

ABSTRACT OF COST - SH 11

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

29.01.2007

ITEM	Description of Item	Quantity	Rate	Unit	Amount	Reference
					PWD DSR-2006-07	
1.00	Excavation for foundation in earth, soils of all types, sand, Gravel and soft murum, including removing the excavated material 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).	648.00	48.30	CUM	Rs 31,298.00	I.No-1 P.No-7
2.00	Providing and filling in the foundation with sand of approved quality including compaction complete.	172.00	164.65	CUM	Rs 28,320.00	I.No-18 P.No-10
3.00	Providing dry trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm. to 20 cm. thick including hand packing and compacting complete	226.00	236.10	CUM	Rs 53,359.00	I.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	110.00	174.75	CUM	Rs 19,223.00	Item no-737 P.No-266
5.00	Providing and laying in situ cement concrete M-10/ 1:3:6 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including dewatering, formwork, compacting, roughening them if special finish is to be provided, finishing if required and curing etc. complete. (4.42 Bag/ Cum.)	113.00	1,857.00	CUM	Rs 209,841.00	I.No-30 P.No-15
6.00	Filling in plinth and floors with contractor's soil, sand or murum in 15 cm. to 20 cm. layers including watering and compaction etc. complete.	7.00	181.05	CUM	Rs 1,267.00	I.No-16 P.No-10
7.00	Providing and laying in situ cement concrete Cu.M. 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.)	45.00	2,747.40	CUM	Rs 123,633.00	I.No-46 P.No-19
8.00	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) (7.60 Bag/ Cum.)	14.00	3,550.65	CUM	Rs 49,709.00	I.No-49 P.No-20
9.00	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.)	115.00	3,632.55	CUM	Rs 417,743.00	I.No-52 P.No-21

ITEM	Description of Item	Quantity	Rate	Unit	Amount	Reference
10.00	Providing and casting in situ cement concrete Cu.M. 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.)	2.00	3,216.75	CUM	Rs 6,434.00	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.	16.86	40,143.60	MT	Rs 676,821.00	I.No-803 P.No-283
12.00	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	157.00	928.05	CUM	Rs 145,704.00	I.No-99 P.No-57
13.00	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.	193.00	1,237.80	CUM	Rs 238,895.00	I.No-103 P.No-57
14.00	Providing structural steel work in trusses, other similar trussed purlins and members-with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/ bolted/ welded connection and painting complete.	38.27	39,655.35	MT	Rs 1,517,610.00	I.No-23 P.No-11
15.00	Anchoring roof trusses by 16 mm. diameter steel bars in position including all fixtures and fastening etc. complete.	79.00	67.20	Rg.M	Rs 5,309.00	I.No-24 P.No-11
16.00	Providing and fixing corrugated galvanised iron sheet of 0.63 mm. thickftess (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron - screw and bolts and lead and bitumen washers as per drawing complete.	945.00	358.05	SQM	Rs 338,357.00	I.No-283 P.No-116
17.00	Providing and fixing valley gutter of 22 B.W.G. (0.63 mm.) plain galvanised iron sheets 120cm. wide with country teak wood planking 20 mm. thick including two coats of coal-taring the upper surface of plank (excluding painting to under side of plank).	172.00	1141.35	Per Rg.M.	Rs 196,312.00	I.No-284 P.No-116
18.00	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	8.00	299.25	SQM	Rs 2,394.00	I.No-186 P.No-92

