

ABSTRACT OF COST - SH 16

NAME OF WORK :- DPR for Construction of Path way, Sign boards & Sinage panels etc. at left side bank ZONE N-III, 29.01.2007

ITEM	Description of Item	Quantity	Rate	Unit	Amount	Reference
					PWD DSR-2006-07,	
1.00	Excavation for road way in earth soil of all sorts sand, gravel, soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts and upto a lead of 50 metres and spreading for embankment or stacking etc. as directed by Engineer in charge.	7,250.00	17.85	CUM	Rs 129,413.00	Item no-641, P-230
2.00	Laying materials obtained from road cutting in layers, breaking clods, dressing to the required lines, curves, grades and section, for embankment within a lead 50 m. (without watering and compaction) as directed by Engineer in charge.	5,075.00	6.95	CUM	Rs 35,271.00	Based on DSR-06-07 I.No-663 P.No-149
3.00	Watering and compaction of embankment formed of materials obtained from road cutting within lead of 50 m. (with ordinary rolling) after laying them in layers of 20 to 30 cm.	5,075.00	18.90	CUM	Rs 95,918.00	Item no-653, P-232
4.00	Providing earth work in 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 to 95 % of standard Proctor density etc. complete as directed by Engineer in charge. a) With Power Roller	4,125.00	36.75	CUM	Rs 151,594.00	Item no-655, P-232
5.00	Excavation for foundation in earth, soils of all types, sand, Gravel and soft murum, including removing the excavated materials upto a distance of 50 m. beyond the building area stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering (including shoring and strutting) etc. complete. (Lift upto 1.50 Metre).	176.00 CUM	48.30	CUM	Rs 8,501.00	I.No-1 P.No-7
6.00	Excavation for foundation In hard murum and boulders upto 0.3 cum. to 0.20 cum. size including shoring and strutting as necessary and disposing off excavated stuff as directed excluding dewatering if separately provided etc. complete as directed by Engineer in charge	22.00 CUM	155.05	CUM	Rs 3,411.00	Item no-753, P-270
7.00	Providing and filling with approved Sand, shingle below raft including watering, compaction etc. complete as directed by Engineer in charge.	797.00 CUM	252.35	CUM	Rs 201,123.00	Item no-759, P-271
8.00	Providing dry trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm. to 20 cm. thick including hand packing and compacting complete	1,551.00 CUM	236.10	CUM	Rs 366,191.00	I.No-17 P.No-10
9.00	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	1,551.00 CUM	174.75	CUM	Rs 271,037.00	I.No-737 P.No-266

ITEM	Description of Item	Quantity	Rate	Unit	Amount	Reference
10.00	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. (2.65 Bag/cum)	25.00 CUM	1,241.65	CUM	Rs 31,041.00	I.No-32 P.No-16
11.00	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.)	17.00 CUM	2,747.40	CUM	Rs 46,706.00	I.No-46 P.No-19
12.00	Providing and casting in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete columns as per detailed designs and drawing, or as directed including centering, formwork, compacting and finishing the form surfaces with cement mortar 1:3 of sufficient minimum thickness, to give a smooth and even surface or roughening the surface Tf special finish is to be provided and curing etc. complete. (Excluding reinforcement) (7.60 Bag/ Cum.)	14.00 CUM	3,550.65	CUM	Rs 49,709.00	I.No-49 P.No-20
13.00	Providing and casting in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete beams and lintels as per detailed designs and drawings, or as directed including, centering, form work, compaction and roughening the surface if special finishing to be provided and curing etc. complete. (Excluding reinforcement) (7.60 Bag/ Cum.)	14.00 CUM	3,632.55	CUM	Rs 50,856.00	I.No-52 P.No-21
14.00	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.	4.33 MT	40,143.60	MT	Rs 173,822.00	I.No-803 P.No-283
15.00	Clearing and removing bushes, waiste trees etc. on bank of river including stacking etc. complete as directed by Engineer in charge.	7,500.00 SQM	2.85	SQM	Rs 21,375.00	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.	180.00 SQM	211.05	SQM	Rs 37,989.00	I.No-158 P.No-85
17.00	Providing trap/ granite/ quartette/ gneiss rubble stone filling behind the abutment, returns or wings including all materials and hand packing and filling voids with spouts etc. complete as directed by Engineer in charge.	3,750.00	279.15	CUM	Rs 1,046,813.00	I.No-822 P.No-287

