$ mm and single glazing bead of appropriate dimension.								
Second   S					Window	10.00	1 20		1 8	21 60			
Providing and fixing frame work for partitions/ wall lining etc. made of 50x50x1.6mm   Providing and fixing frame work for partitions/ wall lining of hollow M5 tube, placed along the walls, ceiling and floor in a grid pattern with spacing @ 60 cm centre to centre both wasy (vertically and horizontally) or at required spacing near opening, with necessary welding at junctions and fixing the frame to wall/ceiling/floors with steel dash fasteners of 8 mm dia, 75 mm long bolt, including making provision for opening for doors, windows, electrical conduits, switch boards etc. including providing with two coats of approved steel primer etc. complete, all as per direction of Engineer-in-charge.    Wall partitions						10.00	1.20		1.0		sam	5.060.00	5,060.00
1     1     1     332.64     332.64     332.64       2     1 <td>30</td> <td>9.143</td> <td></td> <td>for partitions/ wall lining of hollow MS</td> <td>hollow MS tube, placed along the walls, ceiling and floor in a grid pattern with spacing @ 60 cm centre to centre both ways (vertically and horizontally) or at required spacing near opening, with necessary welding at junctions and fixing the frame to wall/ ceiling/ floors with steel dash fasteners of 8 mm dia, 75 mm long bolt, including making provision for opening for doors, windows, electrical conduits, switch boards etc., including providing with two coats of approved steel primer etc. complete, all as per direction of Engineer-in-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	30	9.143		for partitions/ wall lining of hollow MS	hollow MS tube, placed along the walls, ceiling and floor in a grid pattern with spacing @ 60 cm centre to centre both ways (vertically and horizontally) or at required spacing near opening, with necessary welding at junctions and fixing the frame to wall/ ceiling/ floors with steel dash fasteners of 8 mm dia, 75 mm long bolt, including making provision for opening for doors, windows, electrical conduits, switch boards etc., including providing with two coats of approved steel primer etc. complete, all as per direction of Engineer-in-								
1     1     1     332.64     332.64     332.64       2     1 <td></td> <td></td> <td></td> <td></td> <td>Wall partitions</td> <td>2.00</td> <td>4.80</td> <td>3.30</td> <td>12</td> <td>380.16</td> <td></td> <td></td> <td></td>					Wall partitions	2.00	4.80	3.30	12	380.16			
Hunarshala   1.00   6.95   3.30   12   275.22							4.20	3.30					
200     3.80     3.30     12     300.96     300.96       300     1.00     8.00     3.30     12     316.80       300     1.00     5.13     3.30     12     203.15       300     1.00     14.50     3.30     12     574.20       300     1.00     2.81     3.30     12     111.28       300     1.00     2.81     3.30     12     111.28       300     1.00     2.81     3.30     12     111.28       300     1.00     2.81     3.30     12     111.28       300     1.00     3.00     3.00     3.00     12     111.28       300     1.00     3.00     3.00     3.00     12     111.28       300     1.00     3.00     3.00     12     111.28     10       300     1.00     3.00     3.00     12     111.28     10       300     1.00     3.00     3.00     3.00     12     111.28       300     1.00     3.00     3.00     3.00     12     111.28       300     1.00     3.00     3.00     3.00     12     111.28       300     3.00     3.00     3.00     3.0						2.00	9.00	3.30	12	712.80			
1     1 <td></td> <td></td> <td></td> <td></td> <td>Hunarshala</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					Hunarshala								
1     1     1     2     203.15 <td></td>													
1     1     1.00     14.50     3.30     12     574.20     574.20       2     1     1.00     2.81     3.30     12     111.28     111.28       3     1								_					
1     1 <td></td>													
3207.20													
						1.00	2.01	3.30	12				
										3,207.00	Kg	101.00	3,23,907.00

Supplied   Proceedings   Process												
Management   Man	31	9.155		partition magnesia block 66 mm	Framework includes Floor/ Head GI channels having thickness 0.5mm, length 3600mm, equal flanges of 32mm and web of 50mm fixed to floor and ceiling with suitable fasteners at 300mm centers staggered. Noise and fire rated silicon bead sealant to be caulked along the perimeter of the partition frame before fixing channels. Then Stud channel having thickness 0.45mm, length 3600mm, unequal flanges of 34/36mm and web of 48mm should be placed into the floor/head channel positioned vertically at 600mm centers. Extra reinforcement to be provided at openings (doors, windows, etc.,) The first layer of magenesia oxide block 8mm thick should be fixed on one side of the Stud framework in a staggered pattern by using suitable metal fasteners at 300mm centers. Second layer of magenesia oxide block 8mm thick should be fixed other side of the frame work similar fashion as the first layer. 3mm gap should be maintained between boards.3 mm gap shall be filled with jointing compound.  Magnesia oxide block shall have following physical charecterstics.  • Core - Magnesia • Fire Rating – upto 150mins • Acoustics – STC upto 44-50 • Climate (OC RH) – 50, 99  • Moisture Absorption - 6.8% after 2hrs and 11.3% after 24hrs soaking  • Wet Expansion - < 0.02% from evaporation  • Moisture Movement - 0.02%  • Light reflectance – 80 % • Green (RC %)  – 30 • Strength - Antisag							
Management   Man				74 mayor think	Heiner 1 2mm Abiel, magnesia blogl							
West   1.00   3.00   3.3   3.2   3.5   3			9.155.3		OSINGTZINIH CHICK MAGNESIA DIOCK							
1.00   3.80   3.3   22.56					Wall	2.00	3.90		25.74			
1.00   5.00   3.3   27.76												
1.00   5.00   3.3   3.3   3.34   5.00   1.												
1.00   1.00												
2,00												
200   2.70   3.3   17.82   1						1.00	14.50	3.5	50.75			
10												
100   100												
1.00   3.10   3.3   16.88												
1						1.00	6.65	3.3	21.95			
Shops												
Shops												
Say	<u> </u>				Shons							
Syr					Janopa -	20.00	2.30	2.7				
32   9.156   thermal insulation to the dry wall insulation to cross braneing plantity to the wall cross braneing plantity of the wall cr					Say					Sqm	1,984.00	13,33,248.00
12.24   tile on roof (on steel frame   1.04   1.05   1.0	32	9.156		thermal insulation to	having dencity 1000 GSM within the cavity held in position by using chicken wire mesh/				672.00	Sqm	768.00	5,16,096.00
Hunarshale	33	12.24		tile on roof (on steel	and of approved size and as per approved pattern on steel frame work complete (steel							
Semi-Open Lobby												
Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted, bill tup sections   Structural steel work built up sections   Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted,   Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted,   Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted,   Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted,   Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted,   Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted,   Structural steel   Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted,   Structural steel   Str												
Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted, steel work using m.S. flats, angles, channels I-section, H-section etc. riveted, belief or welded in built up sections. Tusses and framed work, including cutting, hoisting, built up sections. Tusses and plying a priming coat of approved steel primer all complete					Semi-Open Lobby							
Structural steel work using M.S. flats, angles, channels I-section Hs-section etc. riveted, built up sections   Structural steel work using M.S. flats, angles, channels I-section, Hs-ection etc. riveted, built up sections   Structural steel work using M.S. flats, angles, channels I-section, Hs-ection etc. riveted, built up sections   Structural steel work using M.S. flats, angles, channels I-section, Hs-ection etc. riveted, built up sections, flying in position and applying a priming coat of approved steel primer all complete   Structural steel work using priming coat of approved steel primer all complete   Structural steel work using priming coat of approved steel primer all complete   Structural steel work using priming coat of approved steel primer all complete   Structural steel work using priming coat of approved steel primer all complete   Structural steel work using priming coat of approved steel primer all complete   Structural steel   Str						10.00						
34   10.2									957.00	Sqm	275.00	2,63,175.00
S0x75x4mm	34	10.2		steel work built up	bolted or welded in built up sections, trusses and framed work, including cutting, hoisting,							
S0x75x4mm												
S0x75x4mm	-											
150x150x5.5 mm Top												
12.00   20.60   7.5   1854.00												
Shop top 64.00 4.00 6.5 1664.00 19.70.00 19.76,570.00 19.												
50x75x4mm 64.00 4.00 7.5 1920.00 19,76,570.00  Plastic emulsion brand and manufacture to give an even shade: Two or more coats on new wor  For 'Structural steel 1,120.00 Sqm 64.00 71,680.00  Wall painting by any mechanical or manual means with plastic emulsion paint of approved brand and manufacture to give an even shade: Two or more coats on new wor  Wall painting by any mechanical or manual means with acrylic emulsion paint, 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.					I Shan ton							
19,190.00 Kg   103.00 19,76,570.00   19,190.00 Kg   103.00 19,76,570.00   19,76,570.00   19,190.00 Kg   103.00 19,76,570.00   19,190.00 Kg   103.00 19,76,570.00   19,76,	<u> </u>											
Plastic emulsion   Plastic emu					··· · ···	54.00	00	,.,		Kg	103.00	19,76,570.00
35   13.46   Plastic emulsion   brand and manufacture to give an even shade: Two or more coats on new wor												
Wall painting by any mechanical or manual means with acrylic emulsion paint, 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.	35	13.46			brand and manufacture to give an even shade: Two or more coats on new wor				4.420.00	S	54.00	74 500 00
36 13.48 Acrylic emulsion manufacture, including applying additional coats wherever required, to achieve even shade and colour.					roi Structural Steel				1,120.00	Sqm	64.00	/1,680.00
	36	13.48			(Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even							
			13.48.2	Two coats.								

				Tourist Experience Center Wall	4.00	3.90	3.3	51.48			
					2.00	2.90	3.3	19.14			
					2.00	3.80 5.40	3.3	25.08 35.64			
					2.00	5.80	3.3	38.28			
-					4.00	3.95	3.3	52.14			
					2.00	14.50	3.5	101.50			
					2.00	8.03	3.5	56.21			
					2.00	8.40	3.5	58.80			
					2.00	2.70	3.3	17.82			
					2.00	14.50	3.3	95.70			
					2.00	8.00	3.3	52.80			
				Hunarshala	2.00	8.40	3.5	58.80			
					2.00	2.70	3.3	17.82			
					1.00	6.95 8.00	3.3	22.94 26.40			
					1.00	6.65	3.3	21.95			
					1.00	5.10	3.3	16.83			
					2.00	2.80	3.3	18.48			
					2.00	14.50	3.3	95.70			
					1.00	12.60	3.3	41.58			
					1.00	16.00	3.3	52.80			
				Shops	34.00	2.50	2.5	212.50			
								1,190.38			
								1,190.00	Sqm	56.00	66,640.00
				"Design, supply and installation of suspended Spider Glazing system designed to							
37	8.8		Spider glazing system	withstand the wind pressure as pr IS 875 (Part- III). The Suspended System held with Spider Fittings of SS-316 Grade Steel of approved manufacturer with glass panel having 12 mm thick clear toughened glass held together with SS- 316 Grade Stainless steel Spider and bolt assembly with laminated glass fins 21 mm thick. The Glass fins and glass panel assembly shall be connected to Slab/beams by means of SS- 316 Grade stainless steel brackets and Anchor bolts and at the bottom using SS channel of 50x25x2mm using fastener and anchor bolts, non staining weather sealants of approved make, Teflon/ nylon bushes and separators to prevent bi-metallic contacts, all complete to perform as per specification and approved drawings. The complete system to be designed to accommodate thermal expansion and seismic movements etc. The joints between glass panels (6 to 8 mm) and gaps at the perimeter and in U channel of the assembly to be filled with none staining weather sealant, so as to make the entire system fully air tight, water proof and dust proof. The rate shall include all design, Engineering and shop drawing including approval from structural designer, labour, TandP, scaffolding, other incidental charges including wastage, enabling temporary services all fitting fixers nut bolts, washer, Buffer plates, fastener, anchors, SS channel laminated glass etc. all complete. For the purpose of payment actual elevation area of Glazing including thickness of joints and the portion of Glass panel inside the SS channel shall be measured.							
				Front Glass wall	1.00	14.50	2.8	40.60			
					2.00		2.8	58.24	·		
<u> </u>					1.00	14.50	2.8	40.60			
								139.44			
								139.44	Sqm	5,983.00	8,34,269.52
2	9.172		WPC solid board	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid board one side white colour and other side of board laminated with PVC foil of minimum 14 micron thickness of approved design pasted with hot melt adhesive for cup boards, work stations and bathroom/kitchen cabinet etc. of required sizes comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibres (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N(Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel piano hinges/soft close clip on concealed hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In-Charge.  (Note: stainless steel piano hinges/soft close clip on concealed hinges and necessary S.S screws shall be paid separately) 18 mm thick							
		0.:		40 mm shirti							
		9.172.1		18 mm thick	12.00	1.90	3.6	82.08	Sqm	2,423.65	1,98,933.19
5		15.64	Disposal of building rubbish / malba / similar unserviceable , dismantled or waste materials	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.				680.00	Cum	121.00	82,280.00

			Cupplying and	Supplying and stacking of good earth specific useful for plantation at site including royalty								
1	28.2		Supplying and stacking of	if any and carriage (earth measured in stacks will be reduced by 20% for payment).								
1	20.2		good earth									
-+			_	Landana		20.00	10.00		454.00			
-				Landscape	1.00	28.00 11.00	18.00 11.00	0.3	151.20 36.30			
+					1.00	10.00	20.00	0.3	60.00			
-+					1.00	10.00	20.00	0.5	247.50	Cum	511.00	1,26,472.50
			Supplying and	Supplying and stacking at site dump manure from approved source, including carriage							022.00	2,20,11200
2	28.3		stacking	(manure measured in stacks will be reduced by 8% for payment) :								
			sludge									
				Landscape	1.00	28.00	18.00	0.15	75.60			
					1.00	11.00	11.00	0.15	18.15			
_					1.00	10.00	20.00	0.15	30.00			
+				Careading of studies during manuscand / aread doubt in required this lances as now					123.75	Cum	734.00	90,832.50
3	28.8		Spreading of sludge, dung manure and / or good earth	Spreading of sludge, dump manure and / orgood earth in required thickness as per direction of Engineer-in-charge (Cost of sludge, dump manure and / or good earth to be paid separately).					123.75	Cum	16.00	1,980.00
			Mixing earth	Mixing earth and sludge or manure in the required proportion specified or directed by the								
			and sludge or	Engineer-in-charge.								
4	28.9		manure (fym) farm yard manure						123.75	Cum	11.00	1,361.25
			Planting of	Grassing with Selection No.1 grass including watering and maintenance of the lawn for 30								
	28.10		Grass	days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed (the grass and good earth shall be paid for separately):								
				Providing and laying Selected type of Grassturf with earth 50mm to 60mm thickness on								
:5		28.10.5	Grassing with selected grass turf	existing ground prepared with proper level and ramming with required tools wooden and								
-+				Landsons	1.00	28.00	18.00		504.00			
_				Landscape	1.00	11.00	11.00		504.00 121.00			
-					1.00	10.00	20.00		200.00			
+				OAT	5.00	51.00	1.80		459.00			
$\dashv$				ON!	3.00	31.00	1.80		1,284.00	Sqm	99.00	1,27,116.00
_				Preparation of beds for hedging and shrubbery by excavating further 30cm deep of		800.00			1,204.00	Jqiii	33.00	1,27,110.00
:6 :	28.13		Preparation of beds for hedging and shrubbery	already prepared trench, 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 manureafter reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, levelling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and levelling as directed, within a lead of 50mlift upto 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately)	1.00			0.3	240.00	Cum	67.00	16,080.00
:7 :	28.14		Digging holes refilling mixed with manure or sludge	Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20%: 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbishand surplus earth, if any with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately):								
		28.14.1	120 cm dia	Holes 120 cm dia and 120 cm deep.	90.00				90.00	Each	141.00	12,690.00
		28.14.2	60 cm dia	Holes 60 cm dia and 60 cm deep.	2,100.00				2,100.00	Each	61.00	1,28,100.00
		28.14.3	45 cm dia	Holes 45 cm dia and 45 cm deep.	925.00				925.00	Each	19.00	17,575.00
8 :	28.15		Planting different variety of plants	Providing and planting different variety of plants of approved quality and sizes as mentioned including making pits of requiredsize at site, refilled with B.C. Soil mixture manuring and pesticide etc. complete (to be paid separately) including watering and 90 days maintenance from the date of final bill as per direction of Engineer-in-Charge complete in all respect (B.C. Mixture paid separately).								
9		28.15.1	Shrubs (75-90 cm height)	Bahunia Tomentosa, Beloperone Species, Caselpinnia Pulcherima, Bird of Paradise, Callandra Emarginata, Callandra Hybrida, Cassia Bi flora, Cassia Laevigata, Cestrum Nocturnum, Dombeya Mastersii, Euphorbia Caracasana, Euphorbia Pulcherima, Excorea bi color, Excorea tri color, Ficuas Blackii, Ficus Reginold, Ficus Panda, Gardenia, Gulphinia, Jasminoides, Hamelia Pattens, Heliconia, Hibiscus Rosasinensis, Hibiscus Verigated, Hibiscus Viceroy, Jatropha Multifida, Largestomia Indica, Malpighia Coccigera, Murraya Exotica, Murraya Koeniggi, Murraya Sambucum, Mussaenda Erythrophylla, Nerium Oleander, Nyctanthus Arbortristis, Plumbego Capensis, Putranjeeva Roxburghii, Tabernaemontana Coronaria, Tabernaemontana Divaricata, Tecoma Gaudi Chaudi, Tecoma Stans, Thevetia Nerifolia, Thuja Compacta and equivalent plants.					600.00	Sqm	80.00	48,000.00
60		28.15.2	Creeper plants (height :30cm to 45 cm)	Allamanda Cathartica, Allamanda Grandiflora, Allamanda Violacea, Begnonia Venustha, Boughan Villas (Variety: Butiana, Lady Mary Bearing, Mahaara, Mohan, Scarlet Queen Variagata, Glabra Formosa, Peruviana Odissi, Partha, Shubhra, Thimma, Spectabillis, L.N. Birla, Refulgens), Clerodendrum Splendens, Clerodendrum Thompsonae, Ipomea Purpurea, Jasminum Grandiflorum, Jasminum Humile (Yellow), Passiflora Caerulea (Rakhi Bel), Petrea Volubilis, Quis Qualis Indica, Tecoma Grandiflora, Veronia Elaegnifolia (Curtain Creeper), Mandvellia, Garlic Creeper, Callimitis					600.00	each	50.00	30,000.00
0		28.15.2	plants (height :30cm to 45	Purpurea, Jasminum Grandiflorum, Jasminum Humile (Ye Bel), Petrea Volubilis, Quis Qualis Indica, Tecoma Grandif	ellow), Passiflora Caerulea (Rakhi 600.00	ellow), Passiflora Caerulea (Rakhi 600.00 each	ellow), Passiflora Caerulea (Rakhi 600.00 each 50.00					

31		28.15.3	Ground cover plants height: 30cm-45cm	Alpinia Verigated, Alternanthera species, Aspyragus Myerri, Aspyragus Springenii, Aspidistra, Canna (regular, Dwarf), Chlorodendron Inermii, Chlorophythum (Green), Chlorophythum verigated, Coffea Chinensis, Dianella Verigated, Durranta (Goldiana, Green, Verigated), Euphorbia Milli hybrid, Ipomea (Golden leaves), Iresine herbstii, Juniper Prostata, Juniper Africana, Ophiopogon plant, Ophiopogon jaburan, Portulacaria Afra (jade Plant), Schefflera Green, Schefflera verigated, Setcreasea Purpurea, Syngonium (Butterfly) species, Syngonium miniature, Syngonium Dwarf, Syngonium variegated, Tradescantia, Wadelia Trilobata, Zebrina Tradescantia, Pendanas, Spider Lily Black, Spider Lily verigated, Aclypha (Red, Green, Mini), Lantana (Red, Yellow, Purple, White, verigated), Haemalia Mini and similar plants.					1,500.00	each	50.00	75,000.00
		28.15.6	Rose plants height: 30cm & above	Budded Roses of H.T variety and miniature Roses					400.00	each	170.00	68,000.00
		28.15.7	Rose plants creepers	Plant Creeper Rose Varieties					300.00	each	212.00	63,600.00
		28.15.8	Rose plant H.T. standard	Standard Roses H.T. Variety					225.00	each	382.00	85,950.00
32	28.18		Filling mixture of earth and sludge or manure	Filling mixture of earth and sludge or manure in the desired proportion in trenches, flooding with water and levelling (cost of supplying earth and sludge or manure and mixing excluded)					123.75	Cum	16.00	1,980.00
33	28.19		Excavation in dumped stones or malba	Excavation in dumped stones or malba including stacking of serviceable and unserviceable material separately and disposal of unserviceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.					22.00	Cum	155.00	3,410.00
34	28.32		Anti termite treatment of grass  Demolishing	Anti Termite treatment of Lawn area through premise 30.5%I.P, one liter premise diluted in 499 litres water and applying solution @1.00 liter solution per sq.m lawn or bed area. (Two application) i/c cost of chemical and as per direction of Engineer-in-Charge.  Demolishing cement concrete manually/by mechanical means including disposal of					1,284.00	Sqm	10.00	12,840.00
35	15.2		cement	material within 50 metres lead as per direction of Engineer-in- Charge.								
		15.2.1	1:3:6 or richer	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	1.00	15.00	12.00	0.2	36.00	Cum	578.00	20,808.00
36	15.3		Demolishing R.C.C.	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.	1.00	15.00	20.00	0.15	45.00	Cum	844.00	37,980.00
37	15.5		Scrapping, cleaning straightening reinforcemen t	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. work (Payment shall be made on the cross sectional area of R.C.C. work) as per direction of Engineer-in- Charge	1.00	15.00	20.00		300.00	Sqm	276.00	276.00
38	15.6		Demolishing brick work	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								
		15.6.3	In cement mortar	In cement mortar.								
				Old Building	3.00 4.00	20.00 12.00	0.23	4.8	66.24 52.99			
					4.00	12.00	0.23	4.0	119.23	Cum	487.00	58,065.98
39	15.8		stone rubble masonry	Demolishing stone rubble masonry 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:								
		15.8.2	In cement mortar	In cement mortar.								
				Old Building	3.00 4.00	20.00 12.00	0.60	1.2	43.20 34.56			
									77.76	Cum	582.00	45,256.32
40	15.11		Dismantling tile/ kota /marble/ Granite work	Dismantling tile/ Kota stone/ Marble / Granite work in floors/walls and roofs laid in cement mortar including stacking material within 50 metres lead.								
		15.11.2	Above 25mm thick	For thickness of tiles above 25 mm and upto 40 mm.								
			andr.	Old Building	1.00	12.00	20.00		240.00	Sqm	220.00	52,800.00
41	15.12		Dismantling stone slab flooring	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead								
				Old pathway	1.00	15.00	5.00		75.00	Sqm	64.00	4,800.00
42	15.13		Taking out paver blocks	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.								
	-		Dismantling	Old pathway  Dismantling doors, windows and clerestory windows (steel or wood) shutter including	1.00	33.00	5.00		165.00	Sqm	31.00	5,115.00
43	15.14		doors, windows, shutter including chowkhats,	chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead								
		15.14.1	Area upto 3	Of area 3 sq. metres and below	20.00				20.00	Each	85.00	1,700.00
		15.14.2	sq.m. Area>3.0	Of area beyond 3 sq. metres	25.00				25.00	Each	117.00	2,925.00
	<u> </u>		sq.m.									_,;==::00

				Planting of Trees and their Maintenance for three Year Planting of various varities such as Pipal (Ficus religiose), Bargad (Ficus benghalensis), Neem (Azadirachta indica), Ashok								
				(Saraca Asoca), Kadam (Neolamarckia cadamba), Aam (Mango), Gulmohar (Delonix regia),								
				Amaltass (Hibiscus rosa-sinensis), Bougainvillea) (Bougainvillea glabra), Lantana (Lantana								
44	11.9			camara) etc. of trees as approved by the Engineer-in-charge by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm								
				yard/sludge mannure, planting the saplings, backfilling the trench, watering, and								
				maintaining the plants excluding tree guard.								
			(ii)	Minimum Plant Height 1.50 M					40.00	each	2,750.00	1,10,000.00
				Design built, supply and erection of Tensile (fabric) structure system including designing								
				and fabrication in M.S. steel tubular structure as per Indian standard section as per approved design and shape including base plate, dash fastener, clits etc. Cutting,								
			Tensile (fabric)	patterning, plotting and wielding of fabric with the help of tensile structure software.								
3	12.85		structure	Fabric should be wielded by high frequency PVC wielding in proper line with PVC cader to								
			system	be fixed on end of the fabric and to be stretched & fixed on M.S. design structure with the help of. M.S. Flat bar with self-taping screw. M.S. structure to be painted with one coat of								
				epoxy primer with MRF PU paint of approved colour in desired shape. With 1050 GSM								
4		12.85.1		tensile fabric With precontraint tensile membrane 1050 GSM (20 years Warranty)	3.00	3.00	2.50		22.50	Sqm	9,347.00	2,10,307.50
				Supply, fabrication and erection of three-dimensional space frame steel structure							5,6 11 100	_,,_,
				consisting of support node, primary space frame members, space notes nodes, bolts,								
				sleeves (nut), purlin stool, purlin etc. to support roof sheet in plain or curved shape. The space frame steel structure shall be designed as per relevant IS codes for earthquake,								
				wind and all applicable forces/load as per IS 875 and/or International standard ASCE-7,								
				AISC 89, AISI 89 etc. and produced in compliance with ISO 9001-2008 quality system.								
				The lowest point of space frame steel structure shall be the support node securely welded over a flange plate, made of steel conforming to ASTM A36, fixed securely on top of a well								
				a designed support shaft made of solid or hollow circular steel pipe or concrete column								
				erected/constructed over a secured and unyielding steel or RCC foundation.  Space frame nodes, which connect two or more primary space frame members, are solid								
				spherical balls with internally threaded holes and manufactured by hot forging process								
				from medium carbon steel conforming to BS EN 10083 Part-2. Primary space frame								
			Three-	member, which connects two nodes and consists of well-designed hollow steel pipe of suitable length, shall have steel cones coaxially welded at both ends in accordance with								
5	12.39		dimensional space frame	welding standards. Pipes of primary space frame member shall be type E (ERW/HFIW) and								
	12.55		steel	conforming to ASTM A53, Grade A/B or IS 1239 Part I or IS 1161. Last primary space frame								
			structure	member shall have no coaxial steel cone at the end but shall be provided with galvanized								
				plate. Coaxial steel cones (conical tips) preassembled at ends of primary space frame member shall conform to ASTM A36/ BS EN 10083, C-30 or								
				DIN St 37-2 standards as applicable. Primary space frame member shall be hot dip								
				galvanized during manufacturing as per ASTM A53								
				/ASTM A 123 as applicable with powder coated finish. The space frame nodes (except support nodes), fasteners, cones and all threaded parts shall be electro-galvanized finish.								
				Average zinc coating done (in factory) on space frame pipes shall be 550 g /sqm								
				(Approximate zinc coating thickness 77 Microns) and shall not be less than 400 g/sqm								
				(Approximate zinc coating thickness 56 microns). Bolts, sleeves and cones shall be electro- galvanized to ASTM B 633 Type 2, SC3. Shop drawings along with structural design								
				analysis shall be provided by the manufacturer for approval of the engineer in charge.								
				Rate shall include cost of design, all material, all lifts, labour, transport, storage, machines, tools and plants, wastages, erection and installation at site all necessary scaffolding etc.								
				For tensile	12.00	3.00	22.50		810.00	И а	212.00	2 52 720 00
				Providing and fixing structural steel frame (for dry stone cladding with 30 mm thick gang	12.00	3.00	22.30		810.00	K.g	312.00	2,52,720.00
				saw cut with machine cut edges sand stone) on walls at all heights using M.S.								
				square/rectangular tube in the required pattern as per architectural drawing including cost of cutting, bending, welding etc. The frame work shall be supported in wall with the								
				help of MS brackets/lugs of angle iron/ flats etc. which shall be welded to the frame and								
				embedded in brick wall with cement concrete block 1:2:4 (1 cement: 2 sand: 4 graded								
			Structural	stone aggregate 20mm nominal size) of size 300x200x300mm including cost of necessary centering and shuttering and with approved expansion hold fasteners on CC/RCC surface								
	7.39		steel for dry	including drilling necessary holes. Approved cramps/ pins etc. shall be welded to the								
			stone cladding	frame work to support stone cladding the steel work will be given a priming coat of Zinc								
				primer as approved by Engineer-in-charge and painted with two or more coats of epoxy paint (Shop drawings shall be submitted by the contractor to the Engineer-in-charge for								
				approval before execution). The frame work shall be fixed in true horizontal and vertical								
				lines/ planes. (Only structural steel frame work shall be measured for the purpose of								
				payment, stainless steel clamps shall be paid for separately and nothing extra shall be paid.)								
			1									
				december and address		20.00	3.60	30	8,640.00 3,240.00			
				dry stone cladding	4.00 2.00		3.60	30		i	ı	
				dry stone cladding	2.00	15.00	3.60	30	11,880.00	K.g	138.00	16,39,440.00
			S.S. clamps	Providing and fixing adjustable stainless steel clamps of approved quality and of required			3.60	30		K.g	138.00	16,39,440.00
	7.40		for dry stone	Providing and fixing adjustable stainless steel clamps of approved quality and of required shape and size adjustable with stainless steel nuts bolts and washer (total weight not less	2.00	15.00	3.60	30	11,880.00			
	7.40			Providing and fixing adjustable stainless steel clamps of approved quality and of required		15.00	3.60	30		K.g Each	208.00	16,39,440.00 7,41,312.00
			for dry stone cladding	Providing and fixing adjustable stainless steel clamps of approved quality and of required shape and size adjustable with stainless steel nuts bolts and washer (total weight not less than 260 gms) for dry stone cladding fixed on frame work at suitable location including making necessary recesses in stone slab, drilling required holes etc. complete as per direction of the Engineer-in-Charge.	2.00	15.00	3.60	30	11,880.00			
	7.40		for dry stone cladding Unplasticised	Providing and fixing adjustable stainless steel clamps of approved quality and of required shape and size adjustable with stainless steel nuts bolts and washer (total weight not less than 260 gms) for dry stone cladding fixed on frame work at suitable location including making necessary recesses in stone slab, drilling required holes etc. complete as per direction of the Engineer-in-Charge.  Providing and fixing unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592	2.00	15.00	3.60	30	11,880.00			
			for dry stone cladding	Providing and fixing adjustable stainless steel clamps of approved quality and of required shape and size adjustable with stainless steel nuts bolts and washer (total weight not less than 260 gms) for dry stone cladding fixed on frame work at suitable location including making necessary recesses in stone slab, drilling required holes etc. complete as per direction of the Engineer-in-Charge.	2.00	15.00	3.60	30	11,880.00			
		47.50.4	for dry stone cladding Unplasticised rigid PVC soil and waste pipes	Providing and fixing adjustable stainless steel clamps of approved quality and of required shape and size adjustable with stainless steel nuts bolts and washer (total weight not less than 260 gms) for dry stone cladding fixed on frame work at suitable location including making necessary recesses in stone slab, drilling required holes etc. complete as per direction of the Engineer-in-Charge.  Providing and fixing unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type B including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. Single socketed pipes for working pressure of 4 kg/sq cm. (minimum wall thickness 3.2mm)	396.00	15.00	3.60	30	11,880.00 3,564.00	Each	208.00	7,41,312.00
		17.58.1 17.58.2	for dry stone cladding Unplasticised rigid PVC soil and waste pipes 75mm dia	Providing and fixing adjustable stainless steel clamps of approved quality and of required shape and size adjustable with stainless steel nuts bolts and washer (total weight not less than 260 gms) for dry stone cladding fixed on frame work at suitable location including making necessary recesses in stone slab, drilling required holes etc. complete as per direction of the Engineer-in-Charge.  Providing and fixing unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type B including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. Single socketed pipes for working pressure of 4 kg/sq cm. (minimum wall thickness 3.2mm)  75 mm diameter	396.00	15.00	3.60	30	3,564.00 3,000	Each	208.00	7,41,312.00 4,080.00
		17.58.1 17.58.2	for dry stone cladding Unplasticised rigid PVC soil and waste pipes	Providing and fixing adjustable stainless steel clamps of approved quality and of required shape and size adjustable with stainless steel nuts bolts and washer (total weight not less than 260 gms) for dry stone cladding fixed on frame work at suitable location including making necessary recesses in stone slab, drilling required holes etc. complete as per direction of the Engineer-in-Charge.  Providing and fixing unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type B including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. Single socketed pipes for working pressure of 4 kg/sq cm. (minimum wall thickness 3.2mm)	396.00	15.00	3.60	30	11,880.00 3,564.00	Each	208.00	7,41,312.00
	17.58		for dry stone cladding Unplasticised rigid PVC soil and waste pipes 75mm dia 110mm dia Unplasticised PVC pipe	Providing and fixing adjustable stainless steel clamps of approved quality and of required shape and size adjustable with stainless steel nuts bolts and washer (total weight not less than 260 gms) for dry stone cladding fixed on frame work at suitable location including making necessary recesses in stone slab, drilling required holes etc. complete as per direction of the Engineer-in-Charge.  Providing and fixing unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type B including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. Single socketed pipes for working pressure of 4 kg/sq cm. (minimum wall thickness 3.2mm)  75 mm diameter  110mm dia  Providing and fixing unplasticised PVC moulded fittings/ accessories for unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type A including jointing with seal ring	396.00	15.00	3.60	30	3,564.00 3,000	Each	208.00	7,41,312.00 4,080.00
	17.58		for dry stone cladding  Unplasticised rigid PVC soil and waste pipes  75mm dia  110mm dia  Unplasticised	Providing and fixing adjustable stainless steel clamps of approved quality and of required shape and size adjustable with stainless steel nuts bolts and washer (total weight not less than 260 gms) for dry stone cladding fixed on frame work at suitable location including making necessary recesses in stone slab, drilling required holes etc. complete as per direction of the Engineer-in-Charge.  Providing and fixing unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592  Type B including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. Single socketed pipes for working pressure of 4 kg/sq cm. (minimum wall thickness 3.2mm)  75 mm diameter  110mm dia  Providing and fixing unplasticised PVC moulded fittings/ accessories for unplasticised Rigid	396.00	15.00	3.60	30	3,564.00 3,000	Each	208.00	7,41,312.00 4,080.00
	17.58		for dry stone cladding Unplasticised rigid PVC soil and waste pipes 75mm dia 110mm dia Unplasticised PVC pipe	Providing and fixing adjustable stainless steel clamps of approved quality and of required shape and size adjustable with stainless steel nuts bolts and washer (total weight not less than 260 gms) for dry stone cladding fixed on frame work at suitable location including making necessary recesses in stone slab, drilling required holes etc. complete as per direction of the Engineer-in-Charge.  Providing and fixing unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type B including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. Single socketed pipes for working pressure of 4 kg/sq cm. (minimum wall thickness 3.2mm)  75 mm diameter  110mm dia  Providing and fixing unplasticised PVC moulded fittings/ accessories for unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type A including jointing with seal ring	396.00	15.00	3.60	30	3,564.00 3,000	Each	208.00	7,41,312.00 4,080.00
	17.58	17.58.2	for dry stone cladding Unplasticised rigid PVC soil and waste pipes 75mm dia 110mm dia Unplasticised PVC pipe fittings	Providing and fixing adjustable stainless steel clamps of approved quality and of required shape and size adjustable with stainless steel nuts bolts and washer (total weight not less than 260 gms) for dry stone cladding fixed on frame work at suitable location including making necessary recesses in stone slab, drilling required holes etc. complete as per direction of the Engineer-in-Charge.  Providing and fixing unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type B including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. Single socketed pipes for working pressure of 4 kg/sq cm. (minimum wall thickness 3.2mm)  75 mm diameter  110mm dia  Providing and fixing unplasticised PVC moulded fittings/ accessories for unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type A including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.	396.00	15.00	3.60	30	3,564.00 3,000	Each	208.00	7,41,312.00 4,080.00
	17.58	17.59.3 17.59.3.1 17.59.3.2	for dry stone cladding  Unplasticised rigid PVC soil and waste pipes 75mm dia 110mm dia Unplasticised PVC pipe fittings  T with door 75 mm 110 mm	Providing and fixing adjustable stainless steel clamps of approved quality and of required shape and size adjustable with stainless steel nuts bolts and washer (total weight not less than 260 gms) for dry stone cladding fixed on frame work at suitable location including making necessary recesses in stone slab, drilling required holes etc. complete as per direction of the Engineer-in-Charge.  Providing and fixing unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type B including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. Single socketed pipes for working pressure of 4 kg/sq cm. (minimum wall thickness 3.2mm)  75 mm diameter  110mm dia  Providing and fixing unplasticised PVC moulded fittings/ accessories for unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type A including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.  Single tee with door  75x75x75 mm  110x110x110 mm	396.00 30.00 30.00	15.00	3.60	30	3,564.00 3,564.00 30.00 30.00	Each meter meter	208.00 136.00 238.00	7,41,312.00 4,080.00 7,140.00
	17.58	17.58.2 17.59.3 17.59.3.1	for dry stone cladding  Unplasticised rigid PVC soil and waste pipes 75mm dia 110mm dia Unplasticised PVC pipe fittings  T with door 75 mm 110 mm Bend	Providing and fixing adjustable stainless steel clamps of approved quality and of required shape and size adjustable with stainless steel nuts bolts and washer (total weight not less than 260 gms) for dry stone cladding fixed on frame work at suitable location including making necessary recesses in stone slab, drilling required holes etc. complete as per direction of the Engineer-in-Charge.  Providing and fixing unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592  Type B including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. Single socketed pipes for working pressure of 4 kg/sq cm. (minimum wall thickness 3.2mm)  75 mm diameter  110mm dia  Providing and fixing unplasticised PVC moulded fittings/ accessories for unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type A including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.  Single tee with door  75x75x75 mm	396.00 30.00 30.00	15.00	3.60	30	3,564.00 3,564.00 30.00 30.00	meter meter meter	208.00 136.00 238.00	7,41,312.00 4,080.00 7,140.00

