

**ABSTRACT OF COST - SH 05**

**NAME OF WORK :- DPR for Construction of PLAZA at left side bank ZONE N-III, Nanded.**

**29.01.2007**

ITEM	Description of Item	Quantity	Rate	Unit	Amount	Reference
						<b>PWD DSR-2006-07</b>
1.00	Excavation for foundation including shoring and strutting as necessary and disposing off excavated stuff as directed In earth, soils of all type sand, gravel, soft murum etc. complete (excluding dewatering if separately provided etc. complete) as directed by Engineer in charge for depth-of-1.5m.	14,328.00 CUM	134.05	CUM	Rs 1,920,668.00	, Item no- 751, P-270
2.00	Providing and filling with approved Sand, shingle below raft including watering, compaction etc. complete as directed by Engineer in charge.	4,771.00 CUM	187.75	CUM	Rs 895,755.00	Item no- 759, P- 271
3.00	Providing dry trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm. to 20 cm. thick including hand packing and compacting complete	3,371.00 CUM	236.10	CUM	Rs 795,893.00	Item no-17 P.No- 10
4.00	Providing selected hard murum filling including laying in layers of 15 cm. to 20 cm. thick layers including watering and compacting etc. complete as directed by Engineer in charge	2,179.00 CUM	174.75	CUM	Rs 380,780.00	Item no-737 P.No-266
5.00	Providing and laying in situ cement concrete in 1:5:10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, form work, compacting, finishing if required and curing etc. complete.	2,179.00 CUM	1,241.65	CUM	Rs 2,705,555.00	I.No-32 P.No-16
6.00	Providing and laying in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete work in foundation like raft, grillages, strip foundation and footings of reinforced cement concrete columns and steel stanchion including bailing out water, form work, compaction and finishing, curing etc. complete. (Excluding steel reinforcement and structural steel)	423.00 CUM	2,747.40	CUM	Rs 1,162,150.00	I.No-46 P.No-19
7.00	Providing and laying in situ controlled reinforced cement concrete of M-20 for cut off walls, Walls ( of any thickness) including form work, scaffolding, compaction, by vibrating, finishing, curing etc. complete as directed by Engineer in charge. (7.60 bags/ Cum.)	548.00 CUM	3,252.45	CUM	Rs 1,782,343.00	I.No-764 P.No- 273

ITEM	Description of Item	Quantity	Rate	Unit	Amount	Reference
8.00	Providing and casting in situ cement concrete M-20/ 1: 1½ :3 of trap/ granite/ quartzite/ gneiss metal for coping to plinth or parapet, moulded or chamfered as per drawings or as directed including centering, formwork, compacting, roughening them if special finish is to be provided, finishing if required and curing etc. complete.(7.60 Bag/ Cum.)	155.00 CUM	2,751.60	CUM	Rs 426,498.00	I.No-36 P.No-17
9.00	Providing and casting in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for steps including centering, form work, compacting, finishing the exposed faces with sufficient minimum thickness of 1:3 cement plaster to give a smooth and even surface or roughening them if special finish is to be provided and curing etc. complete.(7.60 Bag/Cum.)	7.00 CUM	2,626.65	CUM	Rs 18,387.00	I.No-33 P.No-16
10.00	Providing and casting in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete slabs and landings as per detailed designs and drawings, including, centering, form work, compacting and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement) (7.60 Bag/ Cum.)	28.00 CUM	3,216.75	CUM	Rs 90,069.00	I.No-54 P.No-22
11.00	Providing and laying HYSD bars with cement polymer composite coating (CPCC) anticorrosive epoxy treatment for reinforcement for structure including cutting,bending hooking by machine,trying in position including binding wire, spacers, chairs,cover blocks as per detailed drawing including all leads and lifts etc. complete.	100.30 MT	40,143.60	MT	Rs 4,026,403.00	I.No-803 P.No-283
12.00	Providing earth work for embankment with approved materials obtained by excavation from departmental land or other sources including all lifts and leads upto 50 m, laying in layers of 20 cm. to 30 cm. thickness breaking clods, dressing to the required lines, curves, grade and section, watering and Compaction with power roller etc. complete as directed by Engineer in charge.	2,866.00 CUM	36.75	CUM	Rs 105,326.00	I.No-655 P.No-232

ITEM	Description of Item	Quantity	Rate	Unit	Amount	Reference
13.00	Providing uncoursed rubble masonry of trap/granite/ quartzite/ gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually, striking joints on unexposed faces and watering complete.	387.00 CUM	928.05	CUM	Rs 359,155.00	I.No-99 P.No-57
14.00	Providing coursed rubble masonry first sort of trap/ granite/ quartzite/ gneiss stones in cement mortar 1:6 in external wall of plinth including bailing out water manually, striking joints inside and watering.	145.00 CUM	1,237.80	CUM	Rs 179,481.00	I.No-103 P.No-57
15.00	Clearing and removing bushes, waiste trees etc. on bank of river including stacking etc. complete as directed by Engineer in charge.	15,128.00 SQM	2.85	SQM	Rs 43,115.00	I.No-K-50 P.No-41
16.00	Providing and laying Rough Shahabad Stone Flooring 50 mm. to 60 mm.-thick and of required width in plain/ diamond pattern on a bed of 1:6 cement mortar including cement float, striking joints,pointing in cement mortar 1:3 curing and cleaning etc. complete.	10,900.00 SQM	211.05	SQM	Rs 2,300,445.00	I.No-158 P.No-85
17.00	Providing and fixing mudhugal granite Stone block, chisel dressed (two line chisel dressed) Flooring /paving with 70 mm. thick of sizes with hand cut edges and smooth chisel dressed on top ( top surface undulation not exceeding more than 3mm ) in required pattern, laid with the other stones, for paving, floors etc. laid over 20mm thick base mortar 1:4 (1 cement : 4 coarse sand ) with joints 20mm ( average ) wide filled with same mortar and 4mm deep recessed pointing with cement mortar 1:2 (1 cement : 2 stone dust ) including , cleaning, curing etc.all complete as per approved drawing and direction of Engineer in charge.	2,053.00 SQM	1,778.85	SQM	Rs 3,651,979.00	A.R. attached
18.00	Providing and laying chisel dressed (two line chisel dressed) granite Stone blocks in steps & risers with fine dressed edges of steps 70 mm. to 80 mm.-thick and of required width in plain/ diamond pattern on a bed of 1:4 cement mortar including cement float, striking joints,pointing in cement mortar 1:3 curing and cleaning etc. complete.	11.00 SQM	3,037.75	SQM	Rs 33,415.00	A.R. attached

