

ABSTRACT OF COST - SH 02

NAME OF WORK :- DPR for Construction of Bathers Platform & Promenade 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 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.	38,205.00	134.05	CUM	Rs 5,121,380.00	Item no- 751, P-270
2.00	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	2,321.00	155.05	CUM	Rs 359,871.00	Item no- 753, P-270
3.00	Excavation for foundation in soft rock 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	2,321.00	201.25	CUM	Rs 467,101.00	Item no- 755, P-271
4.00	Excavation for foundation In hard rock by chiselling, wedged or line drilled including control blasting if necessary, shoring and strutting as necessary and disposing off excavated stuff as directed, or stacked etc. complete (excluding dewatering if separately provided) as directed by Engineer in charge.	1,393.00	494.10	CUM	Rs 688,281.00	Item no- 757, P-271
5.00	Dewatering including diversion of stream, providing cofferdam, bunds etc. as may be necessary for foundation and other parts of work and bailing out and pumping out water below the actual initial natural water level for start of that particular component till completion of bridge etc. complete as directed by Engineer in charge. a) Raft, cut off wall	6,035.00	513.45	CUM	Rs 3,098,671.00	I.No-762(c) P.No-272
6.00	Dismantling carefully the stone masonry in lime or cement mortar including sorting out serviceable materials and stacking and disposing the unserviceable material upto a lead of 50 m. etc. complete as directed by Engineer-in-charge.	188.00	292.95	CUM	Rs 55,075.00	Item no- 745, P-269
7.00	Providing and filling with approved Sand, shingle below raft including watering, compaction etc. complete as directed by Engineer in charge.	13,167.00	252.35	CUM	Rs 3,322,692.00	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	10,095.00	236.10	CUM	Rs 2,383,430.00	Item no-17 P.No-10

ITEM	Description of Item	Quantity	Rate	Unit	Amount	Reference
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	6,583.00	174.75	CUM	Rs 1,150,379.00	Item no-737 P.No-266
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.	4,393.00	1,241.65	CUM	Rs 5,454,568.00	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)	8,944.00	2,747.40	CUM	Rs 24,572,746.00	I.No-46 P.No- 19
12.00	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.)	1,733.00	3,252.45	CUM	Rs 5,636,496.00	I.No-764 P.No-273
13.00	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.)	116.00	2,626.65	CUM	Rs 304,691.00	I.No-33 P.No- 16
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.	881.87	40,143.60	MT	Rs 35,401,437.00	I.No-803 P.No-283
15.00	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.	8,160.00	36.75	CUM	Rs 299,880.00	I.No-655 P.No-232

ITEM	Description of Item	Quantity	Rate	Unit	Amount	Reference
16.00	Providing uncoursed rubble masonry of trap/granite/ quartzite/ gneiss stones in cement mortar 1:6 in foundation and plinth of inner wall / in plinth of external walls including bailing out water manually, striking joints on unexposed faces and watering complete.	20.00	928.05	CUM	Rs 18,561.00	I.No-99 P.No-57
17.00	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.	20.00	1,237.80	CUM	Rs 24,756.00	I.No-103 P.No-57
18.00	Clearing and removing bushes, waiste trees etc. on bank of river including stacking etc. complete as directed by Engineer in charge.	35,204.00	2.85	SQM	Rs 100,331.00	I.No-K-50 P.No-41
19.00	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)	1,230.00	581.05	PER KG	Rs 714,692.00	Analysis of Rate S.No-23
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.	3,520.00	211.05	SQM	Rs 742,896.00	I.No-158 P.No-85
21.00	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.	31,684.00	1,778.85	SQM	Rs 56,361,083.00	A.R. attached