	17.59.5.2		110 mm bend	3		3.00	each	172.00	516.00
17.61		UPVC trap of self cleaning design	Providing and fixing UPVC trap of self cleaning design complete. Including cost of cutting and making good the wall and floors. 100 mm inlet and 75 mm outlet	6.00		6.00	each	517.00	3,102.00
18.6		CPVC pipes internal work	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge.						
	18.6.1	Exposed on	Internal work - Exposed on						
	18.6.1.1	wall 15mm	wall 15 mm nominal outer dia .Pipes.	30.00		30.00	Meter	129.00	3,870.00
	18.6.1.2	20mm	20 mm nominal outer dia .Pipes.	15.00		15.00	Meter	153.00	2,295.00
10.7	18.6.1.4	32mm	32 mm nominal outer dia .Pipes.	30.00		30.00	Meter	254.00	7,620.00
18.7		CPVC pipes for external work	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings. This included jointing of pipes and fittings with one-step CPVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer-in- Charge. External Work						
	18.7.4 18.7.5	32 mm 50 mm	32 mm nominal outer dia .Pipes. 50 mm nominal outer dia .Pipes.	70.00 40.00		70.00 40.00	Meter Meter	238.00 498.00	16,660.00 19,920.00
19.9	18.7.3	Rectangular manhole	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 sand) R.C.C. top slab with Cement Concrete 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design	40.00		40.00	Neter	430.00	13,920.00
	19.9.1	90X80 cm	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):						
	19.9.1.1	Well burnt bricks	With well burnt bricks	2.00		2.00	Each	7997.00	15,994.00
	19.9.3	120x90 cm	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (heavy duty) 560 mm internal diameter, total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg):						
	19.9.3.1	Well burnt	Well burnt bricks	1.00		1.00	Each	21816.00	21,816.00
19.4		bricks Unplasticised PVC pipe Below ground	Providing and laying below ground unplasticised PVC pipe to with stand working pressure of 4 kg/cm2 solid waste pipes confirming to IS:13592 and IS:4985 including jointing with seal ring confirming to IS:5282 leaving 10mm gap for thermal expansion all necessary fittings etc. complete. Excavation to be paid separately.						
	19.4.1	110 mm dia	110 mm diameter OD (min. wall thickness 3.2mm)	40.00		40.00	metre	234	9,360.00
19.5	19.4.2	160 mm dia Cement	160 mm diameter OD (min. wall thickness 4.0mm)  Providing and laying cement concrete 1:3:6 (1 cement: 3 sand: 6 graded stone aggregate	60.00		60.00	Meter	477.00	28,620.00
15.5	40.54	concrete 1:3:6 all- round unplasticised PVC pipes 110 mm dia	20 mm nominal size) all-round PVC. pipes including bed concrete as per standard design:	40.00		40.00			22.040.00
	19.5.1 19.5.2	160 mm dia	110 mm diameter PVC. Pipe 160 mm diameter PVC. pipe	40.00 60.00		40.00 60.00	metre Meter	576 704.00	23,040.00 42,240.00
19.7		S.W. gully trap	Providing and fixing square mouth S.W. gully trap class SP1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:						
	19.7.3	180x150 mm	180x150 mm size P type With well burnt bricks					1012.00	2 926 00
	19.7.3.1	well burnt bricks		2.00		2.00	Each	1913.00	3,826.00
19.30		Soak pit circular	Making soak pit 2.5 m diameter 3.0 Meter deep with 45 x 45 cm dry brick honey comb shaft with bricks of class designation 75 and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design						
	19.30.1	Well burnt bricks	With well burnt bricks	1.00		1.00	Each	20609.00	20,609.00
25.5		European Single Piece Pedestal WC	Providing and fixing white vitreous China Anti germ fluoro-polymer coated single piece W.C. dual flushing capacity 3 and 6 litre of approved shape with 15mm quarter turn angular stop cock and pvc connection pipe i/c cutting and making good the wall and floors						
	25.5.2	Size 395X710X730	wherever required all fittings and fixtures etc. complete.  Anti germ Fluoro-Polymer Coated Single Piece W.C. Pan Size 395X710X730mm with solid poly propelyne made soft closing seat cover.{Premium Range}	2.00		2.00	Each	25954.00	51,908.00
25.63		mm Wall hung basin	Wall Hung Basin: Providing and fixing white vitreous china type Anti germ fluoro-polymer coated wall mounted wash basin with C.I. brackets, C. P. brass single lever basin mixer, 15mm quarter turn angular stop cock, 32 mm C.P. brass waste coupling length 130mm and 32 mm C.P. brass bottle trap size 200x300mm i/c cutting and making good the wall and floors wherever required, all fittings and fixtures etc. complete . (Premium Range)						
	25.63.2	570x470x190 mm	White Vitreous China Anti germ Fluoro-Polymer Coated Wash Basin Size 190x600x435mm with Table mounted single lever Tall boy basin mixture, (cartridge size 32mm.) (Premium Range)	2.00		2.00	Each	15100.00	30,200.00
25.11		Flat Back Half Stall Urinal	Providing and fixing white vitreous china flat back Anti germ fluoro-polymer coated urinal (Inbuilt spreaders, bottle trap and ceramic waste coupling) with 15mm brass pressmatic auto closing concealed urinal flush valve with wall flange (decol technology, 400000 operation warranted) i/c cutting and making good the wall and floors wherever required, all fittings and fixtures etc. complete .						

		25.11.1	Size	White Vitreous China Anti germ Fluoro-Polymer Coated Urinal Size 340x325x650 mm.						14544.00	14,544.00
			340x325x650 mm	(Premium Range)	1			1.00	Each		
	25.20		Angular stop cock	Providing and fixing in position best Indian ( bonut size 24mm, ceramic disc size 19mm and min. body thickness 2mm, nickel plating. 10 micron and chrome plating 0.3 micron, quarter turn) Angular stop cock. (Premium Range)	4			4.00	Each	1573.00	6,292.00
	25.36		2-way bib cock	Providing and fixing in position best Indian (bonut size 24mm, ceramic disc size 19mm and min. body thickness 2mm, nickel plating 0.10 micron and chrome plating 0.3 micron, quarter turn) 2- way Bib Cock (Premium Range)	2			2.00	Each	2687.00	5,374.00
	25.54		Soap dispenser	Providing and fixing in position best Indian C. P. Brass made (0.3 micron Chrome and 10 micron Nickel plated) Soap Dispenser with Metallic Bottle. (Premium Range)	2			2.00	Each	2653.00	5,306.00
	25.56		Toilet paper holder	Providing and fixing in position best Indian C. P. Brass made (0.3 micron Chrome and 10 micron Nickel plated) Toilet paper holder with Flap. (Premium Range)	2			2.00	Each	1888.00	3,776.00
	17.67		Mirror (open edges)	Providing and fixing bevelled 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.	2	1.2	1.2	2.88	Sqm	2440.00	7,027.20
	25.37		Non-return valve	Providing and fixing in position best Indian Health Faucet with 8mm dia 1 meter long Flexible Tube and wall bracket with N. R. V. (non-return wall).(Premium Range Sanitary Ware)	2			2.00	Each	1818.00	3,636.00
	25.42		Pillar cock wall mounted	Providing and fixing in position best Indian Auto Closing wall mounted Pillar Cock (with DECOL cartridge) for wash basin use only. (Premium Range)	2			2.00	Each	4205.00	8,410.00
	18.28		Polyethylene water storage tank	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI: 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	1000			1,000.00	per litre	7.00	7,000.00
	30.7		Bio Digester	Providing and Installing bio digester unit based on DRDO technology made of fiber reinforced plastic having composition and the technical specifications such as:Parentage of fiber glass (glass content in fiber glass should be minimum 30%): - 33.33%Water absorption (as per ASTM): - 0.30%Flammability: -as per ASTM Tensile strength: -1115 MPA Specific gravity at 25 degree centigrade:-1.45 IZOD impact strength: - 65 KJ/M2 Heat defection/distort temperature: - 65 deg C Corrosion resistance (non corrosive) fitted with Inlet pipe size rigid PVC:-100mm Outlet pipe size rigid PVC:-80mm Gas outlet rigid PVC with valve:- 20mm Bacteria immobilization PVC matrix (on all partition) and capacity:-							
		30.7.7	UPTO 100 USER	UPTO 100 USER SIZE (2.5m X 2.0m X 1.0m) Capacity of bio-digester :- 5000 liters Area of top, bottom and side walls:- 19.00 sq.m. Area of partition walls :- 8.00 sq.m Total weight of FRP:- 248.40 kg Bacteria inoculums quantity :- 1400 liters Minimum thickness of side walls/top and bottom :- 6mm Number of inside partitions :- 4 Minimum thickness of partition wall:-3mm	1			1.00	Each	334491.00	3,34,491.00
				Total							1,75,13,273.30
В				Part- B Non SOR Civil							
		Nsor	Orchha tactile model	Providing & making Orchha tactile model size 4(L)x4(W)x0.75(H) model All elements will be carefully designed with consideration for the model's outdoor placement. The models will feature durable, intricate details, initially cast in resin following the completion of 3D modelling and design approval. Once the final cast is produced, the vendor will create the necessary Mold and proceed to cast the epoxy using fine aggregates for enhanced structural integrity. The final surface finishes will be applied using high-quality, weather-resistant paints, ensuring both realism and durability for long-term performance. Including base made of brick work as per model size with plaster and approved colour finish.	1.00			1.00	Nos	32,00,000.00	32,00,000.00
39		Nsor	Workstations	Providing and fixing Back-to-Back Workstations TABLE TOP: 25mm thick Prelaminated Board. with 2mm PVC Edge band on all side. Table top at 750mm height from floor level. Round wire gromet to be provided on the table top. UNDERSTRUCTURE: Square shape Legs made up of MS pipe finished in Powder coating with section 50mm x 50mm. Connecting beam to be in section 40mm x 40mm connected to Legs with dye casted brackets. WIRE MANAGMENT: Metal wire riser and metal cable tray with front cut out provision to be provided below the table top. MAIN SCREEN and Return Partition in 300mm ht. High Gloss laminated board to be provided and to be fitted with Aluminium brackets on table. Size: 1100mm x 600mm x 750/1050mm H complete as per the approved sample/image/ shop drawing by supplier and as per the direction of Architect & Engineer-In-Charge. Make-GEEKEN, INDO INNOVATIONS, GODREJ INTERIO, ERGO TOUCH, AMARDEEP DESIGNS.	6.00			6.00	Nos	14,300.00	85,800.00

40	Nsor	VISITOR & OTHER STAFF CHAIR, RECEPTIONIST , GREEN ROOM	Providing and placing in position Medium Back Chair of the following specifications. The seat is made up of 12mm thick (7 layers) hot pressed plywood and moulded seat foam upholstered with fabric. Seat Size 485 mm (W) X 470 mm (D). Overall, Height is 980 - 1080mm the frame of back rest made up of injection moulded in black PA +30 % GF and upholstered with mesh fabric makes then assembled with outer frame. The back has cushioned lumber support for achieving comfortable seating posture. SINGLE POINT SYNCHRO MECHANISM: Conventional mechanism with one lever control for lock and seat height adjustment. Mechanism made out of MS Plate. Also, it has the back tension adjustment knob. The armrest structure is black polypropylene. Arm pad size 230mm (L) x 85mm (W). 10 arm rest with height adjustable up to 65mm. The base the pedestals shall be made of HR steel 1.2mm thk, chrome plated fitted with 5 nos. twin wheel castors. The pedestal dia shall be 65+/-0.5cm and the pitch centre dia shall be 75+/-1cm (with castors). The twin wheel castors shall be injection moulded in black nylon. The products should be as per BIFMA standards, all complete as per specicitions, tender drawings, Reference images, approved samples/shop drawings and direction of Engineer - In - Charge.  Make-GEEKEN, INDO INNOVATIONS, GODREJ INTERIO, ERGO TOUCH, AMARDEEP DESIGNS.	16.00		16.00	Each	8,450.00	1,35,200.00
		High Back Chair	Providing and placing in High Back Chair with Adjustable Headrest The seat is made up of 12mm thick (7 layers) hot pressed plywood and moulded seat foam upholstered with fabric. Seat Size 485 mm (W) X 470 mm (D). Overall, Height is 1140 -1240mm the frame of back rest made up of injection moulded in black PA +30 % GF and upholstered with mesh fabric makes then assembled with outer frame. The back has cushioned lumber support for achieving comfortable seating posture. SINGLE POINT SYNCHRO MECHANISM: Conventional mechanism with one lever control for lock and seat height adjustment. Mechanism made out of MS Plate. Also it has the back tension adjustment knob. The armrest structure is black polyproplyene. Arm pad size 30mm (L) x 85mm (W). arm rest with height adjustable up to 65mm. The base The pedestals shall be made of HR steel 1.2mm thick, chrome plated fitted with 5 nos. twin wheel castors. The pedestal dia shall be 65+/-0.5cm and the pitch centre dia shall be 75+/-1cm (with castors). The twin wheel castors shall be injection moulded in black nylon. High Back Chair with Adjustable Headrest The seat is made up of 12mm thick (7 layers) hot pressed plywood and moulded seat foam upholstered with fabric. Seat Size 485 mm (W) x 470 mm (D). Overall, Height is 1140 -1240mm the frame of back rest made up of injection moulded in black PA +30 % GF and upholstered with mesh fabric makes then assembled with outer frame. The back has cushioned lumber support for achieving comfortable seating posture. SINGLE POINT SYNCHRO MECHANISM: Conventional mechanism with one lever control for lock and seat height adjustment. Mechanism made out of MS Plate. Also it has the back tension adjustment knob. The armrest structure is black polyproplyene. Arm pad size 30mm (L) x 85mm (W). arm rest with height adjustable up to 65mm. The base The pedestals shall be made of HR steel 1.2mm thick, chrome plated fitted with 5 nos. twin wheel castors. The pedestal dia shall be 65+/-0.5cm and the pitch centre dia shall be 75+/-1cm (with castors). The twi	5.00		5.00	Nos	9,750.00	48,750.00
6	Nsor	RECEPTION & CLOAK ROOM TABLE	Providing and fixing of Reception desk made out of 710 grade marine ply. all sides, top & partially front as per ref. image will be cladded with 12mm thick solid acrylic & rest will be finished with approved laminate & 100mm high 304 grade brush finish stainless steel skirting in single peice, as per detail drawing. Cost to include all necessary hardware, wire managers of approved makes.  Drawer Unit:- Drawer unit below the table top. 2 file drawer and 1 box drawer. The drawer front, back and side panels are made out of made out of commercial ply , edges dully sealed with pvc edge beading. The drawers boxes are mounted on rollers slides to enable smooth operation of the drawer. Drawer runs on soft closing telescopic channel The pedestal will have central locking mechanism and handels.  The products should be complete as per specicitions, tender drawings, Reference images, approved samples/shop drawings and direction of Engineer - In - Charge. Size '2700X1050X1050 mm	2.00		2.00	Nos	1,32,000.00	2,64,000.00
7	Nsor	RECEPTION TABLE	Providing and fixing of Reception desk made out of 710 grade marine ply. all sides, top & partially front as per ref. image will be cladded with 12mm thick solid acrylic & approved stone as per detail drawing. Cost to include all necessary hardware, wire managers of approved makes.  Drawer Unit: -2 nos. Darwer units below the table top with 2 file drawer and 1 box drawer each. The drawer front, back and side panels are made out of made out of commercial ply, edges dully sealed with pvc edge beading. The drawers boxes are mounted on rollers slides to enable smooth operation of the drawer. Drawer runs on soft closing telescopic channel The pedestal will have central locking mechanism and handels. The products should be complete as per specicitions, tender drawings, Reference images, approved samples/shop drawings and direction of Engineer - In - Charge. Size '4500X1050X1050	1.00		1.00	Nos	2,04,000.00	2,04,000.00

	Nsor	Waiting Area chair	Providing and placing Waiting Area chair, inner frame, basic structure made of Marandi hard wood and commercial ply frame with upholstery 40kg/m3, 130mm thick of foam in seat and 32kg/m3, 90 mm thick of foam in back, Back foam fabric tapestry with 1+/-1 mm thick. base frame & legs are made of first class solid teak wood with PVC shoe. Polishing and Varnishing — General Holes and indentations on surface shall be filled with putty made of whiting and linseed oil. The pad shall be moistened with polish and rubbed hard on the surface applying the polish sparingly but uniformly and completely over the entire surface. Another coat shall be applied in the same way after the first coat has dried sufficiently. Finishing coats shall be sprayed on the surface in 2 or more coats as required till the architect is satisfied with the result, using melamine polish of approved make. Complete as per the approved sample/image/ shop drawing and as per the direction of Architect & Engineer-In-Charge. Size (L)600x(W)600x(H)750	5.00		5.00	Nos	22,100.00	1,10,500.00
			structure shall be made in teakwood. Wood used complete process of timber seasoning by water seasoning method. The wood used in frame shall be termite resistant. Section of wood used 50mm x 50mm and 50mm x 25mm. The structure of arms shall be made in Plywood with Veneer. All the wood joints shall be fixed with adhesives. The sofa shall be upholstered fabric of high quality and finish. The elastic belt in seat with thickness of 2mm above all 100mm 40 density foam + 25mm 40 density foam in seat, 50mm 28 density foam + 25mm 32 density foam in back. Base shall be fixed with 15mm 28 density foam fixing with SR 505 solution. Hassien cloth belt in back with thickness of 2mm and width 55mm, the stapler machine shall be used for fixing hassien cloth and elastic belts for seat	2.00		2.00	Nos	48,000.00	96,000.00
			Providing and placing Single Seater Sofa of Size 1000mm x 800mm x750mm. The under structure shall be made in teakwood. Wood used complete process of timber seasoning by water seasoning method. The wood used in frame shall be termite resistant. Section of wood be 50mm x 50mm and 50mm x 25mm. The structure of arms shall be made in teakwood. The side panel should be covered with 6mm thick MDF sheet so as to enable the pasting of PU foam and facilitate the stretching of fabric. All the wood joints shall be fixed with adhesives and 100mm 80mm staple pin. The sofa shall be upholstered with high quality leatherite. Synthetic leatherette (Not less than 380GSM) of high-quality finish. The elastic belt in seat with thickness of 2mm above all 100mm 40 density foam + 25mm 40 density foam in seat, 50mm 28 density foam + 25mm 32 density foam in back. Base shall be fixed with 15mm 28 density foam fixing with SR 505 solution. Hassien cloth belt in back with thickness of 2mm and width 55mm. the stapler machine shall be used for fixing hassien cloth and elastic belts for seat and back. PU foam used of density 40-50kg/m3 and covered with approved leatherite. No wrinkels, stains, tear shall be visible. Nylon bonded thread shall be used for stitching the upholstering. Stitching shall be done in straight line. No wrinkels along the stitching line and no pin holes. The joint between side and seat shall be in straight line. The seat shall be seperate from the structure and upholstered from all sides with the approved fabric/leatherite. Wooden legs to be provided under the sofa.	5.00		4.00	Nos	28,200.00	1,12,800.00
			Providing and fixing library book rack with entire structure to be made in 18mm thick Prelaminated particle Board with 3 nos. Vertical divisions and 4 nos. horizontal shelves to be provided at equal distance for achieving 5 compartments for storage of books. Size:- 3950mm L x 300mm D x 2100mm H	2.00		2.00	Nos	1,24,800.00	2,49,600.00
		SENIOR OFFICER CHAIR	Providing and placing ergonomical, comfortable and aesthetically design high back chairs. The seat size shall be 500mm (W) x 500mm (D) and the back size shall be mm 500(W) x 750mm (H) (Seat to back height). The seat and back shall be made of hot pressed moulded double layered plywood 16mm thk and Urethane foam upholstered (Foam density 40kg/m3) with Synthetic leather tapestry. The back shall be Urethane foam upholstered (Foam density 32kg/m3) with Leather tapestry. The armrests are made of CRC pipe 50mm X 1.6mm chrome plated and cushion with foam and Synthetic leather tapestry. The mechanism shall be 360 degree revolving Torsion bar with single point locking and tension arragment. The pneumatic height adjustment shall have an adjustment of 65mm BIFMA Standard class 3. The pedestals shall be made of HR steel 1.2mm thk, chrome plated fitted with 5 nos. twin wheel castors. The pedestal dia shall be 65+/-0.5cm and the pitch centre dia shall be 75+/-1cm (with castors). The twin wheel castors shall be injection moulded in black nylon.	3.00		3.00	Nos	25,900.00	77,700.00
		SENIOR OFFICER VISITOR & MEETING ROOM CHAIR	Providing and placing ergonomical, comfortable and aesthetically design high back chairs. The seat size shall be 500mm (W) x 500mm (D) and the back size shall be mm 500(W) x 550mm (H) (Seat to back height). The seat and back shall be made of hot pressed moulded double layered plywood 16mm thk and Urethane foam upholstered (Foam density 40kg/m3) with Synthetic leather tapestry. The back shall be Urethane foam upholstered (Foam density 32kg/m3) with Leatherite tapestry. The armrests are made of CRC pipe 50mm X 15mm X 1.6mm chrome plated and cushion with foam and Synthetic leather tapestry. The mechanism shall be 360 degree revolving Torsion bar with single point locking and tension arragment. The pneumatic height adjustment shall have an adjustment of 65mm BIFMA Standard class 3. The pedestals shall be made of HR steel 1.2mm thk, chrome plated fitted with 5 nos. twin wheel castors. The pedestal dia shall be 65+/-0.5cm and the pitch centre dia shall be 75+/-1cm (with castors). The twin wheel castors shall be injection moulded in black nylon.	15.00		15.00	Nos	21,400.00	3,21,000.00

		Conference Table	Providing and fixing of modular table with work top made of 25mm thickness prelam particle board of interior grade II Type III as per IS 12823:1990 with flat edges, work top clad with decorative laminate on top as per standard and other side with white balancing laminate. Edges duly sealed with 2mm thick machine pasted PVC edge band tape. Worktop supported by 50mm MS Square pipe frame duly powder coated. Support beams of section 40mm x 20mm to be provided along the running length of the table and are connected to the main frame with Aluminium dye casted brackets with help of heavy-duty bolts. Table to be provided with 2 nos. metal brush flapper with metal cable tray below the table top made of CRCA steel 1.2mm thick for wire management and switch/socket mounting provision. Vertical cable riser made of CRCA steel 1.2mm thick for provision of moving wires from floor to flapper. All CRCA steel components / parts powder coated of 50-60 micron. The boards used should meet international standards of quality and safety, Indian standard IS 12823 grade II should meet long time load bending, screw - withdrawal strength and modulus rupture and modulus of elasticity bending test as per IS 2380 (Part 4, Part 13 and Part 14). size of 5000mm x 1200mm x 750mm H Complete as per the approved sample/image/ shop drawing by supplier and as per the direction of Architect & Engineer-In-Charge.  Make-GEEKEN, INDO INNOVATIONS, GODREJ INTERIO, ERGO TOUCH, AMARDEEP DESIGNS.	1.00			1.00	Nos	1,60,550.00	1,60,550.00
		Office table	Providing and fixing office table which comprises of a Worktop supported on MS rectangle legs duly powder coated, pipe section shall be 60mm x 30mm. Table in Complete Particle Board with table top to be made of 25mm thick ISI marked particle board with 1mm thick decorative laminate on top and clad with 0.65mm thick backing laminate and having flat edges duly sealed with 2mm thick PVC edge band tape. The modesty of the table shall be made of 18mm thick particle board clad with 1.0mm thick ISI marked decorative laminate on both sides. Its edge shall be sealed with 2 mm thick PVC beading the entire desk unit is assembled with suitable KD fittings and hardware. Free standing 3 drawer pedestal unit made in 18mm thick Prelaminated particle board with movable castors below to be provided with the table. Worktop: - Made from 25mm Thick Pre-laminated Particle board. The board shall be sourced from reputed manufacturers and shall also be treated for termites to increase life. All the edges are sealed with 2 mm thick PVC edge band all around Under structure. Drawer Size: - 400mm(W) x 500mm(D) x 650mm(H)							
			Table Size: - Size:- 1200mm x 600mm x 750mm H	2.00			2.00	Nos	25,350.00	50,700.00
			Drawer Size: - 400mm W  Table Size: - 1200mm x 750mm x 750mm H							
			Drawer Size: - 400mm W Table Size: - 1500mm x 750mm x 750mm H	2.00			2.00	Nos	29,250.00	58,500.00
			Drawer Size: - 400mm W	2.00			2.00	Nos	31,850.00	63,700.00
			Table Size: - 1800mm x 900mm x 750mm H Drawer Size: - 400mm W	1.00			1.00	Nos	35,750.00	35,750.00
			Providing and Fixing Bunk Beds with main frame made in 40mm x 40mm square pipe. Header and footer to be provided in 25mm Square pipe. Long vertical frames to be welded with main frame pipes and are provided in pipe of section 40mm x 20mm. Horizontal pipes of section 25mm x 25mm to be provided at regular intervals for additional support and strength. 18mm thick PLY duly painted on both sides to be provided at both levels and should be screwed to the horizontal support pipes with SS screws. Countersunk holes to be provided in the horizontal pipes for receiving the screws through which the PLY will be fixed on the base of the bed.	4.00			4.00	Nos	21,400.00	85,600.00
			Providing and fixing of Table top to be made in 25mm thick PLPB with Gable ends to be made in 25mm thick PLPB and extended till the height of 900mm from the ground. The table top will be at height of 450mm from the ground. The front partition to be made in 25mm thick PLPB with overall height of 900mm with 450mm below the table top and 450mm above the table top.  Overall Table Size: - Back-to-Back 1200mm L x 900mm D x 450mm/900mm H  Table top Height from ground: - 450mm  Linear Size 1200mm L x 450mm D x 450mm/900mm H  Table top Height from ground: - 450mm	21.00			21.00	Nos	12,400.00	2,60,400.00
41			Providing and fixing of wooden benches with approximate size of 400mm (Height), made with appropriate sections of Frist class teak wood stained and 50x50x4 mm Stainless Steel (304 Grade) hollow box section legs to be provided, Top to be made as 50mm thick solid wooden top as per details mentioned in the drawing. Finishing coats shall be sprayed on the surface in two or more coats as required till the Engineer in charge/ Architect is satisfied with the result. Treated with anti-termite coatings and finished within superior quality PU coating, colour as specified. Finishing coats shall be sprayed on the surface in two or more coats as required till the Engineer-in-charge/ architect is satisfied with the result. Colour as per the instruction of the Engineer in charge/ Architect. To be completed as per approved drawing, design, sample and direction of the engineer-in-charge/ architect. Contractor/ Vendor should have to prepare one sample and only after getting it approved from the Engineer in charge/ Architect, they should start the actual production. Top side to be measured							
			Digital Orientation	4.00	1.55	0.45	2.79			
			Office	3.00	2.80	0.45	3.78 6.57	Sqm	22,000.00	1,44,540.00
42			Design, Manufacturing, Supply, Erection including Civil works and Handing over etc of Removable / Re-erectable type Pre-Engineered, Pre-fabricated Steel closed Storage Sheds with supply and supply & erecting of side rack as per specification including an internal cabin of 3 M x 3 M with false ceiling & partition all complete.	15.00			15.00	Sqm	22,000.00	3,30,000.00
-			-							