ITEM	Description of Item	Quantity	Rate	Unit	Amount	Reference
18.00	Providing First class burnt Brick masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding complete.	25.00	1,558.20	CUM	Rs 38,955.00	I.No-85 P.No- 51
19.00	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	17.00	908.55	CUM	Rs 15,445.00	I.No-99 P.No-57
20.00	Providing and laying in required positions on wall or flooring of broken China mosaic (broken pieces of china) of approved colour and pattern on a bedding of 20 mm. thick 1:4 cement mortar with water proofing compound including neat cement float, giving proper slopes, compacting, curing and finishing complete	332.00	299.25	SQM	Rs 99,351.00	I.No-186 P.No-92
21.00	Providing and fixing informatory Sign Boards in square or rectangular shape of any size made out of 14 gauge (2 mm) thick aluminium sheet bonded with green retro Reflective sheeting of engineering grade having pressure sensitive / heat activated adhesive, white retro reflective cutout border and messages having pressure sensitive adhesive or screen printing of green transparent colour over white retro reflective sheeting having border and messages in white background including M.S. angle iron frame of size 35 mm x 35 mm x 3 mm and two angle iron post of size 65 mm x 65 mm x 6 mm, 3.65 m. long, properly cross braced with angle iron of size 50 mm x 50 mm x 5 mm duly painted with one coat of epoxy primer and two coats of epoxy finish paint having alternative black and white bands of 25 cm width including G.I. fixtures welding to sign boards etc. fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including transportation etc. complete.	63.00	11,025.00	SQM	Rs 694,575.00	PWD DSR- 2005-06, I.No-772 P.No- 183+5% increase
GRAND TOTAL					Rs 3,569,096.00	

DETAILS OF MEASUREMENT - SH 16

NAME OF WORK :- DPR for Construction of Path way, Sign boards & Sinage panels etc. at left side

29.01.2007

I. No.	Item in Brief	No.	Length Meter	Breadth Meter	Height Meter	Contents CUM	unit
<u>DETAIL OF AREAS</u>							
<u>A) Path way 2m wide</u>							
	Garden-1	1.00	800.00	Meter			
	Garden-2	1.00	700.00	Meter			
	Garden-3	1.00	1000.00	Meter			
	Total		<u>2500.00</u>	Meter			
<u>D) Adv Panels</u>							
	Total		<u>5.00</u>	nos			
<u>E) Sinage Board in Garden</u>							
	Garden-1 =12*1.5*1.5	12.00	27.00	Sqm			
	Garden-2 = 4*1.5*1.5	4.00	9.00	Sqm			
	Garden-1 =12*1.5*1.5	12.00	27.00	Sqm			
	Total		<u>63.00</u>	Sqm			
1.00	Excavation for road way in earth soil of all sorts sand, gravel, soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts and upto a lead of 50 metres and spreading for embankment or stacking etc. as directed by Engineer in charge.						
	cutting Avg. for making level of path ways						
	Garden-1	0.50	800.00	5.00	0.50	1000.00	cum
	Garden-2	0.50	700.00	5.00	0.50	875.00	cum
	Garden-3	0.50	1000.00	5.00	0.50	1250.00	cum
	cutting for bottom treatment						
	Garden-1	1.00	800.00	3.00	0.55	1320.00	cum
	Garden-2	1.00	700.00	3.00	0.55	1155.00	cum
	Garden-3	1.00	1000.00	3.00	0.55	1650.00	cum
	TOTAL					<u>7250.00</u>	cum
	SAY					<u>7250.00</u>	cum
2.00	Laying materials obtained from road cutting in layers, breaking clods, dressing to the required lines, curves, grades and section, for embankment within a lead 50 m. (without watering and compaction) as directed by Engineer in charge.						
	Taken 70 % of item no-1	0.70	7250.00	cum		<u>5075.00</u>	cum
	TOTAL					<u>5075.00</u>	cum
	SAY					<u>5075.00</u>	cum
3.00	Watering and compaction of embankment formed of materials obtained from road cutting within lead of 50 m. (with ordinary rolling) after laying them in layers of 20 to 30 cm.						
	Taken 70 % of item no-1	0.70	7250.00	cum		<u>5075.00</u>	cum
	TOTAL					<u>5075.00</u>	cum
	SAY					<u>5075.00</u>	cum