ITEM	Description of Item	Quantity	Rate	Unit	Amount	Reference
22.00	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.	1,975.00	3,037.75	SQM	Rs 5,999,556.00	A.R. attached
23.00	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.	9,608.00	279.15	CUM	Rs 2,682,073.00	I.No-822 P.No-287
24.00	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.	1,083.00	1,934.75	EACH	Rs 2,095,334.00	Analysis of Rate S.No-28
25.00	Add for providing richer mixes respectively at all level. (I) Providing M-30 grade RCC instead of M-20 or 1: 1½ :3 or grade RCC.	10,792.00	457.30	CUM	Rs 4,935,182.00	Analysis of Rate S.No-29
26.00	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	20.00	77.70	CUM	Rs 1,554.00	I.No-596 P.No-218
27.00	Removing lime or lean cement concrete including stacking the spoils as directed with all leads and lifts complete. As directed by Engineer in charge	20.00	51.45	CUM	Rs 1,029.00	I.No-597 P.No-218
28.00	Removing rich mix cement concrete including stacking the spoils as directed with all leads and lifts complete. As directed by Engineer in charge	20.00	130.20	CUM	Rs 2,604.00	I.No-598 P.No-218
29.00	Removing trap stone from floor without bed concrete including stacking the materials as directed with all leads, lifts complete	20.00	13.65	SQM	Rs 273.00	I.No-604 P.No-219
30.00	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.	20.00	13.65	SQM	Rs 273.00	I.No-605 P.No-219

ITEM	Description of Item	Quantity	Rate	Unit	Amount	Reference
31.00	Removing iron pipe railing having wooden reinforced cement concrete or cement concrete or iron posts and stacking the materials as directed.	20.00	13.65	RMT	Rs 273.00	I.No-611 P.No-220
32.00	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.	20.00	292.95	CUM	Rs 5,859.00	I.No-745 P.No-269
GRAND TOTAL					Rs 162,003,027.00	

DETAILS OF MEASUREMENT - SH 02

29.01.2007

NAME OF WORK :- DPR for Construction of Bathers Platform & Promenade at left side bank ZONE N-III,