ITEM	Description of Item	Quantity	Rate	Unit	Amount	Reference
19.00	Providing and fixing of 450 mm dia Precast concrete. bollards Spherical shape Red/Grey shade (K.K manholes, Delhi or any equivalent Approved Make.) including excavating holes upto required size in all kinds of soil, and providing and fixing of required concrete Base of 1:3:4(1 cement:3 coarse sand: 4 graded stone) for fixing as per direction of engineer- in- charge, all complete as per direction of Engineer-in-charge.	120.00 Nos.	1,934.75	Each	Rs 232,170.00	Analysis of Rate S.No-28
20.00	Dismantling stone masonry in lime or cement including stacking the materials as directed with all leads and lifts complete. As directed by Engineer in charge	116.00 CUM	77.70	CUM	Rs 9,013.00	I.No-596 P.No- 218
21.00	Removing lime or lean cement concrete including stacking the spoils as directed with all leads and lifts complete. As directed by Engineer in charge	100.00 CUM	51.45	CUM	Rs 5,145.00	I.No-597 P.No- 218
22.00	Removing rich mix cement concrete including stacking the spoils as directed with all leads and lifts complete. As directed by Engineer in charge	190.00 CUM	130.20	CUM	Rs 24,738.00	I.No-598 P.No- 218
23.00	Removing trap stone from floor without bed concrete including stacking the materials as directed with all leads, lifts complete	400.00 SQM	13.65	SQM	Rs 5,460.00	I.No-604 P.No- 219
24.00	Removing Shahabad or Tandur stones/ cement tiles / marble mosaic tiles from floor without bed concrete including stacking the materials as directed with all leads, lifts complete.	300.00 SQM	13.65	SQM	Rs 4,095.00	I.No-605 P.No- 219
25.00	Dismantling carefully the old cement concrete of reinforced cement concrete structure by chiselling or breaker including cutting reinforcement, steel bars, sorting out serviceable materials and stacking and disposing off unserviceable material upto lead of 50 m. etc. complete as directed by Engineer in charge.	70.00 CUM	292.95	CUM	Rs 20,507.00	I.No-745 P.No- 269
<b>GRAND TOTAL</b>					<b>Rs 21,178,545.00</b>	

**DETAILS OF MEASUREMENT - SH 05**

29.01.2007

**NAME OF WORK :- DPR for Construction of PLAZA at left side bank ZONE N-III, Nanded.**

I. No.	Item in Brief	No.	Length Meter	Breadth Meter	Height Meter	Contents CUM	unit
	<b>DETAILS OF WORKS</b>	<b>AREA</b>					
	1: PLAZA -1 ( 3069sqm )	3,069.00					sqm
	2: PLAZA -2 ( 8466sqm )	8,466.00					sqm
	3: PLAZA -3 ( 3593sqm )	3,593.00					sqm
	<b>Total</b>	<b>15,128.00</b>					<b>sqm</b>
1.00	Excavation for foundation including shoring and strutting as necessary and disposing off excavated stuff as directed In earth, soils <u>for bottom profile cutting for plaza</u>						
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	For filling area =700sqm						
	Earth work for over areas excavation on Av. Level =355.70-0.72=354.98	1.00	700.00		0.75	525.00	cum
	Earth work for over areas excavation on Av. Depth	1.00	1600.00		1.00	1600.00	cum
	for "G" retaining wall along with Road	1.00	200.00	2.20	1.63	717.20	cum
	for "F" other side retaining wall =50+40	1.00	90.00	1.70	1.63	249.39	cum
	for seating walls	5.00	15.00	0.90	1.35	91.13	cum
	planter wall c/c =4*3.0m	5.00	12.00	0.90	1.35	72.90	cum
	<b>2: PLAZA -2 ( 8466sqm )</b>					0.00	
	For filling area =1500sqm						
	Earth work for over areas excavation on Av. Level =355.70-0.72=354.98	1.00	3000.00		0.75	2250.00	cum
	Earth work for over areas excavation on Av. Depth	1.00	2500.00		1.00	2500.00	cum
	for "G" retaining wall along with Road	1.00	210.00	2.20	1.63	753.06	cum
	for "F" other side retaining wall =83+65+30+90	1.00	268.00	1.70	1.63	742.63	cum
	for seating walls	5.00	15.00	0.90	1.35	91.13	cum
	planter wall c/c =4*3.0m	17.00	12.00	0.90	1.35	247.86	cum
	<b>3: PLAZA -3 ( 3593sqm )</b>					0.00	
	For filling area =593sqm						
	Earth work for over areas excavation on Av. Level =355.70-0.72=354.98	1.00	1000.00		0.75	750.00	cum
	Earth work for over areas excavation on Av. Depth	1.00	2000.00		1.00	2000.00	cum
	for "G" retaining wall along with Road	1.00	60.00	2.20	1.63	215.16	cum
	for "F" other side retaining wall =63+90+20+34	1.00	207.00	1.70	1.63	573.60	cum
	for seating walls	5.00	15.00	0.90	1.35	91.13	cum
	planter wall c/c =4*3.0m	19.00	12.00	0.90	1.35	277.02	cum
	Add for small portions ..L.S	11622.19	cum	5.00	%	581.11	cum
						TOTAL	14328.30 cum
						<b>SAY</b>	<b>14,328.00 cum</b>
2.00	Providing and filling with approved Sand, shingle below raft including watering, compaction etc. ... <u>Under floor ....below the base of floor....0.30m thick sand filling over ground</u>						
	<b>1: PLAZA -1 ( 3069sqm )</b>						

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Under floor ....below the base floor .... filling over ground=80% assumed Paving	1.00	2455.20	sqm	0.30	736.56 cum	
	<u>Below the foundation</u>					0.00	
	for "G" retaining wall along with Road	1.00	200.00	2.20	0.30	132.00 cum	
	for "F" other side retaining wall =50+40	1.00	90.00	1.70	0.30	45.90 cum	
	for seating walls	5.00	15.00	0.90	0.15	10.13 cum	
	planter wall c/c =4*3.0m	5.00	12.00	0.90	0.15	8.10 cum	
	<b>2: PLAZA -2 ( 8466sqm )</b>					0.00	
	Under floor ....below the base floor .... filling over ground=80% assumed Paving	1.00	6772.80	sqm	0.30	2031.84 cum	
	<u>Below the foundation</u>					0.00	
	for "G" retaining wall along with Road	1.00	210.00	2.20	0.30	138.60 cum	
	for "F" other side retaining wall =83+220+38						
	for seating walls	1.00	268.00	1.70	0.30	136.68 cum	
	planter wall c/c =4*3.0m	5.00	15.00	0.90	0.15	10.13 cum	
		17.00	12.00	0.90	0.15	27.54 cum	
	<b>3: PLAZA -3 ( 3593sqm )</b>					0.00	
	Under floor ....below the base floor .... filling over ground	1.00	2874.40	sqm	0.30	862.32 cum	
	Extra for lower area filling Av. Depth taken for filling the lower / down areas	1.00	593.00	sqm	0.75	444.75 cum	
	for "G" retaining wall along with Road	1.00	60.00	2.20	0.30	39.60 cum	
	for "F" other side retaining wall =63+90+20+34	1.00	207.00	1.70	0.30	105.57 cum	
	for seating walls	5.00	15.00	0.90	0.15	10.13 cum	
	planter wall c/c =4*3.0m	19.00	12.00	0.90	0.15	30.78 cum	
						<b>TOTAL 4,770.62 cum</b>	
						<b>SAY 4,771.00 cum</b>	
3.00	Providing dry trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm. to 20 cm. thick including hand packing and compacting <u>Under floor ...below the base slab ...0.23m</u> <u>thick stone soling/ filling over sand</u>						
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	Under floor ....below the base slab .... filling over ground	1.00	2455.20	sqm	0.23	564.70 cum	
	<u>Below the foundation</u>					0.00	
	for "G" retaining wall along with Road	1.00	200.00	2.20	0.23	101.20 cum	
	for "F" other side retaining wall =50+40	1.00	90.00	1.70	0.23	35.19 cum	
	for seating walls	5.00	15.00	0.90	0.20	13.50 cum	
	planter wall c/c =4*3.0m	5.00	12.00	0.90	0.20	10.80 cum	
	<b>2: PLAZA -2 ( 8466sqm )</b>					0.00	
	Under floor ....below the base floor .... filling over ground	1.00	6772.80	sqm	0.23	1557.74 cum	
	<u>Below the foundation</u>					0.00	
	for "G" retaining wall along with Road	1.00	210.00	2.20	0.23	106.26 cum	
	for "F" other side retaining wall =83+220+38						
	for seating walls	1.00	268.00	1.70	0.23	104.79 cum	
	planter wall c/c =4*3.0m	5.00	15.00	0.90	0.20	13.50 cum	
		17.00	12.00	0.90	0.20	36.72 cum	
	<b>3: PLAZA -3 ( 3593sqm )</b>					0.00	
	Under floor ....below the base floor .... filling over ground	1.00	2874.40	sqm	0.23	661.11 cum	
	for "G" retaining wall along with Road	1.00	60.00	2.20	0.23	30.36 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	for "F" other side retaining wall =63+90+20+34	1.00	207.00	1.70	0.23	80.94	cum
	for seating walls	5.00	15.00	0.90	0.20	13.50	cum
	planter wall c/c =4*3.0m	19.00	12.00	0.90	0.20	41.04	cum
						<b>TOTAL</b>	<b>3,371.35 cum</b>
						<b>SAY</b>	<b><u>3,371.00 cum</u></b>
4.00	Providing selected hard murum filling including laying in layers of 15 cm. to 20 cm. thick layers including watering and compacting etc. <u>Under floor ...below the base slab ...0.15m thick muram filling/ grouting for stone soling</u>						
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	Under floor ....below the base slab .... filling over ground	1.00	2455.20	sqm	0.15	368.28	cum
	<u>Below the foundation</u>					0.00	
	for "G" retaining wall along with Road	1.00	200.00	2.20	0.15	66.00	cum
	for "F" other side retaining wall =50+40	1.00	90.00	1.70	0.15	22.95	cum
	for seating walls	5.00	15.00	0.90	0.10	6.75	cum
	planter wall c/c =4*3.0m	5.00	12.00	0.90	0.10	5.40	cum
						0.00	
	<b>2: PLAZA -2 ( 8466sqm )</b>						
	Under floor ....below the base floor .... filling over ground	1.00	6772.80	sqm	0.15	1015.92	cum
	<u>Below the foundation</u>					0.00	
	for "G" retaining wall along with Road	1.00	210.00	2.20	0.15	69.30	cum
	for "F" other side retaining wall =83+220+38						
		1.00	268.00	1.70	0.15	68.34	cum
	for seating walls	5.00	15.00	0.90	0.10	6.75	cum
	planter wall c/c =4*3.0m	17.00	12.00	0.90	0.10	18.36	cum
						0.00	
	<b>3: PLAZA -3 ( 3593sqm )</b>						
	Under floor ....below the base floor .... filling over ground	1.00	2874.40	sqm	0.15	431.16	cum
	for "G" retaining wall along with Road	1.00	60.00	2.20	0.15	19.80	cum
	for "F" other side retaining wall =63+90+20+34	1.00	207.00	1.70	0.15	52.79	cum
	for seating walls	5.00	15.00	0.90	0.10	6.75	cum
	planter wall c/c =4*3.0m	19.00	12.00	0.90	0.10	20.52	cum
						<b>TOTAL</b>	<b>2,179.07 cum</b>
						<b>SAY</b>	<b><u>2,179.00 cum</u></b>