		Free Standing MS Partition - 150mm	Providing and fixing 150 mm overall thickness free standing partition up to 4 meter height consisting of ms hollow section 50X50mm/75X75mm/ as per site requirement of desired thickness in a grid pattern with 600mm c/c spacing bothways (horizontal and vertical) or at required spacing near opening, with necessary welding at junctions and fixing the frame to wall/ceiling/ floors with ms base plate of desired size and thickness with steel dash fasteners of 8 mm dia, 75 mm long bolt, including making provision for opening for doors, windows, electrical conduits, switch boards etc. wherever required. The cost to be inclusive of applying one coat of steel primer of approved quality on the framework. The rate to be also inclusive of providing and installing top cover of 12mm ply conforming to BWR grade of Greenply/ Duroply/ Century ply or similar makes on both sides having bend radius as little as 100mm, ideal for tight radius work with edge profiles, including the cost of necessary hardware, screws etc all complete as per approved drawings and the direction of engineer in charge.  The cost is also to be inclusive of providing surface base with a smooth with 2 base coat of water proof primer on top as per shade required after duly clearing off any unwanted scratches and undulations by sand papering or using a wire brush before actual application, being complete including cost of all material, labour, machinery, T&P, curing, all leads, lifts and sampling, testing and water arrangements complete as per drawings, requirements, specification and as directed by the Museum Consultant. The surface should be smooth enough for vinyl film application.	5.00	1.80	3	6 32.4	0 Sqm	10,100.00	3,27,240.00
	-	WPC Partition -6 mm/12 mm	Providing and fixing factory made single extruded WPC 12-18mm thk (Wood Polymer Composite) solid board one side white color board for backing of cup boards and bathroom/kitchen cabinet etc. of required sizes comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and nontoxic additives (maximum toxicity index of 12 for 100 29 gms) having minimum density of 650 kg/cum, screw withdrawal strength of 1800 N(Face) & 900 N (Edge), minimum compressive strength of 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel screws etc. all as per direction of Engineer-In-Charge.	12.00	2.00	3	6 86.4	0 Sqm	3,953.00	3,41,539.20
43			Supply, Installation, Testing & Commissioning of Slotted angle racks for storage shall be strictly as per the drawings and technical specifications as detailed in the tender and material specification shown above. Rate shall include all necessary accessories, hardware components, transportation, installation, structural components, making good the scratches made during installation etc. as directed by the Engineer In charge. RACK DIMENSIONS - 900 MM (width) X 1800 MM (length) X 2500 MM (height) It will be divided into 3 (three) compartments / loading levels. Each compartment shall have load bearing capacity of 750 Kg and space to hold 16 Nos of storage boxes of size 450mm(L)x400mm(W)x 300mm(H)	6.00			6.C	0 Nos	8,000.00	48,000.00
44		Signage	Vinyl Print with installation Providing & Fixing Printed Vinyl Graphics on Punned or Levelled Surface of (3M or Equivalent), 3M Scotch print controltac & comply wall graphics IJ 180 C + 8520 over Plywood / MDF or Laminate. Cost to include cleaning for any stains, scaffolding for height upto 4000mm from FFL Make of vinyl: 3M, LG, Avery	15.00	2.40	3	6 129.6	0 Sqm	3,953.00	5,12,308.80
		Signage	Providing and fixing of Emergency Signage luminescent vinyl printed in on 6mm thick acrylic sheet back and 4 mm thick acrylic front sandwich panel, as per International standard signage graphic, mounted on Stainless Steel studs of complete as per drawing & design and direction of Architect consultants.	8.00	1.20	0.4	15 4.3	2 Sqm.	15,500.00	66,960.00
		Signage	Design/Supply/Installation of cut made signages laser of 12mm thick Acrylic solid surface sheet of various sizes including requisite fittings and fixtures . signages shall be fixed on wall/ceiling. All signages texts in Hindi & English font & size as per drawing. To be completed as per approved drawing, design, sample and direction of the engineer-in-charge/ architect. as per approved design.	10	4.00	2	4 960.C	0 Sqft	7,500.00	72,00,000.00
		Signage	Design/Supply/Installation of Floor standing signages fabricated with M.S hollow section tube finish with red oxide primer & black paint and clad with 6 mm thick Acrylic solid surface sheet. Signage will be of various sizes including requisite fittings and fixtures. All signages texts/pictograph will be in Hindi & English font & sizes as per drawing & design and shall be UV printed on exterior grade clear vinyl of minimum 120 micron/140 GSM pasted on the Acrylic solid surface sheet.  To be completed as per approved drawing, design, sample and direction of the engineer-in-charge/ architect. as per approved design							
		Signage	TYPE 1 (As per Approved Design) Floor Standing Signage (Size 1950mm x 400mm top thick 35mm & bottom 175 mm thickn Base (Size : 475mmx250mmX 30mm)	3.00			3.0	0 Nos	65,900.00	1,97,700.00
5		'Projection Screen	Projection Screen Providing and fixing of 6 mm the flat Acrylic Solid Surface (ben +12 low VOC fully fire retardant Ply as cladding on existing wall/M.S frame/WPC Surface has to be finished as matte for projection to be played on this.  To be completed as per approved drawing, design, sample and direction of the engineer-in-charge/ architect. Contractor/ Vendor should have to prepare one sample and only after getting it approved from the Engineer in charge/ Architect, they should start the actual production.							
			Digital Orientation Wall	2	4.80 4.02	3.	_			
					4.02	3.	58.21		14,767.00	8,59,616.60
9		Signage	Providing and fixing of museum gallery Signage made of brass letter as per the approved drawing. The letter will be 10mm thick & height of the letter will be 50 mm in case of English and 50 mm in respect of Hindi and other language including matra (50 mm for Hindi alphabets & 75mm for matra). Brass having thickness of 18 gauge/ 1.2 mm finishing with approved colur & shade fixed with 30mm solid teak wood finish with polish. complete job as required and as per the direction of engineer in charge.	2.00	1.20	0.	15 1.0	8 Sqm	78,700.00	78,700.00

6	NSOR	cobble sand	Providing and laying shaped cobble sand stone 80 -100 mm thick average thickness size of cobal stone 150x150 mm as directed laid on average 25-30 mm thick motor base 1:3 1 (1cement: 3 sand ) with admixture of cement hardener of approve make like pidlilte, Fosroc or equivalent including compaction and proper embedding/ laying of shaped cobble stone in design with gap of 8 -10 mm all around the stone as directed and filling of the joints with cement motor 1:2 (1 cement: 2 send) with pigment to much the colour and shade looking edge with cc (M-20) top cleaning with hard wire brush, finished etc. with all respect including all wastages, transportation etc. complete						Sqm	2240.97	2,240.97
		-	Pathway	1.00	30.00	3.30		99.00			
		-	Pathway		22.70	2.50					
				1.00	10.00	2.50		56.75			
		-		1.00	10.00	3.30		25.00			
		-		1.00		3.00		33.00 30.00			
			Pathway	1.00	30.00	3.30		99.00			
			Entry	1.00	6.00	12.50		75.00			
				1.00	0.00	12.50		417.75			
								418.00	Sqm	2240.97	9,36,725.46
7		Kerb stone	Providing and Fixing fine dressed "kerb stone (Sand stone) along with path way /gardening, tapper/round with top edges in cement sand mortar 1:3 including pointing with white cement an admixture of pigment complete in all respect as per direction of Engineer incharge. Size 100 x 450 mm  Pathway	2.00	30.00			50.00			
		-	Pathway	4.00	23.00			60.00 92.00			
$\vdash$	<del>                                     </del>	<del>                                     </del>		2.00		<del>                                     </del>		20.00			
$\vdash$	<u> </u>			1.00	10.00	$\vdash$		10.00			
$\vdash$	<u> </u>		Pathway	1.00	30.00			30.00			
	+	<del> </del>	Entry	1.00	9.00		-	9.00			
		<del>                                     </del>	<sub>1</sub>	1.00	3.00			221.00			
	<b>—</b>				<b>-</b>			221.00	Rmt	1550.00	3,42,550.00
		<del>                                     </del>			<u> </u>			221.00	MILE	1550.00	3,42,330.00
		Red sandstone flooring	40 mm thick machine-cut rubbed Sand stone (Red Shivpuri/ Basodha or local stone matching colour and hardness properties) on steps/ tread/ riser/ Landing/ Flooring, Best Quality Stone, as approved by Engineer-in-charge, with specific design and as per drawing upt to any height, with necessary scaffolding/ centering etc., over 20 mm (average) thick base of cement mortar 1:5 (1 cement: 5 sand) including pointing with cement mortar 1:2 (1 cement: 2 sand) with an admixture of pigment to match the shade of stone. For protection of stone, from weathered action coats of protection layer shall be apply on whole stone surface area, Stonework should have coated of water repellent silicone free (transparent in colour) in two or more coats of clear coat of make Killick Gaurd pidilite / k2 / Nippon/ equivalent. The process of coating should be followed: (i) cleaning of stone (ii) rubbing and polishing of stone (iii) first coat of clear algae and after drying of this coat, (iv) second coat of clear HD shall be applied. All this coating shall be done with spray paint machine until complete impregnation. All work shall be done in satisfactory manner and as per instructions of Engineer-in-charge.								
			Tourist Experience Center	1.00	11.00	20.00		220.00			
			Steps	1.00	7.40	2.50		18.50			
				1.00	7.60	2.50		19.00			
				6.00	0.15	2.50		2.25			
			Semi-Open Lobby	1.00	10.00	12.50		125.00			
				2.00	12.50	0.60		15.00			
				4.00	12.50	0.15		7.50			
			Hunarshala	1.00		20.00		250.00			
			Steps	1.00	8.00	2.50		20.00			
				1.00	8.00	2.50		20.00			
				6.00	0.15	2.50		2.25			
			Shops	15.00	2.50	2.50		93.75			
	-		OAT Steps	15.00	2.40	0.60		21.60			
	1			15.00	2.40	0.15		5.40			
	1				1			820.25			24.07.5
8		Steel Jali	Providing and fixing of 4mm thk corten steel /S.S sheet with CNC cut Artwork (Jali) in 50% of the area on which paneling is done and backed with 25mm thk stone backing and 10% area with 2 mm SS artwork pated over/under the paneling. Item Rate to include jointing and finishing of corten steel and Khavada stone to a flush finish with recommended framework/dry cladding system / clamping system all complete. Maximum Height Upto :4500mm. corten steel paneling on concrete wall surface.					820.00	sqm	2680.00	21,97,600.00
		dry cladding	Shops Providing and fixing dry cladding upto 10 metre height with 30 mm thick gang saw cut stone with machine cut edges of uniform colour and size upto 1mx1 m, fixed to structural steel frame work and/ or with the help of cramps, pins etc. and sealing the joints with approved weather sealant as per Architectural drawing and direction of Engineer-incharge. (The steel frame work, stainless steel cramps and pins etc. shall be paid for separately).	22.00	2.50	2.00		110.00	sqm	16780.00	18,45,800.00
			1		<del>                                     </del>	$\vdash$				<del>                                     </del>	
		-	Rod cand stone 20 mm thick gars some sit stone		i	i 1					
			Red sand stone - 30 mm thick gang saw cut stone	2.00	15.00	$\vdash$	3 60	100.00			
			Red sand stone - 30 mm thick gang saw cut stone Tourist Experience Center	2.00			3.60	108.00			
			Tourist Experience Center	1.00	15.00		3.60	54.00			
				1.00 2.00	15.00 20.00		3.60 3.60	54.00 144.00			
			Tourist Experience Center	1.00	15.00		3.60	54.00	Sqm	2,902.65	9,92,706.30

1											
## 12   10   10   10   10   10   10   10	46					1.00		1.00	Each	1,30,000.00	1,30,000.00
Makewise (pergo marked by Copper) of the 15th marked Marked PM Copper) of the 15th marked PM Copper) o	47				Seats - structure made of FRP(4 TO 5 MM Thick, Handralls - structure made of M.S. 1" Pipe Round Pipe finish with PU Paint over two coat of epoxy primer Play Area, 2.5 Mtr.x	1.00		1.00	Each	45,000.00	45,000.00
	48				thickness, Springs – Heavy Duty Springs of 8 to 10 mm thickness.  Seats – Made of FRP Chequred sheet.Handrails - structure made of M.S. 1" Pipe (IS1239-	1.00		1.00	Each	32,000.00	32,000.00
	1				different numbers of ambry stone and two coats of 124 no sealer coat to prevent from weather including fixing on a pedestal (cost of pedestal to be paid separately)etc. complete as per direction of engineer in charge. Size: length 1500mm, width 600mm, legs	18.00		18.00	Each	9,700.00	1,74,600.00
Part C PVOS DR 2004 Selectival	2				numbers of ambry stone and two coats of 124 no sealer coat to prevent from weather including fixing on a pedestal (cost of pedestal to be paid separately)etc. complete as per	7.00		7.00	Each	7,900.00	55,300.00
Part wring (excluder) and after the print wring surface (excluder) and after the print wring surface (excluder) and a fine the print wring surface (excluder)					Total						2,25,24,677.33
Part wring (excluder) and after the print wring surface (excluder) and after the print wring surface (excluder) and a fine the print wring surface (excluder)					Part C DWD SOR 2024 Electrical						
S-1.1 primary and primary an		5.1		surface rigid P.V.C. casing	Point wiring (excluding metallic switch box & sheet but including switches, sockets, lamp holders/ceiling roses etc) with 1.5sq. mm. PVC insulated cable FRLS with copper multi strand conductor ISI marked in Surface rigid P.V.C. casing and caping ISI marked of suitable size and 1.5sq. mm. PVC insulated FRLS copper earth continuity conductor of green colour inside casing & capping screwless connector for joints etc. as required as per						
				points primary							
								+			21,480.00
S.1.2   Longing point											32,050.00
Socket 6A   3 in 8 Amp socket outlet on separate board   S.1.3 in 5 in				Looping point		40.00		40.00	20011	3 13130	37,720.00
S.1.3   Sep.			5.1.2.3		·	20.00		20.00	Each	472.00	9,440.00
S.1.32   Medium   Medium point   20,005   25,00   25,00   26,00   30			5.1.3	sep.				-			-
5.1.3.3   Long   Long point   10.00											9,620.00
Socket same board 6A Socket stame board 6A S					·			+			
S.S.S.   S.S.S.   S.S.S.   S.S.S.   S.S.S.   S.   S.S.S.   S.S.S.   S.S.S.   S.   S.S.S.S.	53	5.2		Socket same board	Point wiring (excluding metallic switch box & sheet but including switches, sockets) for 3 pin 6 Amp. socket outlet point with 1.5sq. mm. PVC insulated cable FRLS with copper multi strand conductor ISI marked in Surface rigid P.V.C. casing and caping ISI marked of suitable size and 1.5sq. mm. PVC insulated copper earth continuity conductor of green					·	3,710.00
5.3.2 4 Wire 4x2.5 Sq.mm. Point wiring (excluding metallic switch box & sheet) for 3 Pin 16 Amp. socket outlet point wiring wiring surface stell rigid conduit specification for:  6.1.1 Power point  6.1.1 Medium Point Medium point  6.1.1.1 Long Long point  5.5.2 Sq. man Point strand conductor of green colour inside conduit, screwless connector for joints as per specification for:  5.5.2 Sq. man Point Sq. man Point P	54	5.3		_	ISI marked in Surface rigid P.V.C. casing and caping of ISI marked suitable size etc. as						-
Point wiring (excluding metallic switch box & sheet) for 3 Pin 16 Amp. socket outlet point with 4s, mm. PVC insulated cable FRLS with copper multi strand conductor ISI marked in concealed rigid PV.C. conduit (HMS) ISI marked and 4sq. mm. PVC insulated strand conductor is marked in concealed rigid PV.C. conduit (HMS) ISI marked and 4sq. mm. PVC insulated strand conductor is marked in concealed rigid PV.C. conduit (HMS) ISI marked and 4sq. mm. PVC insulated strand conduits are with 20/16 Amp. F.T. switch & socket/S.S. combined 20/16/6 Amp. of ISI marked and 4sq. mm. PVC insulated strand conduits are with 20/16 Amp. F.T. switch & socket/S.S. combined 20/16/6 Amp. of ISI marked and 4sq. mm. PVC insulated strand conduits are with 20/16 Amp. F.T. switch & socket/S.S. combined 20/16/6 Amp. of ISI marked and 4sq. mm. PVC insulated strand in the 20/16 Amp. F.T. switch & socket/S.S. combined 20/16/6 Amp. of ISI marked and 4sq. mm. PVC insulated strand in the 20/16 Amp. F.T. switch & socket/S.S. combined 20/16/6 Amp. of ISI marked and 4sq. mm. PVC insulated strand in the 20/16 Amp. F.T. switch & socket/S.S. combined 20/16/6 Amp. of ISI marked and 4sq. mm. PVC insulated strand in the 20/16 Amp. F.T. switch & socket/S.S. combined 20/16/6 Amp. of ISI marked and 4sq. mm. PVC insulated strand in the 20/16 Amp. F.T. switch & socket/S.S. combined 20/16/6 Amp. of ISI marked and 4sq. mm. PVC insulated strand in the 20/16 Amp. F.T. switch & socket/S.S. combined 20/16/6 Amp. of ISI marked and 4sq. mm. PVC insulated strand in the 20/16 Amp. F.T. switch & socket/S.S. combined 20/16/6 Amp. of ISI marked and 4sq. mm. PVC insulated strand in the 20/16 Amp. F.T. switch & socket/S.S. combined 20/16/6 Amp. F.T.					·						33,920.00
6.1.1.1 Medium Medium point 10.00 10.00 Each 1,867.00 18,670.0 15.00 15.	56	6.1	J.3.2	Power point wiring surface steel	Point wiring (excluding metallic switch box & sheet) for 3 Pin 16 Amp. socket outlet point with 4sq. mm. PVC insulated cable FRLS with copper multi strand conductor ISI marked in concealed rigid P.V.C. conduit (HMS) ISI marked of suitable size etc. with 20/16 Amp. F.T. switch & socket/S.S. combined 20/16/6 Amp. of ISI marked and 4sq. mm. PVC insulated FRLS copper earth continuity conductor of green colour inside conduit, screwless connector for joints as per specification for:	500.00		300.00	IVILI	174.00	-
59 30.1 Long Diplying, erection and testing of approved make electric Ceiling fan of double ball bearing complete with standard down rod, canopy, hanging shackle, Aluminium blades, without regulator, A.C. 230-250 volts including connections with all necessary material confirming to IS:374/2019 with upto date amendments.  60 30.1.2 1200 mm sweep delivery 210 m²/min and service value ≥ 4.00 as per BEE.  61 30.2 Wall mounting fan  50 30.2.1 300 mm 300 mm sweep  30.4 Fresh air fan  61 Supplying, erection and testing of approved make lectric Ceiling fan of double ball bearing complete with standard down rod, canopy, hanging shackle, Aluminium blades, without regulator, A.C. 230-250 volts including connections with all necessary material confirming to IS:374/2019 with upto date amendments.  10.00 10.00 Each 2,292.00 22,920.00 22,920.00 10.00 Each 2,292.00 10.00 Each 2,292.00 10.00 Each 2,292.00 10.00 Each 2,478.00 39,648.00 10.00 Each 2,478.00 39,648.00 10.00 Each 2,478.00 39,648.00 10.00 Each 2,478.00 Ea					·	4			F :		40.070
Supplying, erection and testing of approved make electric Ceiling fan of double ball bearing complete with standard down rod, canopy, hanging shackle, Aluminium blades, without regulator, A.C. 230-250 volts including connections with all necessary material complete of approved as required confirming to IS: 374/2019 with upto date amendments.  60 30.1.2 1200 mm sweep  Wall mounting fan Supplying, erection and testing of approved make wall mounting fan oscillating type with base, blades, guard, speed regulator etc. AC 230-250 volts with connections and including raw bolt/anchor hole fastener etc. complete finished and as required.  30.4 Fresh air fan Fresh air fan with connection and including frame bolt/anchor hole fasteners etc. complete finished and as required.					·						18,670.00 42,840.00
60 30.1.2 1200 mm sweep Ceiling Fan (ISI marked)-1200 mm Sweep, with minimum air delivery 210 m³/min and service value ≥ 4.00 as per BEE  Wall mounting fan 30.2.1 300 mm 300 mm sweep  30.4 Fresh air fan Fresh air fan With connection and testing of approved make 'Fresh air fan' AC 230-250 volts with connection and including frame bolt/anchor hole fasteners etc. complete finished and as required.  10.00 Each 2,292.00 22,992.00  10.00 Each 2,292.00  10.00 Each 2,292.00 22,992.00  10.00 Each 2,292.00 22,992.00  10.00 Each 2,292.00 22,992.00  10.00 Each 2,292.00 22,992.00  10.00 Each 2,292.00  10.00 E	59	30.1		Electric ceiling	Supplying, erection and testing of approved make electric Ceiling fan of double ball bearing complete with standard down rod, canopy, hanging shackle, Aluminium blades, without regulator, A.C. 230-250 volts including connections with all necessary material complete of approved as required	23.00		23.00		2,350.00	-
Sweep delivery 210 m²/min and service value ≥ 4.00 as per BEE.  Wall mounting fan  30.2 30.2.1 300 mm Sweep  30.4 Fresh air fan Weit connection and testing of approved make "Fresh air fan" with connection and including frame bolt/anchor hole fasteners etc. complete finished and as required.  10.0 16.00 Each 2,478.00 39,648.0  Supplying, erection and testing of approved make 'Fresh air fan' AC 230-250 volts  with connection and including frame bolt/anchor hole fasteners etc. complete finished and as required.	60		30.1.2		Ceiling Fan (ISI marked)-1200 mm Sweep, with minimum air	10.00		10.00	Each	2.292.00	22,920.00
30.2.1 300 mm 300 mm sweep  Supplying, erection and testing of approved make 'Fresh air fan' AC 230-250 volts with connection and including frame bolt/anchor hole fasteners etc. complete finished and as required.		30.2		Wall mounting	Supplying, erection and testing of approved make wall mounting fan oscillating type with base, blades, guard, speed regulator etc. AC 230-250 volts with connections and including	2.20				,	-
Supplying, erection and testing of approved make 'Fresh air fan' AC 230-250 volts  Fresh air fan with connection and including frame bolt/anchor hole fasteners etc. complete finished and as required.			30 2 1		300 mm sweep	16.00		16.00	Fach	2 478 00	39 648 00
		30.4	30.2.1		Supplying, erection and testing of approved make 'Fresh air fan' AC 230-250 volts with connection and including frame bolt/anchor hole fasteners etc. complete	10.00		10.00	Eacli	2,4/8.00	- 33,046.00
, , . , , 1			30.4.2	225 mm	225 mm sweep bush type	2.00		2.00	Each	1,497.00	2,994.00

	37.40		Safe earthing	Supply and erection of approved make safe earthing electrode consisting pipe-in-pipe								
			electrode	technology as per IS 3043-1987 made of corrosion free G.I. pipes with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable								
1			consisting pipe-in-pipe	for effective and maintenance free earthing in earth pit of minimum bore dia. 150mm								
			technology	size, as mentioned below :								
		37.40.1	2 Metre G.I.	With 2 metre G.I. pipes having outer pipe dia of 50mm having 80-200 micron galvanizing,								
			pipe, outer	Inner pipe dia. of 25mm having 200-250 micron galvanizing, connection terminal dia. of								
			dia 50 mm	12mm in nominal soil with 25 kg (one Bag) back filling bentonite compound UL listed and	2.00				2.00	Each	8972	17,944.00
				confirm to relevant International/Indian standards around electrode upto ground level								
	37.41		Back filling	Providing back filling bentonite compound suitable for safe earthing device. The product								
2	57.12		bentonite	should be UL listed and confirm to relevant International/Indian standards	120.00				120.00	Kg	134	16,080.00
			compound									
	37.42		Polycarbonat	Supply and installation of polycarbonate heavy duty pit cover tested for 5000Kg SWL for								
3			e heavy	earth electrode at ground level size 300x 300x155 mm with lockable lid.	4.00				4.00	Each	1501	6,004.00
			duty pit cover									
	46.41		Control cable	Controlcable: - Supply and laying, testing & commissioning of following sizes of copper								
4				conductor control cables on existing tray including fixing clamps & proper connections to								
				equipment etc. complete as required								
		46.41.3	4Cx2.5 sq.mm	4Cx 2.5 sq.mm					200.00	Rmt	214	42,800.00
		46.41.4	4Cx4 sq.mm	4Cx 4 sq.mm					220.00	Rmt	350	77,000.00
		40.41.4	G.I. tape 38x6									4,440.00
	38.33		G.ii. tape soxo	require	20.00				20.00	RM	222	4,440.00
			Laying cu./G.I.									460.00
			tape	required	20.00				20.00	RM	23	
	37.34	[	32x6mm		1			1			1	
	1		6 SWG dia G.I	Providing and fixing 4.0mm (8 SWG) dia G.I. wire on surface or in recessed for loop								1,250.00
		[	wire on	earthing as required	50.00			1	50.00	RM	25	
		[	surface/reces		30.00				30.00	NIVI	23	
<u> </u>	37.17		sed Earthing with	Earthing with conner earth plate Coopers V Coopers V 2000 Abital traduction	-	1					-	22.502.50
		[	copper	Earthing with copper earth plate 600mm X 600mm X 3mm thick including accessories and providing masonry encloser in cement mortar, cover plate having							1	32,682.00
			earth plate	locking arrangement on the top and G.I. watering pipe 20mm dia 2.7 metre long	2.00				2.00	No.	16,341	
			600x600x3	etc. (but without charcoal or coke and salt) complete as required								
	37.4		mm									
			Earthing with G.I.	Earthing with G.I. earth plate 600mm X 600mmX 6mm thick including accessories and								14,974.00
			earth plate	providing masonry encloser in cement mortar, cover plate having locking arrangement on the top and G.I. watering pipe 20mm dia 2.7 metre long etc. (but without charcoal or	2.00				2.00	No.	7,487	
			600x600x6	coke and salt) complete	2.00				2.00	140.	7,407	
	37.3		mm	as required								
				Supplying, installation testing and commissioning of 11/0.4 kv 3phase 50cycle oil								
				immersed, naturally cooled, outdoor type transformer connected delta on H.T. side and								
				star on L.T. side dehydrating silica gel breather on eye level rating and diagram plate two earthing terminal lifting lugs oil level gauge drain valve with plug temperature not								
			Transformers									
5	42.71		33/0.4 KV 3	horns, explosion vent terminal arrangement bushing on H.V side and cable box on LV side								-
			Phase	first filling of oil upto desired level and transformer installing on existing structure with all								
				required material arrangement as required ISI marked & as per IS Specification hand								
				operated off load tap changer switch above 100kva oil conservator with drain valve plug 63KVA and above.								
				oskya unu ubove.								
			Level-2	Energy efficiency level -2 (New level -1)								
		42.71.1		Copper wound								
		42.71.1.1		100 Kva	1.00	+			1.00		651820	6,51,820.00
			Construction	Designing and construction of pedestal (plinth) for transformer of desired size including excavation in hard rock/soft rock, base concrete M-7.5 (1:4:8), 20mm metal and pedestal		1.20	1.80			Cu. Mt.	7379	
			pedestal	of RCC M-15 (1:2:4) including required tar steel reinforcement for required height as per								
	42.87		(plinth) for	IE rules from base concrete including shuttering and finishing with 10mm thick plaster in	1.00			1.5	3.24			23,907.96
			transformer	cement mortar 1:3 curing & white washing etc. complete as per specifications.								
			6-11	Description () Marking and her state of the		1					ļ	
		[	Cable end termination	Providing & Making cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for 33 ky/11 kv 3 core XLPE Alum. Conductor cable				1			1	
	l	[	with	as required as per specification and as per accepted standard including connection testing				1			[	
6	41.10	[	heat	complete.				1			1	-
		[	shrinkable					1			1	
			jointing kit	44 laurille 2 east Heat shrinkahla in int tit 44 laurille 2 coop		-					-	
		41.10.1	core	11 kv xlpe 3 core Heat shrinkable joint kit 11 kv XLPE 3 CORE							1	-
			11 KV XLPE	HEAT SHRINKABLE JOINTING KIT 11 KV XLPE CABLE O.D. TERMINATION				1				
		41.10.1.1									1	-
			termination									
7		41.10.1.1.	3X16-50 Sq.	3X16-50 Sq. mm	2.00				2.00	Each	9194	18,388.00
		1	mm High-tension	Supply of approved High Tension XLPE Cable (Conforming IS- 7098/II/85) as per ISI		<del>                                     </del>					<u> </u>	
		[	XLPE cable, 1					1			1	
	41.3		core	· ·							1	-
			armoured al.								1	
		-	conductor	3 Core XLPE Cable 11 Kv Grade	-	1					-	
		41.3.1	3 core XLPE cable 11 Kv	2 COIE ALPE CADIE 11 NV GIAGE							1	_
	<u>L</u> _	L	grade		<u>L_</u> _	<u></u>	<u></u>				<u></u> _	<u></u>
8		41.3.1.1	50 sq. mm	50 sq. mm	80.00				80.00	Meter	786	62,880.00
			Double wall	Supplying and installing double wall corrugated pipes (DWC) of HDPE (IS 14930 Part II -								
			corrugated	marked) for cable laid underground with necessary material and at required depth upto							1	
	41.14	[	pipes (DWC) of	90cm. below road/ground surface, excluding excavation, back filling with excavated material, ramming and making the surface good.				1			1	
		[	HDPE					1			1	
		41.14.1	-	50.00mm outside dia.	80.00		1	1	80.00	Meter	133	10,640.00
i i				•							•	