ITEM	Description of Item	Quantity	Rate	Unit	Amount	Reference
19.00	Providing and laying cement concrete flooring 50 mm. thick with 1:2:3 cement concrete laid to proper level and slope in alternate bays, including compaction, filling joints, marking lines to give appearance of tiles of 30 cm. X 30 cm. or other size laid diagonally/ square etc. finishing smooth (with extra cement) in any colour as directed and curing. complete.	302.00	148.05	SQM	Rs 44,711.00	I.No-169 P.No-87
20.00	Providing and laying Rough Shahabad Stone Flooring 25 mm. to 30 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.	363.00	163.80	SQM	Rs 59,459.00	I.No-152 P.No-85
21.00	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.	288.00	211.05	SQM	Rs 60,782.00	I.No-158 P.No-85
22.00	Providing internal cement plaster 20 mm. thick in two coats in cement mortar 1:4 without neeru finish to concrete, brick surface, in all positions including scaffolding and curing complete.	274.00	78.75	SQM	Rs 21,578.00	I.No-139 P.No-80
23.00	Providing flush grooved pointing with cement mortar 1:3 for stone masonry work including scaffolding and curing complete.	10.00	29.40	SQM	Rs 294.00	I.No-147 P.No-82
24.00	Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days complete	1,365.00	19.95	SQM	Rs 27,232.00	I.No-245 P.No-57
25.00	Providing and applying three coat of synthetic enamel paint of approved colour to new structural steel work and wood work in buildings including scaffolding if necessary, cleaning and preparing the surface (excluding primer coat) complete.	2,443.00	31.50	SQM	Rs 76,955.00	I.No-236 P.No-103
26.00	Providing and applying priming coat over new steel and other metal surfaces including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign material and scoured with wire brushes, fine steel wool, scrappers, and sand paper, scaffolding etc. complete.	2,443.00	8.40	SQM	Rs 20,521.00	I.No-245 P.No-105
	GRAND TOTAL				Rs 4,373,761.00	

DETAILS OF MEASUREMENT - SH 11

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

29.01.2007

I. No.	Item in Brief	No.	Length Meter	Breadth Meter	Height Meter	Contents CUM	unit
	<u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u>						
1.00	Excavation for foundation in earth, soils of all types, sand, Gravel and soft murum, including removing the excavated materiakigto 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>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u> <u>Internal size=16.50mx8.80m</u>						
	for F-1 footing ...columns =2*4nos	16.00	2.00	2.00	1.35	86.40	cum
	for F-2 footing ...columns =2*4nos	16.00	2.30	2.30	1.35	114.26	cum
	for open foundation (stone) C/C =4*16.75+2*9.15	4.00	51.80	0.90	1.35	251.75	cum
	Less for common F-1 footing .. =4*4nos	-16.00	2.00	2.00	0.90	-57.60	cum
	Less for common F-2 footing .. =4*4nos	-16.00	2.30	2.30	0.90	-76.18	cum
	1.20m wide all round paving plinth	4.00	58.00	1.20	0.60	167.04	cum
	open foundation .. For Plat forms end	8.00	16.40	1.40	0.45	82.66	cum
	open foundation .. Mid Plate form	8.00	7.45	2.60	0.45	69.73	cum
	add provisional qutty					10.00	cum
	TOTAL					648.06	cum
	SAY					648.00	cum
2.00	Providing and filling in the foundation with sand of approved quality including compaction complete.						
	<u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u>						
	for F-1 footing ...columns =2*4nos	16.00	2.00	2.00	0.15	9.60	cum
	for F-2 footing ...columns =2*4nos	16.00	2.30	2.30	0.15	12.70	cum
	for open foundation (stone) C/C =4*16.75+2*9.15	4.00	51.80	0.90	0.15	27.97	cum
	Less for common F-1 footing .. =4*4nos	-16.00	2.00	2.00	0.15	-9.60	cum
	Less for common F-2 footing .. =4*4nos	-16.00	2.30	2.30	0.15	-12.70	cum
	1.20m wide all round paving plinth	4.00	58.00	1.20	0.15	41.76	cum
	open foundation .. For Plat forms end	8.00	16.40	1.40	0.15	27.55	cum
	open foundation .. Mid Plate form	8.00	7.45	2.60	0.15	23.24	cum
	under floor	4.00	16.40	8.80	0.15	86.59	cum
	less for End plate form wall...	-8.00	16.40	1.20	0.15	-23.62	cum
	less for mid plate form wall...	-8.00	7.45	2.40	0.15	-21.46	cum
	add provisional qutty					10.00	cum
	TOTAL					172.05	cum
	SAY					172.00	cum
3.00	Providing dry trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm. to 20 cm. thick including hand packing and compacting complete						