5.00 Providing and laying in situ cement concrete in 1:5:10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, form work, compacting,

	<b>1: PLAZA -1 ( 3069sqm )</b>						
	Under floor ...below the base ....0.10m thick cc base over muram filling/ grouting	1.00	2455.20	sqm	0.15	368.28	cum
	<u>Below the foundation</u>					0.15	0.00
	for "G" retaining wall along with Road	1.00	200.00	2.20	0.15	66.00	cum
	for "F" other side retaining wall =50+40	1.00	90.00	1.70	0.15	22.95	cum
	for seating walls	5.00	15.00	0.90	0.10	6.75	cum
	planter wall c/c =4*3.0m	5.00	12.00	0.90	0.10	5.40	cum
						0.00	
	<b>2: PLAZA -2 ( 8466sqm )</b>						
	Under floor ....below the base floor .... filling over ground	1.00	6772.80	sqm	0.15	1015.92	cum

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	<u>Below the foundation</u>					0.00	
	for "G" retaining wall along with Road	1.00	210.00	2.20	0.15	69.30 cum	
	for "F" other side retaining wall =83+220+38						
		1.00	268.00	1.70	0.15	68.34 cum	
	for seating walls	5.00	15.00	0.90	0.10	6.75 cum	
	planter wall c/c =4*3.0m	17.00	12.00	0.90	0.10	18.36 cum	
	<b>3: PLAZA -3 ( 3593sqm )</b>					0.00	
	Under floor ....below the base floor .... filling						
	over ground	1.00	2874.40	sqm	0.15	431.16 cum	
	for "G" retaining wall along with Road	1.00	60.00	2.20	0.15	19.80 cum	
	for "F" other side retaining wall						
	=63+34+20+90	1.00	207.00	1.70	0.15	52.79 cum	
	for seating walls	5.00	15.00	0.90	0.10	6.75 cum	
	planter wall c/c =4*3.0m	19.00	12.00	0.90	0.10	20.52 cum	
						<b>TOTAL</b>	<b>2,179.07 cum</b>
						<b>SAY</b>	<b>2,179.00 cum</b>
6.00	Providing and laying in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete work in <b>foundation like raft, grillages, strip foundation and footings</b> of reinforced cement' concrete columns						
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	for "G" retaining wall along with Road	1.00	200.00	2.10	0.25	105.00 cum	
	for "F" other side retaining wall =50+40	1.00	90.00	1.50	0.25	33.75 cum	
	<b>2: PLAZA -2 ( 8466sqm )</b>					0.00	
	for "G" retaining wall along with Road	1.00	210.00	2.10	0.25	110.25 cum	
	for "F" other side retaining wall =83+220+38						
		1.00	268.00	1.50	0.20	80.40 cum	
	<b>3: PLAZA -3 ( 3593sqm )</b>					0.00	
	for "G" retaining wall along with Road	1.00	60.00	2.10	0.25	31.50 cum	
	for "F" other side retaining wall						
	=63+34+20+90	1.00	207.00	1.50	0.20	62.10 cum	
						<b>TOTAL</b>	<b>423.00 cum</b>
						<b>SAY</b>	<b>423.00 cum</b>
7.00	Providing and laying in situ controlled reinforced cement concrete of M-20 for <b>cut off walls, Walls</b> ( of any thickness) including form work, scaffolding, compaction, by vibrating, finishing, curing etc. complete as directed by Engineer in charge. (7.60 bags/ Cum.)						
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	<u>For wall</u>				<u>Avg. Ht.</u>		
	for "G" retaining wall along with Road	1.00	200.00	0.25	2.60	130.00 cum	
	for "F" other side retaining wall =50+40	1.00	90.00	0.25	2.30	51.75 cum	
	<b>2: PLAZA -2 ( 8466sqm )</b>					0.00	
	<u>For wall</u>					0.00	
	for "G" retaining wall along with Road	1.00	210.00	0.25	2.60	136.50 cum	
	for "F" other side retaining wall =83+220+38						
		1.00	268.00	0.175	2.30	107.87 cum	
	<b>3: PLAZA -3 ( 3593sqm )</b>						
	<u>For wall</u>						
	for "G" retaining wall along with Road	1.00	60.00	0.25	2.60	39.00 cum	
	for "F" other side retaining wall						
	=63+34+20+90	1.00	207.00	0.175	2.30	83.32 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
						TOTAL	548.44 cum
						SAY	<u>548.00 cum</u>
8.00	Providing and casting in situ cement concrete M-20/ 1: 1½ :3 of trap/ granite/ quartzite/ gneiss metal for coping to plinth or <b>parapet</b> , moulded or chamfered as per drawings						
	<u>Parapet wall above Ground Level</u>						
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	for "G" retaining wall along with Road	1.00	200.00	0.15	1.00	30.00	cum
	for "F" other side retaining wall =50+40	1.00	90.00	0.15	1.00	13.50	cum
	<b>2: PLAZA -2 ( 8466sqm )</b>					0.00	
	for "G" retaining wall along with Road	1.00	210.00	0.15	1.00	31.50	cum
	for "F" other side retaining wall =83+220+38						
		1.00	268.00	0.15	1.00	40.20	cum
	<b>3: PLAZA -3 ( 3593sqm )</b>					0.00	
	for "G" retaining wall along with Road	1.00	60.00	0.15	1.00	9.00	cum
	for "F" other side retaining wall =63+34+20+90	1.00	207.00	0.15	1.00	31.05	cum
						TOTAL	155.25 cum
						SAY	<u>155.00 cum</u>
9.00	Providing and casting in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for <b>steps</b> including centering, form work, compacting, finishing the exposed faces with ...						
	<u>for access from road to plaza</u>						
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	for access from road to plaza=5*10nos*0.50	25.00	2.50	0.15	0.30	2.81	cum
	<b>2: PLAZA -2 ( 8466sqm )</b>						
	for access from road to plaza=5*10nos*0.50	25.00	2.50	0.15	0.30	2.81	cum
	<b>3: PLAZA -3 ( 3593sqm )</b>						
	for access from road to plaza=3*10nos*0.50	15.00	2.50	0.15	0.30	1.69	cum
						TOTAL	7.31 cum
						SAY	<u>7.00 cum</u>
10.00	Providing and casting in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete <b>slabs and landings</b> as per detailed designs and drawings, including, centering, form work, compacting and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement) (7.60 Bag/ Cum.)						
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	for steps slab	5.00	2.50	3.50	0.25	10.94	cum
	<b>2: PLAZA -2 ( 8466sqm )</b>						
	for steps slab	5.00	2.50	3.50	0.25	10.94	cum
	<b>3: PLAZA -3 ( 3593sqm )</b>						
	for steps slab	3.00	2.50	3.50	0.25	6.56	cum
							cum
						TOTAL	28.44 cum
						SAY	<u>28.00 cum</u>