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
4.00	Providing earth work in 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 to 95 % of standard Proctor density etc. complete as directed by Engineer in charge.						
	<u>A) Path way 2m wide</u> taken area as cutting						
	Garden-1	1.00	800.00	3.00	0.55	1320.00	cum
	Garden-2	1.00	700.00	3.00	0.55	1155.00	cum
	Garden-3	1.00	1000.00	3.00	0.55	1650.00	cum
						TOTAL	4125.00 cum
						SAY	4125.00 cum
5.00	Excavation for foundation in earth, soils of all types, sand, Gravel and soft murum, including removing the excavated materials upto a distance of 50 m. beyond the building area stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering (including shoring and strutting) etc. complete. (Lift upto 1.50 Metre).						
	<u>D) Sinage Panels =5nos</u> for columns =5*3nos	15.00	1.80	1.80	1.05	51.03	cum
	for open foundation C/C =2*2.4	5.00	4.10	1.20	1.05	25.83	cum
	paving...allround the sinage	5.00	6.00	6.00	0.55	99.00	cum
						TOTAL	175.86 cum
						SAY	176.00 cum
6.00	Excavation for foundation In hard murum and boulders upto 0.3 cum. to 0.20 cum. size including shoring and strutting as necessary and disposing off excavated stuff as directed excluding dewatering if separately provided etc. complete as directed by Engineer in charge						
	<u>D) Add Panels =5nos</u> for columns =5*3nos	15.00	1.80	1.80	0.30	14.58	cum
	for open foundation C/C =2*2.4	5.00	4.10	1.20	0.30	7.38	cum
						TOTAL	21.96 cum
						SAY	22.00 cum
7.00	Providing and filling with approved Sand, shingle below raft including watering, compaction etc. complete as directed by Engineer in charge.						
	<u>A) Path way 2m wide</u>						
	Garden-1	1.00	800.00	3.00	0.10	240.00	cum
	Garden-2	1.00	700.00	3.00	0.10	210.00	cum
	Garden-3	1.00	1000.00	3.00	0.10	300.00	cum
	<u>D) Add Panels =5nos</u> for columns =5*3nos	15.00	1.80	1.80	0.15	7.29	cum
	for open foundation C/C =2*2.4	5.00	4.10	1.20	0.15	3.69	cum
	paving...allround the sinage	5.00	6.00	6.00	0.20	36.00	cum

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
						TOTAL	796.98 cum
						SAY	797.00 cum
8.00	Providing dry trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm. to 20 cm. thick including hand packing and compacting complete						
	<u>A) Path way 2m wide</u>						
	Garden-1	1.00	800.00	3.00	0.20	480.00	cum
	Garden-2	1.00	700.00	3.00	0.20	420.00	cum
	Garden-3	1.00	1000.00	3.00	0.20	600.00	cum
	<u>D) Add Panels =5nos</u>					0.00	
	for columns =5*3nos	15.00	1.80	1.80	0.20	9.72	cum
	for open foundation C/C =2*2.4	5.00	4.10	1.20	0.20	4.92	cum
	paving...allround the sinage	5.00	6.00	6.00	0.20	36.00	cum
						TOTAL	1550.64 cum
						SAY	1551.00 cum
9.00	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						
	<u>A) Path way 2m wide</u>						
	Garden-1	1.00	800.00	3.00	0.20	480.00	cum
	Garden-2	1.00	700.00	3.00	0.20	420.00	cum
	Garden-3	1.00	1000.00	3.00	0.20	600.00	cum
	<u>D) Add Panels =5nos</u>					0.00	
	for columns =5*3nos	15.00	1.80	1.80	0.20	9.72	cum
	for open foundation C/C =2*2.4	5.00	4.10	1.20	0.20	4.92	cum
	paving...allround the sinage	5.00	6.00	6.00	0.20	36.00	cum
						TOTAL	1550.64 cum
						SAY	1551.00 cum
10.00	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. (2.65 Bag/cum)						
	<u>D) Add Panels =5nos</u>						
	for columns =5*3nos	15.00	1.80	1.80	0.10	4.86	cum
	for open foundation C/C =2*2.4	5.00	4.10	1.20	0.10	2.46	cum
	paving...allround the sinage	5.00	6.00	6.00	0.10	18.00	cum
						TOTAL	25.32 cum
						SAY	25.00 cum
11.00	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.)						
	<u>D) Add Panels =5nos</u>						
	for columns =5*3nos	15.00	1.80	1.80	0.35	17.01	cum
						TOTAL	17.01 sqm
						SAY	17.00 sqm