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	<u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u>						
	for F-1 footing ...columns =2*4nos	16.00	2.00	2.00	0.20	12.80	cum
	for F-2 footing ...columns =2*4nos	16.00	2.30	2.30	0.20	16.93	cum
	for open foundation (stone) C/C =4*16.75+2*9.15	4.00	51.80	0.90	0.20	37.30	cum
	Less for common F-1 footing .. =4*4nos	-16.00	2.00	2.00	0.20	-12.80	cum
	Less for common F-2 footing .. =4*4nos	-16.00	2.30	2.30	0.20	-16.93	cum
	1.20m wide all round paving plinth	4.00	58.00	1.20	0.20	55.68	cum
	open foundation .. For Plat forms end	8.00	16.40	1.40	0.20	36.74	cum
	open foundation .. Mid Plate form under floor	8.00	7.45	2.60	0.20	30.99	cum
	4.00	16.40	8.80	0.20	115.46	cum	
	less for End plate form wall...	-8.00	16.40	1.20	0.20	-31.49	cum
	less for mid plate form wall...	-8.00	7.45	2.40	0.20	-28.61	cum
	add provisional qutty					10.00	cum
						TOTAL	226.06 cum
						SAY	226.00 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						
	<u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u>						
	for F-1 footing ...columns =2*4nos	16.00	2.00	2.00	0.10	6.40	cum
	for F-2 footing ...columns =2*4nos	16.00	2.30	2.30	0.10	8.46	cum
	for open foundation (stone) C/C =4*16.75+2*9.15	4.00	51.80	0.90	0.10	18.65	cum
	Less for common F-1 footing .. =4*4nos	-16.00	2.00	2.00	0.10	-6.40	cum
	Less for common F-2 footing .. =4*4nos	-16.00	2.30	2.30	0.10	-8.46	cum
	1.20m wide all round paving plinth	4.00	58.00	1.20	0.10	27.84	cum
	open foundation .. For Plat forms end	8.00	16.40	1.40	0.10	18.37	cum
	open foundation .. Mid Plate form under floor	8.00	7.45	2.60	0.10	15.50	cum
	4.00	16.40	8.80	0.10	57.73	cum	
	less for End plate form wall...	-8.00	16.40	1.20	0.10	-15.74	cum
	less for mid plate form wall...	-8.00	7.45	2.40	0.10	-14.30	cum
	add provisional qutty					2.00	cum
						TOTAL	110.03 cum
						SAY	110.00 cum
5.00	Providing and laying in situ cement concrete M-10/ 1:3:6 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including dewatering, formwork, compacting, roughening them if special finish is to be provided, finishing if required and curing etc. complete. (4.42 Bag/ Cum.)						
	<u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u>						
	for F-1 footing ...columns =2*4nos	16.00	2.00	2.00	0.10	6.40	cum
	for F-2 footing ...columns =2*4nos	16.00	2.30	2.30	0.10	8.46	cum
	for open foundation (stone) C/C =4*16.75+2*9.15	4.00	51.80	0.90	0.10	18.65	cum
	Less for common F-1 footing .. =4*4nos	-16.00	2.00	2.00	0.10	-6.40	cum
	Less for common F-2 footing .. =4*4nos	-16.00	2.30	2.30	0.10	-8.46	cum
	1.20m wide all round paving plinth	4.00	58.00	1.20	0.10	27.84	cum
	open foundation .. For Plat forms end	8.00	16.40	1.40	0.10	18.37	cum
	open foundation .. Mid Plate form	8.00	7.45	2.60	0.10	15.50	cum

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	under floor	4.00	16.40	8.80	0.10	57.73	cum
	less for End plate form wall...	-8.00	16.40	1.20	0.10	-15.74	cum
	less for mid plate form wall...	-8.00	7.45	2.40	0.10	-14.30	cum
	add provisional qutty					5.00	cum
						TOTAL	113.03 cum
						SAY	113.00 cum
6.00	Filling in plinth and floors with contractor's soil, sand or murum in 15 cm. to 20 cm. layers including watering and compaction etc. complete. For back filling with non chesive materials						
	Total Earth Work as per i/no-1	1.00	648.06			648.06	cum
	Less for fillings ... as per i/no-2	-1.00	172.05			-172.05	cum
	Less for fillings ... as per i/no-3	-1.00	226.06			-226.06	cum
	Less for fillings ... as per i/no-5 except under floor	-1.00	113.03			-113.03	cum
	Less for RCC ... as per i/no-6	-1.00	45.11			-45.11	cum
	Less for masonry ... as per i/no-12	-1.00	157.40			-157.40	cum
	add or under floor	2.00	16.50	8.80	0.10	29.04	cum
	under floor	2.00	14.50	4.80	0.10	13.92	cum
	add provisional qutty					30.00	cum
						TOTAL	7.38 cum
						SAY	7.00 cum
7.00	Providing and laying in situ cement concrete Cu.M. 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>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u>						
	for F-1 footing ...columns =2*4nos	16.00	1.80	1.80	0.35	18.14	cum
	for F-2 footing ...columns =2*4nos	16.00	2.00	2.00	0.35	22.40	cum
	footings F-1.. Column base below plinth beam	32.00	0.45	0.45	0.55	3.56	cum
	add provisional qutty					1.00	cum
						TOTAL	45.11 cum
						SAY	45.00 cum
8.00	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.)						