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
11.00	Providing and laying HYSD bars with cement polymer composite coating (CPCC) anticorrosive epoxy treatment for reinforcement for structure including cutting, bending hooking by machine, trying....						
	for portion of RCC as per i/no						
	l/no- 11 raft, strip foundation and footings	423.00	@	80.00	Kg/m	33840.00	Kg
	l/no- 12 ... cut off walls, Walls	548.44	@	90.00	Kg/m	49359.38	Kg
	l/no- 13 for ....coping to plinth or parapet	155.00	@	90.00	Kg/m	13950.00	Kg
	l/no- 14 for ... steps	7.00	@	90.00	Kg/m	630.00	Kg
	l/no- 16 for ....slabs and landings	28.00	@	90.00	Kg/m	2520.00	Kg
						TOTAL	100299.38 Kg
						<b>SAY</b>	<b>100.30 M.T</b>
12.00	Providing earth work for embankment with approved materials obtained by excavation from departmental land or other sources including all lifts and leads upto 50 m, laying in layers of 20 cm. to 30 cm. thickness breaking clods, dressing to the required lines, curves, grade and section, watering and Compaction with power roller etc. complete as directed by Engineer in charge.						
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	Av. Depth taken for filling the lower / down areas	1.00	700.00	sqm	0.75	525.00	cum
	for back filling in foundations of walls etc. taken as area for filling =67%					0.00	
	for "G" retaining wall along with Road	0.67	200.00	2.20	1.63	480.52	cum
	for "F" other side retaining wall =50+40	0.67	90.00	2.20	1.63	216.24	cum
	<b>2: PLAZA -2 ( 8466sqm )</b>					0.00	
	Av. Depth taken for filling the lower / down areas	1.00	1500.00	sqm	0.75	1125.00	cum
	for back filling in foundations of walls etc. taken as area for filling =67%					0.00	
	for "G" retaining wall along with Road	0.67	210.00	0.15	1.00	21.11	
	for "F" other side retaining wall =83+220+38	0.67	268.00	0.15	1.00	26.93	cum
	<b>3: PLAZA -3 ( 3593sqm )</b>					0.00	
	Av. Depth taken for filling the lower / down areas	1.00	593.00	sqm	0.75	444.75	cum
	for back filling in foundations of walls etc. taken as area for filling =67%					0.00	
	for "G" retaining wall along with Road	0.67	60.00	0.15	1.00	6.03	cum
	for "F" other side retaining wall =63+34+20+90	0.67	207.00	0.15	1.00	20.80	cum
						TOTAL	2866.38 cum
						<b>SAY</b>	<b>2866.00 cum</b>
13.00	Providing uncoursed rubble masonry of trap/granite/ quartzite/ gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually, striking joints on unexposed faces and watering complete.						

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	for seating walls	5.00	15.00	0.75	0.30	16.88 cum	
		5.00	15.00	0.60	0.30	13.50 cum	
		5.00	15.00	0.45	0.30	10.13 cum	
	planter wall c/c =4*3.0m	5.00	12.00	0.75	0.30	13.50 cum	
		5.00	12.00	0.60	0.30	10.80 cum	
		5.00	12.00	0.45	0.30	8.10 cum	
	<b>2: PLAZA -2 ( 8466sqm )</b>					0.00	
	for seating walls	5.00	15.00	0.75	0.30	16.88 cum	
		5.00	15.00	0.60	0.30	13.50 cum	
		5.00	15.00	0.45	0.30	10.13 cum	
	planter wall c/c =4*3.0m	17.00	12.00	0.75	0.30	45.90 cum	
		17.00	12.00	0.60	0.30	36.72 cum	
		17.00	12.00	0.45	0.30	27.54 cum	
	<b>3: PLAZA -3 ( 3593sqm )</b>					0.00	
	for seating walls	5.00	15.00	0.75	0.30	16.88 cum	
		5.00	15.00	0.60	0.30	13.50 cum	
		5.00	15.00	0.45	0.30	10.13 cum	
	planter wall c/c =4*3.0m	19.00	12.00	0.75	0.30	51.30 cum	
		19.00	12.00	0.60	0.30	41.04 cum	
		19.00	12.00	0.45	0.30	30.78 cum	
						<b>TOTAL</b>	387.18 cum
						<b>SAY</b>	<b>387.00 cum</b>
14.00	Providing coursed rubble masonry first sort of trap/ granite/ quartzite/ gneiss stones in cement mortar 1:6 in external wall of plinth including bailing out water manually, striking joints inside and watering.						
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	for seating walls	5.00	15.00	0.45	0.45	15.19 cum	
	planter wall c/c =4*3.0m	5.00	12.00	0.45	0.45	12.15 cum	
	<b>2: PLAZA -2 ( 8466sqm )</b>					0.00	
	for seating walls	5.00	15.00	0.45	0.45	15.19 cum	
	planter wall c/c =4*3.0m	17.00	12.00	0.45	0.45	41.31 cum	
	<b>3: PLAZA -3 ( 3593sqm )</b>					0.00	
	for seating walls	5.00	15.00	0.45	0.45	15.19 cum	
	planter wall c/c =4*3.0m	19.00	12.00	0.45	0.45	46.17 cum	
						<b>TOTAL</b>	145.19 cum
						<b>SAY</b>	<b>145.00 cum</b>
15.00	Clearing and removing bushes, waiste trees etc. on bank of river including						
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	for total area	1.00	3069.00 sqm			3069.00 sqm	
	<b>2: PLAZA -2 ( 8466sqm )</b>					0.00	
	for total area	1.00	8466.00 sqm			8466.00 sqm	
	<b>3: PLAZA -3 ( 3593sqm )</b>					0.00	
	for total area	1.00	3593.00 sqm			3593.00 sqm	
						<b>TOTAL</b>	15128.00 sqm
						<b>SAY</b>	<b>15128.00 sqm</b>
16.00	Providing and laying Rough Shahabad Stone Flooring 50 mm. to 60 mm.-thick and of required width in plain/ diamond pattern on a bed of 1:6 cement mortar						
	<b>1: PLAZA -1 ( 3069sqm )</b>					%	
	for Paving of area as 80%	1.00	3069.00 sqm		70	2148.30 sqm	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	over parapet walls					0.00	
	for "G" retaining wall along with Road	1.00	200.00	0.30		60.00 sqm	
	for "F" other side retaining wall =50+40	1.00	90.00	0.30		27.00 sqm	
	<b>2: PLAZA -2 ( 8466sqm )</b>					%	0.00
	for Paving of area as 80%	1.00	8466.00	sqm	70	5926.20 sqm	
	over parapet walls					0.00	
	for "G" retaining wall	1.00	210.00	0.30		63.00 sqm	
	for "F" other side	1.00	268.00	0.30		80.40 sqm	
	<b>3: PLAZA -3 ( 3593sqm )</b>					%	0.00
	for Paving of area as80%	1.00	3593.00	sqm	70	2515.10 sqm	
	over parapet walls					0.00	
	for "G" retaining wall	1.00	60.00	0.30		18.00 sqm	
	for "F" other side	1.00	207.00	0.30		62.10 sqm	
						TOTAL	10900.10 sqm
						<b>SAY</b>	<b>10900.00</b> sqm

