

UJJAIN SMART CITY LIMITED

BOQ for construction of Pink Corridor

S. No.	SOR ITEM	Description of item	UNIT	UADD SOR Rate	Rate after 10% deduction	QTY	AMOUNT
SOR ITEMS							
1	13.26.1	Providing and applying 1.5 mm thick (in two coat) white cement based wall putty of best quality, over plastered surface to prepare the surface even and smooth complete					
		FOR WALL	Sqm	82.00	73.80	1320	97,416
2	11.28.1	40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1cement : 5 coarse sand) with joints finished flush. (minimum size of kota stone 0.25 sqm)					
		Red sand stone	Sqm	423.00	380.70	315	1,19,921
3	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	KG	67.00	60.30	3000	1,80,900
4	15.21.1	Demolishing cement concrete manually/by mechanical means including disposal of material within 50 meters lead as per direction of Engineer-in-charge.					
		1:3:6 or richer mix	CUM	475.00	427.50	27	11,543
5	2.27.1	Supplying and filling in plinth under floors including, watering, ramming consolidating and dressing complete.					
		Crusher Stone Dust	CUM	628.00	565.20	18	10,174
6	4.1.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering All work up to plinth level.					
		Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate	CUM	4,594.00	4,134.60	20	82,692
7	5.32	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement. including Admixtures in recommended proportions as per IS 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. M-20 grade reinforced cement concrete by using 405 kg. of cement per cum of concrete. All work up to floor 2 level.	cum	5211	₹ 4,689.90	30	1,40,697
8	5.20	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire upto floor two level including all wastage etc. complete.					
	5.20.6	Thermo-Mechanically Treated bars.	kg	60	₹ 54.00	1000	54,000

9	11.49	Providing and laying at or near ground level factory made kerb stone of M- 25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	CUM	5,098.00	4,588.20	37.1	1,70,337
10	11.47	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade reflective type rubber moduled glossy colour paving block made by block making machine with strong vibratory compaction and of approved size and shape laid in required colour and pattern over and including 60mm thick compacted bed of stone dust filling the joints with sand etc. all complete as per the direction of Engineer in charge including locking edges wherever required with cement concrete M15 grade or cement mortar 1:3 with pigment of required shade to match the colour /shade of block including cost of labour, material , etc. all complete	SQM	570.00	513.00	810	4,15,530
11	5.1 VOL1	P.V.C Pipes with solvent cement joint for 6.8 and 10 kg/ sq. cm pressure including testing of joints, cost of jointing material etc. complete in all respect (conform to IS 4985:2000 and IS 7634 (pt-3))					
		90 mm dia	RM	195.00	175.50	90	15,795
12	6.39	Brick work will well burnt open bhatta bricks crushing strength not less than 25kg/cm ² and water absorption not more than 20% in above plinth level upto floor two level In cm 1:4.	cum	2,955.00	2,659.50	36	95,742
13	15.21.1	Demolishing cement concrete manually/by mechanical means including disposal of material within 50 meters lead as per direction of Engineer-in-charge.					
		1:3:6 or richer mix	CUM	475.00	427.50	11.9	5,079
14	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed					
		All kinds of soil	CUM	127.00	114.30	7.92	905
15	4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering All work up to plinth level.					
		Cement concrete grade M-10 (Nominal Mix) with 40 mm maximum size of stone aggregate	CUM	3,528.00	3,175.20	7.92	25,148