4.15		ı	T	110.00mm	110.00mm outside dia	<u> </u>	ı					
			41.14.4		110.00mm outside dia	120.00			120.00	Meter	252	30,240.00
1.		41.15		Cable laying	· -							
Value   Valu	9		41.15.1	grade of size not exceeding	exceeding 25 sq. mm direct in ground including excavation in all soil/murram /soft rock	80.00			80.00	Meter	230	18,400.00
	6	41.1										
			41.1.10									
10   1.5     2.5     2.5     2.5     2.5     2.5     2.5   2.5     2			41.1.10.1		6 sq mm	2,000.00			2,000.00	mtr	151.00	3,02,000.00
9			41.1.10.2	10 sq. mm.		1,000.00			1,000.00	mtr	181.00	1,81,000.00
1.   1.   1.   1.   1.   1.   1.   1.	9	41.8		lugs	cramped with high pressure tool & connection to switch gear terminal as required							-
	10		41.8.1		Aluminium lugs pin type							-
13   29.27			41.8.2	mm	upto 16sq mm conductor	500.00			500.00	each	19.00	9,500.00
12   29.98   Company   Comment of the England Property Microscopy   Company   Compan	11	29.27		·	with power coated paint & provided with required gasket for dust/ vermin proof with degree of protection IP42 suitable for 415V 3 phase 50hz, 4 wire system fabricated out of CRCA sheet upto 2mm thick (1.6mm for doors) duly comaprtmentalized for incomer, bus section, outgoings, cable alleys & CT PT ampere meter, violt meter, selector switches, frequency meter phase indicating, energy meter complete including cost of bus bars supports deatachable cable glands plates, 2 earthing terminals, internal wiring & fixing of spearately supplied MCBs. MCCBs, ACBs panel mounted changeover switches / SFUs etc as required but excluding cost of bus bar strips. Ampere meter, voltmeter, selecor switch as per approved design & specification.	4.00	180.00		720.00	kg	397.00	2,85,840.00
23.32   Oignate with selector with the HIRC fuse	12	29.28										-
2   28.28   Copper bus bar strips with PVC sleeves   1.00   1.00   Kg   788.00   788.60   7												4,250.00
13   22.25   Aluminum   Aluminum Bus bar strips with PVC sleeves												4,796.00
13   273			29.28.4		Copper bus bar strips with PVC sleeves	1.00			1.00	Kg	/88.00	/88.00
13   273												11,360.00
27.3.1   300A, 25kA   300A   25kA   49   adjustable overload setting 80%-100% of in , adjustable short circuit   2.00   2.00   Nos   9,781.00   58,866.6	13	27.3		N, 4Pole, 50Hz, 415V (thermal - magnetic	for 3 phase $\&$ N 4 pole 50HZ ,415V (Ics= 100%lcu ) AC supply with TM based having respective breaking capacity (KA) at 415V cited against their range standard conforming to							
27.8.1   Single pole   Single pole pole   Single pole   Single pole   Single pole   Single pole   Single pole   Single pole pole   Sin			27.3.1	100A, 25kA,		6.00			6.00	Nos	9,781.00	58,686.00
MGB   Composition   Series   Supply of ISI marked and accepted standard of miniature circuit breaker (MCB) of C series with short circuit, indication, suitable for 240/415V, to Cycle, 240/415V, 50 Cycle, 240/415V,			27.3.3			2.00			2.00	Nos	15,835.00	31,670.00
27.8.1   Single pole   MCB SP 6A to 32A 10KA rating   33.0   38.00	14	27.8		MCB 'C' Series, 240/415V, 50 Cycle,	Supply of ISI marked and accepted standard of miniature circuit breaker (MCB) of C series with short circuit, indication , suitable for 240/415V Volts , 50 cycle , 10KA / 15KA value AC supply conforming to IS 8828: 1996 IEC : 60898: 2002 & 60947-2 but without							
27.8.12   32A, 10kA   MCB PP 6A to 32A 10KA rating   35.00   35.00   Nos   887.00   31,045.00			27.8.1	Single pole	Single pole							
27.8.2   Double pole   Double pole			27.8.1.2		MCB SP 6A to 32A 10KA rating	80.00			80.00	Nos	263.00	21,040.00
27.8.2.2   32A 10KA   MCB DP 6A to 32A 10KA rating   35.00   35.00   Nos   887.00   31,045.00			27.8.2	Double pole	Double pole							
27.8.3   Three pole   Three pole   MCB TP 6A to   7.8.3.2   32A 10KA   MCB TP 6A to   32A 10KA rating   25.00   25.00   Nos   1,411.00   35,275.00     27.8.4.2   Four pole			27.8.2.2	32A 10KA	MCB DP 6A to 32A 10KA rating	35.00			35.00	Nos	887.00	31,045.00
7.8.3.2   32A 10KA rating   25.00   25.00   Nos   1,411.00   35,275.00   35,275.00   27.8.42   Four pole   Four			27.8.3	Three pole	Three pole							
27.8.4.2   Four pole   Four pole   Four pole			7.8.3.2	32A 10KA	MCB TP 6A to 32A 10KA rating	25.00			25.00	Nos	1,411.00	35,275.00
32A, 10kA  27.8.4.4 MCB FP 50Amp to 63 Amp 10kA rating  Sub-mains in recessed/con cealed rigid steel conduit required as per specification  21.1.2 3 Wire  32A, 10kA  MCB FP 50Amp to 63 Amp 10kA rating  4.00  4.00  And And And And And And And And And An		27.8.4			Four pole							
27.8.4.4 MCB FP SOAmp to 63 Amp 10kA rating SoAmp to 63 Amp 10kA rating 4.00 And 11,180.0 Nos 2,795.00 Nos 2,795			27.8.4.2		MCB FP 6Amp to 32Amp 10kA rating	6.00			6.00	Nos	1,965.00	11,790.00
rating  Sub-mains in recessed/con recessed/con recessed/con reguired as per specification  21.1 2 3 Wire  Sub-mains in recessed/con recessed/con required as per specification 3 Wiring of sub mains with PVC insulated cable FRLS with copper multi strand conductor ISI marked in recessed / concealed rigid steel ISI marked conduit of suitable size (conduit required as per specification 3 Wire sub main  Sub-mains in recessed/con required in recessed / concealed rigid steel ISI marked conduit of suitable size (conduit required as per specification sub-mains in recessed / concealed rigid steel ISI marked conduit of suitable size (conduit required as per specification sub-mains in recessed / concealed rigid steel ISI marked conduit of suitable size (conduit required as per specification sub-mains in recessed / concealed rigid steel ISI marked conduit of suitable size (conduit required as per specification sub-mains in recessed / concealed rigid steel ISI marked conduit of suitable size (conduit required as per specification sub-mains in recessed / concealed rigid steel ISI marked conduit of suitable size (conduit required as per specification sub-mains in recessed / concealed rigid steel ISI marked conduit of suitable size (conduit required as per specification sub-mains in recessed / concealed rigid steel ISI marked conduit of suitable size (conduit required included include			27.8.4.4	MCB FP 50Amp to 63	MCB FP 50Amp to 63 Amp 10kA rating	4.00			4.00	Nos	2,795.00	11,180.00
	15	21.1	24.12	rating Sub-mains in recessed/con cealed rigid steel conduit	marked in recessed / concealed rigid steel ISI marked conduit of suitable size (conduit included) including accessories long neck threaded type, connection painting etc as required as per specification							
			21.1.2	3 Wire	3 wire sub main 2.5sq mm cable	1,500.00			1,500.00	mtr	270	4,05,000.00

1										
1	-					VRV/VRF outdoor AC unit:- Supply installation testing and commissioning of VRV /VRF				
1										
1   64.14		İ								
1						both options, special pre-coated fin type heat exchanger, low noise direct driven propeller				
1   93,26							VDV/\/DE			
Act		İ				microprocessor controls, safety. The condensing unit should be capable of providing			16 10	1
Section   1.5 cm		İ				cooling between +/- 5deg. C. to 48 deg. C & heating within 0 deg. C to 15 deg. C, COP not			40.10	1 1
Mathematical Content of the Conten		İ				less than 3.3. Each system should have the provision to combine maximum 3 nos	AC UIII			
		İ				compressor in each outdoor unit, every single outdoor unit should not have more than				
46,15.5   20   19		İ								
						Outdoor/indoor units should be of same make (brand). (Single phase/three phase)				
2   42.28				1		-				
2	5,91,261.00	591261	Each	1			18.9 22 HP	46.18.9		
2	-						VRF/VRV			
2		İ								
1.						rl =			46.28	2
4 4.72   5.54   1.11		İ				& ON/OFF display with inbuilt drain pump & decorative panels including internal wiring,				
4		İ				controls with wireless remote controller. (Single phase/three phase	package)			
4	7,85,932.00	100493	Fook	4		4 12 TD	00 1 4 12 TD	46 20 1		<del></del>
Copper pipers   Supply, installation, seeing and commonousing of interconnecting opport references proper references promotive formulation the technology of the property piper shall be provided in the state of the property piper shall be provided in the state of the property piper shall be provided in the property piper shall be provided in the property of the property piper shall be provided in the property of the property piper shall be provided in the property of the property piper shall be provided in the property of the property				4					1	
1	8,38,140.00	209535	Each	4			28.2 6.54 IK	46.28.2	-	<b>├</b>
3	-	İ				_ 11 11 E 11 E 11 H				
3		İ								
Surrier and weather protection, Joins Shall be covered with mile nobes tape of 3 mm		1					Copper piping		46.30	3
Michael Completes as per specifications   1.4 cm   1.0		ľ					1			1
68-032   4.1 mm co   6.1 mm co   0.1 mm		ľ				1	1			1
6.63.04   3.49mm OD   24.5 mm OD. wall thickness > 2.14mm (postalation - 19 mm thick)   2.0 mm thick   1920   2.5 mm OD. wall thickness > 1.5mm (postalation - 19 mm thick)   2.0 mm thickness   2.2 mm t	71,370.00	2379	Rmt	30			30.2 41 1mm OD	46.30 2	+	
46.03.5   S. Bermo CD   22.7 mm CD. wall thickness 2 a Loren (foodballon - 19 mm thick)   2.0 mm to   1975	54,630.00				<del>-   -  </del>				+	
48.307   2.22mm OD   313 mm OD   well thickness   2.10mm (plasslation – 13 mm thick)   4.4 mm   4.8	27,800.00				<del>     </del>				+	$\vdash$
46.30 a   39.1 mm OD   151 mm OD   0.04 mm OD   155 mm OD   0.04 mm OD   155 mm OD   0.04 mm OD   155 mm OD   0.04 mm OD   155 mm OD   0.04 mm OD   155 mm OD   0.04 mm OD	19,500.00				+ +	, , , , , , , , , , , , , , , , , , , ,			+	<u> </u>
46,320   12,59mm CD   155 mm CD   volatificiness 2.0 Rem (inclusion — 13 mm thick)   44 Rent   689					<del></del>				+	<u> </u>
48,03.01   2.7mm OD   12.7mm OD   12.7mm DD   12.7mm DD   12.7mm DD   12.7mm DD   12.7mm DD   12.7mm DD   13.7mm	39,116.00								+	<u> </u>
46   50.01   3.5 mm CO   5.5 mm CO   2.5 mm CO   3.5	56,810.00					` '			+	<u></u>
4   46,3012   5.4 mm OD   5.4 mm OD. wall thickness \$0.8 mm (insulation – 1.3 mm thick)   40   6.7 mt   475	30,316.00									
4 6.31 Drain piping - Providing and fixing of CPVC, Stg/Cm2 drain water piping with fittings. 4 6.31.2 25 mm dia 12 mm dia 12 mm dia 12 mm dia 13 22 mm dia 14 22 22 22 22 22 22 22 22 22 22 22 22 22	35,280.00		Rmt			· · · · · · · · · · · · · · · · · · ·				L
4 6.31 Doals piping to complete as per specification. Complete as per specification. Complete as per specification. Complete as per specification. Complete as per specification. Complete as per specification. Complete as per specification. Complete as per specification. Complete as per specification. Complete as per specification. Complete as per specification. Complete as per specification. Complete as per specification. Complete as per specification and eventure of an algorithm of the complete as per specification. Complete as per specification and eventure of the complete as per specification. Complete as per specification and eventure of the complete as per specification. Complete as per specification and eventure of the complete as per specification. Complete as per specification and eventure of the complete as per specification. Complete as per specification and eventure of the complete as per specification. Complete as per specification and eventure of the complete as per specification and eventure of the complete as required.  46.41	19,000.00	475	Rmt	40		6.4 mm O.D. wall thickness ≥ 0.8mm (insulation – 13 mm thick)	0.12 6.4 mm OD	46.30.12		
46.312 25 mm dia 12 mm dia 12 mm dia 12 mm dia 12 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 13 mm dia 14 mm dia	-	İ				Drain piping :- Providing and fixing of CPVC, 6Kg/cm2 drain water piping with fittings,				
46.31.3   32 mm dia   2 mm dia   33 mm dia   33 mm dia   32 mm dia   33 mm dia   33 mm dia   33 mm dia   34 mm dia   32 mm dia   34 mm dia   32 mm dia   33 mm dia   33 mm dia   34 mm d		İ					Drain piping		46.31	4
Act   Act		<b></b>								
S   46.34   Refrigerant: Supply and additional refrigerant charge of refrigerant RAIO/410A & equivalent for friendly green gas to compensate the additional piping done at site for all systems including testing commissioning as required.   35   Kg   1437	4,040.00		Rmtr			25 mm dia ID				L
S	17,820.00	297	Rmtr	60			31.3 32 mm dia	46.31.3		
systems including testing commissioning as required,  46.41 Vijoints - Supply, installation, testing & commissioning of ref nut/Y-joints brass for indoor and outdoor units of suitable size as per requirement,  Control cable  Control cable  Control cable  Control cable  Communication on cable of control cable or conductor control con	50,295.00	İ								
systems including testing commissioning as required,  7		1437	Kg	35			Refrigerant		46.34	5
and outdoor units of suitable size as per requirement,  7			ŭ			systems including testing commissioning as required,				
and outdoor units of suitable size as per requirement,  7	44,000.00					Violets: Supply installation tasting & commissioning of ref nut/V joints brass for indoor			-	<u> </u>
Control cable - Supply and laying, testing & commissioning of following sizes of copper Control cable equipment etc. complete as required.  46.41.1 2 x x 0.75 s q.m. 2 x x 0.75 s q.m. 350 Rmtr 64  46.42 Communication cable - Communication cable - Communication cable - Communication cable - Communication cable - Communication cables on existing tray including fixing clamps & proper connections to equipment etc. complete as required.  2 x 1.5 s q.m. 2 x x 0.75 s q.m. 350 Rmtr 64  46.42.1 2 x x 1.5 s q.m. 2 x x 1.5 s q.m. 30 Rmtr 255  3 46.43 Communication - Supply, fabrication and erection of angle/channel/flat iron stand, hanging arrangement for air conditioning machines & ducts etc, back /support clamps or other similar work etc. including nut bots of required size, making holes, of ename paint as required as per specification in fire farmine, etc. and painting with one coat of red oxide paint & two coat of ename paint as required as per specification in stand in line fan 150 CFM (static pressure upto 20 mm) Installation installation fresh air in line fan: - installation fresh ai	44,000.00	5500	Each	8			ints	Y joints	46.35	6
7 46.41 Control cable conductor control cables on existing tray including fixing clamps & proper connections to equipment etc. complete as required.  8 46.42 Communication Control cables on existing tray including fixing clamps & proper connections to equipment etc. complete as required.  9 46.42 Communication Control cables on existing tray including fixing clamps & proper connections to equipment etc. complete as required.  9 46.43 Communication Control cables on existing tray including fixing clamps & proper connections to equipment etc. complete as required.  9 46.43 Control cables on existing tray including fixing clamps & proper connections to equipment etc. complete as required.  9 46.43 Control cables on existing tray including fixing clamps & proper connections to equipment etc. complete as required.  9 46.43 Control cables on existing tray including fixing clamps & proper connections to equipment etc. complete as required.  9 46.43 Control cables on existing tray including fixing clamps & proper connections to existing tray including fixing clamps & proper connections to existing tray including fixing clamps & proper connections to existing tray including fixing clamps & proper connections to existing tray including fixing clamps & proper connections to existing tray including fixing clamps & proper connections to existing tray including fixing clamps & proper connections & proper connections & proper connections & proper connections & proper connections & proper cannet & connections & proper connections & proper cannet & connections & proper cannet & connections & connection										
Add						and data control cobine on autiting trou including fiving clamps 2 proper connections to				_
46.41.1 Zc x 0.75 sq.mm 2c x 0		İ				e	Control cable		46.41	′
Communication Controlcable: - Supply and laying, testing & commissioning of following sizes of shielded copper conductor Communication cables on existing tray including fixing clamps & proper conductor Communication cables on existing tray including fixing clamps & proper conductor Communication cables on existing tray including fixing clamps & proper conductor Communication cables on existing tray including fixing clamps & proper conductor Communication conductor Communication of angle/channel/flat iron  9						-1				
8 46.42 copper conductor Communication cables on existing tray including fixing clamps & proper connections to equipment etc. complete as required.  2	22,400.00	64	Rmtr	350		m 2C x 0.75 sq.mm	41.1 2C x 0.75 sq.m	46.41.1		
8 46.42 on or cable connections to equipment etc. complete as required.  46.42.1 2Cx1.5 sq.mm  Outdoor stand fabrication Supply, fabrication and erection of angle/channel/flat iron stand, hanging arrangement for air conditioning machines & ducts etc, back /support clamps or other similar work etc. including nut bolts of required size, making holes, fabrication fabrication, esting, cutting, etc. and painting with one coat of red oxide paint & two coat of enamel paint as required as per specification.  Fresh air in fan fan supply, installation, testing and commissioning of fresh air inline fan.  1 150 CFM 150 CFM 150 CFM (static pressure upto 20 mm)  Installation fresh air in line fan: - installation of fresh air in line fa	-						Communicati			
cable   Connections to equipment etc. complete as required.		İ				copper conductor Communication cables on existing tray including fixing clamps & proper			46.42	8
46.42.1 2Cx1.5 sq.mm  Outdoor stand fabrication - Supply, fabrication and erection of angle/channel/flat iron stand, hanging arrangement for air conditioning machines & ducts etc, back /support clamps or other similar work etc. including nut boits of required size, making holes, fabrication in definication, definication, definication, definication, definication, definication, definication, definication, definication, definication, defining, cutting, etc. and painting with one coat of red oxide paint & two coat of enamel paint as required as per specification.  Fresh air in line fan:  150 CFM Iso CFM (static pressure upto 20 mm)  150 CFM Iso CFM (static pressure upto 20 mm)  150 CFM Iso CFM (static pressure upto 20 mm)  46.45 Installation fresh air in line fan: - Installation of fresh air inline fan in line fan						connections to equipment etc. complete as required.			10.42	"
46.42.1 2x1.5 sq.mm  Outdoor stand fabrication :- Supply, fabrication and erection of angle/channel/flat iron stand, hanging arrangement for air conditioning machines & ducts etc, back / support clamps or other similar work etc. including nut bolts of required size, making holes, fabrication, elding, cutting, etc. and painting with one coat of red oxide paint & two coat of enamel paint as required as per specification.  Fresh air in line fan  150 CFM (Static pressure upto 20 mm)  150 CFM (Static pressure upto 20 mm)  Installation fresh air in linaltaliation fresh air in line fan: - Installation of fresh		<u> </u>					Cabic			<u> </u>
Outdoor stand fabrication :- Supply, fabrication and erection of angle/channel/flat iron stand, hanging arrangement for air conditioning machines & ducts etc, back /support clamps or other similar work etc. including nut bolts of required size, making holes, fabrication, welding, cutting, etc. and painting with one coat of red oxide paint & two coat of enamel paint as required as per specification.  46.44 Fresh air in line fan: - Supply, installation, testing and commissioning of fresh air inline fan: - ISO CFM Iso CFM Iso CFM Iso CFM Iso CFM Iso CFM Installation Installation Installation Infesh air in line fan: - Installation of fresh air in line fan: - Installation of fresh air in line fan: - Installation of fresh air in line fan: lin	84,150.00	255	Rmtr	330		m ZC x 1.5 sq.mm	42.1 2Cx1.5 sq.mm	46.42.1		
9 46.43 Outdoor stand fabrication fabrication fabrication fabrication fabrication fabrication fabrication fabrication fabrication fabrication (et al., page 14.44) and the fabrication fabrication fabrication (et al., page 14.45) and the fabrication fabrication (et al., page 14.45) and the fabrication fabrication (et al., page 14.45) and the fabrication fabrication (et al., page 14.45) and the fabrication fabrication fabrication (et al., page 14.45) and the fabrication fabrication fabrication fresh air in line fan:  46.45 Fresh air in line fan: Supply, installation fresh air in line fan: Installation fresh air inline fan: Installation fresh air inline fan: Installation fresh air inline fan: Installation fresh air inline fan: Installation fresh air inline fan: Installation fresh air inline fan: Installation fresh air inline fan: Installation fresh air inline fan: Installation fresh air inline fan: Installation fresh air inline fan: Installation fresh air inline fan: Installation fresh air i	44.000.00						<del></del>		+	<u> </u>
46.43   damps or other similar work etc. including nut bolts of required size, making holes, fabrication, welding, cutting, etc. and painting with one coat of red oxide paint & two coat of enamel paint as required as per specification.	11,900.00	ľ				11.11	0.44			1
fabrication fabrication, welding, cutting, etc. and painting with one coat of red oxide paint & two coat of enamel paint as required as per specification.  46.44 Fresh air in line fan:  150 CFM Installation fresh air in line fan:  150 CFM (Static pressure upto 20 mm) Installation fresh air in line fan:  46.45 Installation fresh air in line fan:  150 CFM (Static pressure upto 20 mm) Installation fresh air in line fan:  46.45 CFM  46.45.1 Upto 300 CFM  FRPY GRP Cable Tray (Perforated Trype) Supply and Erecting of Perforated type Fiber Glass Reinforced Polymer (FRP) / Glass Fiber Cable Tray (Perforated Trype) Supply Supp		QE.	Ka	140					16.42	
of enamel paint as required as per specification.  46.44   Fresh air in line fan   Fresh air in line f		65	v.R	140					40.43	"
Fresh air in   line fan		1					Iabiication			
46.44 line fan  150 CFM  150 CFM (static pressure upto 20 mm)  Installation fresh air in line fan: - Installation of fresh air inline fan including internal wiring, controls complete as per specification as mentioned below:  100 46.45.1 Upto 300  CFM  FRP/ GRP Cable Tray (Perforated Type) Supply and Erecting of Perforated type Fiber Glass Reinforced Polymer (FRP) / Glass Fiber Reinforced Polymer (GRP) cable tray of specific dimensions. The cable tray shall be hung from ceiling/ fixed to wall with necessary angle/ flat iron ceiling suspensors, clamps, nuts, botts, washers complete with required tees, bends etc. as per specification to complete the job. The tray shall be as follows:  100 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: MSx20mm  110 Mit 875  120 Mtr 875  138.18 Floor mounting rack, base frame, top & bottom, front glass door with perforation, rear vented door, lockable & detachable side panels, 2 pairs 19" rail with depth members, fixed shelf, complete as mentioned below:	10,946.00				+ +		Fresh air in		1	
150 CFM   150 CFM (static pressure upto 20 mm)   Installation	20,5 .0.00	5473	Each	2		and the state of t			46.44	
Installation   Inst	-				<del>     </del>	150 CFM (static pressure upto 20 mm)			1	
46.45   fresh air in line fan   Upto 300   CFM   Supply and Erecting of Perforated type Fiber Glass Reinforced Polymer (FRP) / Glass Fiber Reinforced Polymer (GRP) cable tray of specific dimensions. The cable tray shall be hung from ceiling fixed to wall with necessary angle / flat iron ceiling suspensors, clamps, nuts, bolts, washers complete with required tees, bends etc. as per specification to complete size: M5x20mm   100 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm   150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size	-				<del>     </del>				1	
in line fan  46.45.1 Upto 300 CFM  Supply and Erecting of Perforated type Fiber Glass Reinforced Polymer (FRP) / Glass Fiber Cable Tray (Perforated Type) Supply the John Tray Supply the John Tray Supply the John Tray Supply the John Tray Supply the John Tray Supply the John Tray Supply the John Tray Supply the John Tray Supply the John Tray Supply the John Tray Supply the John Tray Supply the John Tray Supply the John Tray Supply the John Tray Supply Supply the John Tray Supply Supply the John Tray Supply Supply the John Tray Supply Su		ľ				<u> </u>			46.45	1
46.45.1 Upto 300 CFM  FRP/ GRP Cable Tray (Perforated Type) Supply to bolts, washers complete with required tees, bends etc. as per specification to complete the job. The tray shall be a follows:  41.26.2 100mm  41.26.3 150mm  Floor mounting rack, base frame, top & boltom, front glass door with perforation, rear vented door, lockable & detachable side panels, 2 pairs 19" rail with depth members. fixed shelf, complete as mentioned below:-		<u>                                       </u>		<u> </u>		<u> </u>				L
FRP/ GRP Cable Tray (Perforated Type) Supply and Erecting of Perforated type Fiber Glass Reinforced Polymer (FRP) / Glass Fiber Cable Tray (Perforated Type) Supply 41.26.2 100mm  41.26.2 100mm  41.26.3 150mm  Floor mounting rack, panels, 2 pairs 19" rail with depth members. fixed shelf, complete as mentioned below:-	3,198.00	1500	Each				Upto 300	AC AF A		
Cable Tray (Perforated Type) Supply the job. The tray shall be as follows:  41.26.2 100mm 150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm  41.26.3 150mm 150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm  1 38.18 Floor mounting rack, panels, 2 pairs 19" rail with depth members. fixed shelf, complete as mentioned below:-		1333	Lauil				CFM	+0.45.1		
10   41.26   (Perforated Type)   Supply   (Perforated Type)   Supply   (Perforated Type)   Supply   (Perforated Type)   (Per	-	ľ								1
Type) Supply bolts, washers complete with required tees, bends etc. as per specification to complete the job. The tray shall be as follows:  41.26.2 100mm 100mm in width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm 150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm 150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm 150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm 1018 1018 1018 1018 1018 1018 1018 1		İ				_ · · · · · · · · · · · · · · · · · · ·		1	1	
Supply the job. The tray shall be as follows:-  41.26.2 100mm    100 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm    41.26.3 150mm    150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm    85 Mtr 1018  1 38.18 Floor mounting rack, panels, 2 pairs 19" rail with depth members. fixed shelf, complete as mentioned below:-		ľ					1 '		41.26	10
41.26.2 100mm long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware long midth with straight coupler plate size:		İ						1		
41.26.2 100mm size: M5x20mm 50 Mtr 8/5  41.26.3 150mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm 85 Mtr 1018  Floor mounting rack, base frame, top & bottom, front glass door with perforation, rear vented door, lockable & detachable side panels, 2 pairs 19" rail with depth members. fixed shelf, complete as mentioned below:-	43,750.00				<del>-   -  </del>		Supply		+	<del></del>
41.26.3 150mm 150 mm width with straight coupler plate size: 200x25x4mm & 8 sets of SS 304 Hardware size: M5x20mm 85 Mtr 1018  Floor mounting rack, base frame, top & bottom, front glass door with perforation, rear vented door, lockable & detachable side panels, 2 pairs 19" rail with depth members. fixed shelf, complete as mentioned below:-	43,/30.00	875	Mtr	50		- · · ·	26.2 100mm	41.26.2		
41.26.3 150mm size: M5x20mm size: M5x20mm  Floor mounting rack, base frame, top & bottom, front glass door with perforation, rear vented door, lockable & detachable side panels, 2 pairs 19" rail with depth members. fixed shelf, complete as mentioned below:-	86,530.00								+	
Supply installation, testing and commissioning of floor mounting rack, base frame, top & bottom, front glass door with perforation, rear vented door, lockable & detachable side panels, 2 pairs 19" rail with depth members. fixed shelf, complete as mentioned below:-	60,550.00	1018	Mtr	85		- · · ·	26.3 150mm	41.26.3		
1 38.18 mounting rack, panels, 2 pairs 19" rail with depth members. fixed shelf, complete as mentioned below:-					+		Flaar		1	
1 38.18 rack, panels, 2 pairs 19" rail with depth members. fixed shelf, complete as mentioned below :-		i								
		ľ					-		38.18	1
		i								
	47.000						Dase Italile		+	<u> </u>
22U cabinet with min. Dimensions 1150x600x600, floor mounting with power supply and	47,900.00	i								
38.18.1 22U cabinet fan, tray. Equipment support angle, vertical cable manager, 12 point 5Amp. vertical power trip, earthing continuity kit, castors (1 set of 4 nos.), captive H/W set of 10, fan tray with		47900	Each	1			18.1 22U cabinet	38.18.1		
strip, eartning continuity kit, castors (1 set of 4 nos.), captive H/W set of 10, fan tray with  4 fan, for computer		ľ					1			1
						Truit, for computer				

			1							
l _			8 port PoE switch	8 port PoE switch with 2 SFP ports						-
2	54.27		with 2 SFP							
		54.27.1	8 port PoE switch with 2 SFP ports	Supply, installation testing and commissioning of 8 port PoE switch with 2 SFP ports, having security features like port security supports 64 MACs per port, auto surveillance VLAN, loopback detection automatically disables a port when a loop is detected, cable diagnostics allows administrators to determine cable status, UTP cat. 5, cat. 5e (100 m max.), full/halfduplex for 10/100 MBPS, full-duplex for 1000 MBPS, auto MDI/MDIX adjustment for all twisted-pair ports, switching capacity, 40 GBPS, maximum 64 bytes packet forwarding rate, 14.88 MBPS, ports 1 to 8 compliant with 802.3at			2	Each	23024	46,048.00
3	38.14		HDMI connector &braided cord	Supply, installation testing and commissioning of High-Speed HDMI corrosion-resistant connector & braided cable, Supports Ethernet, 3D, 4K video, computers and other HDMI-enabled devices Black as required to complete the job as mentioned below						-
		38.14.1	1 Metre, HDMI cord	1 Metre, HDMI cord			10	Each	1058	10,580.00
4	38.13		Patch cord CAT 6 RJ45,	Supply, installation testing and commissioning of patch cord as mentioned below						- 010.00
		38.13.3	UTP 3metre	CAT 6 RJ45 patch cord UTP 3 metre			10	Each	601	6,010.00
5	38.15		Patch panel, RJ 45	Supply, installation testing and commissioning of 19" modular patch - 1 U patch panel 24, RJ 45 cat-6 connector			1	Each	11792	11,792.00
6	41.4		XLPE insulated FRLS heavy duty power cable	Supply of XLPE insulated FRLS heavy duty power cable conforming IS-7098 (Part-1) 1988, 1100 Volt grade, 2/3/4/8/10/12 core ISI marked with copper stranded/solid conductor						-
		41.4.2.1	Armoured 3 core 2.5 sq. mm	Armoured 3 core 2.5 sq. mm			1100	Meter	168	1,84,800.00
	54.10		4MP IP varifocal MFZ IR bullet camera	4MP IP varifocal MFZ IR bullet camera						-
7		54.10.1	IP bullet camera	Supply, installation testing and commissioning of the IP bullet camera shall be equipped with a 1/3" 4 MP progressive scan CMOS imager to capture full HD 1080p (25/30 fps)/2688 × 1520 (20fps), images, 2.7 -13.5mm, MFZ lens, digital zoom 16x and a waterproof (IP66) IK10 impact-resistant camera housing, as a true day/night solution, the camera shall use smart IR technology and provide up to 164ft (50 m) of IR illumination. The camera shall accept PoE (802.3af) or 12 V DC power input. min. illumination:-0.08 lux color @ F2.0 (color, 1/3s, 30 IRE),0 lux B/W with IR LEDs on @ F2.0) video compression:- H.265+, noise reduction: 3DNR,backlight compensation:- True WDR 120 DB, angle of view104*/87* (H), 57*/48* (V), UL listed			14	nos.	29192	4,08,688.00
	54.16		2 MP IP 30X zoom PTZ camera	2 MP IP 30X zoom PTZ camera						-
8		54.16.1	Outdoor PTZ IR	Supply, installation testing and commissioning of 2MP IP PTZ camera shall be equipped with a 1/2.8" exmor CMOS imager to capture full HD 1080p (50/60 fps)/ 25x zoom images, 4.8 mm- 120mm, and a waterproof (IP66) IK10 impact- resistant camera housing, as a true day/night solution, the camera shall use Smart IR technology and provide up to 328 ft (100m) of IR illumination. The camera shall accept PoE (802.3af) or 12 V DC power input. min. illumination:-0.08 lux color @ F2.0 (color, 1/3s, 30 IRE),0 lux B/W with IR LEDs on @ F2.0) video compression:- H.265 +, noise reduction: 2D/3D,backlight compensation:- True WDR 120 DB, built-in analytics, including face detection, automatically restores to previous PTZ and lens poSITC ion after power failure preset speed pan: Up to 240°/s, tilt: Up to 200°/s, angle of view H: 59.2° – 2.4°, UL listed			2	nos.	207766	4,15,532.00
9	54.23		32 channel NVR	32 channel NVR with 4 SATA						-
		54.23.1	16 channel NVR With 1080p	Supply, installation testing and commissioning of 16 channel NVR with 1080p real- time live view H.265/H.264MJPEG dual codec decoding Up to 12 MP resolution preview & playback max 320 MBPS incoming bandwidth support 4 SATA HDDs up to 32TB, supports fisheye video de-warping in local and web user interface, supports visual or auditory notifications (a flashing light, bell, or siren) complete with UL certification			1	nos.	140084	1,40,084.00
10	54.29		Workstation with	Workstation with client license						
		54.29.1	client license  Work station	The work station shall have the following specifications:- Processor Intel @15 750 2.66 GHz with internal memory of 4 GB RAM. Operating system window 7professional 64-bit (WOW 64mode) or window 7 professional 32-bit NVIDIA 1 GB independent graphic card. Resolution support for cameras 2560x1600 display resolution capable and directX true colour 32-bit. Dual link VDI outputs. Client software shall support Dual monitors each displaying 16 cameras simultaneously. A maximum of 32 cameras viewing per workstation at a time. Programmable to sequence.			1	Each	231656	2,31,656.00
11	54.3	54.30.2	Hard disk 4 TB	Hard disk Providing &fixing of 4 TB hard disk			1	Each	10825	10,825.00
	38.2	J-1.JU.Z	410	SITC OF Gigabit Unmanaged Desktop Switch	 			Lacii	10023	10,023.00
12		38.20.3	16-Port Gigabit Switch	16-Port Gigabit Unmanaged Desktop Switch. 1000Base-T Interface: 16. Auto MDI/MDIX.Switching Capacity: 32 Gbps. Operation Temperature 0 ~ 40 °C. Power Input AC: 100 ~ 240 V.			1	Each	11517	11,517.00
		38.19.7	Fiber Termination LIU							
-										