17.00 Providing and laying chisel dressed (two line chisel dressed) granite Stone block Flooring with 70 mm. to 80 mm.-thick stone and of required size laid in plain/ diamond pattern on a bed of 1:6 cement mortar including cement float, striking joints,pointing in cement mortar 1:3 curing and cleaning etc. complete.

	<b>1: PLAZA -1 ( 3069sqm )</b>					%	
	for Paving of area as 10%	1.00	8466.00	sqm	10	846.60 sqm	
	<b>2: PLAZA -2 ( 8466sqm )</b>						0.00
	for Paving of area as 10%	1.00	8466.00	sqm	10	846.60 sqm	
	<b>3: PLAZA -3 ( 3593sqm )</b>						0.00
	for Paving of area as 10%	1.00	3593.00	sqm	10	359.30 sqm	
							0.00 sqm
						TOTAL	2052.50 sqm
						<b>SAY</b>	<b>2053.00</b> sqm

18.00 Providing and laying chisel dressed (two line chisel dressed) granite Stone blocks in steps & risers with fine dressed edges of steps 70 mm. to 80 mm.-thick and of required width in plain/ diamond pattern on a bed of 1:4 cement mortar including cement float, striking joints,pointing in cement mortar 1:3 curing and cleaning etc. complete.

	<b>1: PLAZA -1 ( 3069sqm )</b>						
	Total steps						
	for access from road to plaza						
	for access from road to plaza=10nos*0.50	5.00	2.50	0.30		3.75 sqm	
	risers	5.00	2.50	0.15		1.88 sqm	
	<b>2: PLAZA -2 ( 8466sqm )</b>						0.00
	for access from road to plaza						0.00
	for access from road to plaza=10nos*0.50	5.00	2.50	0.30		3.75 sqm	
	risers	5.00	2.50	0.15		1.88 sqm	
	<b>3: PLAZA -3 ( 3593sqm )</b>						0.00
	for access from road to plaza						0.00
	for access from road to plaza=10nos*0.50	3.00	2.50	0.30		2.25 sqm	
	risers	3.00	2.50	0.15		1.13 sqm	
						TOTAL	10.88 sqm
						<b>SAY</b>	<b>11.00</b> sqm

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
19.00	Providing and fixing of 450 mm dia Precast concrete. bollards Spherical shape Red/Grey shade (K.K manholes, Delhi or any equivalent Approved Make.) including excavating holes upto required size in all kinds of soil, and providing and fixing of required concrete Base of 1:3:4(1 cement:3 coarse sand: 4 graded stone) for fixing as per direction of engineer- in- charge, all complete as per direction of Engineer-in-charge.						
	<b>1: PLAZA -1 ( 3069sqm )</b> Bollard with walls	1.00	30.00			30.00 Nos	
	<b>2: PLAZA -2 ( 8466sqm )</b> Bollard with walls	1.00	50.00			50.00 Nos	
	<b>3: PLAZA -3 ( 3593sqm )</b> Bollard with walls	1.00	40.00			40.00 Nos	
						TOTAL	120.00 Nos
						<b>SAY</b>	<b>120.00</b> Nos
20.00	Dismantling stone masonry in lime or cement including stacking the materials as directed with all leads and lifts complete. As directed by Engineer in charge						
	<b>1: PLAZA -1 ( 3069sqm )</b> taken small qutty parapet wall	L.S.				40.00 cum	
	<b>2: PLAZA -2 ( 8466sqm )</b> both side parapet wall	2.00	70.00	0.45	1.20	75.60 cum 0.00 cum	
						TOTAL	115.60 cum
						<b>SAY</b>	<b>116.00</b> cum
21.00	Removing lime or lean cement concrete including stacking the spoils as directed with all leads and lifts complete. As directed by Engineer in charge						
	<b>1: PLAZA -1 ( 3069sqm )</b> taken small qutty Existing paving area	L.S.				50.00 cum 0.00	
	<b>2: PLAZA -2 ( 8466sqm )</b> taken small qutty Existing paving area	L.S.				0.00 50.00 cum	
						TOTAL	100.00 cum
						<b>SAY</b>	<b>100.00</b> cum
22.00	Removing rich mix cement concrete including stacking the spoils as directed with all leads and lifts complete. As directed by Engineer in charge						
	<b>1: PLAZA -1 ( 3069sqm )</b> taken small qutty Existing paving area	L.S.				50.00 cum 0.00	
	<b>2: PLAZA -2 ( 8466sqm )</b> taken small qutty Existing paving area	L.S.				0.00 90.00 cum	
	<b>3: PLAZA -3 ( 3593sqm )</b>					0.00	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	taken small qutty	L.S.				0.00	
	Existing paving area					50.00	cum
						TOTAL	190.00 cum
						<b>SAY</b>	<b>190.00</b> cum
23.00	Removing trap stone from floor without bed concrete including stacking the materials as directed with all leads, lifts complete						
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	taken small qutty	L.S.					
	Existing paving area					100.00	sqm
	<b>2: PLAZA -2 ( 8466sqm )</b>					0.00	
	taken small qutty	L.S.				0.00	
	Existing paving area					200.00	sqm
	<b>3: PLAZA -3 ( 3593sqm )</b>					0.00	
	taken small qutty	L.S.				0.00	
	Existing paving area					100.00	sqm
						TOTAL	400.00 sqm
						<b>SAY</b>	<b>400.00</b> sqm
24.00	Removing trap stone from floor without bed concrete including stacking the materials as directed with all leads, lifts complete						
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	Existing paving area						
		L.S.		10.00		100.00	sqm
	<b>2: PLAZA -2 ( 8466sqm )</b>					0.00	
	at river side ....Existing ghat area	L.S.		10.00		100.00	sqm
	<b>Total</b>					0.00	
	at river side ....Existing ghat area	L.S.		10.00		100.00	sqm
						TOTAL	300.00 sqm
						<b>SAY</b>	<b>300.00</b> sqm
25.00	Dismantling carefully the old cement concrete of reinforced cement concrete structure by chiselling or breaker including cutting reinforcement, steel bars, sorting out serviceable materials and stacking and disposing off unserviceable material upto lead of 50 m. etc. complete as directed by Engineer in charge.						
	<b>1: PLAZA -1 ( 3069sqm )</b>						
	taken small qutty	L.S.				20.00	cum
	<b>2: PLAZA -2 ( 8466sqm )</b>					0.00	
	taken small qutty	L.S.				30.00	cum
	<b>Total</b>					0.00	
	taken small qutty	L.S.				20.00	cum
						TOTAL	70.00 cum
						<b>SAY</b>	<b>70.00</b> cum

### ANALYSIS OF RATE - SH 05

**Item No- 23 - -** Providing & fixing Stainless steel hand rails , blusters, post, Pergolas, railings & similar works etc. using Brush finished Stainless steel members ( Stainless Steel Grade 304 and finish no-4 ) including hold fasts, screws, nut bolts, fasteners, etc. with cutting, hoisting, fixing & argon welding etc. in position as per approved drawing and direction of Engineer in charge. ( work shall be executed through specialized agency only )

Analysis of Rate on Market

Details of cost for 100 Kg.