I. No.	Item in Brief	No.	Length Meter	Breadth Meter	Height Meter	Contents	unit CUM
<u>DETAILS OF Bathers Platform & Promende</u>							
		Nos.	Length	Avg Length	Breadth	AREA	Cross Walls Nos
1: -"a" Zone	Bathers Platform	1.00	66.70	68.61	20.00	1334.00	2+1
	Promenade with steps	1.00	70.52		7.80	550.06	
2: -"c" Zone	Bathers Platform	1.00	61.17	60.43	20.00	1223.40	2.00
	Promenade with steps	1.00	59.68		10.49	625.84	
3: -"e" Zone	Bathers Platform	1.00	111.60	111.60	20.00	2232.00	6.00
	Promenade with steps	1.00	111.60		14.56	1624.67	
4: -"f" Zone	Promenade with jetty	1.00	66.49	51.41	37.86	2517.31	3.00
	Promenade excluding nallah (41.63m-5.31m nallah)	1.00	36.32		18.20	661.02	2.00
5: -"g" Zone	Bathers Platform (54.82+7.56)	1.00	62.38	70.33	20.00	1247.60	4.00
	Promenade with steps	1.00	78.27		19.30	1510.81	
6: -"h" Zone	Bathers Platform	1.00	24.00	24.00	20.00	480.00	1.00
	Promenade with steps	1.00	24.00		9.34	224.16	
7: -"i" Zone	Bathers Platform	1.00	24.89	26.81	20.00	497.80	1.00
	Promenade with steps	1.00	28.73		9.44	271.21	
8: -"k" Zone	Bathers Platform	1.00	75.53	73.81	20.00	1510.60	3.00
	Promenade with steps	1.00	72.08		11.80	850.54	
	Extra portion of promenade...ch room	0.50	28.48	28.48	6.46	91.99	
9: -"m" Zone	Bathers Platform	1.00	76.50	76.50	20.00	1530.00	4.00
	Promenade with steps	1.00	76.50		15.06	1151.84	
10: -"n" Zone	Bathers Platform	1.00	98.00	98.00	20.00	1960.00	4.00
	Promenade with steps	1.00	98.00		13.04	1277.76	
11: -"o" Zone	Bathers Platform	1.00	172.15	177.31	20.00	3443.00	8.00
	Promenade with steps	1.00	182.46		11.03	2012.90	
12: -"p" Zone	Bathers Platform	1.00	26.20	31.04	20.00	524.00	1.00
	Promenade with steps	1.00	35.88		8.51	305.34	
13: -"r" Zone	Bathers Platform	1.00	26.64	34.63	20.00	532.80	2.00
	Promenade with steps excl nallah(48.62m - 6m)	1.00	42.62		19.44	828.53	
14: -"t" Zone	Bathers Platform	1.00	0.00	4.45	0.00	0.00	2(end wall)
	Promenade with steps	1.00	8.89		5.00	44.45	
15: -"u" Zone	Bathers Platform	1.00	102.23	102.06	20.00	2044.60	5.00
	Promenade with steps	1.00	101.89		9.90	1008.37	
16: -"w" Zone	Bathers Platform	1.00	40.30	39.17	20.00	806.00	1+1
	Promenade with steps	1.00	38.04		7.41	281.88	
	Total					35204.48	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
1.00	Excavation for foundation including shoring and strutting as necessary and disposing off excavated stuff as directed In earth, soils <u>R.C.C. wall foundation.....Total depth=2.13m</u>						
	<u>1: -"a" Zone</u>						
	for Av. Cutting at bather platform & promenade	1.00	68.61	27.80	0.75	1430.52 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	66.70	1.70	1.00	113.39 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	70.52	1.20	1.00	84.62 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	66.70	1.20	2.13	170.49 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	2.00	27.80	1.20	2.13	142.11 cum	
	cross...end wall (Section "A")	1.00	27.80	1.20	2.13	71.06 cum	0.00
	<u>2: -"c" Zone</u>						
	for Av. Cutting at bather platform & promenade	1.00	60.43	30.49	0.75	1381.62 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	61.17	1.70	1.00	103.99 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	59.68	1.20	1.00	71.62 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	61.17	1.20	2.13	156.35 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	2.00	30.49	1.20	2.13	155.85 cum	0.00
	<u>3: -"e" Zone</u>						
	for Av. Cutting at bather platform & promenade	1.00	111.60	34.56	0.75	2892.50 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	111.60	1.70	1.00	189.72 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	111.60	1.20	1.00	133.92 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	111.60	1.20	2.13	285.25 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	6.00	34.56	1.20	2.13	529.98 cum	0.00
	<u>4: -"f" Zone</u>						
	for Av. Cutting at bather platform & promenade	1.00	66.49	37.86	0.60	1510.39 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	36.32	18.20	0.60	396.61 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	66.49	1.70	1.00	113.03 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	36.32	1.70	1.00	61.74 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	66.49	1.20	2.13	169.95 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	3.00	66.49	1.20	2.13	509.85 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	2.00	36.32	1.20	2.13	185.67 cum	0.00
	<u>5: -"g" Zone</u>						
	for Av. Cutting at bather platform & promenade	1.00	70.33	39.30	0.75	2072.96 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	62.38	1.70	1.00	106.05 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	78.27	1.20	1.00	93.92 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	62.38	1.20	2.13	159.44 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	4.00	39.30	1.20	2.13	401.83 cum 0.00	
	6: -"h" Zone for Av. Cutting at bather platform & promenade	1.00	24.00	29.34	0.75	528.12 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	24.00	1.70	1.00	40.80 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	24.00	1.20	1.00	28.80 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	24.00	1.20	2.13	61.34 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	29.34	1.20	2.13	74.99 cum 0.00	
	7: -"i" Zone for Av. Cutting at bather platform & promenade	1.00	26.81	29.44	0.75	591.96 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	24.89	1.70	1.00	42.31 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	28.73	1.20	1.00	34.48 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	24.89	1.20	2.13	63.62 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	29.44	1.20	2.13	75.25 cum 0.00	
	8: -"k" Zone for Av. Cutting at bather platform & promenade	1.00	73.81	31.80	0.75	1760.25 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	75.53	1.70	1.00	128.40 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	72.08	1.20	1.00	86.50 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	75.53	1.20	2.13	193.05 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	3.00	31.80	1.20	2.13	243.84 cum 0.00	
	Extra portion of promenade...ch room for Av. Cutting at bather platform & promenade	0.50	28.48	6.46	0.75	68.99 cum	
	...end wall	1.00	28.48	1.70	2.13	103.13 cum 0.00	
	9: -"m" Zone for Av. Cutting at bather platform & promenade	1.00	76.50	35.06	0.75	2011.38 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	76.50	1.70	1.00	130.05 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	76.50	1.20	1.00	91.80 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	76.50	1.20	2.13	195.53 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	cross...intermediate middle (Section "C".) wall 0.20m thick	4.00	35.06	1.20	2.13	358.42 cum 0.00	
	10: -"n" Zone for Av. Cutting at bather platform & promenade	1.00	98.00	33.04	0.75	2428.32 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	98.00	1.70	1.00	166.60 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	98.00	1.20	1.00	117.60 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	98.00	1.20	2.13	250.49 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	4.00	33.04	1.20	2.13	337.78 cum 0.00	