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
12.00	Providing and casting in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete columns as per detailed designs and drawing, or as directed including centering, formwork, compacting and finishing the form surfaces with cement mortar 1:3 of sufficient minimum thickness, to give a smooth and even surface or roughening the surface Tf special finish is to be provided and curing etc. complete. (Excluding reinforcement) (7.60 Bag/ Cum.)						
	<u>D) Sinage Panels =5nos</u> for columns =5*3nos (Ht=4.95+0.55- PlinthBeam 0.45-Top Beam 0.35)	15.00	0.45	0.45	4.70	14.28	cum
						TOTAL	14.28 sqm
						SAY	14.00 sqm
13.00	Providing and casting in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete beams and lintels as per detailed designs and drawings, or as directed including, centering, form work, compaction and roughening the surface if special finishing to be provided and curing etc. complete. (Excluding reinforcement) (7.60 Bag/ Cum.)						
	<u>D) Sinage Panels =5nos</u> plinth beam	10.00	0.35	0.45	5.15	8.11	cum
	Top beam =5*2	10.00	0.35	0.35	5.15	6.31	cum
						TOTAL	14.42 cum
						SAY	14.00 cum
14.00	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.						
	for portion of RCC as per i/no						
	l/no- 11. foundation work =	17.01	@	80.00	Kg/m	1360.80	Kg
	l/no- 12. column etc work =	14.28	@	110.00	Kg/m	1570.39	Kg
	l/no- 12. lintal etc work =	14.00	@	100.00	Kg/m	1400.00	Kg
						TOTAL	4331.19 Kg
						SAY	4.33 M.T
15.00	Clearing and removing bushes, waiste trees etc. on bank of river including stacking etc. complete as directed by Engineer in charge.						
	<u>A) Path way 2m wide</u>						
	Garden-1	1.00	800.00	3.00		2400.00	sqm
	Garden-2	1.00	700.00	3.00		2100.00	sqm
	Garden-3	1.00	1000.00	3.00		3000.00	sqm
						TOTAL	7500.00 sqm
						SAY	7500.00 sqm

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
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.						
	<u>D) Add Panels =5nos</u> paving...allround the sinage	5.00	6.00	6.00		180.00 sqm	
						TOTAL	180.00 sqm
						SAY	180.00 sqm
17.00	Providing trap/ granite/ quartette/ gneiss rubble stone filling behind the abutment, returns or wings including all materials and hand packing and filling voids with spouts etc. complete as directed by Engineer in charge.						
	<u>A) Path way 2m wide</u>						
	Garden-1	1.00	800.00	3.00	0.50	1200.00 cum	
	Garden-2	1.00	700.00	3.00	0.50	1050.00 cum	
	Garden-3	1.00	1000.00	3.00	0.50	1500.00 cum	
						TOTAL	3750.00 cum
						SAY	3750.00 cum
18.00	Providing First class burnt Brick masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding complete.						
	<u>D) Add Panels =5nos</u> brick wall add provisional qutty	10.00	4.10	0.35	1.05	15.07 cum	
						10.00 cum	
						TOTAL	25.07 cum
						SAY	25.00 cum
19.00	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						
	<u>D) Add Panels =5nos</u> for open foundation (stone)	10.00	4.10	0.45	0.90	16.61 cum	
						TOTAL	16.61 cum
						SAY	17.00 cum
20.00	Providing and laying in required positions on wall or flooring of broken China mosaic (broken pieces of china) of approved colour and pattern on a bedding of 20 mm. thick 1:4 cement mortar with water proofing compound including neat cement float, giving proper slopes, compacting, curing and finishing complete						
	<u>D) Add Panels =5nos</u> all round column=3.9*3+2*2.05 all round Base=2*5.45+2*.55 add provisional qutty	15.00	15.80	1.05		248.85 sqm	
		5.00	12.00	1.05		63.00 sqm	
						20.00 cum	
						TOTAL	331.85 sqm