DESCRIPTION	UNIT	QTY	RATE	COST	REFERENCE
Brush finished Stainless steel members ( Stainless Steel Grade 304 and finish no-4 )	Kg	100.00	430.00	43000.00	
add WAT. 12%				5160.00	
Fitter 1st class	EACH	5.00	200.00	1000.00	
beldar for hoisting, fixing etc.	EACH	5.00	120.00	600.00	
sundries for carriage etc.	L.S.			50.00	
TOTAL	*****	*****		49810.00	
Add For water charges @ 1%	49810.00	1.00	%	498.10	
TOTAL	*****	*****		50308.10	
Add For contractor's profit & over head @10%	50308.10	*****		5030.81	
Cost for 100 Kg -TOTAL	*****	*****		55338.91	
Rate per Kg	*****	*****	<b>Rs</b> <b>Rs</b>	553.39	

### ANALYSIS OF RATE

**Item no-25** Providing and fixing mudhugal granite Stone block, chisel dressed (two line chisel dressed) Flooring /paving with 70 mm. thick of sizes with hand cut edges and smooth chisel dressed on top ( top surface undulation not exceeding more than 3mm ) in required pattern, laid with the other stones, for paving, floors etc. laid over 20mm thick base mortar 1:4 ( 1 cement : 4 coarse sand ) with joints 20mm ( average ) wide filled with same mortar and 4mm deep recessed pointing with cement mortar 1:2 ( 1 cement : 2 stone dust ) including , cleaning, curing etc.all complete as per approved drawing and direction of Engineer in charge.

Details of cost for=10x0.60x0.90m = 5.40sqm

DESCRIPTION	UNIT	QTY	RATE	COST	REFERENCE
mudhugal granite Stone block, chisel dressed (two line chisel dressed) Flooring /paving with 70 mm. thick	sqm	5.94	970.00	5761.80	DSR-06-07 M.R.
add for cartage	M.T.	1.20	1400.00	1680.00	
labour for laying of stone --- Mason 1st	Nos.	1.00	220.00	220.00	
coolie	Nos.	1.50	65.00	97.50	0115 p-2
sundries				15.00	
TOTAL				7774.30	
Add For water charges @ 1%	*****	*****	Rs	77.74	
TOTAL	*****	*****	Rs	7852.04	
Add For contractor's profit & over head @10%	*****	*****	Rs	785.20	
TOTAL				8637.25	
20mm mortar 1:4 ( 1 cement : 4 coarse sand) for bed=5.40sqmx0.02m=0.11cum	sqm	5.94	75.00	445.50	139 p-80

20mm mortar 1:4 (1 cement : 4 coarse sand) for vertical joints=10x0.90x0.075x0.02=0.01cum	sqm	0.68	75.00	50.63	139 p-80
cement mortar 1:2 (1 cement : 3 stone dust ) for pointing the joints=10*0.9*0.02	sqm	0.18	83.00	14.94	140 p-80
cost for 5.4sqm				9148.31	
Rate per sqm				1694.13	
SAY Rate per sqm				<b>1694.15</b>	

#### ANALYSIS OF RATE

**Item no-26** Providing and fixing mudhugal granite Stone block, chisel dressed (three line chisel dressed) in Tread & Riser paving with 70 mm. thick of sizes with hand cut edges with three line chisel dressed with half moulding and smooth chisel dressed on top ( top surface undulation not exceeding more than 3mm ) in required pattern, laid with the other stones, for paving, floors etc. laid over 20mm thick base mortar 1:4 (1 cement : 4 coarse sand ) with joints 20mm ( average ) wide filled with same mortar and 4mm deep recessed pointing with cement mortar 1:2 (1 cement : 2 stone dust ) including , cleaning, curing etc.all complete as per approved drawing and direction of Engineer in charge.

Details of cost for=18\*0.30m = 5.40sqm

DESCRIPTION	UNIT	QTY	RATE	COST	REFERENCE
mudhugal granite Stone block, chisel dressed (two line chisel dressed) Flooring /paving with 70 mm. thick	sqm	5.94	1345.00	7989.30	DSR-06-07 M.R.
add for Edge 3 line deressed half	Metre	18.00	200.00	3600.00	
add for cartage	M.T.	1.20	1400.00	1680.00	
labour for laying of stone --- Mason 1st	Nos.	1.00	220.00	220.00	
coolie	Nos.	1.50	65.00	97.50	0115 p-2
sundries				15.00	
TOTAL				13601.80	
Add For water charges @ 1%			Rs	136.02	
TOTAL			Rs	13737.82	
Add For contractor's profit & over head @10%			Rs	1373.78	
TOTAL				15111.60	
20mm mortar 1:4 (1 cement : 4 coarse sand) for bed=5.40sqmx0.02m=0.11cum	sqm	5.94	75.00	445.50	139 p-80
20mm mortar 1:4 (1 cement : 4 coarse sand) for vertical joints=10x0.90x0.075x0.02=0.01cum	sqm	0.68	75.00	50.63	139 p-80
cement mortar 1:2 (1 cement : 3 stone dust ) for pointing the joints=10*0.9*0.02	sqm	0.18	83.00	14.94	140 p-80
cost for 5.4sqm				15622.66	
Rate per sqm				2893.09	
SAY Rate per sqm				<b>2893.10</b>	

**Item No-28** - Providing and fixing of 450 mm dia Precast concrete. bollards Spherical shape Red/Grey shade (K.K manholes, Delhi or any equivalent Approved Make.) including excavating holes upto required size in all kinds of soil, and providing and fixing of required concrete Base of 1:3:4(1 cement:3 coarse sand: 4 graded stone) for fixing as per direction of engineer- in- charge, all complete as per direction of Engineer-in charge.

Details of cost for =1.00 No.