13		38.19.7.1	6 Port LIU	SITC, Splicing, Termination of 6 Port Full loaded LIU with SC-LC/LC-LC / SC-SC adopter, Splicing tray, Pigtalis, Termination, 1U 19" / ETSI versions available, Slidding Drawer for easy access of back side of connector, Fiber guides, radius controls & secure tie downs provided			2	nos.	21726	43,452.00
14		38.19.5.2	12 Core OS-2 SM Cable	SITC of 12 Core OFC Cable with Armored Uni-Tube, 9/125µm,OS 2 Type, . Complying to ISO/IEC 11801, EN50173, ANSI/TIA 568-C.3, Telcordia GR-20, Uni-tube construction, Water Blocking Thixotropic Gel (Tube) Petroleum Jelly (Interstices) in indoor / outdoor ducts, direct burial and backbone cabling			150	Mtrs	148	22,200.00
	38.19			CAT6A/OFC Networking (10G Support)						
		38.19.1	CAT6A Cables							
		30.13.1	CATOA CUDICS							
15		38.19.1.1	CAT6A U/FTP Cable	Supply, Installation, lying, drawing of 4 Pair CAT6A U/FTP Cable having 23AWG condutor, LSZH Compliant with ETL & TIA/EIA- 568-C.2, Coupling Attenuation should be 45dB min @30-100 MHz 40-20 Log (f/100) @ 100-500 MHz, Should be certified by ETL/UL in existing conduit / wiring system as direction of EIC.			200	Mtrs	178	35,600.00
	47.3		UPS (3 phase input & 3 phase output)	Supply, installation, testing and commissioning of UPS with isolation transformer & battery for backup, having three phases input three phase output. Online double conversion VFI-SS-111 technology, with sinusoidal wave form, architecture (standalone of distributed parallel up to 8 units), having input characteristics i.e. input voltage (380v, 400v, 415v, 3Ph+N+PE), input frequency (45 -65 Hz), input voltage range (Ph - Ph): (half load 208v - 467v/full load 312v - 467v), total harmonic distortion of input current < 3% (at full linear load), compatibility with diesel generators configurable for synchronization between the input and output frequencies even for high frequency variations, input power factor > 0.99, having output characteristics i.e. output voltage (380v, 400v, 415v, 3Ph+N (adjustable from front panel), efficiency up to 96%, efficiency in ECO mode up to 98.5%, output frequency (nominal) 50 /60 Hz 0.01% free run (adjustable from front panel), crest factor 3: 1, total harmonic distortion of output voltage < 2 % (at full linear load), output power factor 0.9, output voltage tolerance ± 1%, built in automatic and maintenance bypass, inbuilt isolation transformer, battery type (VRLA - AGM maintenance free). Communication & management i.e. LCD display (touch screen, LED bar status, live synoptic view for real time), communication ports (RS 232, genset, programmable 4 relay contacts, modbus), Audible alarm (acoustic alarms and warnings), Net interface slot (SNMP card (optional)), having emergency power off (EPO) & remote management. Ambient conditions i.e. operating temperature "C (0°C - 40°C), relative humidity % (20% - 95% not condensing), protection index (IP20), noise at 1 m dBA < 55. UPS installation with all required material arrangements as required as per IS specification.						
		47.3.3	20 KVA 3Ph	20 KVA (3 phase input & 3 phase output)						
			30 min	For 30 minute backup, min. 16000 VAH	1.00		1	Each	525504	5,25,504.00
			backup	Supply, installation, testing and commissioning of 2 loop microprocessor based intelligent	1.00			Each	188534	3,23,304.00
1	49.1		2 Loop microprocess or	and electronically addressable, modular, loop capacity of 159 detectors. Fire alarm control panel with 5.7 inch touch screen LCD display, multiple access levels, 10,000 event history logs in the nonvolatile memory (EEPROM). The panel should be modular microprocessor based in nature. The panel shall have 240V AC power supply, automatic battery charger, 24 V, ceiled lead acid maintenance free batteries sufficient for 24 hours normal working and then be capable of operating the system for 30 mints during emergency condition. The panel shall be EN 54/UL certification.						1,88,534.00
2	49.7		Addressable– automatic dual LED smoke detector	Supply, installation, testing and commissioning of addressable—automatic dual LED smoke detector with two integrated lightscattering smoke sensors using LEDs with different colors/wavelengths (blue/infrared) to avoid false alarm & should comply to test fire 1, Inbuilt Isolator, automatic addressing shall be UL/EN54 certified			16	Each	6300	1,00,800.00
3	49.8		Addressable— automatic dual LED multi detector (Thermal Sensor)	Supply, installation, testing and commissioning of addressable—automatic dual LED multi detector with two integrated lightscattering smoke sensors using LEDs with different colors/wavelengths (blue/infrared) to avoid false alarm & with thermal sensor, inbuilt isolator, automatic addressing shall be UL/EN54 certified			2	Each	8485	16,970.00
4	49.10		Indoor addressable manual break glass unit	Supply, installation, testing and commissioning of indoor addressable manual break glass unit (double action) with inbuilt isolators, with flexible network structures & necessary fixing arrangements with key complete as required shall be UL/EN54 certified			3	Each	5224	15,672.00
5	49.11		Outdoor addressable manual break glass unit	Supply, installation, testing and commissioning of outdoor addressable manual break glass unit (double action) with inbuilt isolators, with flexible network structures & necessary fixing arrangements with key complete as required, shall be UL/EN54 certified			1	Each	10703	10,703.00
6	49.19		Response	Supply, installation, testing and commissioning of response Indicator shall be			2	Each	267	534.00
9			indicator Fire Survival	UL/EN54certified  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire  Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm			200	Rmt	154	
9	41.28		Cable	Survival Cable conforming IS-7098 (Part-1) 1988, 1100 Volt grade, 2/3/4/8/10/12 core ISI marked with copper stranded/solid conductor						30,800.00
										87,87,011.96
<b>D</b>				Part D Nos Sor Electrical  SITC of LED Track light fixture in Die cast aluminium body in cylinderical shape. This spolight ideally helps in precision of the beam light is useful for museum/ exhibition or accent lighting application. The fixtures comes in (10-12) w which also includes the driver. System /Luminaire Efficacy should be 90 lpw or better. THD< 10 % with in built Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV.The fixture comes with multiple beam angle to choose from from 10 deg to as wide as 60 deg. CCT - (2700/3000/4000)k with CRI>90.RAL Colour finish as per approval from Department /Architect. Input voltage is 220/240v. the fixture comes with a Rotation range of 355 deg and tilt angle of 90 deg.Fixture Life of 50,000 burning Hours. Ingress			60.00	Each	16310.00	9,78,600.00

46	suitable for the a	Mounted Track for Above Luminaires. Length of the bove track spot luminaires. The track system shall I	l l		140.00	Each	5910.00	8,27,400.00
	feed ends and er Supply, Installati	ndcap inclusive of all accessories on, Testing & Commissioning of 32 "touchscreen ki Frame indoor housing from the same covering wit	osk: One single unit					
10	Touch screen sp Contrast Ration - MS or more, In-E Vandal Glass(8m Coated, Air Loop Operation (°C) -3	mm thick high density bendable acrylic solid surface cifications:- Full HD resolution, Brightness: 400 cd. 4,000:1 or higher, 10 touch or more, capacitive to util Factory Fitted Speaker 10W x 2, Auto Cooling, m or better), Anti Reflection Coating, Auto Brightness of the strength of the	2 or higher, Native ouch, Response time 10 Auto Heating, Anti ess Sensor, Powder Temperature ertifications of LED:		2.00	Nos.	1,24,840.00	2,49,680.00
	Processor),Wind HDMI 2.0b w/HE 3.2 on m.2 22x42 with 3 year warn		Gen 4 NVMe SSD,Dual 3 2.0, Internal: 1x USB neadphone/mic jack,		2.00	Nos.	94,800.00	1,89,600.00
11	loudspeaker. The 65Hz to 20kHz; F Sensitivity of 86 with an Integral 6/12/25/50W@ coated magnetic engineered-plast provide uniform	on, Testing, and Commissioning of SITC of 2-way ceite to lospeaker shall meet the following criteria: Freque ower handling of 200Watt peak; Nominal dispersic dB SPL and Max SPL of 109 dB SPL peak; Nominal ir multi-tap Transformer with selectable tap settings of LOOV or better. The loudspeaker system shall be consteel grill; 5.25-inch woofer and 1" coaxial Dome trics with integrated steel backcan and an In-built wafrequency coverage across the loudspeakers disperd of or plenum-space installation. Make-Bose/amline	uency range (-10dB) of on of 155° Conical; mpedance of 8 Ohms of mprised of a powder- weeter enclosed in aveguide designed to rsion. UL-1480A rated		4.00	Nos	58,198.00	2,32,792.00
	criteria: Frequen Nominal dispersi 117dB SPL peak; with selectable t shall be compris engineered-plast	ounted Subwoofer. The louspeaker shall meet the toy range (-10dB) of 38Hz to 155Hz; Power handling on Shall be omnidirectional; Sensitivity of 89dB SPI Nominal impedance of 8 Ohms with an Integral must settings of 40/80W/150@100V or better. The load of a powder-coated magnetic steel grill; 8-inch wics with integrated steel backcan. UL-1480A rated a stallation. Make-Bose/amline/EAW	g of 600Watt peak; L and Max SPL of ulti-tap Transformer oudspeaker system woofer enclosed in		1.00	Nos	1,26,960.00	1,26,960.00
	at 48 kHz / 24 bi distributed acro use operation. Tl Response : 20Hz DSP for Matrix ro in DSP for Matrix	onfigurable amplifier with a digital signal processing in The Amplifier shall have 600 watts output powe ss 4 output channels with selectable 4/8ohms, 70, ne amplifier shall have four analog and dante char - 20kHz, 5/N Ratio > 100db and THD < 0.04% at raivating, Speaker EQs, delays etc. Phoenix Input and or routing, Speaker EQs, PEQ, bandpass, delays etc: Bose, Aimline, EAW	er asymmetrically /100 Volt or mixed nnels ; Frequency ted output. Built in		1.00	Nos	3,55,494.00	3,55,494.00
13	Lumens 20000 h and warping with inputs: HDBaseT 0.75 lens & proje	P LASER Phosphor Multimedia Projection system hours lamp life, 1920 x 1200 WUXGA Native Resolut a automatic caliberation software, 3D ready, 40000 HDMI2.0, DVI-D, Active 3D, Motorised zoom and foctor mountin bracket etc. complete with installatio luding software and accessories, Approved Make-	tion, Inbuilt blending 000:1 Contrast Ratio, ocus, alongwith 0.65- on as per the site		6.00	Nos	11,25,923.00	67,55,538.00
14	control the medi should have an o	apping software, Playback control System to manag a severs. It should have direct control on inputs and ption of being controlled by an external unit integr plete the job with all respects Make- Dataton/Coo	d media timelines. It rated with the		3.00	Nos	1,70,741.00	5,12,223.00
15	be capable of ca Year Onsite Wari Nvidia Quadro G genlock and fran	rver/Workstation with 4K outputs as required , syn oturing content.Intel® i9 10th Gen, Rack Mountable ranty RAM- 32GB DDR4,SSD- 1TB(For WINDOWS B FX, 8GB, 3DP, Windows 10 Pro 64 Bi or higher con nelock capability. Should also have Art-net Ethernet espects. APPROVED MAKES:-HP, Dell, Asus	e workstation with 5 OOT), HDD: 2 TB , fig.It should also have		2.00	Nos	4,67,852.00	9,35,704.00
	content includin, animation, and n storyline of the languages - Hind in the cost. The c instrumentalists, in the cost. The to include the ch will be synced w	a projection show duration 2-3 mins. The film will ginformation graphics, illustrations, 2D animation/nodels with live action shoot wherever required as ilm. The content should be supported by sound desi and English. All necessary photoshoots and video ost for any resources such as music composers, sin sound engineers, recording studio charges, etc. recontent should be made in appropriate resolution a oreography design of syncing the visuals, audio and the choice of music and will be triggered according and user experience design and development to	Motion Graphics/3D per the theme and sign and voiceover in 2 shoot to be included agers, artists, quired to be included as per screen size. Rate d lighting in the room lingly. All user interface		1.00	Nos	10,51,158.00	10,51,158.00

	The application software to be developed in enterprise version / commercial version of the gaming engines including content (Unity3D, Unreal etc.) which supports real time 3d rendering and texture/ light baking. All the API Communication with any kind of server if need to be done in PHP/ MySQL as backend if needed. The developed application should have perpetual license and no subscription at any given point of time. Application/Software development cost to be inclusive of SRS, UI/UX, 2D design, 3D design or anything else needed to run the application. Application flow and UI/UX to be finalised once approved by the museum consultant/ authorities. Bidder will be responsible for submission of application source code technical documents and user manuals. All submitted documents to be digitally signed by the authorised signatory from the bidder.  SITC of following accessories for the above items- The equipment should be operational from central control room. All the control equipment of all the AV & Screen, cables, electrical panel, media converter, video transmitter and receiver, network cable and switch, connector, console, keyboard mouse etc. Programming to be considered to run					2.00	Nos	5,89,500.00 4,54,000.00	11,79,000.00 4,54,000.00
	the equipment/gallery seamlessly with any central location or individual location  Supply and fixing surface mounting LED down lighter, LED of 1 to 3Watt each assembled on single MCPCB, having color temp upto 6500K & having 50000 burning hrs. life with minimum @ L 70, system lumen output should be minimum with efficacy>100 lm/Watt. LED driver PF > 0.95, THD < 20% & surge protection 4KV. The colour rendering index of LED light should be more than 70. Housing made of pressure die cast aluminium/CRCA powder coated frame with glare free diffused polycarbonate cover. Submission LM 79-08/IS16106 (2012), IEC60598, IEC61347i/c connection wire, testing etc. to complete the								-
	Is8/20 Watt, color temp 3000-6500k as required.  Supply & Fixing of CO2 type Fire Extinguisher conforming to IS:15683:2018, charged with CO2 gas (purity 99.7% conforming to IS 15222), Powder coated Internal & External Surface Manganese steel ISI marked as per IS 7285 cylinder body, Wheel type Forged brass release valve ISI Marked as per IS 3224 with Inbuilt safety release device ((Fusible plug and Rupture Disc Type), 1.0 Mtr. Metal wire braided hose having minimum bursting pressure of 140 Kgf/cm2, Horn with metallic thread connection, QR code for Product Traceability, including Fixing on wall with suitable Anchor Fasteners as required of following capacity. Test Certificates of all the Parameters along with Hydro test & Burst test (For Cylinder Body) Certificate from OEM / External NABL Accrediated Lab is to be submitted. All as per pre approved by Engineer in charge.Capacity 3.0 Kg.					40.00	Each	4,783.00 7332	1,91,320.00 43,992.00
	Supply & Fixing of Dry Powder Agent (as per IS 4308:2019), ABC type Fire Extinguisher (Stored Pressure type) conforming to IS:15683:2018, Powder coated Internal & External Surface Deep drawn cylinder body of Mild Steel CR2 grade conforming to IS: 513, Squeeze grip Forged brass release valve with Inbuilt safety release device, Diaphragm Type, 0 to 28 bar range pressure gauge, 450 mm long EPDM discharge tube, QR code for Product Traceability including Fixing on wall with suitable Anchor Fasteners as required of following capacity. Test Certificates of all the Parameters along with Hydro test & Burst test (For Cylinder Body) Certificate from OEM / External NABL Accrediated Lab is to be submitted. All as per pre approved by Engineer in charge.								-
	2 kg					6	Each	2767	16,602.00
	Supply , installation testing and commissioning of Decorative lighting pole of 3-4 mtr height with post top / single arm/ double arm suitable for mounting of architectural luminaire . Pole is designed for street lighting , suitable for various architectural pendant types street light luminaries. This architecturally designed pole is structurally sound . Pole sections are joint together using MIG welding process , ,coated with epoxy zinc phosphate primer and finished using environmental stable polystyrene based paint . Base cover & embellishments shall be provided on the pole as shown . Built in control box with cast aluminium service door and safety rope /The control gear tray is pre wired with mCB terminal for loop in loop out arrangements. CE Make : K-lite /ligman /Philips/neri The bottom pipe section above the die cast aluminium embellishment shall bear the laser engraved LOGO (as prescribed) on a suitably shaped aluminium sheet .							55,200.00	16,56,000.00
	Supply , installation testing and commissioning of modern heritage post top luminaire to be as per approved architectural design theme [ approved by department and architects ] 1 x 30W LED WW,CW,NW, upgraded with high performance light engines. Aesthetically designed sturdy construction ensures a long life against all weather conditions, maintaining initial performances through the lifetime of the installation. Designed for highest efficiency in terms of more lumens at reduced wattages WW type II LED lens Product offered asymmetrical light distribution. The luminaire comprises of die cast aluminium top cover with decorative supporting arms. Finished as per architectural design. The luminaire to include driver, connectors and surge protection devices . Make: klite /neri/Philips/legman					30	EACH	10,600.00	3,18,000.00
	SITC of IP65 & IK06 6W spike / surface mounted compact spot light designed to provide directional light with beam angle 15° / 26° / 40°. Luminaine must be made of pressure die cast aluminium alloy of high corrosion resistance and non corrosive A2 stainless steel fasteners with clear toughened glass of atleast 4mm thickness. Surface mounting spike made of polypropylene black. Hybrid optics with lens & mirror finish pure aluminium reflector combination for higher efficiency, lower optical losses with optimum glare suppression. Swivel range of 0° - 90°. Single cable entrance M10 cable gland. Must have pure polyester powder coated graphite grey / anthracite grey / jet black and available in 3000K / 4000K / 5700K colour temperature, colour render index (CRI)>80, SDCM-3 MacAdam , LED module with expected service life of at least 60,000 operating hours. Prewired with LED driver and suitable for operating on 240V, 50Hz single phase ac supply. CE & BIS Certified. As per Architectural design requirement and complete in all respects. Inhouse NABL Certified laboratory Make: Abby/ Osram/Philips /K-lite					50.00	Nos	7,498.00	3,74,900.00
	SITC of IP66 IK07 dali based metal gobo projectors having floor/pole/wall mounted installation having optical compartments and base strip in die cast aluminum and transparent tempered sodium safety glass. Dual A2 stainless steel cable gland . Complete with output power supply cable /. Dali/DMX interface to be built to control remotely. Projections from the light to be approved by architect in charge. in as per arcitectural design requirement .Having atleast 25W, 3900lm . Make : iGuzzini /we-ef	4.00				4.00	Nos	2,80,850.00	11,23,400.00
		the gaining engines including content (Lins)-RD. Unreal etc.) which supports real time at rendering and esturely light bridge. All the API Communication with any find of sever if need to be done in PHIP /MyGLI, as backend if needed. The developed applications should have persential Serieur and an abuscription at any given prior of firm.  Application/Johnwar development cost to be inclusive of STB. UVIV. 20 design of ordering or ordering to the state of the control of the prior of t	the gaming engines including content (Line Sys), Jurical let 2), which supports real time 8 d rendering and scalural glight behald. Alth And Tocomistation with any kind of server if each to be done in PRFV MySCL as backend if needed. The developed application soluted have preparable license and no subscription at any spen paint of time.  I also provide the provide service of the	the gaming engines including contents (Unit-pi2d, Liveral etc.) which report in a desired fight back plant and the API Communication with any kind of server if need to be down in PHPJ MyGL as backened if needed. The developed application round have perparted interest and to as local content of the perparted of the perparted in the perparted in the perparted perparted by the manuscription and perparted perparted by the manuscription and perparted perpar	the gainting engines including content (Unity) 30. Unreal etc.) which supports real time 30 receiving and textural (light beauty at the ANT Communication with any use of receiver of received to be done in 1949 //hy60, a buckleand if received. The developed application should receive the second of the second o	the gaining engines including content justicity (1). We find the content of the c	the gammer gradies in sections of control (All Communications with which of server of the control of the contro	the cymmer genome insularly give basing. Although Commonitation with a pulse of care world with a commonitation with a pulse of care world with the commonitation of the pulse of care world where general increases and pulse of care world where general increases are designed to the pulse of t	the perings approximating control (publishing and based and private superior to all time of the receiving up destinating (publishing and the perings) of the perings of the

		Total				1,75,72,363.00

				Madhya Pradesh State Tourism Development		(MPSTDC	)					
				Orchha: A Medieval Splendo								
S. No.	Item	Sub	Item	Measurement Book: Entry Plaza i	or Bridge NO	L	В	н	Qty.	Unit	Rate	Amount
	No.	Item No	Name						7-7-			
Α	2.4		c . c	Part-A Based on PWD SOR -2024								
1	2.1		Surface dressing	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to								
-			uressing	1.5 m. in all kinds of soil.								
				Entry Plaza	1	62	16.5		1023	100 Sqm	803.00	8,214.69
	2.2		Jungle	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								
2			clearing	and removal of rubbish up to a distance of 50 m outside the periphery of the area								
				cleared.								
				Same qty Surface dressing					1023	100 Sqm	414.00	4,235.22
	2.6		1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual								
			n soil	means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including dressing of sides and ramming of bottom disposal of excavated								
3			3011	earth, lead up to 50m and lift up to 1.5m, disposed earth to be levelled and neatly								
				dressed. (No extra lift is payable if work is done by mechanical means) All kinds of								
				soi								
				Entry Plaza	1	41	16.5	0.6				
				80% of Soil					324.72 325	cum	147.00	47,775.00
	2.7		Ordinary	Earth work in excavation/ by mechanical means (Hydraulic Excavator)/ manual					323	cuiii	147.00	77,773.00
			rock	means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on								
4				plan) including dressing of sides and ramming of bottom disposal of excavated								
				earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and								
				neatly dressed Ordinary rock								
				20 % of Soil					81.18	cum	287.00	23,298.66
	2.24		Filling	Filling available excavated earth (excluding hard rock/Ordinary rock) in trenches,								,
5			available	plinth, sides of foundations etc. in layers not exceeding 20cm in depth,								
			excavated earth	consolidating each deposited layer by ramming and watering, lead up to 50 m								
				and lift upto 1.5 m. 70 % qty. Earth Work					284.13	cum	95.00	26,992.35
	2.26		Under	Supplying and filling in plinth with crusher stone dust / coarse sand under floors					204.13	cum	33.00	20,332.33
			floor filling	including, watering, ramming and compacting in layers not exceeding 20cm in								
6			stone dust	depth and dressing complete Note: - Maximum thickness of this layer shall be 20								
				cm.								
				Entry Plaza	1	41	16.5	0.15				
	2.27		111	Say					101	cum	672.00	67,872.00
7	2.27		Under floor	Supplying and filling in plinth under floors including watering ramming consolidating in layers not exceeding 20cm in depth and dressing complete.								_
•			filling	consolidating in layers not exceeding even in depth and a costing complete.								
		2.27.1	Hard	With hard muram having CBR >12 % at under floors including watering, ramming								
8			murram	and compacting (minimum compaction 95% of MDD) in layers not exceeding								
			hard copra	20cm in thickness and dressing complete. (Note:- maximum thickness of this layer								
				to be provided shall be 30cm Entry Plaza	1	41	16.5	0.45	304.425			
				Say	_				304		393.00	1,19,472.00
44	4.1		C.C. upto	Providing and laying in position cement concrete of specified grade excluding the								
11			plinth level	cost of cantering and shuttering - All work upto plinth level								
		4.1.1	With	With 20mm nominal size graded stone aggregate								
			20mm									
		4.1.1.3	metal M-15	M-15 – Grade concrete								
			15	Parking	2	12	3	0.15	10.8			
					1	6			2.7			
									13.5	cum	4471.00	60,358.50
		4.1.2	With 40 mm metal	With 40mm nominal size graded stone aggregate.								
			metal									
		4.1.2.2	M-10	M-10Nominal (Mix-1 Cement : 3 sand : 6 graded stone aggregate )								
				Pathway	1	22	20	0.15	66	cum	3,808.00	2,51,328.00
	5.2		RCC in	Providing and laying cement concrete in retaining walls, return walls, walls (any								
	3.2		walls,	thickness) including attached pilasters, columns, pillars, posts, struts, buttresses,								
12			columns,	string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain								
			pillars etc	window sills, fillets etc. upto floor two level, excluding the cost of cantering,								
		F 2.4	NA 30	shuttering and finishing:								
		5.2.1	M-20	M-25 – Grade concrete Patyway Beam	4	22	0.3	0.3	7.92	cum	6,582.00	52,129.44
			Centering	Centering and shuttering in cluding strutting, propping etc. and removal of form	4	22	0.3	0.3	7.92	cuili	0,362.00	32,123.44
	5.9						I	I	1	1		
14	5.9		and	for:							l	
14	5.9		and Shuttering	for:								
14	5.9	5.9.1		for:  Foundations, footings, bases of columns, etc. for concrete upto plinth level	8	22	0.3		52.8	Sqm	190.60	10,063.68

	5.16		Reinforce ment	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire all wastages and overlaps,								
			liiciic	couplers (overlaps shall be provided as per requirement of IS 13920 for ductile								
				detailing IS 456 RCC Design & SP 34 Reinforcement detailing ) etc. complete .								
16				(Note:- 1. Spacer bars (chairs) shall be paid separately as shown in the drawing								
				and as per direction of engineer in charge.  2. No extra payment shall be done for overlaps and/or couplers.								
				3.Couplers shall be conforming to IS code on "Reinforcement Couplers for								
				Mechanical Splices of Bars for Concrete Reinforcement - Specification")								
		5.16.6	TMT/TM X	Thermo-Mechanically Treated bars. (TMT/TMX) FE 500 or more conforming to IS 1786			7.92	120	950	Kg	80.00	76,000.00
			RR masonry	Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement :6 sand : 12 graded stone								
17	7.1		in	aggregate 20mm nominal size) at plinth level with :								
			foundatio n and									
			plinth									
18		7.1.1	Cement	Cement mortar 1:6 (1 cement : 6 sand)								
			1:6									
				Toe Wall Supplying and stacking of good earth specific useful for plantation at site	1	54	1.2	0.9	58.32	Cum	4,147.00	2,41,853.04
			Supplying and	including royalty if any and carriage (earth measured in stacks will be reduced by								
23	28.2		stacking of	20% for payment).								
			good earth									
				Landscape	1.00	50.00	2.50	0.6	75	Cum	511.00	38,325.00
			Supplying	Supplying and stacking at site dump manure from approved source, including								
24	28.3		and stacking	carriage (manure measured in stacks will be reduced by 8% for payment):								
			sludge									
				Landscape Spreading of sludge, dump manure and / orgood earth in required thickness as	1.00	50.00	2.50	0.6	75 75	Cum	734.00	55,050.00
			Spreading of sludge,	per direction of Engineer-in-charge (Cost of sludge, dump manure and / or good					,,			
25	28.8		dung	earth to be paid separately).						Cum	16.00	1,200.00
			manure and / or									ŕ
			good earth									
			Mixing earth and	Mixing earth and sludge or manure in the required proportion specified or					75			
			sludge or	directed by the Engineer-in-charge.								
26	28.9		manure (fym) farm							Cum	11.00	825.00
			yard									
			manure Planting	Grassing with Selection No.1 grass including watering and maintenance of the								
	28.10		of Grass	lawn for 30 days or more till the grass forms a thick lawn, free from weeds and fit								
	20.10			for mowing including supplying good earth, if needed (the grass and good earth								
				shall be paid for separately):  Providing and laying Selected type of Grassturf with earth 50mm to 60mm								
			Grassing with	thickness on existing ground prepared with proper level and ramming with								
27		28.10.5	selected	required tools wooden and than rolling the surface with light roller, making the surface smoothen and light watering the same, as per direction of Engineer-in-								
			grass turf	Charge								
				Landscape	1.00 1.00	22.00 18.00	4.00 2.60		88 46.8			
					1.00	9.00	5.00		46.8			
					1.00	14.00	2.00		28			
-					1.00 1.00	14.00 22.00	6.00 12.00		84 264			
									555.8	Sqm	99.00	55,024.20
				Preparation of beds for hedging and shrubbery by excavating further 30cm deep of already prepared trench, refilling the excavated earth after breaking clods and								
				1								
			n of beds for	earth after reduction by 20%: one part of stacked volume of sludge or								
28	28.13		hedging	manureafter reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, levelling etc. including stacking and disposal of								
			and shrubbery	materials declared unserviceable and surplus earth by spreading and levelling as								
				directed, within a lead of 50mlift upto 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately)								
					1.00	22.00	6.00	0.3	39.6	Cum	67.00	2,653.20
			Digging	Landscape Digging holes in ordinary soil and refilling the same with the excavated earth	1.00	22.00	0.00	0.3	33.0	Cuill	07.00	۷,055.20
			holes refilling	mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked								
29	28.14		mixed	volume of earth after reduction by 20%: 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of								
			with manure or	rubbishand surplus earth, if any with all leads and lifts (cost of manure, sludge or								
			sludge	extra good earth if needed to be paid for separately):					=-			
		28.14.1	120 cm dia	Holes 120 cm dia and 120 cm deep.	10.00				50	Each	141.00	7,050.00
		28.14.2	60 cm dia		10.00				40	Each	61.00	2,440.00
		28.14.3	45 cm dia	Holes 45 cm dia and 45 cm deep.	10.00				40	Each	19.00	760.00
		_	_							_		•

			1	In the state of th								
30	28.15		Planting different variety of plants	mixture manuring and pesticide etc. complete (to be paid separately) including								
31		28.15.1	Shrubs (75-90 cm height)	Bahunia Tomentosa, Beloperone Species, Caselpinnia Pulcherima, Bird of Paradise, Callandra Emarginata, Callandra Hybrida, Cassia Bi flora, Cassia Laevigata, Cestrum Nocturnum, Dombeya Mastersii, Euphorbia Caracasana, Euphorbia Pulcherima, Excorea bi color, Excorea tri color, Ficuas Blackii, Ficus Reginold, Ficus Panda, Gardenia, Gulphinia, Jasminoides, Hamelia Pattens, Heliconia, Hibiscus Rosasinensis, Hibiscus Verigated, Hibiscus Viceroy, Jatropha Multifida, Largestomia Indica, Malpighia Coccigera, Murraya Exotica, Murraya Koeniggi, Murraya Sambucum, Mussaenda Erythrophylla, Nerium Oleander, Nyctanthus Arbortristis, Plumbego Capensis, Putranjeeva Roxburghii, Tabernaemontana Coronaria, Tabernaemontana Divaricata, Tecoma Gaudi Chaudi, Tecoma Stans, Thevetia Nerifolia, Thuja Compacta and equivalent plants.	40.00				40	Sqm	80.00	3,200.00
32		28.15.2	Creeper plants (height :30cm to 45 cm)	Allamanda Cathartica, Allamanda Grandiflora, Allamanda Violacea, Begnonia Venustha, Boughan Villas (Variety: Butiana, Lady Mary Bearing, Mahaara, Mohan, Scarlet Queen Variagata, Glabra Formosa, Peruviana Odissi, Partha, Shubhra, Thimma, Spectabillis, L.N. Birla, Refulgens), Clerodendrum Splendens, Clerodendrum Thompsonae, Ipomea Purpurea, Jasminum Grandiflorum, Jasminum Humile (Yellow), Passiflora Caerulea (Rakhi Bel), Petrea Volubilis, Quis Qualis Indica, Tecoma Grandiflora, Veronia Elaegnifolia (Curtain Creeper), Mandvellia, Garlic Creeper, Callimitis	40.00				40	each	50.00	2,000.00
33		28.15.3	Ground cover plants height: 30cm- 45cm	Alpinia Verigated, Alternanthera species, Aspyragus Myerri, Aspyragus Springenii, Aspidistra, Canna (regular, Dwarf), Chlorodendron Inermii, Chlorophytum (Green), Chlorophytum verigated, Coffea Chinensis, Dianella Verigated, Durranta (Goldiana, Green, Verigated), Euphorbia Milli hybrid, Ipomea (Golden leaves), Iresine herbstii, Juniper Prostata, Juniper Africana, Ophiopogon plant, Ophiopogon jaburan, Portulacaria Afra (jade Plant), Schefflera Green, Schefflera verigated, Setcreasea Purpurea, Syngonium (Butterfly) species, Syngonium miniature, Syngonium Dwarf, Syngonium variegated, Tradescantia, Wadelia Trilobata, Zebrina Tradescantia, Pendanas, Spider Lily Black, Spider Lily verigated, Aclypha (Red, Green, Mini), Lantana (Red, Yellow, Purple, White, verigated), Haemalia Mini and similar plants.	20.00				20	each	50.00	1,000.00
34	28.19		Excavation in dumped stones or malba	Excavation in dumped stones or malba including stacking of serviceable and unserviceable material separately and disposal of unserviceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.	1.00	21.00	6.00	0.3	37.8	Cum	155.00	5,859.00
35	28.32		Anti termite treatment of grass	Anti Termite treatment of Lawn area through premise 30.5%I.P, one liter premise diluted in 499 litres water and applying solution @1.00 liter solution per sq.m lawn or bed area. (Two application) i/c cost of chemical and as per direction of Engineer-in-Charge.					555.8	Sqm	10.00	5,558.00
				Total Civil								11,70,536.98
В				Part- B Non SOR Civil								
19		NSOR	cobble sand	Providing and laying shaped cobble sand stone 80 -100 mm thick average thickness size of cobal stone 150x150 mm as directed laid on average 25-30 mm thick motor base 1:3 1 (1cement : 3 sand ) with admixture of cement hardener of approve make like pidlite, Fosroc or equivalent including compaction and proper embedding/ laying of shaped cobble stone in design with gap of 8 -10 mm all around the stone as directed and filling of the joints with cement motor 1:2 (1 cement:2 send) with pigment to much the colour and shade looking edge with cc (M-20) top cleaning with hard wire brush, finished etc. with all respect including all wastages, transportation etc. complete								
				Pathway	1.00	20.00	20.00		400	Sqm	2240.97	8,96,388.00
20		NSOR	Kerb Stone	Providing and Fixing fine dressed "kerb stone (sand stone) along with path way /gardening, tapper/round with top edges in cement sand mortar 1:3 including pointing with white cement an admixture of pigment complete in all respect as per direction of Engineer incharge. Size 100 x 450 mm								
21		NSOR	Bench	Pathway  Providing and fixing sand stone bench of size 1900x 450mm and 650mm high. The bench to be made using 100mm thick red/white sand stone slabs with carving and 2 No's carved supports size of 200x450x650mm of approved type using relevant fixing details as required or as directed by the Architect Item to include necessary fixing details fixing of bench on floor if required cleaning and hand polishing of sand stone surfaces etc. complete.	2.00	125.00			250	RMT	1550.00	
22		NSOR	Dustbin	Landscpae Providing & Fixing of Stone Dustbin as per traditional design made out of red/ white sand stone overall size 600(L)x380(D)x700(H)mm . 40 mm thick sand stone as per approved design jali fixed on 4 pillar size 100x100 thick 700mm height, inside 1 stainless steel container (4mm thick) of size 360 mm bottom, 470 mm top and 530 mm height fixed with pivot system supported with stone pillar fixed in ground 200 mm embedded in ground with necessary earthwork and concreting etc. Complete as per details and drawings and as directed by engineer incharge.	2.00				2	Each Each	33,400.00 27,500.00	2,67,200.00 55,000.00
												1
				Total								16,06,088.00
С				Total Part-C Based on Electrical SOR -2024								16,06,088.00