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
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21.00 Providing and fixing informatory Sign Boards in square or rectangular shape of any size made out of 14 gauge (2 mm) thick aluminium sheet bonded with green retro Reflective sheeting of engineering grade having pressure sensitive / heat activated adhesive, white retro reflective cutout border and messages having pressure sensitive adhesive or screen printing of green transparent colour over white retro reflective sheeting having border and messages in white background including M.S. angle iron frame of size 35 mm x 35 mm x 3 mm and two angle iron post of size 65 mm x 65 mm x 6 mm, 3.65 m. long, properly cross braced with angle iron of size 50 mm x 50 mm x 5 mm duly painted with one coat of epoxy primer and two coats of epoxy finish paint having alternative black and white bands of 25 cm width including G.I. fixtures welding to sign boards etc. fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including transportation etc. complete.

SAY 332.00 sqm

E) Sinage Board in Garden

Garden-1 = 12*1.5*1.5	12.00	1.50	1.50	27.00 sqm
Garden-2 = 4*1.5*1.5	4.00	1.50	1.50	9.00 sqm
Garden-1 = 12*1.5*1.5	12.00	1.50	1.50	27.00 sqm

TOTAL 63.00 sqm
SAY 63.00 sqm

ANALYSIS OF RATE - SH 16

NAME OF WORK :- DPR for Construction of Path way, Sign boards & Sinage panels etc. at left side bank ZONE N-III, Nanded..

29.1.2007

ITEM	Description of Item	Rate	Unit
1.00	Excavation for road way in earth soil of all sorts sand, gravel, soft murum including dressing section to the required grade, camber and side slopes and conveying the excavated materials with all lifts and upto a lead of 50 metres and spreading for embankment or stacking etc. as directed by Engineer in charge.		
	Rate as per PWD DSR-2006-07, Item no- 641, P-230	26.00	Per CUM
	Add 5% corporation Charges	<u>1.30</u>	Per CUM
	Total	<u>27.30</u>	Per CUM
2.00	Laying materials obtained from road cutting in layers, breaking clods, dressing to the required lines, curves, grades and section, for embankment within a lead 50 m. (without watering and compaction) as directed by Engineer in charge.		
	Rate as per PWD DSR-2005-06, Item no- 663, P-149	6.30	Per CUM
	add 5% Incease over DSR 05-06	<u>0.32</u>	Per CUM
	Total	6.62	Per CUM
	Add 5% corporation Charges	<u>0.33</u>	Per CUM
	Total	6.95	Per CUM
	say	<u>6.95</u>	Per CUM
3.00	Watering and compaction of embankment formed of materials obtained from road cutting within lead of 50 m. (with ordinary rolling) after laying them in layers of 20 to 30 cm.		
	Rate as per PWD DSR-2006-07, Item no- 653, P-232	18.00	Per CUM
	Add 5% corporation Charges	<u>0.90</u>	Per CUM
	Total	<u>18.90</u>	Per CUM
4.00	Providing earth work in 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 to 95 % of standard Proctor density etc. complete as directed by Engineer in charge.		
	a) With Power Roller		
	Rate as per PWD DSR-2006-07, Item no- 655, P-23	35.00	Per CUM
	Add 5% corporation Charges	<u>1.75</u>	Per CUM
	Total	<u>36.75</u>	Per CUM
5.00	Excavation for foundation in earth, soils of all types, sand, Gravel and soft murum, including removing the excavated materials upto a distance of 50 m. beyond the building area stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering (including shoring and strutting) etc. complete. (Lift upto 1.50 Metre).		
	Rate as per PWD DSR-2006-07, Item no- 1, P-7	46.00	Per CUM
	Add 5% corporation Charges	<u>2.30</u>	Per CUM
	Total	<u>48.30</u>	Per CUM

6.00 Excavation for foundation In hard murum and boulders upto 0.03 cum. to 0.20 cum. size including shoring and strutting as necessary and disposing off excavated stuff as directed excluding dewatering if separately provided etc. complete as directed by Engineer in charge

Rate as per PWD DSR-2006-07, Item no- 753, P-270	81.00 Per CUM
add conveying & shifting upto 3Km Lead = $383.40/5.75$	66.68 Per CUM
Total	147.68 Per CUM
Add 5% corporation Charges	7.38 Per CUM
Total	155.06 Per CUM
say	155.05 Per CUM