DESCRIPTION	UNIT	QTY	RATE	COST	REFERENCE
Providing and fixing of 350 mm dia Precast conc. bollards Spherical shape (Make K.K.Manhole and Gratings)	Nos	1.00	1600.00	1600.00	M.R.
For fixing on existing RCC slab or other places				0.00	
labour for job---Mason	Nos.	0.20	150.00	30.00	
Beldar	Nos.	0.20	93.00	18.60	
Bhisti	Nos.	0.10	99.40	9.94	
TOTAL				1658.54	
Add For water charges @ 1%	*****	*****	Rs	16.59	
TOTAL	*****	*****	Rs	1675.13	
Add For contractor's profit & over head @10%	*****	*****	Rs	167.51	
TOTAL				1842.64	
cost for on bollad inc fixing				1842.64	
<b>Say</b>				<b>1968.00</b>	

**ANALYSIS OF RATE - SH 05**

**NAME OF WORK :- DPR for Construction of PLAZA at left side bank ZONE N-III, Nanded..**

**29.01.2007**

<i>ITEM</i>	<i>Description of Item</i>	<i>Rate</i>	<i>Unit</i>
1.00	Excavation for foundation including shoring and strutting as necessary and disposing off excavated stuff as directed In earth, soils of all type sand, gravel, soft murum etc. complete (excluding dewatering if separately provided etc. complete) as directed by Engineer in charge for depth-of-1.5m.		
	Rate as per PWD DSR-2006-07, Item no- 751, P-270	61.00	Per CUM
	add conveying & shifting upto 3Km Lead	66.68	Per CUM
	Total	127.68	Per CUM
	Add 5% corporation Charges	6.38	Per CUM
	Total	134.06	Per CUM
	say	134.05	Per CUM
2.00	Providing and filling with approved Sand, shingle below raft including watering, compaction etc. complete as directed by Engineer in charge.		
	Rate as per PWD DSR-2006-07, Item no- 759, P-271	162.00	Per CUM
	Add royalty charge	17.67	Per CUM
	Add 5% corporation Charges	8.10	Per CUM
	Total	187.77	Per CUM
	say	187.75	Per CUM
3.00	Providing dry trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm. to 20 cm. thick including hand packing and compacting complete		
	Rate as per PWD DSR-2006-07, I.No-17 P.No-10	129.00	Per CUM
	add Lead charges 13Km =(182.68-103.66)	79.02	Per CUM
	Total	208.02	Per CUM
	Add royalty charge	17.67	Per CUM
	Add 5% corporation Charges	10.40	Per CUM
	Total	236.09	Per CUM
	say	236.10	Per CUM
4.00	Providing selected hard murum filling including laying in layers of 15 cm. to 20 cm. thick layers including watering and compacting etc. complete as directed by Engineer in charge		
	Rate as per PWD DSR-2006-07, I.No-737 P.No-266	85.00	Per CUM
	add Lead charges 13Km =(149.32-84.73)	64.59	Per CUM
	Total	149.59	Per CUM
	Add royalty charge	17.67	Per CUM
	Add 5% corporation Charges	7.48	Per CUM
	Total	174.74	Per CUM
	say	174.75	Per CUM
5.00	Providing and laying in situ cement concrete in 1:5:10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, form work, compacting, finishing if required and curing etc. complete.		
	Rate as per PWD DSR-2006-07, I.No-32 P.No-16	1042.00	Per CUM
	add Lead charges for stone 13Km =(149.32-84.73)*0.94	60.71	Per CUM
	add Lead charges for sand 20Km =(204.08-84.73)*0.47	56.09	Per CUM
	Total	1158.81	Per CUM
	Add royalty charge =17.67*(0.94+0.47)	24.91	Per CUM
	Add 5% corporation Charges	57.94	Per CUM
	Total	1241.66	Per CUM
	say	1241.65	Per CUM

6.00 Providing and laying in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete work in foundation like raft, grillages, strip foundation and footings of reinforced cement concrete columns and steel stanchion including bailing out water, form work, compaction and finishing, curing etc. complete. (Excluding steel reinforcement and structural steel) (7.60 Bag/ Cum.)

Rate as per PWD DSR-2006-07, I.No-46 P.No-19	2482.00	Per CUM
add Lead charges 13Km $=(149.32-84.73)*0.9$	58.13	Per CUM
add Lead charges for sand 20Km $=(204.08-84.73)*0.45$	53.71	Per CUM
Total	2593.84	Per CUM
Add royalty charge $=17.67*(0.90+0.45)$	23.85	Per CUM
Add 5% corporation Charges	129.69	Per CUM
Total	2747.38	Per CUM
say	2747.40	Per CUM

7.00 Providing and laying in situ controlled reinforced cement concrete of M-20 for cut off walls including form work, scaffolding, compaction, by vibrating, finishing, curing etc. complete as directed by Engineer in charge. (7.60 bags/ Cum.)

Rate as per PWD DSR-2006-07, I.No-764 P.No-273	2963.00	Per CUM
add Lead charges 13Km $=(149.32-84.73)*0.9$	58.13	Per CUM
add Lead charges for sand 20Km $=(204.08-84.73)*0.45$	53.71	Per CUM
Total	3074.84	Per CUM
Add royalty charge $=17.67*(0.90+0.45)$	23.85	Per CUM
Add 5% corporation Charges	153.74	Per CUM
Total	3252.43	Per CUM
say	3252.45	Per CUM

8.00 Providing and casting in situ cement concrete M-20/ 1: 1½ :3 of trap/ granite/ quartzite/ gneiss metal for coping to plinth or parapet, moulded or chamfered as per drawings or as directed including centering, formwork, compacting, roughening them if special finish is to be provided, finishing if required and curing etc. complete.(7.60 Bag/ Cum.)

Rate as per PWD DSR-2006-07, I.No-36 P.No-17	2486.00	Per CUM
add Lead charges 13Km $=(149.32-84.73)*0.9$	58.13	Per CUM
add Lead charges for sand 20Km $=(204.08-84.73)*0.45$	53.71	Per CUM
Total	2597.84	Per CUM
Add royalty charge $=17.67*(0.90+0.45)$	23.85	Per CUM
Add 5% corporation Charges	129.89	Per CUM
Total	2751.58	Per CUM
say	2751.60	Per CUM

9.00 Providing and casting in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for steps including centering, form work, compacting, finishing the exposed faces with sufficient minimum thickness of 1:3 cement plaster to give a smooth and even surface or roughening them if special finish is to be provided and curing etc. complete.(7.60 Bag/Cum.)

Rate as per PWD DSR-2006-07, I.No-33 P.No-16	2367.00	Per CUM
add Lead charges 13Km $=(149.32-84.73)*0.9$	58.13	Per CUM
add Lead charges for sand 20Km $=(204.08-84.73)*0.45$	53.71	Per CUM
Total	2478.84	Per CUM
Add royalty charge $=17.67*(0.90+0.45)$	23.85	Per CUM
Add 5% corporation Charges	123.94	Per CUM
Total	2626.63	Per CUM
say	2626.65	Per CUM

10.00 Providing and casting in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete slabs and landings as per detailed designs and drawings, including, centering, form work, compacting and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement) (7.60 Bag/ Cum.)

Rate as per PWD DSR-2006-07, I.No-54 P.No-22	2929.00	Per CUM
add Lead charges 13Km $=(149.32-84.73)*0.9$	58.13	Per CUM
add Lead charges for sand 20Km $=(204.08-84.73)*0.45$	53.71	Per CUM
Total	3040.84	Per CUM
Add royalty charge $=17.67*(0.90+0.45)$	23.85	Per CUM
Add 5% corporation Charges	152.04	Per CUM
Total	3216.73	Per CUM
say	3216.75	Per CUM

11.00 Providing and laying HYSD bars with cement polymer composite coating (CPCC) anticorrosive epoxy treatment for reinforcement for structure including cutting, bending hooking by machine, trying in position including binding wire, spacers, chairs, cover blocks as per detailed drawing including all leads and lifts etc. complete.

With anti corrosive treatment either by CPCC or by FBEC.

Including addition of CPCC rate	5,000.00	Per M.T.
Rate as per PWD DSR-2006-07 I.No-803 P.No-283	33,232.00	Per M.T.
Total	38,232.00	Per M.T.
Add corporation charges @ 5%	1,911.60	Per M.T.
Total	40,143.60	Per M.T.
<b>Say</b>	<b>40,143.60</b>	Per M.T.