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	<u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u> for columns 0.35x0.35=4*8nos add provisional qutty	32.00	0.35	0.35	3.15	12.35 cum 2.00 cum	
						TOTAL	14.35 cum
						SAY	14.00 cum
9.00	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>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u> Plinth beam C/C =2*16.75+4*9.15 Middle Tie 2 in each * 4nos Allround roof beam C/C =2*16.75+2*9.16 Middle Tie 2 in each * 4nos add provisional qutty	4.00 8.00 4.00 8.00	51.80 9.15 51.80 9.15	0.35 0.35 0.35 0.35	0.60 0.45 0.60 0.60	43.51 cum 11.53 cum 43.51 cum 15.37 cum 1.00 cum	
						TOTAL	114.93 cum
						SAY	115.00 cum
10.00	Providing and casting in situ cement concrete Cu.M. 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.)						
	<u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u> for counter slab add provisional qutty						2.00 cum
						TOTAL	2.00 cum
						SAY	2.00 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.						
	I/no- 6 foundation and footings	45.11	@	80.00 Kg/m		3608.64 Kg	
	I/no- 7 columns	14.35	@	110.00 Kg/m		1578.28 Kg	
	I/no- 8 beams and lintels	114.93	@	100.00 Kg/m		11492.50 Kg	
	I/no- 9 slab	2.00	@	90.00 Kg/m		180.00 Kg	
						TOTAL	16859.42 Kg
						SAY	16.86 M.T

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
12.00	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>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u> foundation (stone) C/C =2*16.75+2*9.15	4.00	51.80	0.75	0.30	46.62	cum
		4.00	51.80	0.60	0.30	37.30	cum
	0.3m below plinth beam	4.00	51.80	0.45	0.30	27.97	cum
	foundation .. End Plate form	8.00	16.40	1.20	0.15	23.62	cum
		8.00	7.45	2.40	0.15	21.46	cum
	Less for common portion of column =2*8nos	-32.00	0.45	0.45	0.55	-3.56	cum
	add provisional qutty					4.00	cum
						TOTAL	157.40 cum
						SAY	157.00 cum
13.00	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. <u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u> up to plinth (stone) C/C =2*16.85+2*9.15	4.00	52.00	0.35	0.15	10.92	cum
	stone wall .. End Plate form	8.00	16.40	1.20	0.60	94.46	cum
	stone wall Mid Plate form	8.00	7.45	2.40	0.60	85.82	cum
	add provisional qutty					2.00	cum
						TOTAL	193.21 cum
						SAY	193.00 cum
14.00	Providing structural steel work in trusses, other similar trussed purlins and members-with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/ bolted/ welded connection and painting complete. <u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u> trusses for sloping roofs =4*2sides*(7.70+19.10)/2	8.00	13.40	6.15		659.28	sqm
	sloping roofs =0.5*4*2*6.15*(0+11.4)/2	8.00	5.70	6.15		280.44	sqm
	add provisional qutty					5.00	sqm
						TOTAL	944.72 sqm
	add provisional qutty for base plates etc	@	40.00	Kg/sqm		37788.80	Kg.
		32.00	15.00	Kg/nos		480.00	Kg.
						TOTAL	38268.80 Kg.
						SAY	38.27 M.T
15.00	Anchoring roof trusses by 16 mm. diameter steel bars in position including all fixtures and fastening etc. complete. <u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u> or trusses for sloping roofs=4*8*4nos	128.00	0.60			76.80	m
	add provisional qutty					2.00	m
						TOTAL	78.80 m