			ı	le ad atmostación de la companya de						
40	41.1			Supply of XLPE insulated power cable (conforming IS -7098 PART-I) 1100 volts grade , 1 core2 core 31/2 core 4 core ISI marked with alu . Stranded / solid conductor						
		41.1.10	4 core armoured	4 core armoured						
		41.1.10.1	6 sq mm	6 sq mm	1,000.00		1000	mtr	151.00	1,51,000.00
		41.1.10.2	10 sq. mm.	10 sq. mm.	1,000.00		1000	mtr	181.00	1,81,000.00
41	41.14		Double wall corrugate d pipes (DWC) of HDPE	Supplying and installation double wall corrugated pipes (DWC) of HDPE (IS 14930 PART II - marked ) for cable laid underground with necessary material and at required depth upto 90cm . Below road/ ground surface , excluding excavation , back filling with excavated material , ramming and making sthe surface good						
		41.14.1	50.00mm outside dia.	50mm outside dia	800.00		800	mtr	133.00	1,06,400.00
		41.14.4	110.00mm outside dia	110mm outside dia	500.00		500	mtr	252.00	1,26,000.00
42	41.15		Cable	Cable laying						-
		41.15.1	Laying, 1.1KV grade of size not exceeding 25 sq. mm	Laying of one number armoured / unarmoured power cable 1.1kV grade of size not exceeding 25sq mm direct in ground including excavation in all soil / murrum / soft rock / sand cushioning , protective covering and refilling the pit etc as required	1,500.00		1500	mtr	230.00	3,45,000.00
43	41.8		Pin terminal lugs	Supplying & fixing pin terminal lugs as per ISS specification suitable for cable evenly cramped with high pressure tool & connection to switch gear terminal as required complete						
		41.8.1	Aluminum lugs pin type	Aluminium lugs pin type						
		41.8.2	upto 16sq mm conductor	upto 16sq mm conductor	300.00		300	each	19.00	5,700.00
44	29.27		LT panel	Supply, fixing, testing and commissioning wall/ floor mounted LT panel primer coated with power coated paint & provided with required gasket for dust /vermin proof with degree of protection IP42 suitable for 415V 3 phase 50hz, 4 wire system fabricated out of CRCA sheet upto 2mm thick (1.6mm for doors) duly comaprtmentalized for incomer, bus section, outgoings, cable alleys & CT PT ampere meter, violt meter, selector switches, frequency meter phase indicating, energy meter complete including cost of bus bars supports deatachable cable glands plates, 2 earthing terminals, internal wiring & fixing of spearately supplied MCBs. MCCBs, ACBs panel mounted changeover switches/ SFU s etc as required but excluding cost of bus bar strips. Ampere meter, voltmeter, selecor switch as per approved design & specification.	500.00		500	kg	397.00	1,98,500.00
45	29.28		LT Panel Accessorie s	supply and fixing of LT panel accessories of approved make in existing LT panel including connections etc as required as per specification						-
		29.28.4	multifuncti on meter	multifunction meter	1.00		1	nos	2,587.00	2,587.00
		29.28.5	Aluminium bus bar strips	Aluminium bus bar strips with PVC sleeves	100.00		100	kg	284.00	28,400.00
46	27.3		MCCB 3Ph & N, 4Pole, 50Hz, 415V (thermal - magnetic release)	Supply of ISI marked and approved make of moulded case circuit breaker (MCCB) suitable for 3 phase & N 4 pole 50HZ ,415V (lcs= 100%lcu )AC supply with TM based having respective breaking capacity (KA) at 415V cited against their range standard conforming to IS /IEC 60947-2						-
		27.3.1	MCCB 63 to 100A, 25kA, 4P	MCCB 63 to 100A ,25KA , 4P adjustable overload setting 80%-100% of In , adjustable short circuit setting 6-10 In 4pole	2.00		2	Nos	9,781.00	19,562.00
		27.3.3	MCCB 160A, 25kA, 4P	MCCB 160A 25KA 4P adjustable overload setting 80%-100% of In , adjustable short circuit setting 6-10 In 4pole	2.00		2	Nos	15,835.00	31,670.00
47	27.8		MCB 'C' Series, 240/415V, 50 Cycle, 10kA/15k A	Supply of ISI marked and accepted standard of miniature circuit breaker (MCB) of C series with short circuit , indication , suitable for 240/415V Volts , 50 cycle , 10KA / 15KA value AC supply conforming to IS 8828: 1996 IEC : 60898: 2002 & 60947-2 but without enclosure						
		27.8.1	Single pole	Single pole						
		27.8.1.2	MCB SP 6A to 32A, 10kA	MCB SP 6A to 3A 10KA rating	40.00		40	Nos	263.00	10,520.00
		27.8.2	Double pole	Double pole						
		27.8.2.2	MCB DP 6A to 32A 10KA	MCB DP 6A to 32A 10KA rating	20.00		 20	Nos	887.00	17,740.00
			rating							

	27.8.	Three pol	Three pole						
	7.8.3.	10KA	MCB TP 6A to 32A 10KA rating	6.00		6	Nos	1,411.00	8,466.00
		rating	Total						12,32,545.00
D			Part- D Non SOR Electrical						
48	Nsoi	EV Charging station	Supply , installation , testing and commissioning of EV Charging station 9.9KW capacity(3X3.3 KW), AC universal Charger complete with following specification.	3.00		3	Each	3,50,000.00	10,50,000.00
49	Nsoi	EV Charging station	Supply, installation, testing and commissioning of EV Charging station 60 KW capacity, DC fast Charger with dual gun output complete with following specification. including power wiring, cables and other electrical accessories	1.00		1	Each	22,50,000.00	22,50,000.00
36	Nsoi	pole	SITC of architecturally designed pole (all designs to be approved by department) of Height 6 mtr with flower basket .Bracket with two arm . Pole Thickness approx- 2.9 / 2.9 / 2.5 / 2.5 thickness, is designed for street lighting, suitable for various pendant type street light luminaires. This architecturally designed pole is structurally sound. Pole design parameters vary depending on the type of bracket and loading factor. Pole sections are swaged and joint together using special v groove technique by certified welders using high end MIG welding processes Coated with epoxy zinc phosphate primer and finished using environmentally stable polyurethane based paint Shot blasting using steel shots (grade -5280) + grid (grade GP-25) material. Ratio to be used- 2:1 ratio (for ex: 2 tones of shots we have to add 1 ton grid) Built-in control box with cast aluminium service door and safety rope. The control gear tray is prewired with MCB, terminal connectors for loop-in loop-out arrangement. CE-Conformity mark. Electrical Junction box 325 x 90 Base plate ?250 x 12thk, J Bolt with 4 nos. of M16 Nut 2 nos of Plain washer with 500mm depth. 4 Elongated holes to suit M16 bolts at CC 180, Cable entry hole Ø70. Wind speed consideration (m/Sec) 50m/sec IS 875 part 3:1987, Material for tubes Steet of Grade	15		15	EACH	77,200.00	11,58,000.00
37	Nsoi	post top luminaire	If the lifetime of the installation. Designed for highest efficiency in terms of more	15		15	EACH	15,600.00	2,34,000.00
38	Nsoi	spike Light	SITC of IP65 & IK06 6W spike / surface mounted compact spot light designed to provide directional light with beam angle 15" / 25" / 40". Luminaire must be made of pressure die cast aluminium alloy of high corrosion resistance and non corrosive A2 stainless steel fasteners with clear toughened glass of atleast 4mm thickness. Surface mounting spike made of polypropylene black. Hybrid optics with lens & mirror finish pure aluminium reflector combination for higher efficiency, lower optical losses with optimum glare suppression. Swivel range of 0" - 90". Single cable entrance M10 cable gland. Must have pure polyester powder coated graphite grey / anthracite grey / jet black and available in 3000K / 4000K / 5700K colour temperature, colour render index (CRI)>80, SDCM-3 MacAdam ,LED module with expected service life of at least 60,000 operating hours. Prewired with LED driver and suitable for operating on 240V, 50Hz single phase ac supply. CE & BIS Certified. As per Architectural design requirement and complete in all respects. Inhouse NABL Certified laboratory Make : Abby/ Osram/Philips /K-lite	20.00		20	Nos	7,498.00	1,49,960.00
39	Nsor		Supply, Installation testing and Commissioning of adjustable fixture IP65 Made of die cast aluminium, lens protected by tempered Glass Visior , powdered painted grey, white, CRI-80 , 2 step MacAdam ,L70/ B10 >50,000 hours having atleast 3W. Complete with power supply , mounting arrangement ,as per architectural design requirement .Make : Abby, Philips, Osram /K-lite	20.00		20	Nos	5,921.00	1,18,420.00
							L		49,60,380.00

				Madhya Pradesh State Tourism Development Orchha: A Medieval Splendo Measurement Book: Orchha City	ur 2.0	n (MPSTDC	)					
S.no	Item	Sub	Item Name	ITEMS / DESCRIPTION	NO	L	В	н	Qty.	Unit	Rate	Amount
A	No.	Item No		Part-A- Based on Archaeology, Archives and Museums SOR 2022								
				Removal of rust, existing coatings, mild scale, dirt, oil, grease, and								
1	2.2			other contaminants from steel sections using Micro sand with the help of pressure								
				pump. (The rate is inclusive of all materials & labours involved except scaffolding).								
				Front side of toilet railing	2	8.7		1	17.40			
					2	12.6		1	25.20			
				Sharma Guest house	2	4.5 7.2		0.9	9.00 12.96			
				Hospital Gate	1	4.5		2	9.00			
				Judicial Magistrate Gate	4	6		2.75	66.00			
				Municipality	2	5.3		2	21.20			
				Gates	4	3.9		1.7 2.4	26.52 76.80			
				Railing	8	25		1.2	180.00			
				Tolling .				212	444.08			
									444.00	Sqm	277.00	1,22,988.00
				Cleaning the sand stone surface and removing dirt, dust, bird dropping, grease, oil,								
				algae, fungus, monkey beats, vegetable growth etc., including providing, applying and of 5% by washing the surface with liquid Ammonia chemical solution and other								
				chemical cleaning agent as approved by Engineer-in charge, of approved brand and								
				manufacturer, with the help of required scrubbers and also cleaning with machine								
				operated water jet mixed with desired quantity of fine silica where ever required, without causing any scratching/ damage to the stone surface and finally washing the								
				surface with clean water with the help of pressure jet machine, complete in all respect,								
2	2.4			including taking all precautions to safeguard ventilators, windows, doors etc. by								
				suitable covering so as to avoid any damage to the building/ structure, all as per								
				direction of Engineer-in-charge (The rate is inclusive of all materials & labours involved except scaffolding).								
				Toilet Wall	1	6.15		2.1	12.92			
				Tolice Wall	1	6.2		2.1	13.02	1		
				Municipality	1	30.5		3.6	109.80			
				Façade	1	42		4.5	189.00			
									324.74		75.00	24.700.00
				Stitching/repairing of structural cracks in the brick masonry using local brick & lime			-		325.00	Sqm	76.00	24,700.00
				mortar matching the traditional lime mortar and bricks as existing in the historic								
3	4.7			structure after raking, cleaning and washing the cracks, as directed by Engineer-in-								
				charge, and including all leads lifts and carriage. All complete.								
				Govt. School	1	10	0.45	3	13.50			
					1	15	0.45	3	20.25			
									33.75		5.547.00	
									34.00	Cum	5,617.00	1,90,978.00
				Restoration and repairs of Lakhori/country brick masonry of Walls in lime surkhi mortar						+		
8	5.7			1:2 or as colour matching mix and brick work match to the existing structure as original								
Ü	5.7			and including curing , Scaffolding where required and 5.0 m Lift from plinth level.								
		5.7.1		Lakhori Bricks of Size 200mmX100mmX40-50mm						+		
					1.00	15.00	0.45	2.20	14.85			
					1.00	15.00	0.45	2.20	14.85			
	$\vdash$								29.70		4	0.40
	$\vdash$			Traditional Brick work in gauged arches in lime mortar 1:1:1 (1 lime : 1 coarse sand:1					30.00	Cum	11,455.00	3,43,650.00
10	5.3			surkhi) and including curing ,centering shuttering, Scaffolding where required and 5.0 m								
				Lift from plinth level								
	$\vdash$	5.3.3		Lakhori Bricks of Size 200mmX200mmX40-50mm	40.00	4.00	2.5	4 = 0	40.1			
				Arches	16.00 10.00	1.80 1.50	0.45 0.45	1.50 1.80	19.44 12.15			
	$\vdash$				10.00	1.50	0.45	1.00	31.59			
									32.00	Cum	18,257.00	5,84,224.00
				Providing & fixing 50 to 75 mm thick stone chajja in lime sand mortar 1:2 including								
				making gola at junction with wall in lime concrete, 40% lime mortar & 20mm brick								
11	6.2			aggregate nominal size graded aggregates, drip course etc complete including 20mm thick plastering in Lime Surkhi Mortar 1:2 (1 Lime Putty: 2 Surkhi) where ever required,								
				racking of joints, curing etc complete								
	$\vdash$			Chajja	1.00	35.00	0.75		26.25	Sqm	1,443.00	37,878.75
				Removal & refixing of stone chajja 50 to 75mm thick, stone used to be similar to the		22.00				- 4	_,	2.,0.0.73
				existing ones at the site, cutting in proper shape & providing interlocking keys in the								
12	6.6			new as well as old stone for proper bonding including finishing the edges in all respects in lime surkhi (1 lime putty:2 surkhi)								
				an and same (1 mine pace).2 sammy								
	1											
									26.25			

24	8.25			are disappear disposal of rubbish to the dumping ground within 50 metres lead with lime  Municipality Ruled Pointing on brickwork with lime surkhi mortar 1:2 (1 lime putty :2 Surkhi)  Municipality	1 1 1	25 25 35		2.9 2.9 3.2	72.50 72.50 112.00 184.50	Sqm	339.00	24,577.50
				lime  Municipality  Ruled Pointing on brickwork with lime surkhi mortar 1:2 (1 lime putty :2  Surkhi)	1 1 1	25		2.9	72.50	Sqm	339.00	24,577.50
				lime  Municipality  Ruled Pointing on brickwork with lime surkhi mortar 1:2 (1 lime putty :2  Surkhi)	1					Sqm	339.00	24,577.50
				lime  Municipality  Ruled Pointing on brickwork with lime surkhi mortar 1:2 (1 lime putty :2	1	25		2.9	72.50	Sqm	339.00	24,577.50
23	8.25			lime  Municipality	1	25		2.9	72.50	Sqm	339.00	24,577.50
23	8.25			lime		25		2.5	70.50	-	2	
23	8.25											
23	8.25			are disappear disposal of rubbish to the dumping ground within 50 metres lead with		I						
23	8.25										1	
ı		I		practice (by hand grinder) in 3 course & loi, tamping, beating, till the shrinkage cracks								
1				under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, preparation of mortar by traditional								
				Repairs to plaster of thickness 10 mm to 30 mm in patches of area 2.5 sq. meters and								
									1,183.00	Sqm	62.00	73,346.00
									1,182.86			
				Power Grid	1	110		2.6	286.00			
				Government Higher Secondary School	1	130		2.5	325.00			
				Near Municipality	1	41.1		1.8	73.98			
				Municipality	1	46.9		2.9	136.01			
				Judicial Magistrate	1	118		2.9	342.20			
					1	5		0.7	3.50			
				Toilet Front	1	23.1		0.7	16.17			
	0.37			as required.								
22	8.37			Scraping & Removing of white wash/ distemper/oil paint /algae etc from plain plaster & surfaces gently with carefully to keep intact the old designs with the help of chemicals								
			-	Seraning & Damouing of white week / distances / all soint /aleas ata from all the state of the s	1	80		3.4	272.00	Sqm	442.00	1,20,224.00
			-	Engineer-In-charge inclusive up to 4.5m high and scaffolding etc complete.				3.4	272.00	C	443.00	4 20 22
21	8.16			ingredients followed by grinding to fine paste for smooth finish as per direction of								
	0.45			Lime punning with lime putty mixed with Gur, bhel, Urd and other								
									1,265.00	Sqm	85.00	1,07,525.00
									1,265.08			
				Power Grid	1	110		2.6	286.00			
				Government Higher Secondary School	1	130		2.5	325.00			
				Municipality	1	120		3.2	384.00			
					1	22		3.2	70.40			
					1	16.4		5.2	85.28			
				Hospital Wall outer	1	57.2		2	114.40			
20	8.35			the Architect or Engineer-in-Charge before applying the same								
	6.5-			Providing and applying pigmented lime wash in 3 coats to internal plaster surfaces with careful mixing of pigments to match existing/proposed colour scheme as per Architect's instructions, Item to include providing test patches for approval of colour and finish by								
				Describing and analysing signment of the second sec					139.10	Sqm	231.00	32,132.10
				Municipality	1.00	29.00		2.90	84.10			
				Toilet Wall	1	22		2.5	55.00			
		8.28.1		On stonework								
	8.28			Flush/Ruled/Struck or weathered lime pointing 1:2(1 Lime putty :2 Surkhi).		1				- 4.77	,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
				per design.	1	70		1.2	84.00	Sqm	1,460.00	1,22,640.00
19	8.22			should be prepared by grinding mill only. The thickness varies from 10mm to 100mm as								
			-	Building  Stucco work in lime, surkhi(1:2) as per traditional practices and design, the mortar	1	90		1.5	135.00	Sqm	1,641.00	2,21,535.00
18	8.21			(1 lime putty:1 surkhi)								
	-		-	Repairing ornamental plaster works to match with the existing design using lime plaster					272.00	Rmt.	1,004.00	2,73,088.00
	-			School	1	201			201.00	Pm+	1.004.00	2 72 000 00
ļ			-	Municipality	1	71			71.00			
10	0.1/			mortar 1:2.		_						
16	6.17			P/F matching stone dasa in 18" x 4" with gola on one edge as per design in Lime Surkhi								
			-	Columns	20.00	1.20		1.50	36.00	Sqm	10,000.00	3,60,000.00
		6.15.3		Using Shivpuri Red sand stone					2			
15	6.15			Providing & Fixing fine finished matching Stone Jali as per design/pattern matching with the existing and 50 mm to 75 mm thick							<u>                                      </u>	
											,	
				Columns	20.00	0.30	0.30	1.50	2.70	Cum	20,108.00	54,291.60
				the entire column unless the same is made completely new.								
14	6.14			necessary anchoring details, scaffolding if required etc complete. Mode of Measurement: Item to be paid only for the part of column made new or restored & not the part of column winds the capture of the capture is made completely new.								
				same size & design. Sample of the terra cotta column to be shown to the Engineerin- charge for approvals before procuring & fixing the same on site. Item to include all								
				on site of . The damaged portions of the original column to be carefully dismantled without damaging the adjacent areas, & replacing the same with new detail of the								
				Providing and fixing decorative red sandstone columns as per the original details found	25.00	0.00	0.73	0.10	1.13	Cum	42,537.00	47,854.13
				Bracket	25.00	0.60	0.75	0.10	1.13	Cum	42,537.00	47.054.43
				made new and not the entire bracket.								
				complete. Mode of Measurement: Item to pe paid only for the part of the bracket								
13	6.12			include all necessary anchoring details, scaffolding if required to be paid separately etc								
1				Engineer-in-charge for approvals before procuring and fixing the same on site. Item to								
1				dismantled without damaging the adjacent areas, and replacing the same with new detail of the same size and design. Sample of the terra cotta bracket to be shown to the								
				details found on site. The damaged portions of the original bracket to be carefully								
				Providing new/ restoration of decorative red sandstone brackets as per the original								

25	8.31			Repointing of raked out joints of Random rubble masonry by using lime								
25	6.51			mortar 1:1:1(1 Lime:1 coarse sand:1 Brick jeera)								
				Topachi Haveli Wall	1	65.4		4.9	320.46			
				Judicial Magistrate	1	16.4		0.9	14.76			
				Municipality	1	25.1		4.1	102.91			
				Near Municipality	1	25.1		4.1	102.91			
									541.04			
									541.00	Sqm	415.00	2,24,515.00
20	0.22			Khamira colour washing as per traditional practice to prepare the khamira the lime								
26	8.33			should be slaked for atleast 7- 10 days and regularly it should be stirred by adding curd, gugal, and filtered properly before application to the surface								
				Near Municipality	1	38		1.8	68.40			
			1	Government Higher Secondary School	1	45		2.5	112.50			
				Section Section Section				2.5	180.90			
									181.00	Sqm	43.00	7,783.00
				Lime Surkhi Plaster 1:2 (1 Lime : 2 Surkhi) including preparation of mortar by traditional								1,7.00.00
27	8.39			practice (by grinding) in 3 course for base coarse and subsequent course & Loi, tamping, beating, till the shrinkage cracks disappear. The work is to be done with all leads and lift as the work is of restoration nature as per Archaeology practice on old walls and other surface including removal of old loose and decayed plaster, each coat to be done after 3 days of previous coat.								
		8.39.1		25 mm thick (in 3 Coats)								
		0.55.1		Hospital Wall inside	1	57.2		2	114.40			
				Municipality	1	120		3.2	384.00			
					_				498.40	Sqm	453.00	2,25,775.20
		8.39.2		45 mm thick (in 5 coats)					.55.10	-4	.55.50	_,23,,,3.20
				Hospital Wall outer	1	16.4		5.2	85.28			
					1	22		3.2	70.40			
				Topachi Haveli Wall	1	14		4.3	60.20		1	
					<u> </u>			5	215.88		1	
									216.00	Sqm	815.00	1,76,040.00
29	11.2			Providing and fixing horizontal chajja of stone 40 mm thick and upto 80 cm wide projection in lime mortar 1:3 (1 lime : 3 coarse sand) including pointing in lime mortar 1:2 (1 lime cement : 2 stone dust) with an admixture of pigment matching the stone						×4	323.00	_,,
				shade.								
		11.2.1.2		Red Sand stone 41mm to 50 mm thick					35.00	Sqm	1,110.00	38,850.00
				Stone consolidation-removing the loose/damaged stone and								
	12.4			reconsolidating with new stone/reusable stone with lime								
			1	mortar(1:3) wherever necessary	1	10	0.45	2.2	14.40			
				Topachi Haveli Wall	1	10	0.45	3.2	14.40	_	5 000 00	04.004.60
									14.40	Cum	5,839.00	84,081.60
32	13.2			Careful removal of existing deteriorated/ damaged/ weathered lime plaster without damaging the below surfaces and including safety precaution, scaffolding and efficient precise tools for removing of plaster as directed by Engineer-in-charge.								
				Hospital Wall outer	1	16.4		5.2	85.28			
					1	22		3.2	70.40			
					1	57.2		2	114.40			
				Municipality	1	120		3.2	384.00			
									568.80			
									569.00	Sqm	225.00	1,28,025.00
												, ,
33	13.4			Raking out joints of brick masonry surface to the required width and depth, with due care and precaution, by mechanical / manual means, including preparing and cleaning the surface for re-pointing/refilling of joints, including disposal of rubbish to the dumping ground within 50 metre lead.	1	35		5.2	182.00	Sqm	199.00	36,218.00
35	15.1			Erecting double scaffolding system (cup lock type) on the exterior side of building/structure, up to 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, with essential safety features for the workmen/officials etc, complete as per directions and approval of Engineer-incharge.	1	95		6	570.00	Sqm	146.00	83,220.00
				Note:- (1) The elevational area of the scaffolding shall be measured for payment								
<u> </u>				purpose.  Note: (1) The elevational area of the coeffeigling shall be measured for navment								
				Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose.								
36	15.5			Providing and Fixing salt galazed stoneware pipe for drain and spout for rain water including face cover like lion, duck, cow etc, making required hole in masonry for fixing the pipe, necessary repair making good the same. matching existing style and design as approved by Engineer-In-Charge etc complete.								
37	15.6			b. 75mm to 100mm  Providing and fixing in position Cast Iron grills or railings of any pattern shapes design including cutting and line welding of iron and necessary bolting with nut, bolts &	25	5			125.00	Rmt.	3,507.00	4,38,375.00
<u> </u>				fastener wherever required etc including all material complete.	_	20	12.5		250.00			
<u> </u>			-	Façade Railing New pathway Pailing	1	20	12.5		250.00 7,750.00			
<u> </u>				New pathway Railing	2	310	12.5			V~	440.00	11 (0 000 00
-									8,000.00	Kg	146.00	11,68,000.00
<b>—</b>	<b>+</b>											
	L		L	<u> </u>								

				Providing and laying lime concrete in foundation and plinth with					7.88			
				20mm down graded graded brick bats nominal size and lime mortar comprising of 1								
48 4	4.5			lime putty: 1 Surkhi: 1 coarse sand rammed and finished with gur and belgiri treatment	1	25	2.1	0.15		Cum	4,790.00	37,721.25
				including scaffolding if								
				necessary complete								
				Total								54,80,886.13
В				Part-B Based on PWD SOR -2024								
				Surface dressing of the ground including removing vegetation and in- equalities not								
1 1 2	2.1		Surface	exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m. in								
	2.1		dressing	all kinds of soil.								
				'New Paving walkways/ pavements								
					2.00	400.00	4.50		4 200 00			
				Near Pratham Darwaza	2.00	430.00	1.50		1,290.00			
				Near Ganesh Darwaja	1.00	317.00	1.50		475.50			
					1.00	117.00	1.50		175.50			
				Gundrai Darwaza	2.00	113.00	1.50		339.00			
					2.00	132.00	1.50		396.00			
					1.00	219.00	1.50		328.50			
					1.00	41.00	1.50		61.50			
									3,066.00			
										100 0	803.00	24 (10 00
	_								3,066.00	100 Sqm	803.00	24,619.98
<b></b>												
				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)								
2 2	2.6		Excavation	including dressing of sides and ramming of bottom disposal of excavated earth, lead up								
	-		soil	to 50m and lift up to 1.5m, disposed earth to be levelled and neatly dressed. (No extra								
				lift is payable if work is done by mechanical means) All kinds of soi								
$\vdash$												
	]			Near Pratham Darwaza	2.00	430.00	1.50	0.60	774.00			
				Near Ganesh Darwaja	1.00	317.00	1.50	0.60	285.30			
					1.00	117.00	1.50	0.60	105.30			
<del>                                     </del>				Near Topchi Haveli	1.00	650.00	1.50	0.60	585.00			
$\vdash$					1.00	670.00	1.50	0.60	603.00			
$\vdash$				Near Datus Chat								
				Near Betwa Ghat	1.00	120.00	1.50	0.60	108.00			
					1.00	123.00	1.50	0.60	110.70			
					1.00	119.00	1.50	0.60	107.10			
					1.00	160.00	1.50	0.60	144.00			
				Gundrai Darwaza	2.00	113.00	1.50	0.60	203.40			
					2.00	132.00	1.50	0.60	237.60			
<b>——</b>									197.10			
					1.00	219.00	1.50	0.60				
					1.00	41.00	1.50	0.60	36.90			
					1.00	287.00	1.50	0.60	258.30			
					1.00	390.00	1.50	0.60	351.00			
				Near Ram Raja Temple	1.00	125.00	1.50	0.60	112.50			
					1.00	100.00	1.50	0.60	90.00			
					1.00	170.00	1.50	0.60	153.00			
							1.50		306.00			
					1.00	340.00		0.60				
					1.00	410.00	1.50	0.60	369.00			
				Near Kanchana Ghat	1.00	130.00	1.50	0.60	117.00			
									5,254.20			
				70 % of Soi					3,677.94			
									3,678.00	cum	147.00	5,40,666.00
2.7	7		Ordinary	Earth work in excavation/ by mechanical means (Hydraulic Excavator)/ manual means					0,010.00			5,10,000.00
	·′		rock	over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan)								
3			TOCK	including dressing of sides and ramming of bottom disposal of excavated earth, lead up								
				to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed								
				to 55 and int up to 1.5 m, disposed earth to be revened and neathy dressed								
<del>                                     </del>		2.7.1	OR	Ordinary rock					1,800.00			
$\vdash$	-		-	30% of Rock								
$\vdash$				3070 OF NOUN					1,576.26		_	
$\vdash$									1,576.00	cum	287.00	4,52,312.00
$oxed{oxed}$												
2	2.24		Filling	Filling available excavated earth (excluding hard rock/Ordinary rock) in trenches, plinth,								
4			available	sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each								
"			excavated	deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.								
L		<u></u>	earth	<u> </u>		L			<u></u>			
				70 % of Soi					3,678.00	cum	95.00	3,49,410.00
2	2.26		Under floor	Supplying and filling in plinth with crusher stone dust / coarse sand under floors								
			filling stone	including, watering, ramming and compacting in layers not exceeding 20cm in depth and								
5			dust	dressing complete Note: - Maximum thickness of this layer shall be 20 cm.								
1 1				G. S. G. S.								
				Near Pratham Darwaza	2.00	430.00	1.50	0.15	193.50			
$\vdash$	-				1.00	317.00	1.50	0.15	71.33			
$\vdash$				Near Ganesh Darwaja								
$\vdash$					1.00	117.00	1.50	0.15	26.33			
$\vdash \vdash$				Near Topchi Haveli	1.00	650.00	1.50	0.15	146.25			
	_ 7				1.00	670.00	1.50	0.15	150.75			
				Near Betwa Ghat	1.00	120.00	1.50	0.15	27.00			
					1.00	123.00	1.50	0.15	27.68			
$\vdash$	-				1.00	119.00	1.50	0.15	26.78			
$\vdash$	-											
$\vdash$					1.00	160.00	1.50	0.15	36.00			
$\vdash$				Gundrai Darwaza	2.00	113.00	1.50	0.15	50.85			
	]				2.00	132.00	1.50	0.15	59.40			
					1.00	219.00	1.50	0.15	49.28			
1	_				1.00	41.00	1.50	0.15	9.23			
<del>                                     </del>	- 1				1.00	287.00	1.50	0.15	64.58			
							2.50	5.15				
							1 50	0.15	Q7 7F			
				Near Pam Baia Tampla	1.00	390.00	1.50	0.15	87.75			
				Near Ram Raja Temple	1.00 1.00	390.00 125.00	1.50	0.15	28.13			
				Near Ram Raja Temple	1.00	390.00						