12.00 Providing earth work for embankment with approved materials obtained by excavation from departmental land or other sources including all lifts and leads upto 50 m, laying in layers of 20 cm. to 30 cm. thickness breaking clods, dressing to the required lines, curves, grade and section, watering and Compaction with power roller etc. complete as directed by Engineer in charge.

Rate as per PWD DSR-2005-06, I.No-655 P.No-232	35.00	Per CUM
Add 5% corporation Charges	1.75	Per CUM
Total	36.75	Per CUM
say	36.75	Per CUM

13.00 Providing uncoursed rubble masonry of trap/ granite/ quartzite/ gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually, striking joints on unexposed faces and watering complete

Rate as per PWD DSR-2006-07, I.No-99 P.No-57	788.00	Per CUM
add Lead charges 13Km $=(182.68-103.66)$	79.02	Per CUM
Total	867.02	Per CUM
Add royalty charge	17.67	Per CUM
Add 5% corporation Charges	43.35	Per CUM
Total	928.04	Per CUM
say	928.05	Per CUM

14.00 Providing coursed rubble masonry first sort of trap/ granite/ quartzite/ gneiss stones in cement mortar 1:6 in external wall of plinth including bailing out water manually, striking joints inside and watering.

Rate as per PWD DSR-2006-07, I.No-103 P.No-57	1083.00	Per CUM
add Lead charges 13Km $=(182.68-103.66)$	79.02	Per CUM
Total	1162.02	Per CUM
Add royalty charge	17.67	Per CUM

Add 5% corporation Charges	<u>58.10</u>	Per CUM
Total	<u>1237.79</u>	Per CUM
say	<u>1237.80</u>	Per CUM

15.00 Clearing and removing bushes, waiste trees etc. on bank of river including stacking etc. complete as directed by Engineer in charge.

Rate as per PWD DSR-2005-06, K-50 P.No-41	2.70	Per sqm
Add 5% corporation Charges	<u>0.14</u>	Per sqm
Total	<u>2.84</u>	Per sqm
<b>Say</b>	<b><u>2.85</u></b>	Per sqm

16.00 Providing and laying Rough Shahabad Stone Flooring 50 mm. to 60 mm.-thick and of required width in plain/ diamond pattern on a bed of 1:6 cement mortar including cement float, striking joints,pointing in cement mortar 1:3 curing and cleaning etc. complete.

Rate as per PWD DSR-2006-07, I.No-158 P.No-85	201.00	Per sqm
Add 5% corporation Charges	<u>10.05</u>	Per sqm
Total	<u>211.05</u>	Per sqm

17.00 Providing and fixing mudhugal granite Stone block, chisel dressed (two line chisel dressed) Flooring /paving with 70 mm. thick of sizes with hand cut edges and smooth chisel dressed on top ( top surface undulation not exceeding more than 3mm ) in required pattern, laid with the other stones, for paving, floors etc. laid over 20mm thick base mortar 1:4 (1 cement : 4 coarse sand ) with joints 20mm ( average ) wide filled with same mortar and 4mm deep recessed pointing with cement mortar 1:2 (1 cement : 2 stone dust ) including , cleaning, curing etc.all complete as per approved drawing and direction of Engineer in charge.

as per a.r. attached	1694.15	Per sqm
Add 5% corporation Charges	<u>84.71</u>	Per sqm
Total	<u>1778.86</u>	Per sqm
<b>Say</b>	<b><u>1,778.85</u></b>	Per sqm

18.00 Providing and fixing mudhugal granite Stone block, chisel dressed (three line chisel dressed) in Tread & Riser paving with 70 mm. thick of sizes with hand cut edges with three line chisel dressed with half moulding and smooth chisel dressed on top ( top surface undulation not exceeding more than 3mm ) in required pattern, laid with the other stones, for paving, floors etc. laid over 20mm thick base mortar 1:4 (1 cement : 4 coarse sand ) with joints 20mm ( average ) wide filled with same mortar and 4mm deep recessed pointing with cement mortar 1:2 (1 cement : 2 stone dust ) including , cleaning, curing etc.all complete as per approved drawing and direction of Engineer in charge.

as per a.r. attached	2893.10	Per sqm
Add 5% corporation Charges	<u>144.66</u>	Per sqm
Total	<u>3037.76</u>	Per sqm

Say 3,037.75 Per sqm

19.00 Providing and fixing of 450 mm dia Precast concrete. bollards Spherical shape Red/Grey shade (K.K manholes, Delhi or any equivalent Approved Make.) including excavating holes upto required size in all kinds of soil, and providing and fixing of required concrete Base of 1:3:4(1 cement:3 coarse sand: 4 graded stone) for fixing as per direction of engineer- in- charge, all complete as per direction of Engineer-in-charge.

Rate as per Market Rate Analysis	1,842.64	Per No.
Add 5% corporation Charges	<u>92.13</u>	Per No.
Total	1,934.77	Per No.
SAY	<u>1,934.75</u>	Per No.

20.00 Dismantling stone masonry in lime or cement including stacking the materials as directed with all leads and lifts complete. As directed by Engineer in charge

Rate as per PWD DSR-2006-07, I.No-596 P.No-218	74.00	Per CUM
Add 5% corporation Charges	<u>3.70</u>	Per CUM
Total	<u>77.70</u>	Per CUM

21.00 Removing lime or lean cement concrete including stacking the spoils as directed with all leads and lifts complete. As directed by Engineer in charge

Rate as per PWD DSR-2006-07, I.No-597 P.No-218	49.00	Per CUM
Add 5% corporation Charges	<u>2.45</u>	Per CUM
Total	<u>51.45</u>	Per CUM

22.00 Removing rich mix cement concrete including stacking the spoils as directed with all leads and lifts complete. As directed by Engineer in charge

Rate as per PWD DSR-2006-07, I.No-598 P.No-218	124.00	Per CUM
Add 5% corporation Charges	<u>6.20</u>	Per CUM
Total	<u>130.20</u>	Per CUM

23.00 Removing trap stone from floor without bed concrete including stacking the materials as directed with all leads, lifts complete

Rate as per PWD DSR-2006-07, I.No-604 P.No-219	13.00	Per sqm
Add 5% corporation Charges	<u>0.65</u>	Per sqm
Total	<u>13.65</u>	Per sqm

24.00 Removing Shahabad or Tandur stones/ cement tiles / marble mosaic tiles from floor without bed concrete including stacking the materials as directed with all leads, lifts complete.

Rate as per PWD DSR-2006-07, I.No-605 P.No-219	13.00	Per sqm
Add 5% corporation Charges	<u>0.65</u>	Per sqm
Total	<u>13.65</u>	Per sqm

25.00 Dismantling carefully the old cement concrete of reinforced cement concrete structure by chiselling or breaker including cutting reinforcement, steel bars, sorting out serviceable materials and stacking and disposing off unserviceable material upto lead of 50 m. etc. complete as directed by Engineer in charge.

Rate as per PWD DSR-2006-07, I.No-745 P.No-269	279.00	Per CUM
Add 5% corporation Charges	<u>13.95</u>	Per CUM
Total	<u>292.95</u>	Per CUM

### LEAD CHART - SH 05

Reference :- Irrigation Division, Nanded.

S.No.	Name of Material	Total Lead in Km.
1	Cement/ Tiles/ Tandur /Tile/ Precast Tile	with in Initial lead of 5Km
2	Tor Steel / Mild steel	with in Initial lead of 5Km
3	All Type Paints etc.	with in Initial lead of 5Km
4	Rubble / stone	18 - 5 = 13Km
5	Metal ( All Types)	18 - 5 = 13Km
6	Sand	26 - 5 = 21Km (say 20Km)
7	Murum	18 - 5 = 13Km