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
						SAY	79.00 m
16.00	Providing and fixing corrugated galvanised iron sheet of 0.63 mm. thickftess (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron - screw and bolts and lead and bitumen washers as per drawing complete. <u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u> trusses for sloping roofs =4*2sides*(7.70+19.10)/2 sloping roofs =0.5*8*2*6.15*(0+11.4)/2 add provisional qutty	8.00 8.00	13.40 5.70	6.15 6.15		659.28 sqm 280.44 sqm 5.00 sqm	
						TOTAL	944.72 sqm
						SAY	945.00 sqm
17.00	Providing and fixing Ridge / valley gutter of 22 B.W.G. (0.63 mm.) plain galvanised iron sheets 120cm. wide with country teak wood planking 20 mm. thick including two coats of coal-taring the upper surface of plank (excluding painting to under side of plank). <u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u> ridge for sloping roofs=4*4sides*8.7 top =4*7.7 add provisional qutty	16.00 4.00	8.70 7.70			139.20 m 30.80 m 2.00 m	
						TOTAL	172.00 m
						SAY	172.00 m
18.00	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>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u> taken provisional	4.00	2.00	sqm		8.00 sqm	
						TOTAL	8.00 sqm
						SAY	8.00 sqm
19.00	Providing and laying cement concrete flooring 50 mm. thick with 1:2:3 cement concrete laid to proper level and slope in alternate bays, including compaction, filling joints, marking lines to give appearance of tiles of 30 cm. X 30 cm. or other size laid diagonally/ square etc. finishing smooth (with extra cement) m any colour as directed and curing. complete. <u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u> flooring on plate form... End mid add provisional qutty	8.00 8.00	16.40 7.45	1.20 2.40		157.44 sqm 143.04 sqm 2.00 sqm	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
						TOTAL	302.48 sqm
						SAY	302.00 sqm
20.00	Providing and laying Rough Shahabad Stone Flooring 25 mm. to 30 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>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u>						
	InternalAll flooring	4.00	17.20	9.50		653.60	sqm
	less... plate form... End	-8.00	16.40	1.20		-157.44	sqm
	mid	-8.00	7.45	2.40		-143.04	sqm
	add provisional qutty					10.00	sqm
						TOTAL	363.12 sqm
						SAY	363.00 sqm
21.00	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>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u>						
	1.20m wide all round paving plinth	4.00	58.00	1.20		278.40	sqm
	add provisional qutty					10.00	sqm
						TOTAL	288.40 sqm
						SAY	288.00 sqm
22.00	Providing internal cement plaster 20 mm. thick in two coats in cement mortar 1:4 without neeru finish to concrete, brick surface, in all positions including scaffolding and curing complete.						
	<u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u>						
	for plate form wall... End	8.00	35.20	0.60		168.96	sqm
	mid	8.00	19.70	0.60		94.56	sqm
	add provisional qutty					10.00	sqm
						TOTAL	273.52 sqm
						SAY	274.00 sqm
23.00	Providing flush grooved pointing with cement mortar 1:3 for stone masonry work including scaffolding and curing complete.						
	<u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u>						
	add provisional qutty					10.00	sqm
						TOTAL	10.00 sqm
						SAY	10.00 sqm

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
24.00	Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days complete						
	<u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u>						
	for columns	32.00	1.40	3.00		134.40	sqm
	Beam at roof level	4.00	51.80	1.90		393.68	sqm
	mid	8.00	9.15	1.90		787.36	sqm
	add provisional qutty					50.00	sqm
						TOTAL	1365.44 sqm
						SAY	1365.00 sqm
25.00	Providing and applying three coat of synthetic enamel paint of approved colour to new structural steel work and wood work in buildings including scaffolding if necessary, cleaning and preparing the surface (excluding primer coat) complete.						
	<u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u>						
	trusses for sloping roofs $=4*2sides*(7.70+19.10)/2$	8.00	13.40	6.15	coeff. 2.60	1714.13	sqm
	sloping roofs $=0.5*4*2*6.15*(0+11.4)/2$	8.00	5.70	6.15	2.60	729.14	sqm
						TOTAL	2443.27 sqm
						SAY	2443.00 sqm
26.00	Providing and applying priming coat over new steel and other metal surfaces including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign material and scoured with wire brushes, fine steel wool, scrappers, and sand paper, scaffolding etc.complete.						
	<u>Dhobi Ghat = 4 Nos. Internal size</u> <u>=16.40mx8.80m</u>						
	trusses for sloping roofs $=4*2sides*(7.70+19.10)/2$	8.00	13.40	6.15	coeff. 2.60	1714.13	sqm
	sloping roofs $=0.5*4*2*6.15*(0+11.4)/2$	8.00	5.70	6.15	2.60	729.14	sqm
						TOTAL	2443.27 sqm
						SAY	2443.00 sqm