					1.00	340.00	1.50	0.15	76.50			
				New York and Chat	1.00	410.00	1.50	0.15	92.25			
<u> </u>			-	Near Kanchana Ghat	1.00	130.00	1.50	0.15	29.25 1,313.55			
											672.00	0.02.000.00
	2.27		Under floor	Supplying and filling in plinth under floors including watering ramming consolidating in					1,314.00	cum	672.00	8,83,008.00
6	2.27		filling	layers not exceeding 20cm in depth and dressing complete.								-
		2.27.1	Hard	With hard muram having CBR >12 % at under floors including watering, ramming and								
7				compacting (minimum compaction 95% of MDD) in layers not exceeding 20cm in								
_ ′			copra	thickness and dressing complete. (Note:- maximum thickness of this layer to be								
			ļ	provided shall be 30cm								
				Near Pratham Darwaza	2.00	430.00	1.50	0.30	387.00			
				Near Ganesh Darwaja	1.00	317.00	1.50	0.30	142.65			
					1.00	117.00	1.50	0.30	52.65			
				Near Topchi Haveli	1.00	650.00	1.50	0.30	292.50			
					1.00	670.00	1.50	0.30	301.50			
				Near Betwa Ghat	1.00	120.00	1.50	0.30	54.00			
					1.00	123.00	1.50	0.30	55.35			
					1.00	119.00	1.50	0.30	53.55			
					1.00	160.00	1.50	0.30	72.00			
				Gundrai Darwaza	2.00	113.00	1.50	0.30	101.70			
					2.00	132.00	1.50	0.30	118.80			
			ļ		1.00	219.00	1.50	0.30	98.55			
					1.00	41.00	1.50	0.30	18.45			
					1.00	287.00	1.50	0.30	129.15			
					1.00	390.00	1.50	0.30	175.50			
				Near Ram Raja Temple	1.00	125.00	1.50	0.30	56.25			
					1.00	100.00	1.50	0.30	45.00			
<u> </u>					1.00	170.00	1.50	0.30	76.50			
					1.00	340.00	1.50	0.30	153.00			
					1.00	410.00	1.50	0.30	184.50			
				Near Kanchana Ghat	1.00	130.00	1.50	0.30	58.50			
									2,627.10			
									2,627.00	cum	393.00	10,32,411.00
50	4.1		C.C. upto	Providing and laying in position cement concrete of specified grade excluding the cost								
	-		With 20mm	of cantering and shuttering - All work upto plinth level With 20mm nominal size graded stone aggregate.								
		4.1.1	metal	With Zomin nominal size graded stone aggregate.								
		4.1.1.3	M-15	M-15 – Grade concrete								
				Near Pratham Darwaza	2.00	430.00	1.50	0.15	193.50			
				Near Ganesh Darwaja	1.00	317.00	1.50	0.15	71.33			
					1.00	117.00	1.50	0.15	26.33			
				Near Topchi Haveli	1.00	650.00	1.50	0.15	146.25			
					1.00	670.00	1.50	0.15	150.75			
				Near Betwa Ghat	1.00	120.00	1.50	0.15	27.00			
					1.00	123.00	1.50	0.15	27.68			
					1.00	119.00	1.50	0.15	26.78			
					1.00	160.00	1.50	0.15	36.00			
				Gundrai Darwaza	2.00	113.00	1.50	0.15	50.85			
					2.00	132.00	1.50	0.15	59.40			
					1.00	219.00	1.50	0.15	49.28			
					1.00	41.00	1.50	0.15	9.23			
					1.00	287.00	1.50	0.15	64.58			
					1.00	390.00	1.50	0.15	87.75			
				Near Pratham pathway kerb Stone	2.00	430.00	1.50	0.15	193.50			
				Near Ganesh Darwaja	1.00	317.00	0.30	0.15	14.27			
					1.00	117.00	0.30	0.15	5.27			
				Near Topchi Haveli	1.00	650.00	0.30	0.15	29.25			
					1.00	670.00	0.30	0.15	30.15			
				Near Betwa Ghat	1.00	120.00	0.30	0.15	5.40			
									1,304.51			
									1,305.00	cum	4,471.00	58,34,655.00
		4.1.2.2	M-10	M-10Nominal (Mix-1 Cement : 3 sand : 6 graded stone aggregate )								
	$\Box$			'New Paving walkways/ pavements								
				'Repair Existing Pavement/Pathway								
				Near Ram Raja Temple	1.00	125.00	1.50	0.15	28.13			
					1.00	100.00	1.50	0.15	22.50			
					1.00	170.00	1.50	0.15	38.25			
					1.00	340.00	1.50	0.15	76.50			
					1.00	410.00	1.50	0.15	92.25			
				Near Kanchana Ghat	1.00	130.00	1.50	0.15	29.25			
									286.88			
									287.00	cum	3,808.00	10,92,896.00
<u> </u>			-	Describing and leading account on the control of th	-							
			C C+-	Providing and laying cement concrete in	1							
	4.2		C.C. upto floor two	retaining walls, return walls, walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks,								
	4.2		level	anchor blocks, plain window sills, fillets etc. upto floor two level, excluding the cost of	1							
				centering, shuttering and finishing :								
		121	With 20mm									
		4.2.1	metal									
		4.2.1.3	M-15	M 15 – Grade concrete								
				Judicial Magistrate	2	90	0.6	0.1	10.80			
									10.80		4,714.00	50,911.20

Part													
1				RCC in	Reinforced cement concrete work (with 20 mm nominal size graded stone aggregate) in								
March   Marc	9	5.3		1									
Company   Comp				stan cases etc									
1						610.00	1 50	0.3	0.3	92.25			
10   10   10   10   10   10   10   10					ratiway beam	610.00	1.50	0.3	0.5		Cum	6.541.00	5.38.978.40
10   15   15   15   15   15   15   15										02.10	Cum	0,3 12.00	3,30,370.10
				Centering	Centering and shuttering in cluding strutting, propping etc. and removal of form for:								
1.50   1.50	10	5.9		1									
			5 91		Foundations, footings, bases of columns, etc. for concrete upto plinth level								
1.15			3.31	Орго ринги		2.00	610.00		0.3	366.00			
										366.00	Sqm	190.60	69,759.60
		5.16		1									
11   12   13   14   15   15   15   15   15   15   15				"									
Section of Section of Section (Control of Se													
2. 10 cetts a gamma trails do cont for outside 2 services and the vocalization in contact in Political Conference (Conference to Machanisa)  2. 1	11												
2.56   Minimum   1.50													
12   7.1			F 46 6	TA AT (TA AV						0.000.00			
1			5.16.6	IMI/IMX	Thermo-Mechanically Treated bars. (TMT/TMX) FE 500 or more conforming to IS 1/86			82.40	120.00	9,888.00	Kg	80.00	7,91,040.00
22   7.1				DD messanni	Random rubble masonry with hard stone in foundation and plinth including leveling up								
	12	7.1											
1.1.1					nominal size) at plinth level with :								
March   Marc			711	Cement	Cement mortar 1:6 (1 cement : 6 sand)								
No.   Wood work   Providing word work in frames of foots, windows, constituty windows and other   Information of the large part   Information of the large p			/.1.1	mortar 1:6	Non-Purkey Paragraphy (a.T.) VIII								
1	-	-		-	Invear Pratnam Darwaza for Loe Wall	1.00	430.00	0.60	0.75		C	4 1 4 7 00	0.04.510.00
9.1   Inframes of frames, wronger framed and filed in position with hold fast laye or with dash flastorers of cours, wrondows wrondows				Wood work	Providing wood work in frames of doors, windows, clerestory windows and other					194.00	Cum	4,147.00	8,04,318.00
document	38	9 1		1									
21	30	3.1			of required dia and length (hold fast lugs or dash fastener shall be paid for separately)								
Part   Provided   Providing and Triang parelled or parelled and glazed shutters for closer, windows and correctory windows recluding [5] marked M.S. pressed but hinges keple finished of systems   Providing and Triang parelled or parelled and parelled providing parelled or parelled parelle					Second class teak wood					1.22			
9.5   wooden   charactery windows including to marked M.S. pressed both thinges bright finished of excluding particular			9.1.1	1		15	5.4	0.1	0.15		Cum	90,618.00	1,10,100.87
### shutters   Space				1									
9.5													
	39	9.5											
9.5.11   Packwood													
1.5.1.1   1.5 mm   2.5.1.1   1.5 mm   2.5 mm   5 mm thick shutters   1.5   1.05   2.1   33.08   5 gm   2.776.00   91,516.20					Second class took wood								
Panelling   Pane			9.5.1.1	1	Second shape team wood								
40   9.6   glazing and glazed shutters for doors, windows and clerestory windows [Area] or pening for panel windows [Area] in inserts excluding portion inside grows or relates to be measured.] Panelling for shutters   9.6.1   1.05   1.05   2.1   33.08   5gm   2.215.00   73,261.13   1.05   1.05   2.1   33.08   5gm   2.215.00   73,261.13   1.05   1.05   2.1   33.08   5gm   2.215.00   73,261.13   1.05   1.			9.5.1.1	35 mm		15	1.05		2.1	33.08	Sqm	2,776.00	91,816.20
9   9				_									
Second Case Second Second Case Second Case Second Case Second Case Second Case Second Case Second Case Second Case Second Case Second Case Second Ca	40	9.6		1									
9.6.72   Smm   Smm bmick glass pane (weight not less than 12.5 kg/sqm)   15   1.05   2.1   33.08   Sqm   1.04.00   34,596.45				1									
9.6.7.2   5 mm   5 mm thick glass pane weight not less than 12.5 kg/sgm)   15   1.05   2.1   33.08   5 gm   1,046.00   34,596.45			9.6.1	1	Second class teak wood	15	1.05		2.1	33.08	Sqm	2,215.00	73,261.13
1   9.8					5 mm thick glass nane (weight not less than 12.5 kg/sgm)				2.1	33.08		· ·	
## Shutters with thick float glass panes including ISI marked M.S. pressed butt hinges bright finished withink float glass panes including ISI marked M.S. pressed butt hinges bright finished withink float glass panes including ISI marked M.S. pressed butt hinges bright finished withink float glass panes including ISI marked M.S. pressed butt hinges bright finished withink float glass panes including ISI marked M.S. pressed butt hinges bright finished with necessary screw.  ### Park of Park			3.0.7.2	+		13	1.03		2.1	33.00	Sqiii	1,040.00	34,390.43
Part   Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete.   Part   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Part   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Providing and fixing bright finished brass handles with necessary screws etc.   Providing and fixing bright finishe				1									
Past   Past	41	9.8			of required size with necessary screws.								
9.8.1   2nd class   2nd clas													
Stra 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 panes excluding portion inside rebate shall be measured)			9.81		Second class teak wood	5	1 2		1 0	10.80	Sam	3 400 00	36 oue vo
Sector   S			5.0.1	teak wood	Esta formación de la Companya de la	,	1.4		1.0		Jqiil	3,400.00	30,000.40
A				Extra for									
9.10.3   5.5 mm   safety glass   5.5 mm   safety glass   5   1.2   1.8   10.80   Sqm   400.00   4,320.00	42	9.1											
9.10.3   safety glass   5   1.2   1.8   Sqm   400.00   4,320.00				<u> </u>									
Sarety glass   Providing and fixing bright finished brass tower bolts (barrel type) with necessary			9.10.3	1	5.5 mm safety glass	5	1.2		1.8	10.80	Sqm	400.00	4,320.00
9.79   bolts   screws etc. complete	-	-			Providing and fixing bright finished brass tower bolts (barrel type) with necessary								
44 9.80 Brass door latch complete.  9.80.2 250mm 250x16x5 mm 15 15.00 Each 225.00 3,375.00  45 9.81 Brass handles handles handles handles with necessary screws etc. complete.  9.81.1 125 mm 125 mm 15 15.00 Each 225.00 3,375.00  Mealamine polishing on wood work by preparing the surface applying putty base course. Prepare the surface smooth by sand papering and then applying Mealamine polish with air compressor. One or more coats on old work.  Door 30 1.05 2.1 66.15  Window 5 1.2 1.8 10.80  T7.00 Sqm 807.00 62,139.00  per letter per cm 1.45 725.00	43	9.79		bolts	screws etc. complete								
13.76   South   Sout			9.79.3			30				30.00	Each	261.00	7,830.00
9.80.2   250mm   250x16x5 mm   15.00   Each   225.00   3,375.00	44	9.80		1									
Sample   Providing and fixing bright finished brass handles with necessary screws etc. complete.   Sample   S			9.80.2			15				15.00	Each	225.00	3,375.00
13.76   9.81.1   125 mm   125 mm   125 mm   125 mm   15   15.00   Each   181.00   2,715.00	45	9.81		Brass									
Mealamine polishing Mealamine polishing on wood work by preparing the surface applying putty base course. Prepare the surface smooth by sand papering and then applying Mealamine polish with air compressor. One or more coats on old work.  Door 30 1.05 2.1 66.15			0.01.1		135	45				15.00	E. d.	404.00	2.745.00
13.76   Mealamine polishing   Course. Prepare the surface smooth by sand papering and then applying Mealamine polish with air compressor. One or more coats on old work.	-		3.81.1	125 mm	123 11111	15				15.00	Eacu	181.00	2,/15.00
13.76					Mealamine polishing on wood work by preparing the surface applying putty base								
Door   30   1.05   2.1   66.15		40.76		Mealamine									
Window   5   1.2   1.8   10.80	51	13./6			poilsn with air compressor. One or more coats on old work.								
Window   5   1.2   1.8   10.80													
76.95													
13.78   Lettering with black Japan paint of approved brand and manufacture.   77.00   Sqm   807.00   62,139.00	-			-	Window	5	1.2		1.8				
Lettering with black Japan paint of approved brand and manufacture.  53 13.78 Lettering  Lettering with black Japan paint of approved brand and manufacture.  500.00 per cm 1.45 725.00	-										Sam	207 00	62 139 00
53   13.78   Lettering					Lettering with black Japan paint of approved brand and manufacture.					. 7.00	_	307.00	32,133.00
height	53	13.78		Lettering						500.00	per cm	1.45	725.00
			<u> </u>	<u> </u>							height		

			Synthetic	Painting with synthetic enamel paint of approved brand and manufacture of required							
55	13.65		over a under	colour to give an even shade: Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.							
			coat	Toilet railing	2	8.7		17.40			
					2	12.6					
				Sharma Guest house	2	4.5 7.2	0.	9.00			
				Hospital Gate	1	4.5	0.	9.00			
				Judicial Magistrate Gate	4	6	2.7				
				municipality Near Municipality	2	5.3 4.4	1.4	21.20			
				Near Municipality	2	1.6	1.4				
				municipality	4	3.9	1.				
				Cast Iron Railing	2	330	1.				
	13.53		Premium acrylic smooth exterior paint (premium exterior)	Finishing walls by any mechanical or manual means with Premium Acrylic Smooth exterior paint (Premium exterior) of required shade including all scaffolding. New work (Two or more coat applied @1.67ltr/10sqm over and including one coat undiluted exterior waterproofing coating @ 2.39 litre/10 sqm with crack bridging ability of upto 0.5mm on horizontal surfaces with an elongation of 150% and water proofing of upto 3 bars on vertical surface)				994.00	Sqm	77.00	76,538.00
			exterior	Toilet Front	1	23.1	0.	16.17			
					1	5	0.				
				Ludicial Manichash	1	24	1.				
				Judicial Magistrate  Municipality	1	118 46	2.				
				Near Municipality	1	25.1	4.	102.91			
				municipality	1	207	2	+			
								1,123.78		430.00	1 45 420 00
	15.12		Dismantling stone slab flooring	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead				1,124.00	Sqm	130.00	1,46,120.00
				Old flooring of toilet front	15.00	1.20	18.00	Sqm	1.00	64.00	1,152.00
				Total							1,31,16,680.23
С				Part C PWD SOR 2024 Electrical							
1	41.1			Supply of XLPE insulated power cable (conforming IS -7098 PART-I) 1100 volts grade , 1 core2 core 31/2 core 4 core ISI marked with alu . Stranded / solid conductor							
1.1		41.1.10	4 core	4 core armoured							
1.2		41.1.10.1	armoured	6 sq mm				8,000.00	mtr	151.00	12,08,000.00
1.3		41.1.10.1	6 sq mm 10 sq. mm.	10 sq. mm.				5,000.00	mtr	181.00	9,05,000.00
2	41.14		Double wall corrugated pipes (DWC) of HDPE	Supplying and installation double wall corrugated pipes (DWC) of HDPE (IS 14930 PART II - marked ) for cable laid underground with necessary material and at required depth upto 90cm . Below road/ ground surface , excluding excavation , back filling with excavated material , ramming and making sthe surface good							
2.1		41.14.1	50.00mm out	50mm outside dia				8,000.00	mtr	133.00	10,64,000.00
2.2		41.14.4	110.00mm	110mm outside dia				5,000.00	mtr	252.00	12,60,000.00
3	41.15		outside dia Cable laying	Cable laying				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,,
3.1		41.15.1	not	Laying of one number armoured / unarmoured power cable 1.1KV grade of size not exceeding 25sq mm direct in ground including excavation in all soil / murrum / soft rock / sand cushioning , protective covering and refilling the pit etc as required				8,000.00	mtr	230.00	18,40,000.00
3.2	41.8		Pin terminal lugs	Supplying & fixing pin terminal lugs as per ISS specification suitable for cable evenly cramped with high pressure tool & connection to switch gear terminal as required complete							
3.3		41.8.1	Aluminum lugs pin type	Aluminium lugs pin type							
3.4		41.8.2	upto 16sq mm conductor	upto 16sq mm conductor				1,000.00	each	19.00	19,000.00
4	29.27		LT panel	Supply , fixing , testing and commissioning wall / floor mounted LT panel primer coated with power coated paint & provided with required gasket for dust /vermin proof with degree of protection IP42 suitable for 415V 3 phase 50hz , 4 wire system fabricated out of CRCA sheet upto 2mm thick (1.6mm for doors ) duly comaprtmentalized for incomer , bus section , outgoings , cable alleys & CT PT ampere meter , violt meter , selector switches , frequency meter phase indicating , energy meter complete including cost of bus bars supports deatachable cable glands plates , 2 earthing terminals , internal wiring & fixing of spearately supplied MCBs . MCCBs, ACBs panel mounted changeover switches / SFU s etc as required but excluding cost of bus bar strips .  Ampere meter , voltmeter , selecor switch as per approved design & specification .				2,500.00	kg	397.00	9,92,500.00
4.1	29.28		LT Panel	supply and fixing of LT panel accessories of approved make in existing LT panel							-
4.2		29.28.4	Accessories multifunctio n meter	including connections etc as required as per specification multifunction meter				4.00	nos	2,587.00	10,348.00
4.3		29.28.5	Aluminium bus bar strips	aluminium bus bar strip with PVC sleeves				1,200.00	kg	284.00	3,40,800.00

		1	MCCB 3Ph &									
			N, 4Pole,	Supply of ISI marked and approved make of moulded case circuit breaker (MCCB)					ı	ĺ		ļ .
5	27.3		50Hz,	suitable for 3 phase & N 4 pole 50Hz ,415V (Ics= 100%Icu )AC supply with TM based					ı	ĺ		
	27.5		415V	having respective breaking capacity (KA) at 415V cited against their range standard						ĺ		I
			(thermal -	conforming to IS /IEC 60947-2						ĺ		I
			MCCB 63 to	MCCD C3 to 1004 3EVA AD adjustable guarleed action 900/ 1000/ of languituatable								
5.1		27.3.1	100A, 25kA,	MCCB 63 to 100A ,25KA , 4P adjustable overload setting 80%-100% of In , adjustable short circuit setting 6-10 In 4pole					40.00	Nos	9,781.00	3,91,240.00
			4P	Short circuit setting 0-10 iii 4pole					<b>—</b>			ļ
5.2		27.3.3	MCCB 160A,	MCCB 160A 25KA 4P adjustable overload setting 80%-100% of In , adjustable short					4.00	Nos	15,835.00	63,340.00
3.2		27.5.5	25kA, 4P	circuit setting 6-10 In 4pole					1.00	1403	15,055.00	03,340.00
			MCB 'C'									 
			Series,	Supply of ISI marked and accepted standard of miniature circuit breaker (MCB ) of C					ı	ĺ		I
6	27.8		240/415V, 50	series with short circuit, indication, suitable for 240/415V Volts, 50 cycle, 10KA/						ĺ		-
			Cycle,	15KA value AC supply conforming to IS 8828: 1996 IEC: 60898: 2002 & 60947-2 but without enclosure						ĺ		I
			10kA/15kA							ĺ		I
6.1		27.8.1	Single pole	Single pole								-
			MCB SP 6A									 
6.2		27.8.1.2	to 32A, 10kA	MCB SP 6A to 3A 10KA rating					250.00	Nos	263.00	65,750.00
6.3		27.8.2	Double pole	Double pole						<b>—</b>		_
0.3		27.0.2	MCB DP 6A							<b>-</b>	-	
6.4		27.8.2.2	1	MCB DP 6A to 32A 10KA rating					40.00	Nos	887.00	35,480.00
			rating	Ů								1
6.5		27.8.3	Three pole	Three pole								
			MCB TP 6A							1		
6.6		7.8.3.2	1	MCB TP 6A to 32A 10KA rating					20.00	Nos	1,411.00	28,220.00
-			rating	Wiring of sub mains with PVC insulated cable FRLS with copper multi strand conductor						<b>-</b>	-	
			Sub-mains in	ISI marked in recessed / concealed rigid steel ISI marked conduit of suitable size						ĺ		I
7	21.1		recessed/con	(conduit included ) including accessories long neck threaded type , connection painting						ĺ		I
/	21.1		cealed rigid steel	etc as required as per specification						ĺ		-
			conduit							ĺ		I
7.1		2112		Zwira sub main	<del>                                     </del>					<b>—</b>		<u> </u>
7.1		21.1.2 21.1.2.1	3 Wire	3wire sub main 2.5sq mm cable	-			$\vdash$	7,000.00	mtr	270	18,90,000.00
7.2		21.1.2.1		Total					7,000.00	mu	2/0	1,01,13,678.00
				lotai						<del>                                     </del>		1,01,13,678.00
D				Part-D Based on PWD Road SOR -2025								
				Dismantling of Structures Dismantling of existing structures like culverts, bridges,								
				retaining walls and other structure comprising of masonry, cement concrete, wood,						ĺ		I
15	2.3			steel, including T&P and scaffolding wherever necessary, sorting the dismantled						ĺ		I
				material, disposal of unserviceable material and stacking the serviceable material with						ĺ		I
				all lifts and lead upto 1000 metres.						<u> </u>		-
		(i)		Lime / Cement Concrete				$\vdash$	$\vdash$	<del></del>		
	-	В		Cement Concrete Grade M-15 &M-20 Old pathway dismental						<u> </u>		
				Near Pratham Darwaza	2.00	430.00	1.50	0.30	387.00	<b>—</b>		
				Near Ganesh Darwaja	1.00	317.00	1.50	0.30	142.65		-	
				Theat canes and waje	1.00	117.00	1.50	0.30	52.65			
				Near Topchi Haveli	1.00	650.00	1.50	0.30	292.50			
					1.00	670.00	1.50	0.30	301.50			
				Near Betwa Ghat	1.00	120.00	1.50	0.30	54.00			
					1.00	123.00	1.50	0.30	55.35			
					1.00	119.00	1.50	0.30	53.55			
					1.00	160.00	1.50	0.30	72.00			
				Gundrai Darwaza	2.00	113.00	1.50	0.30	101.70			
					2.00	132.00	1.50	0.30	118.80			
					1.00	219.00	1.50	0.30	98.55	<u> </u>		ļ
<u> </u>			-		1.00	41.00	1.50	0.30	18.45	<b></b>		
			-		1.00	287.00	1.50	0.30	129.15	<del></del>	<del>                                     </del>	1
-	<b>-</b>		-	Near Pam Paia Temple	1.00	390.00 125.00	1.50 1.50	0.30 0.30	175.50 56.25	<del>                                     </del>	<del>                                     </del>	
<u> </u>			-	Near Ram Raja Temple	1.00	100.00	1.50	0.30	45.00	<del></del>	+	Γ
					1.00	170.00	1.50	0.30	76.50		<del>                                     </del>	
					1.00	340.00	1.50	0.30	153.00		<del>                                     </del>	
					1.00	410.00	1.50	0.30	184.50		+	
				Near Kanchana Ghat	1.00	130.00	1.50	0.30	58.50		<del>                                     </del>	
					1.00	155.00	1.50	5.50	2,627.10		<del>                                     </del>	<u> </u>
									2,627.00	Cum	628.00	16,49,756.00
		(iii)		Dismantling Stone Masonry								
		E		Dismantling stone pitching/ dry stone spalls								
				Near Pratham Darwaza	1.00	430.00	1.50	0.30	193.50			
				Near Ganesh Darwaja	1.00	317.00	1.50	0.30	142.65			
					1.00	117.00	1.50	0.30	52.65			
				Near Topchi Haveli	1.00	650.00	1.50	0.30	292.50		oxdot	<del>_</del> _
					1.00	670.00	1.50	0.30	301.50		$oxed{oxed}$	<u> </u>
				Near Betwa Ghat	1.00	120.00	1.50	0.30	54.00	<u> </u>		-
	<b>_</b>				1.00	123.00	1.50	0.30	55.35	<b>—</b>		
ļ					1.00	119.00	1.50	0.30	53.55	<b>—</b>		<u> </u>
<u> </u>	-			Cuadrai Daguaga	1.00	160.00	1.50	0.30	72.00	<b>—</b>	<del>                                     </del>	
			-	Gundrai Darwaza	1.00	113.00	1.50	0.30	50.85	<del></del>	<del>                                     </del>	
-			-		1.00	132.00	1.50	0.30	59.40	<u> </u>	<del>                                     </del>	
<u> </u>			-		1.00	219.00	1.50 1.50	0.30 0.30	98.55 18.45		<del>                                     </del>	
			-		1.00	41.00 287.00	1.50	0.30	129.15	<b>—</b>	+	1
						. 40/.00	1.50	U.3U	143.13	1		i
					-		1 50	0.30	175 50			
				Near Ram Raia Temple	1.00	390.00	1.50 1.50	0.30 0.30	175.50 56.25			
				Near Ram Raja Temple	-	390.00 125.00	1.50 1.50 1.50	0.30 0.30 0.30	175.50 56.25 45.00			
				Near Ram Raja Temple	1.00 1.00	390.00	1.50	0.30	56.25			

3								1,851.00	Cum	272.00	5,03,472.00
3				Steel work in all types of sections upto a height of 5 m above plinth level.							
3				Including dismembering				5.00	tonne	1,897.00	9,485.00
	2.4			Dismantling of Flexible Pavements Dismantling of flexible pavements thickness more than 100 mm and disposal of dismantled materials up to a lead of 1000 meters,				2,627.00	Cum	323.00	8,48,521.00
				stacking serviceable and unserviceable materials separately				2,027.00	Cum	525.00	0,40,321.00
				Total							30,11,234.00
E				Part-D Non SOR Civil							
-			Red	40 mm thick machine-cut rubbed Sand stone (Red Shivpuri/ Basodha or local stone							
			sandstone	matching colour and hardness properties) on steps/ tread/ riser/ Landing/ Flooring,							
			flooring	Best Quality Stone, as approved by Engineer-in-charge, with specifc design and as per drawing upt to any height, with necessary scaffolding/ centering etc., over 20 mm							
				(average) thick base of cement mortar 1:5 (1 cement : 5 sand) including pointing with							
				cement mortar 1:2 (1 cement : 2 sand) with an admixture of pigment to match the shade of stone. For protection of stone, from weathered action coats of protection							
				layer shall be apply on whole stone surface area, Stonework should have coated of							
				water repellent silicone free (transparent in colour) in two or more coats of clear coat of make Killick Gaurd pidilite / k2 / Nippon/ equivalent. The process of coating should							
				be followed: (i) cleaning of stone (ii) rubbing and polishing of stone (iii) first coat of							
				clear algae and after drying of this coat, (iv) second coat of clear HD shall be applied. All							
				this coating shall be done with spray paint machine until complete impregnation. All work shall be done in satisfactory manner and as per instructions of Engineer-in-charge.							
				,							
$\vdash$				Toilet Front & other area	15.0	1.20	18.0	325.73			
				'Old Pathway repair	2.00	103.50	1.2	248.40			
								574.13			
$\vdash$			shingles	Providing and fixing COLIN IDV AP collection of double leave specifies shipples				574.00	sqm	2680.00	15,38,320.00
			shingles	Provding and fixing COUN IRY AR collection of double-layer roofing shingles comprises incredible color solutions that imitate diverse nature's shades and nuances. Vibrant							
				color blends and expressise shadow lines create a wonderful dimensional visual image.							
				Copper-containing basalt granules present algae growth on the roof Base : Fibre Glass. Type of bitumen oxidized. Flow resistance							
52		NSOR		at etcnated temperature. °C, 110 degree. thickness per layer: 2.7mm+_ 0.2mm. with							
				Asian smart care waterproofing membrane thickness 2 mm . as directed by architect or							
				as directed by engineer incharge including all labour and material complete.  Make: Saintgobin/Technonicol/Docke or Equivlent							
				Shop	13.00	3.00	1.5	58.50	Sqm	2,550.00	1,49,175.00
				Providing and laying shaped cobble sand stone 80 -100 mm thick average thickness size							
				of cobal stone 150x150 mm as directed laid on average 25-30 mm thick motor base 1:3							
				1 (1cement : 3 sand ) with admixture of cement hardener of approve make like pidilite, Fosroc or equivalent including compaction and proper embedding/laying of shaped							
		NSOR	cobble sand Stone	cobble stone in design with gap of 8 -10 mm all around the stone as directed and filling							
			Storic	of the joints with cement motor 1:2 (1 cement:2 send) with pigment to much the colour							
				and shade looking edge with cc (M-20) top cleaning with hard wire brush, finished etc. with all respect including all wastages, transportation etc. complete							
								450.00			
$\vdash$				Near Pratham Darwaza Near Ganesh Darwaja	1.00	140.00 117.00	1.20 1.20	168.00 140.40			
				Tear career barraga	1.00	117.00	1.20	140.40			
				Near Topchi Haveli	1.00	220.00	1.20	264.00			
				None Dahun Chah	1.00	160.00	1.20	192.00			
				Near Betwa Ghat	1.00 1.00	120.00 123.00	1.20 1.20	144.00 147.60			
					1.00	119.00	1.20	142.80			
					1.00	160.00	1.20	192.00			
-				Gundrai Darwaza	1.00 1.00	113.00 132.00	1.20 1.20	135.60 158.40			
					1.00	150.00	1.20	180.00			
					1.00	41.00	1.20	49.20			
					1.00	147.00	1.20	176.40			
$\vdash$				Near Ram Raja Temple	1.00	175.00 125.00	1.20 1.20	210.00 150.00			
				· · · · · · ·	1.00	100.00	1.20	120.00			
					1.00	170.00	1.20	204.00			
$\vdash$					1.00	160.00	1.20	192.00 192.00			
<del></del>				Near Kanchana Ghat	1.00 1.00	160.00 130.00	1.20 1.20	192.00			
						,,,,,		3,454.80	Sqm	2240.97	77,42,103.16
			Kerb stone	Providing and Fixing fine dressed "kerb stone (Sand stone) along with path way							
		NSOR		/gardening, tapper/round with top edges in cement sand mortar 1:3 including pointing with white cement an admixture of pigment complete in all respect as per direction of							
				Engineer incharge. Size 100 x 450 mm							
<b></b>				Near Pratham Darwaza Near Ganesh Darwaja	2.00	140.00 117.00		280.00 234.00			
				near canesh burwaju	2.00	117.00		234.00			
				Near Topchi Haveli	2.00	220.00		440.00			
				Near Patrice Chat	2.00	160.00		320.00			
<del>                                     </del>				Near Betwa Ghat	2.00 1.00	120.00 123.00		240.00 123.00			
					2.00	119.00		238.00			
					1.00	160.00		160.00			
$\vdash$				Gundrai Darwaza	2.00	113.00		226.00 264.00			
					2.00 1.00	132.00 150.00		264.00 150.00			
<b></b>			<del></del>		2.00	41.00		82.00			
					1.00	147.00		 147.00			