	11: -"o" Zone for Av. Cutting at bather platform & promenade	1.00	177.31	31.03	0.75	4126.60 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	172.15	1.70	1.00	292.66 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	182.46	1.20	1.00	218.95 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	172.15	1.20	2.13	440.02 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	8.00	31.03	1.20	2.13	634.54 cum 0.00	
	12: -"p" Zone for Av. Cutting at bather platform & promenade	1.00	31.04	28.51	0.75	663.71 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	26.20	1.70	1.00	44.54 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	35.88	1.20	1.00	43.06 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	26.20	1.20	2.13	66.97 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	28.51	1.20	2.13	72.87 cum 0.00	
	13: -"r" Zone for Av. Cutting at bather platform & promenade	1.00	34.63	39.44	0.75	1024.36 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	26.64	1.70	1.00	45.29 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	42.62	1.20	1.00	51.14 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	26.64	1.20	2.13	68.09 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	2.00	39.44	1.20	2.13	201.62 cum 0.00	
	14: -"t" Zone for Av. Cutting at bather platform & promenade	1.00	4.45	5.00	0.75	16.67 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	0.00	1.70	1.00	0.00 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	8.89	1.20	1.00	10.67 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	0.00	1.20	2.13	0.00 cum	
	cross...both end wall (Section "A")	2.00	5.00	1.70	2.13	36.21 cum	
	15: -"u" Zone					0.00	
	for Av. Cutting at bather plateform & promenade	1.00	102.06	29.90	0.75	2288.44 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	102.23	1.70	1.00	173.79 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	101.89	1.20	1.00	122.27 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	102.23	1.20	2.13	261.30 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	5.00	29.90	1.20	2.13	382.08 cum	
	16: -"w" Zone					0.00	
	for Av. Cutting at bather plateform & promenade	1.00	39.17	27.41	0.75	805.24 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river (1.0m depth for soil+1.30m for rocks)	1.00	40.30	1.70	1.00	68.51 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick (1.0m depth for soil+1.30m for rocks)	1.00	38.04	1.20	1.00	45.65 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	40.30	1.20	2.13	103.01 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	27.41	1.20	2.13	70.06 cum	
	cross...end wall (Section "A")	1.00	27.41	1.70	2.13	99.25 cum	
	Add for small portions ..L.S	36385.78 cum		5.00	%	1819.29 cum	
					TOTAL	38205.07 cum	
					SAY	38,205.00 cum	
2.00	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 st						
	1: -"a" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	66.70	1.70	0.50	56.70 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	70.52	1.20	0.50	42.31 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	66.70	1.20	0.50	40.02 cum	
	2: -"c" Zone					0.00	
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	61.17	1.70	0.50	51.99 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	59.68	1.20	0.50	35.81 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	61.17	1.20	0.50	36.70 cum	
	3: -"e" Zone					0.00	
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	111.60	1.70	0.50	94.86 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	111.60	1.20	0.50	66.96 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	111.60	1.20	0.50	66.96 cum	
	4: -"f" Zone					0.00	
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	102.81	1.70	0.50	87.39 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	66.49	1.20	0.50	39.89 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	102.81	1.20	0.50	61.69 cum 0.00	
	5: -"g" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	62.38	1.70	0.50	53.02 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	78.27	1.20	0.50	46.96 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	62.38	1.20	0.50	37.43 cum 0.00	
	6: -"h" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	24.00	1.70	0.50	20.40 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	24.00	1.20	0.50	14.40 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	24.00	1.20	0.50	14.40 cum 0.00	
	7: -"i" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	24.89	1.70	0.50	21.16 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	28.73	1.20	0.50	17.24 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	24.89	1.20	0.50	14.93 cum 0.00	
	8: -"k" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	75.53	1.70	0.50	64.20 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	72.08	1.20	0.50	43.25 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	75.53	1.20	0.50	45.32 cum 0.00	
	9: -"m" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	76.50	1.70	0.50	65.03 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	76.50	1.20	0.50	45.90 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	76.50	1.20	0.50	45.90 cum 0.00	
	10: -"n" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	98.00	1.70	0.50	83.30 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	98.00	1.20	0.50	58.80 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	98.00	1.20	0.50	58.80 cum 0.00	
	11: -"o" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	172.15	1.70	0.50	146.33 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	182.46	1.20	0.50	109.48 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	172.15	1.20	0.50	103.29 cum 0.00	
	12: -"p" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	26.20	1.70	0.50	22.27 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	35.88	1.20	0.50	21.53 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	26.20	1.20	0.50	15.72 cum 0.00	
	13: -"r" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	26.64	1.70	0.50	22.64 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	42.62	1.20	0.50	25.57 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	26.64	1.20	0.50	15.98 cum	0.00
	14: -"t" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	0.00	1.70	0.50	0.00 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	8.89	1.20	0.50	5.33 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	0.00	1.20	0.50	0.00 cum	0.00
	15: -"u" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	102.23	1.70	0.50	86.90 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	101.89	1.20	0.50	61.13 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	102.23	1.20	0.50	61.34 cum	0.00
	16: -"w" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	40.30	1.70	0.50	34.26 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	38.04	1.20	0.50	22.82 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	40.30	1.20	0.50	24.18 cum	
	Add for small portions ..L.S	2210.49 cum		5.00	%	110.52 cum	
					TOTAL	2321.01 cum	
					SAY	2321.00 cum	