ANALYSIS OF RATE - SH 11

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

29.01.2007

ITEM	Description of Item	Rate	Unit
1.00	Excavation for foundation in earth, soils of all types, sand, Gravel and soft murum, including removing the excavated materiakigto 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, I.No-1 P.No-7	46.00	Per CUM
	Add 5% corporation Charges	2.30	Per CUM
	Total	<u>48.30</u>	Per CUM
2.00	Providing and filling in the foundation with sand of approved quality including compaction complete.		
	Rate as per PWD DSR-2006-07, I.No-18 P.No-10	140.00	Per CUM
	Add royalty charge	17.67	Per CUM
	Add 5% corporation Charges	7.00	Per CUM
	Total	<u>164.67</u>	Per CUM
	say	<u>164.65</u>	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	<u>208.02</u>	Per CUM
	Add royalty charge	17.67	Per CUM
	Add 5% corporation Charges	10.40	Per CUM
	Total	<u>236.09</u>	Per CUM
	say	<u>236.10</u>	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	<u>149.59</u>	Per CUM
	Add royalty charge	17.67	Per CUM
	Add 5% corporation Charges	7.48	Per CUM
	Total	<u>174.74</u>	Per CUM
	say	<u>174.75</u>	Per CUM
5.00	Providing and laying in situ cement concrete M-10/ 1:3:6 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including dewatering, formwork, compacting, roughening them if special finish is to be provided, finishing if required and curing etc. complete. (4.42 Bag/ Cum.)		
	Rate as per PWD DSR-2006-07, I.No-30 P.No-15	1634.00	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	<u>1745.84</u>	Per CUM

Add royalty charge =17.67*(0.90+0.45)	23.85 Per CUM
Add 5% corporation Charges	87.29 Per CUM
Total	1856.98 Per CUM
say	1857.00 Per CUM

6.00 Filling in plinth and floors with contractor's soil, sand or murum in 15 cm. to 20 cm. layers including watering and compaction etc. complete.

Rate as per PWD DSR-2006-07, I.No-16 P.No-10	91.00 Per CUM
add Lead charges 13Km =(149.32-84.73)	64.59 Per CUM
Total	155.59 Per CUM
Add royalty charge	17.67 Per CUM
Add 5% corporation Charges	7.78 Per CUM
Total	181.04 Per CUM
say	181.05 Per CUM

7.00 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

8.00 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.

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

9.00 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 is 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	<u>3436.84 Per CUM</u>
Add royalty charge $= 17.67*(0.90+0.45)$	23.85 Per CUM
Add 5% corporation Charges	171.84 Per CUM
Total	<u>3632.53 Per CUM</u>
say	<u>3632.55 Per CUM</u>

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 Bar/ 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	<u>3040.84 Per CUM</u>
Add royalty charge $= 17.67*(0.90+0.45)$	23.85 Per CUM
Add 5% corporation Charges	152.04 Per CUM
Total	<u>3216.73 Per CUM</u>
say	<u>3216.75 Per CUM</u>

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	<u>33,232.00 Per M.T.</u>
Total	38,232.00 Per M.T.
Add corporation charges @ 5%	1,911.60 Per M.T.
Total	<u>40,143.60 Per M.T.</u>
Say	<u>40,143.60 Per M.T.</u>

12.00 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	<u>867.02 Per CUM</u>
Add royalty charge	17.67 Per CUM
Add 5% corporation Charges	43.35 Per CUM
Total	<u>928.04 Per CUM</u>
say	<u>928.05 Per CUM</u>