7.00 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 Lead charges 13Km = $(149.32-84.73)$	64.59 Per CUM
Total	226.59 Per CUM
Add royalty charge	17.67 Per CUM
Add 5% corporation Charges	8.10 Per CUM
Total	252.36 Per CUM
say	252.35 Per CUM

8.00 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

9.00 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

10.00 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

11.00 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

12.00 Providing and casting in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete columns as per detailed designs and drawing, or as directed including centering, formwork, compacting and finishing the form surfaces with cement mortar 1:3 of sufficient minimum thickness, to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement)

Rate as per PWD DSR-2006-07, I.No-49 P.No-20	3247.00 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	3358.84 Per CUM
Add royalty charge $= 17.67 * (0.90 + 0.45)$	23.85 Per CUM
Add 5% corporation Charges	167.94 Per CUM
Total	3550.63 Per CUM
say	3550.65 Per CUM

13.00 Providing and casting in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete beams and lintels as per detailed designs and drawings, or as directed including, centering, form work, compaction and roughening the surface if special finishing to be provided and curing etc. complete. (Excluding reinforcement) (7.60 Bag/ Cum.)

Rate as per PWD DSR-2006-07, I.No-52 P.No-21	3325.00 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	3436.84 Per CUM
Add royalty charge $= 17.67 * (0.90 + 0.45)$	23.85 Per CUM
Add 5% corporation Charges	171.84 Per CUM
Total	3632.53 Per CUM
say	3632.55 Per CUM

14.00 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.
Say	40,143.60	Per M.T.

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	0.14	Per sqm
Total	2.84	Per sqm
Say	2.85	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	10.05	Per sqm
Total	211.05	Per sqm

17.00 Providing trap/ granite/ quartzite/ gneiss rubble stone filling behind the abutment, returns or wings including all materials and hand packing and filling voids with spouts etc. complete as directed by Engineer in charge.

Rate as per PWD DSR-2006-07, I.No-822 P.No-287	170.00	Per CUM
add Lead charges 13Km =(182.68-103.66)	79.02	Per CUM
Total	249.02	Per CUM
Add royalty charge	17.67	Per CUM
Add 5% corporation Charges	12.45	Per CUM
Total	279.14	Per CUM
say	279.15	Per CUM

18.00 Providing First class burnt Brick masonry with conventional / Indian Standard type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding complete.

Rate as per PWD DSR-2006-07, I.No-85 P.No- 51	1462.00	Per CUM
add Lead charges 8Km =(641.11-487.19)*500/3500	21.99	Per CUM
Total	1483.99	Per CUM
Add 5% corporation Charges	74.20	Per CUM
Total	1558.19	Per CUM
say	1558.20	Per CUM

19.00 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

20.00 Providing and laying in required positions on wall or flooring of broken China mosaic (broken pieces of china) of approved colour and pattern on a bedding of 20 mm. thick 1:4 cement mortar with water proofing compound including neat cement float, giving proper slopes, compacting, curing and finishing complete

Rate as per PWD DSR-2006-07, I.No-186 P.No-92	285.00 Per SQM
Add 5% corporation Charges	14.25 Per SQM
Total	<u>299.25 Per SQM</u>

21.00 Providing and fixing informatory Sign Boards in square or rectangular shape of any size made out of 14 gauge (2 mm) thick aluminium sheet bonded with green retro Reflective sheeting of engineering grade having pressure sensitive / heat activated adhesive, white retro reflective cutout border and messages having pressure sensitive adhesive or screen printing of green transparent colour over white retro reflective sheeting having border and messages in white background including M.S. angle iron frame of size 35 mm x 35 mm x 3 mm and two angle iron post of size 65 mm x 65 mm x 6 mm, 3.65 m. long, properly cross braced with angle iron of size 50 mm x 50 mm x 5 mm duly painted with one coat of epoxy primer and two coats of epoxy finish paint having alternative black and white bands of 25 cm width including G.I. fixtures welding to sign boards etc. fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including transportation etc. complete.

Rate as per PWD DSR-2005-06, I.No-772 P.No-183	10000.00 Per SQM
add 5% Increase over DSR 05-06	500.00 Per SQM
Total	<u>10500.00 Per SQM</u>
Add 5% corporation Charges	525.00 Per SQM
Total	<u>11025.00 Per SQM</u>
say	<u>11025.00 Per SQM</u>

LEAD CHART - SH 16

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