I			Near Ram Raja Temple	1.00 2.00	175.00 125.00		175.00 250.00			
			Near rain raja rempe	2.00	100.00		200.00			
				2.00	170.00		340.00			
				2.00	160.00		320.00			
				2.00	160.00		320.00			
			Near Kanchana Ghat	2.00	130.00		260.00			
							5,003.00	RMT	1550.00	77,54,650.00
			Providing, carving and Fixing of interpretive signages in red/ white sand stone of size				20.00			
			1000x2000x100 mm on inclined stone plane engraved map with bottom side carving ,				20.00			
			top side 2 no. bracket design size 380x305mm . Engraving of letters & Painting with							
1			black enamel paint & size of latter complete as per drawing and design. The signage	20.00				Each	67,060.00	13,41,200.00
			stone shall be fixed on the post of same stone of size 1000x 600 x 100 above ground with necessary earthwork and concreting etc. Complete as per details and drawings							
			and as directed by engineer incharge.							
			Providing & Fixing of interpretive signages made out of red/ white sand stone of				40.00			
2			trapezoidal shape having back height 600 mm & front height 280 mm & width on top	40.00				Each	0.800.00	2 02 000 00
2			50 mm & bottom 300 mm etc. Engraving of letters & painting with black enamel paint & size of letters complete as per details and drawings and as directed by engineer	40.00				Eacn	9,800.00	3,92,000.00
			incharge.							
			Providing and fixing sand stone bench of size 1900x 450mm and 650mm high. The				60.00			
			bench to be made using 100mm thick red/white sand stone slabs with carving and 2							
6			No's carved supports size of 200x450x650mm of approved type using relevant fixing details as required or as directed by the Architect Item to include necessary fixing	60.00				Each	33,400.00	20,04,000.00
			details fixing of bench on floor if required cleaning and hand polishing of sand stone							
			surfaces etc. complete.							
			Providing & Fixing of Stone Dustbin as per traditional design made out of red/ white				60.00			
			sand stone overall size 600(L)x380(D)x700(H)mm . 40 mm thick sand stone as per approved design jali fixed on 4 pillar size 100x100 thick 700mm height, inside 1 stainless							
7			steel container (4mm thick) of size 360 mm bottom, 470 mm top and 530 mm height	60.00				Each	27,500.00	16,50,000.00
			fixed with pivot system supported with stone pillar fixed in ground 200 mm embedded							
			in ground with necessary earthwork and concreting etc. Complete as per details and drawings and as directed by engineer incharge.							
			Repairing of existing historic window/doors for hardware, rotten/ deteriorated parts.				64.80			
46			Proper fixing and making it operational with locking possibility including moulding,	30.00	1.2	1.8		Sqm	1,150.00	74,520.00
			carving and polishing. Refer drawings for window types.							
			Labour charges for Removal & refixing of electrical wires/cables internal elevations in facade of Orchha including scaffolding as directed by Engineer in charge/ Architect, and				1.00			
47			including all leads, lifting of material in store. All complete.	1.00				Job	5,00,000.00	5,00,000.00
			Painting & lining Work on wall with approved paint including base coat of primer as per	1	120	2.4	288.00			
			drawing & design and direction of Engineer- in - charge.		120	2.4	288.00			
								Sqm	4,000.00	11,52,000.00
			Festivals and Events							
1			Orchha Ram Leela Festival for 3 days(Annualy conducted before Dussehera)							
			Stage and props				Day	3.00	1,25,000.00	3,75,000.00
			Honorarium for artists				Each	20.00	50,000.00	10,00,000.00
			Rental for equipments(sound and light)				Day	3.00	1,00,000.00	3,00,000.00
			Travel and Stay of guests  Marketing, branding, promotion and printing				Each Day	30.00 15.00	20,000.00	6,00,000.00
		1	I warketing, branding, promotion and printing						50 000 00	7 50 000 00
2							-	13.00	50,000.00	7,50,000.00 30,25,000.00
			Folk Dance Festival for 2 days (Annualy conducted in spring)				·	15.00	50,000.00	7,50,000.00 30,25,000.00
			Folk Dance Festival for 2 days (Annualy conducted in spring) Stage and props				Day	2.00	50,000.00 80,000.00	
			Stage and props Honorarium for artists				Each	2.00	80,000.00 50,000.00	1,60,000.00 10,00,000.00
			Stage and props Honorarium for artists Rental for equipments(sound and light)				Each Day	2.00 20.00 2.00	80,000.00 50,000.00 1,00,000.00	1,60,000.00 10,000,000.00 2,00,000.00
			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests				Each Day Each	2.00 20.00 2.00 10.00	80,000.00 50,000.00 1,00,000.00 20,000.00	30,25,000.00 1,60,000.00 10,00,000.00 2,00,000.00 2,00,000.00
			Stage and props Honorarium for artists Rental for equipments(sound and light)				Each Day	2.00 20.00 2.00	80,000.00 50,000.00 1,00,000.00	30,25,000.00 1,60,000.00 10,00,000.00 2,00,000.00 2,00,000.00 5,00,000.00
3			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing				Each Day Each	2.00 20.00 2.00 10.00	80,000.00 50,000.00 1,00,000.00 20,000.00	1,60,000.00 10,00,000.00 2,00,000.00 2,00,000.00
3			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests				Each Day Each	2.00 20.00 2.00 10.00	80,000.00 50,000.00 1,00,000.00 20,000.00	30,25,000.00 1,60,000.00 10,00,000.00 2,00,000.00 2,00,000.00 5,00,000.00
3			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing Orchha Cultural Festival for 3-4 days (conducted every alternate year)				Each Day Each Day	2.00 20.00 2.00 10.00 10.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00	30,25,000.00  1,60,000.00  10,00,000.00  2,00,000.00  5,00,000.00  20,60,000.00  5,00,000.00  25,00,000.00
3			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light)				Each Day Each Day  Day  Day Each Day	2.00 20.00 2.00 10.00 10.00 4.00 50.00 4.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 50,000.00	30,25,000.00  1,60,000.00  10,00,000.00  2,00,000.00  5,00,000.00  20,60,000.00  5,00,000.00  4,00,000.00
3			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests				Each Day Each Day  Day Each Day Each Day Each	2.00 20.00 2.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 50,000.00 1,00,000.00 20,000.00	30,25,000.00  1,60,000.00  10,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  5,00,000.00  4,00,000.00  6,00,000.00
3			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light)				Each Day Each Day  Day  Day Each Day	2.00 20.00 2.00 10.00 10.00 4.00 50.00 4.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 50,000.00	30,25,000.00  1,60,000.00  1,00,000.00  2,00,000.00  5,00,000.00  20,60,000.00  25,00,000.00  4,00,000.00  6,00,000.00  15,00,000.00
3			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests				Each Day Each Day  Day Each Day Each Day Each	2.00 20.00 2.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 50,000.00 1,00,000.00 20,000.00	30,25,000.00  1,60,000.00  10,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  5,00,000.00  4,00,000.00  6,00,000.00
3			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests				Each Day Each Day  Day Each Day Each Day Each	2.00 20.00 2.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 50,000.00 1,00,000.00 20,000.00	30,25,000.00  1,60,000.00  1,00,000.00  2,00,000.00  5,00,000.00  20,60,000.00  5,00,000.00  4,00,000.00  6,00,000.00  15,00,000.00
3			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing				Each Day Each Day  Day Each Day Each Day Each	2.00 20.00 2.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 50,000.00 1,00,000.00 20,000.00	30,25,000.00  1,60,000.00  1,00,000.00  2,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  25,00,000.00  4,00,000.00  15,00,000.00  55,00,000.00
			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing				Each Day Each Day  Day Each Day Each Day Each	2.00 20.00 2.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 50,000.00 1,00,000.00 20,000.00	30,25,000.00  1,60,000.00  1,00,000.00  2,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  25,00,000.00  4,00,000.00  15,00,000.00  55,00,000.00
3 3			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing				Each Day Each Day  Day Each Day Each Day Each	2.00 20.00 2.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 50,000.00 1,00,000.00 20,000.00	30,25,000.00  1,60,000.00  1,00,000.00  2,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  25,00,000.00  4,00,000.00  15,00,000.00  55,00,000.00
F			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Total  Part- F Non SOR Electrical Labour charges for Removal & refixing of electrical wires/cables internal elevations in				Each Day Each Day  Day Each Day Each Day Each Day	2.00 20.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 50,000.00 20,000.00 50,000.00	30,25,000.00  1,60,000.00  10,00,000.00  2,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  4,00,000.00  15,00,000.00  3,48,82,968.16
			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Total  Part- F Non SOR Electrical Labour charges for Removal & refixing of electrical wires/cables internal elevations in facade of Orchha including scaffolding as directed by Engineer in charge/ Architect, and				Each Day Each Day  Day Each Day Each Day Each	2.00 20.00 2.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 50,000.00 1,00,000.00 20,000.00	30,25,000.00  1,60,000.00  10,00,000.00  2,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  4,00,000.00  15,00,000.00  3,48,82,968.16
F			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Total  Part- F Non SOR Electrical Labour charges for Removal & refixing of electrical wires/cables internal elevations in				Each Day Each Day  Day Each Day Each Day Each Day	2.00 20.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 50,000.00 20,000.00 50,000.00	30,25,000.00  1,60,000.00  10,00,000.00  2,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  4,00,000.00  15,00,000.00  3,48,82,968.16
F			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Total  Part- F Non SOR Electrical Labour charges for Removal & refixing of electrical wires/cables internal elevations in facade of Orchha including scaffolding as directed by Engineer in charge/ Architect, and including all leads, lifting of material in store. All complete. Supply, installation testing and commissioning of signage pole tube made of steel grade of YS t 210. Base plate made of steel grade of E250. Pole quoted of epoxy zinc				Each Day Each Day  Day Each Day Each Day Each Day	2.00 20.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 50,000.00 20,000.00 50,000.00	30,25,000.00  1,60,000.00  10,00,000.00  2,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  4,00,000.00  15,00,000.00  3,48,82,968.16
F			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Total  Part- F Non SOR Electrical Labour charges for Removal & refixing of electrical wires/cables internal elevations in facade of Orchha including scaffolding as directed by Engineer in charge/ Architect, and including all leads, lifting of material in store. All complete.  Supply, installation testing and commissioning of signage pole tube made of steel grade of f8 t 210. Base plate made of steel grade of E250. Pole quoted of epoxy zinc phosphate primer and finished using environmental stable polyuthreane based paint.				Each Day Each Day  Day Each Day Each Day Each Day	2.00 20.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 50,000.00 20,000.00 50,000.00	30,25,000.00  1,60,000.00  1,00,000.00  2,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  4,00,000.00  15,00,000.00  3,48,82,968.16
F 1			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Total  Part- F Non SOR Electrical Labour charges for Removal & refixing of electrical wires/cables internal elevations in facade of Orchha including scaffolding as directed by Engineer in charge/ Architect, and including all leads, lifting of material in store. All complete.  Supply, installation testing and commissioning of signage pole tube made of steel grade of YS t 210. Base plate made of steel grade of E250. Pole quoted of epoxy zinc phosphate primer and finished using environmental stable polyuthreane based paint . height is 3277mm as per architectural design requirement for 2 poles or couple poles,				Each Day Each Day  Day Each Day  Each Day  Each Day  Each Day  Each Day	2.00 20.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 1,00,000.00 20,000.00 50,000.00 8,00,000.00	30,25,000.00  1,60,000.00  1,00,000.00  2,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  4,00,000.00  15,00,000.00  3,48,82,968.16
F 1			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Total  Part- F Non SOR Electrical Labour charges for Removal & refixing of electrical wires/cables internal elevations in facade of Orchha including scaffolding as directed by Engineer in charge/ Architect, and including all leads, lifting of material in store. All complete.  Supply, installation testing and commissioning of signage pole tube made of steel grade of f8 t 210. Base plate made of steel grade of E250. Pole quoted of epoxy zinc phosphate primer and finished using environmental stable polyuthreane based paint.				Each Day Each Day  Day Each Day  Each Day  Each Day  Each Day  Each Day	2.00 20.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 1,00,000.00 20,000.00 50,000.00 8,00,000.00	30,25,000.00  1,60,000.00  1,00,000.00  2,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  4,00,000.00  15,00,000.00  3,48,82,968.16
F 1			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Total  Part- F Non SOR Electrical Labour charges for Removal & refixing of electrical wires/cables internal elevations in facade of Orchha including scaffolding as directed by Engineer in charge/ Architect, and including all leads, lifting of material in store. All complete.  Supply, installation testing and commissioning of signage pole tube made of steel grade of YS t 210. Base plate made of steel grade of E250. Pole quoted of epoxy zinc phosphate primer and finished using environmental stable polyuthreane based paint. height is 3277mm as per architectural design requirement for 2 poles or couple poles, Signage board is not part of this . Make :-K-lite / Osram / Philiphs / Bajaj  Supply , installation testing and commissioning of signage pole tube made of steel				Each Day Each Day  Day Each Day  Each Day  Each Day  Each Day  Each Day	2.00 20.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 1,00,000.00 20,000.00 50,000.00 8,00,000.00	30,25,000.00  1,60,000.00  10,00,000.00  2,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  4,00,000.00  15,00,000.00  3,48,82,968.16
F 1			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Total  Part- F Non SOR Electrical Labour charges for Removal & refixing of electrical wires/cables internal elevations in facade of Orchha including scaffolding as directed by Engineer in charge/ Architect, and including all leads, lifting of material in store. All complete.  Supply, installation testing and commissioning of signage pole tube made of steel grade of YS t 210. Base plate made of steel grade of E250. Pole quoted of epoxy zinc phosphate primer and finished using environmental stable polyuhreane based paint. height is 3277mm as per architectural design requirement for 2 typoles or couple poles, Signage board is not part of this . Make: K-lite / Osram /Philiphs / Bajaj  Supply, installation testing and commissioning of signage pole tube made of steel grade of YS t 210. Base plate made of steel grade of E250. Pole quoted of epoxy zinc				Each Day Each Day  Day Each Day  Each Day  1.00	2.00 20.00 10.00 10.00 4.00 50.00 4.00 30.00 Job	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 20,000.00 20,000.00 50,000.00 8,00,000.00	30,25,000.00  1,60,000.00  10,00,000.00  2,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  4,00,000.00  55,00,000.00  3,48,82,968.16
F 1			Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Orchha Cultural Festival for 3-4 days (conducted every alternate year) Stage and props Honorarium for artists Rental for equipments(sound and light) Travel and Stay of guests Marketing, branding, promotion and printing  Total  Part- F Non SOR Electrical Labour charges for Removal & refixing of electrical wires/cables internal elevations in facade of Orchha including scaffolding as directed by Engineer in charge/ Architect, and including all leads, lifting of material in store. All complete.  Supply, installation testing and commissioning of signage pole tube made of steel grade of YS t 210. Base plate made of steel grade of E250. Pole quoted of epoxy zinc phosphate primer and finished using environmental stable polyuthreane based paint. height is 3277mm as per architectural design requirement for 2 poles or couple poles, Signage board is not part of this . Make :-K-lite / Osram / Philiphs / Bajaj  Supply , installation testing and commissioning of signage pole tube made of steel				Each Day Each Day  Day Each Day  Each Day  Each Day  Each Day  Each Day	2.00 20.00 10.00 10.00 4.00 50.00 4.00 30.00	80,000.00 50,000.00 1,00,000.00 20,000.00 50,000.00 1,25,000.00 1,00,000.00 20,000.00 50,000.00 8,00,000.00	30,25,000.00  1,60,000.00  1,00,000.00  2,00,000.00  2,00,000.00  5,00,000.00  5,00,000.00  4,00,000.00  15,00,000.00  3,48,82,968.16

4	Supply, installation testing and commissioning of signage pole tube made of steel grade of YS t 210. Base plate made of steel grade of E250. Pole quoted of epoxy zinc phosphate primer and finished using environmental stable polyuthreane based paint. height is 2900mm as per architectural design requirement. Signage board is not part of		30.00	Nos	33,418.00	10,02,540.00
5	this. Make:-K-lite / Osram / Philiphs / Bajaj SITC of architecturally designed pole (all designs to be approved by department) of Height 6 mtr with flower basket. Bracket with two arm. Pole Thickness approx- 2.9 / 2.9 / 2.5 / 2.5 thickness, is designed for street lighting, suitable for various pendant type street light luminaires. This architecturally designed pole is structurally sound. Pole design parameters vary depending on the type of bracket and loading factor. Pole sections are swaged and joint together using special v groove technique by certified welders using high end MIG welding processes Coated with epoxy zinc phosphate primer and finished using environmentally stable polyurethane based paint Shot blasting using steel shots (grade - S280) + grid (grade GP-25) material. Ratio to be used - 2:1 ratio (for ex: 2 tones of shots we have to add 1 ton grid ) Built-in control box with cast aluminium service door and safety rope. The control gear tray is prewired with MCB, terminal connectors for loop-in loop-out arrangement. CE - Conformity mark. Electrical Junction box 325 x 90 Base plate 7250 x 12thk, J Bolt with 4 nos. of M16 Nut 2 nos of Plain washer with 500mm depth. 4 Elongated holes to suit M16 bolts at CC 180, Cable entry hole Ø70. Wind speed		210.00	EACH	77,200.00	1,62,12,000.00
6	Supply , installation testing and commissioning of modern heritage post top luminaire to be as per approved architectural design theme [approved by department and architects 1 x 60W LED WW,CW,NW, upgraded with high performance light engines. Aesthetically designed sturdy construction ensures a long life against all weather conditions, maintaining initial performances through the lifetime of the installation. Designed for highest efficiency in terms of more lumens at reduced wattages WW type II LED lens Product offered asymmetrical light distribution. The luminaire comprises of die cast aluminium top cover with decorative supporting arms. Finished as per architectural design. The luminaire to include driver, connectors and surge protection devices . Make: klite /neri/Philips/legman		210.00	EACH	15,600.00	32,76,000.00
	Total					2,40,48,590.00

	Madhya Pradesh State Tourism Development Corpo	oration	(MPSTD	C)	
	Orchha: A Medieval Splendour 2.0	)			
	Measurement Book: Hop-On-Hop-Off S	ervice			
	ITEMS / DESCRIPTION	Unit	Qty.	Rate	Amount
	Part- A Non SOR Electrical				
1	Traditional Themed Transportation				
	12-15 Seater Electric Sightseeing Bus	10	Nos	12,50,000.00	1,25,00,000.00
	Supply and customization as per design of 14 Seater with fully covered body ( electric bus as per the specifications 'Fully electric, Maximum speed 30-35 kmph , Range 70-80 km (minimum), Operating Voltage- 72V, Battery-Lead acid (or) Lithium ,Motor-7.5kW AC Motor, Controller-72V/450A Controller, Turning Radius-<6m, Braking Distance- <3m, Minimum Ground Clearance- 180 mm , Braking System- Four wheel brake system - Front hydraulic disc brakes + rear hydraulic drum brakes + hand operated parking brake + booster braking Electric braking system - Automatic slowd Accelerator-Electronic accelerator, Front Suspension- Helical coil spring with hydraulic shock absorbers on both sides Rear Suspension- Load bearing leaf springs with hydraulic shock absorbers on both sides Tyre size/Wheel size- 155-70 R13 or higher (tubeless) - MRF, CEAT or Equivalent Chassis-Seamless ladder type high tensile tubular steel with anti corrosive, electro deposited epoxy base coating for rust prevention Body-ABS 747 injection molded P.P.Panels infused with automotive grade U.V. resistant gloss color finish, Rooftop using high quality FRP Windshield-Sandwich glass laminated windshield with automotive finish and wiper Seat Material- Artificial leather seats with high quality foam cushions Dashboard- Analog/Digital instrument cluster, combination switch, battery display indicator, Seating Capacity-14 including driver, Number of Tyre-4, colour &		INUS	12,30,000.00	1,23,00,000.00
	design as per approved by consultant				
2	Signages at Stops for HOHO Services				
	Supply , installation testing and commissioning of signage pole tube made of steel grade of YS t 210 . Base plate made of steel grade of E250 .Pole quoted of epoxy zinc phosphate primer and finished using environmental stable polyuthreane based paint . height is 3277mm as per architectural design requirement for 2 poles or couple poles, Signage board is not part of this . Make :-K-lite / Osram /Philiphs / Bajaj	13.00	Nos	60,657.00	7,88,541.00
	Supply , installation testing and commissioning of signage pole tube made of steel grade of YS t 210 . Base plate made of steel grade of E250 .Pole quoted of epoxy zinc phosphate primer and finished using environmental stable polyuthreane based paint . height is 3200mm as per architectural design requirement . Signage board is not part of this .Make :-K-lite / Osram /Philiphs / Bajaj	10.00	Nos	31,278.00	3,12,780.00
	T-1-1				4 20 24 524 52
	Total				1,36,01,321.00

	Madhya Pradesh State Tourism Development Corporation (MPSTDC)									
	Orchha: A Medieval Splendour 2.0	0								
	Measurement Book: Website									
Sno	ITEMS / DESCRIPTION	Unit	Qty.	Rate	Amount					
Α	Part- A Non SOR Electrical									
1	Content Development for Website									
	360 Degree Photo Shoot, Audio Video Content creation on Historic significance									
	(QR Code based)									
	-360degree shoot									
	-Final stitched HDRI Panoramic Images									
	-To be delivered as per website requirement									
	-Up-to 2 min audio video content on related subject including:- concept,									
	scripting, storyboarding, shooting editing, and delivery of final video as per									
	application/ website development approved format									
1.1	Both outside and inside of building areas (Building interior)	5	Location	4,43,690.00	22,18,450.00					
1.2	Only Outside areas (building Façade)	25	Location	3,36,840.00	84,21,000.00					
2	Audio Guided Systems for Attractions QR based App for Tracking and Feedback	1	Nos	25,43,690.00	25,43,690.00					
	Total				1,31,83,140.00					

	Madhya Pradesh State Tou	rism Develop	ment Corporat	tion (MPST	DC)
	Orchha: A	Medieval Sp	lendour 2.0		
	Measurement Bo	ok: Skill Dev	elopment Traii	ning	
Sno	Training	Number of Participants	No of sessions (training days)	Cost per person	Total Cost (per training session) (In Rs Lakhs)
1	E-rickshaw driver	15	1	12,000.00	1,80,000.00
2	Bundeli painting	100	16	12,000.00	12,00,000.00
3	Refresher course for Local Guide/ Tourist Escorts	35	5	15,000.00	5,25,000.00
4	Training Program for Housekeeping executive/ House Steward	40	3	12,600.00	5,04,000.00
5	Training Program for Nature / Eco Tourism Guides	15	6	25,600.00	3,84,000.00
6	Tourism Sensitization Program for Security Guards/ Tourism Police	30	3	6,700.00	2,01,000.00
	Total				29,94,000.00

## Madhya Pradesh State Tourism Development Corporation (MPSTDC) Orchha: A Medieval Splendour 2.0 **Measurement Book: Tourism MSME Training Total Cost Number of** No of sessions Cost per **Training** (per training session) Sno (training days) person **Participants** (In Rs Lakhs) Certification course for Local Guide 25 35,000.00 5,25,000.00 15 Refresher course for Local Guide/ Tourist 2 35 5 11,000.00 3,85,000.00 Escorts Sensitization workshops 5 12,000.00 12,00,000.00 3 100 4 Food vendors sensitization 35 5 30,000.00 10,50,000.00 1 5 Local product (Souvenir Handlooms, Cuisine) 20 5,000.00 1,00,000.00 1 6 Travel & Tour operator's workshops 40 8,000.00 3,20,000.00 7 Homestays workshops 25 5 15,000.00 3,75,000.00 Hospitality training of registered Homestay 40 1 8,000.00 3,20,000.00 owners 15,000.00 9 Safe tourism job rolls training 6 15,30,000.00 102 Total 58,05,000.00

	Madhya Pradesh State Tourism Development Corporation (MPSTDC)								
	Orchha: A Medieval Splendou	r 2.0							
	Rate Analysis: Website and QF	Арр							
S. No.	Item Description	Unit	Basic Cost (Rs.)	Contractor	Labour Cess on	Final Cost for			
			of Market Rate	Profit on	(4+5+6+7) @1%	Approval			
				(4+5+6)@		(4+5+6+7+8)			
_	-	_	_	15%	_				
1	2	3	3	4	5	6			
1	Content Development								
	360 Degree Photo Shoot, Audio Video Content creation on Historic significance (QR Code								
	based)								
	-360degree shoot								
	-Final stitched HDRI Panoramic Images								
	-To be delivered as per website requirement								
	- Up-to 2 min audio video content on related subject including:- concept, scripting,								
	storyboarding, shooting editing, and delivery of final video as per application/ website								
	development approved format								
1.1	Both outside and inside of building areas (Building interior)	Nos	3,82,000.00	57300.00	4393.00	4,43,690.00			
1.2	Only Outside areas (building Façade)	Nos	2,90,000.00	43500.00	3335.00	3,36,840.00			
2	Audio Guided Systems for Attractions QR based App for Tracking and Feedback	Job	21,90,000.00	328500.00	25185.00	25,43,690.00			

	Madhya Pradesh State Tourism Development Corporation (MPSTDC)											
	Orchh	a: A Medie	val Splend	our 2.0								
		Rate Analy	sis: Lightin	g								
S. No.	Item Description	Unit	Basic Cost (Rs.) of Market Rate	Carrige, Packing, Cost on 4@ 1%	TC cost on 4@ 5%	on (4+5+6) @ 15%	Cess on (4+5+6 +7) @1%	Final Cost for Approval (4+5+6+7 +8)				
1	2	3	4	5	6	7	8	9				
1	SITC of LED Track light fixture in Die cast aluminium body in cylinderical shape. This spolight ideally helps in precision of the beam light is useful for museum/ exhibition or accent lighting application. The fixtures comes in (10-12) w which also includes the driver. System / Luminaire Efficacy should be 90 lpw or better. THD< 10 % with in built Driver Protection against short circuit, Miswiring and Surge Protection of upto 3kV. The fixture comes with multiple beam angle to choose from from 10 deg to as wide as 60 deg. CCT - (2700/ 3000/ 4000)k with CRI>90.RAL Colour finish as per approval from Department / Architect. Input voltage is 220/ 240v. the fixture comes with a Rotation range of 355 deg and tilt angle of 90 deg. Fixture Life of 50,000 burning Hours. Ingress Protection of IP 20.	Nos	13250	132.50	662.50	2106.75	161.52	16310.00				
2	SITC of Surface Mounted Track for Above Luminaires. Length of the track shall be 1 Mtr suitable for the above track spot luminaires. The track system shall be complete with live feed ends and endcap inclusive of all accessories	Nos	4800	48.00	240.00	763.20	58.51	5910.00				

Madhya Pradesh State Tourism Development Corporation (MPSTDC)  Orchha: A Medieval Splendour 2.0													
Rate Analysis: AV													
S. No.	Item Description	Unit	Basic Cost (Rs.) of Market Rate	Carrige, Packing,Cost on 4@ 1%	Labour/ITC cost on 4@ 5%	Contractor Profit on (4+5+6)@ 15%	Labour Cess on (4+5+6+7) @1%	Final Cost for Approval (4+5+6+7+8)					
1	2	3	4	5	6	7	8	9					
1	Supply, Installation, Testing & Commissioning of 32 "touchscreen kiosk: One single unit along with Metal Frame indoor housing from the same covering with 12mm Low Voc BWP Ply finish with 6 mm thick high density bendable acrylic solid surface approved colour, Touch screen specifications:- Full HD resolution, Brightness: 400 cd2 or higher, Native Contrast Ration 4,000: 1 or higher, 10 touch or more, capacitive touch, Response time 10 MS or more, In-Built Factory Fitted Speaker 10W x 2, Auto Cooling, Auto Heating, Anti Vandal Glass(8mm or better), Anti Reflection Coating, Auto Brightness Sensor, Powder Coated, Air Looping System, Temperature Operation (°C) -30 to 50, Temperature Operation (°C) -30 to 50, Humidity Non-condensing (%) 20 to 80. Certifications of LED: BIS, FCC, CE and UL. including software with mounting and accessories. (Approved makes: Samsung, LG and Panasonic	nos	1,01,400.00	1014.00	5070.00	16122.60	1236.07	1,24,840.00					
2	Intel® NUC Mini PC with 12th Generation Intel® Core™ Processors,Intel® Core™ i7  Processor),Windows 11 Pro*,2x 8GB DDR4-3200 SODIMMs,500GB Gen 4 NVMe SSD,Dual  HDMI 2.0b w/HDMI CEC,Front: 2x USB 3.2, Rear: 1x USB 3.2, 1x USB 2.0, Internal: 1x USB 3.2  on m.2 22x42 (pins), 2x USB 2.0 (headers),Front panel: 3.5mm headphone/mic jack, with 3  year warranty.	nos	77,000.00	770.00	3850.00	12243.00	938.63	94,800.00					
3	SITC of 1-chip DLP LASER Phosphor Multimedia Projection system having, min 9500 Lumens 20000 hours lamp life, 1920 x 1200 WUXGA Native Resolution, Inbuilt blending and warping with automatic caliberation software, 3D ready, 4000000:1 Contrast Ratio, inputs: HDBaseT,HDMI2.0, DVI-D, Active 3D, Motorised zoom and focus, alongwith 0.65-0.75 lens & projector mountin bracket etc. complete with installation as per the site requirement. including software and accessories, Approved Make- Christie, NEC, Barco	Nos	9,14,500.00	9145.00	45725.00	145405.50	11147.76	11,25,923.00					
4	3D Projection mapping software, Playback control System to manage, schedule and control the media severs. It should have direct control on inputs and media timelines. It should have an option of being controlled by an external unit integrated with the software. to complete the job with all respects Make- Dataton/Coolux/Pixera/Vioso Equivalent	Nos	1,40,000.00		7000.00	22050.00	1690.50	1,70,741.00					
5	Display media server/Workstation with 4K outputs as required, synced together. It should be capable of capturing content.Intel® i9 10th Gen, Rack Mountable workstation with 5 Year Onsite Warranty RAM- 32GB DDR4,SSD- 1TB(For WINDOWS BOOT), HDD: 2 TB, Nvidia Quadro GFX, 8GB, 3DP, Windows 10 Pro 64 Bi or higher config.It should also have genlock and framelock capability. Should also have Art-net Ethernet in/out. to complete the job with all respects. APPROVED MAKES:-HP, Dell, Asus	Nos	3,80,000.00	3800.00	19000.00	60420.00	4632.20	4,67,852.00					
6	Supply, Installation, Testing, and Commissioning of SITC of 2-way ceiling mounted music loudspeaker. The louspeaker shall meet the following criteria: Frequency range (-10dB) of 65Hz to 20kHz; Power handling of 200Watt peak; Nominal dispersion of 155° Conical; Sensitivity of 86 dB SPL and Max SPL of 109 dB SPL peak; Nominal impedance of 8 Ohms with an Integral multi-tap Transformer with selectable tap settings of 6/12/25/50W@100V or better. The loudspeaker system shall be comprised of a powder-coated magnetic steel grill; 5.25-inch woofer and 1" coaxial Dome tweeter enclosed in engineered-plastics with integrated steel backcan and an In-built waveguide designed to provide uniform frequency coverage across the loudspeakers dispersion. UL-1480A rated and UL2043 rated for plenum-space installation. Make-Bose/amline/EAW	Nos	47,270.00	472.70	2363.50	7515.93	576.22	58,198.00					
7	SITC of Ceiling mounted Subwoofer. The louspeaker shall meet the following performance criteria: Frequency range (-10dB) of 38Hz to 155Hz; Power handling of 600Watt peak; Nominal dispersion Shall be omnidirectional; Sensitivity of 89dB SPL and Max SPL of 117dB SPL peak; Nominal impedance of 8 Ohms with an Integral multi-tap Transformer with selectable tap settings of 40/80W/150@100V or better. The loudspeaker system shall be comprised of a powder-coated magnetic steel grill; 8-inch woofer enclosed in engineered-plastics with integrated steel backcan. UL-1480A rated and UL2043 rated for plenum-space installation. Make-Bose/amline/EAW	Nos	1,03,120.00	1031.20	5156.00	16396.08	1257.03	1,26,960.00					
8	SITC of Class D configurable amplifier with a digital signal processing architecture running at 48 kHz / 24 bit . The Amplifier shall have 600 watts output power asymmetrically distributed across 4 output channels with selectable 4/8ohms, 70/100 Volt or mixed use operation. The amplifier shall have four analog and dante channels ; Frequency Response: 20Hz - 20kHz; S/N Ratio > 100db and THD < 0.04% at rated output. Built in DSP for Matrix routing, Speaker EQs, delays etc. Phoenix Input and output terminals,Built in DSP for Matrix routing, Speaker EQs,PEQ, bandpass, delays etc Approved makes: Bose, Aimline, EAW	Nos	2,88,740.00	2887.40	14437.00	45909.66	3519.74	3,55,494.00					
9	Development of a projection show duration 2-3 mins. The film will have mixed media content including information graphics, illustrations, 2D animation/Motion Graphics/3D animation, and models with live action shoot wherever required as per the theme and storyline of the film. The content should be supported by sound design and voiceover in 2 languages - Hindi and English. All necessary photoshoots and video shoot to be included in the cost. The cost for any resources such as music composers, singers, artists, instrumentalists, sound engineers, recording studio charges, etc. required to be included in the cost. The content should be made in appropriate resolution as per screen size. Rate to include the choreography design of syncing the visuals, audio and lighting in the room will be synced with the choice of music and will be triggered accordingly. All user interface design, wireframing and user experience design and development to be includes in item rate.	Job	9,05,000.00			135750.00	10407.50	10,51,158.00					

The application software to be developed in enterprise version / commercial version of the gaming engines including content (Unity3D, Unreal etc.) which supports real time 3d rendering and texture/ light baking. All the API Communication with any kind of server if need to be done in PHP/ MySQL as backend if needed. The developed application should have perpetual license and no subscription at any given point of time. Application/Software development cost to be inclusive of SRS, UI/UX, 2D design, 3D design or anything else needed to run the application. Application flow and UI/UX to be finalised once approved by the museum consultant/ authorities. Bidder will be responsible for submission of application source code technical documents and user manuals. All submitted documents to be digitally signed by the authorised signatory from the bidder.		5,07,535.00		76130.25	5836.65	5,89,500.00
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