13.00	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	<u>1162.02</u>	Per CUM
	Add royalty charge	17.67	Per CUM
	Add 5% corporation Charges	58.10	Per CUM
	Total	<u>1237.79</u>	Per CUM
	say	<u>1237.80</u>	Per CUM
14.00	Providing structural tubular steel works in trusses, other similar trussed purlins and members-with all bracing, gusset plates etc. as per detailed designs and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/ bolted/ welded connection and painting complete.		
	Rate as per PWD DSR-2006-07, I.No-23 P.No-11	37,767.00	Per M.T.
	Total	<u>37,767.00</u>	Per M.T.
	Add 5% corporation Charges	1,888.35	Per M.T.
	Total	<u>39,655.35</u>	Per M.T.
15.00	Anchoring roof trusses by 16 mm. diameter steel bars in position including all fixtures and fastening etc. complete.		
	Rate as per PWD DSR-2006-07, I.No-24 P.No-11	64.00	Per Rg.M.
	Add 5% corporation Charges	3.20	Per Rg.M.
	Total	<u>67.20</u>	Per Rg.M.
16.00	Providing and fixing corrugated galvanised iron sheet of 0.63 mm. thickfess (24 B.W.G.) for roofing without wind tiles including fastening with galvanised iron -screw and bolts and lead and bitumen washers as per drawing complete.		
	Rate as per PWD DSR-2006-07, I.No-283 P.No-116	341.00	Per SQM
	Add 5% corporation Charges	17.05	Per SQM
	Total	<u>358.05</u>	Per SQM
17.00	Providing and fixing valley gutter of 22 B.W.G. (0.63 mm.) plain galvanised iron sheets 120cm. wide with country teak wood planking 20 mm. thick including two coats of coal-taring the upper surface of plank (excluding painting to under side of plank).		
	Rate as per PWD DSR-2006-07, I.No-284 P.No -116	1087.00	Per Rg.M.
	Add 5% corporation Charges	54.35	Per Rg.M.
	Total	<u>1141.35</u>	Per Rg.M.
18.00	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</u>	Per SQM

19.00	Providing and laying cement concrete flooring 50 mm. thick with 1:2:3 cement concrete laid to proper level and slope in alternate bays, including compaction, filling joints, marking lines to give appearance of tiles of 30 cm. X 30 cm. or other size laid diagonally/ square etc. finishing smooth (with extra cement) in any colour as directed and curing. complete.		
	Rate as per PWD DSR-2006-07, I.No-169 P.No-87	141.00	Per SQM
	Add 5% corporation Charges	<u>7.05</u>	Per SQM
	Total	<u>148.05</u>	Per SQM
20.00	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
21.00	Providing and laying Rough Shahabad Stone Flooring 25 mm. to 30 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-152 P.No-85	156.00	Per sqm
	Add 5% corporation Charges	<u>7.80</u>	Per sqm
	Total	<u>163.80</u>	Per sqm
22.00	Providing internal cement plaster 20 mm. thick in two coats in cement mortar 1:4 without neeru finish to concrete, brick surface, in all positions including scaffolding and curing complete.		
	Rate as per PWD DSR-2006-07, I.No-139 P.No-80	75.00	Per SQM
	Add 5% corporation Charges	<u>3.75</u>	Per SQM
	Total	<u>78.75</u>	Per SQM
23.00	Providing flush grooved pointing with cement mortar 1:3 for stone masonry work including scaffolding and curing complete.		
	Rate as per PWD DSR-2006-07, I.No-147 P.No-82	28.00	Per SQM
	Add 5% corporation Charges	<u>1.40</u>	Per SQM
	Total	<u>29.40</u>	Per SQM
24.00	Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days complete		
	Rate as per PWD DSR-2006-07, I.No-243 P.No-104	19.00	Per SQM
	Add 5% corporation Charges	<u>0.95</u>	Per SQM
	Total	<u>19.95</u>	Per SQM
25.00	Providing and applying three coats of synthetic enamel paint of approved colour to new structural steel work and wood work in buildings including scaffolding if necessary, cleaning and preparing the surface (excluding primer coat) complete.		
	Rate as per PWD DSR-2006-07, I.No-236 P.No-103	30.00	Per SQM
	Add 5% corporation Charges	<u>1.50</u>	Per SQM

Total 31.50 Per SQM

26.00 Providing and applying priming coat over new steel and other metal surfaces including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign material and scoured with wire brushes, fine steel wool, scrappers, and sand paper, scaffolding etc.complete.

Rate as per PWD DSR-2006-07, I.No-245 P.No-105	8.00 Per SQM
Add 5% corporation Charges	<u>0.40</u> Per SQM
Total	<u>8.40</u> Per SQM

LEAD CHART - SH 11

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