16	6.39	Brick work will well burnt open bhatta bricks crushing strength not less than 25kg/cm ² and water absorption not more than 20% in above plinth level upto floor two level In cm 1:4.	CUM	2,955.00	2,659.50	79.2	2,10,632
17	13.1.1	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	CUM	108.00	97.20	264	25,661
18	4.1.2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering All work up to plinth level.					
		Cement concrete grade M-15 (Nominal Mix) with 20 mm maximum size of stone aggregate	CUM	4,154.00	3,738.60	5.28	19,740
19	19.2	Supplying and stacking of good earth at site including royalty and carriage up to 1 km (earth measured in stacks will be reduced by 20% for payment).	CUM	184.00	165.60	72.6	12,023
20	13.26.1	Providing and applying 1.5 mm thick (in two coat) white cement based wall putty of best quality, over plastered surface to prepare the surface <u>even and smooth complete</u>	Sqm	82.00	73.80	290	21,432
21	10.16.1	Steel work in built up tubular trusses including cutting, hoisting fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. <u>complete.</u>					
		Hot finished welded type tubes	KG	83.00	74.70	1500	1,12,050
22	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	KG	67.00	60.30	3000	1,80,900
23	8.1 (sor vol III)	ROAD marking with hot applied thermoplastic compound with reflectorising glass beads on bituminous surface (providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @250 gm per square meter area , thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC 35.The finished surface to be level, uniform and free from streaks and holes and as per relevant clauses of section 800)	sqm	900.00	810.00	270	2,18,700
24	4.8	Precasting and placing in position 125 mm dia Bollards 600 mm high of required shape including providing M.S. Pipe Sleeve 50 mm dia 300 mm long in the Bollard and M.S. Pipes 40 mm dia and 450 mm long with 150x150x6mm M.S. plate welded at bottom and embedded 150mm in cement concrete grade M-10 (Nominal Mix with 20 mm maximum size of stone aggregate) including necessary excavation of size 250x 250x 450mm deep for the same in bitumen/ concrete pavement at specified spacing.	each	416.00	374.40	32	11,981
NON SOR ITEMS							
25	NON SOR	Providing and laying creating 3 D wall paint/ art work with approved brand quality and with appropriate base material	Sqm	800.00		1320	10,56,000
26	N-SOR	Foxtail Palm, Bag size 25"x25" size 8 to 10 feet	nos	1,200.00		10	12,000
27	N-SOR	Bottle Palm, Bag size 25"x25" size 8 to 10 feet	nos	1,300.00		10	13,000
28	N-SOR	phycus plant Bag size 25"x25" size 6 to 8 feet	nos	800.00		20	16,000
29	N-SOR	silver youks Bag size 25"x25" size 7 feet	nos	1,500.00		20	30,000

30	N-SOR	alistroiya with height 8 feet bag size 21'x21'		900.00		11	9,900
31	N-SOR	providing and fixing Galvanised iron material decorative light pole 3 m height with lamp , wiring , starter, panel,labour etc as per engineer in charge	nos	18,000.00		20	3,60,000
32	N-SOR	providing and fixing Decorative dustbin in animal model attractive in public places like hotels, parks ,school,bus stand ,railway station and many such situations with height 48" &60 Liter capacity as per engineer in charge	nos	6,900.00		6	41,400
33	N-SOR	providing ,erecting ,testing and commissioning solar street light system on 80 mm heavy duty galvanised iron pipe 6 meter height with 30cmx30cmx2mm base plate installed own cement concrete pedestal casing complete with solar panel ,solar battery with charger ,other accessories with conrol panel in weather proof pole box ,solar fitting LED types or CFL type 18 watt to 20 watt (set of 2 nos)	nos	21,500.00		25	5,37,500
34	N-SOR	installation of vertical green wall as per engineer in charge	nos	153.00		170	26,010
35	N-SOR	operation and maintainance of vertical green wall 1 year from the date of installation	nos	22.00		170	3,740
36	N-SOR	providing and fixing PVC SPEED braker of black and yellow in color and with size 500x400x50 and as per engineer in charge	RM	1,500.00		30	45,000
37	NON SOR	Providing and fixing cast iron chair with not less than 40 kg in weight with base of square tubullar pipe as per engineer in charge	nos	4,500.00		10	45,000
38		providing and fixing SS signage board with 304 gauge with pole height 3.5 m height grouted 30 cm deep with 60cmx60cm size and weight of complete assembly not less than 30 kg	nos	3,000.00		12	36,000
39	N-SOR	8 Mega Pixel Bullet Camera		10,000.00		16	1,60,000
40	N-SOR	8 Mega Pixel High Speed IR PTZ Dome Camera		1,15,000.00		6	6,90,000
41	N-SOR	16 Channel 4 K Network Video Recorder (NVR) with wireless mouse with HDD 6TB SATA HDD Surveillance,Accessories, connectors, converters etc., STP CABLE (Required for installation and commissioning of equipment's), GI poles and masts (including supply, erection and installation complete wherever required), Cable installation, Electricity fitting, Over all Total Cost of Project with 3 years warranty on all installed items and maintenance		2,24,000.00		1	2,24,000
42	N-SOR	Installation of Street Panic Button		1,000.00		16	16,000
		Total					55,60,545