3.00 Excavation for foundation in soft rock including shoring and strutting as necessary and disposing off excavated stuff as directed,

	1: -"a" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	66.70	1.70	0.50	56.70 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	70.52	1.20	0.50	42.31 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	66.70	1.20	0.50	40.02 cum	0.00
	2: -"c" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	61.17	1.70	0.50	51.99 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	59.68	1.20	0.50	35.81 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	61.17	1.20	0.50	36.70 cum	0.00
	3: -"e" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	111.60	1.70	0.50	94.86 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	111.60	1.20	0.50	66.96 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	111.60	1.20	0.50	66.96 cum	0.00
	4: -"f" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	102.81	1.70	0.50	87.39 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	66.49	1.20	0.50	39.89 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	102.81	1.20	0.50	61.69 cum	0.00
	5: -"g" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	62.38	1.70	0.50	53.02 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	78.27	1.20	0.50	46.96 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	62.38	1.20	0.50	37.43 cum	0.00
	6: -"h" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	24.00	1.70	0.50	20.40 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	24.00	1.20	0.50	14.40 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	24.00	1.20	0.50	14.40 cum	0.00
	7: -"i" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	24.89	1.70	0.50	21.16 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	28.73	1.20	0.50	17.24 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	24.89	1.20	0.50	14.93 cum	0.00
	8: -"k" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	75.53	1.70	0.50	64.20 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	72.08	1.20	0.50	43.25 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	75.53	1.20	0.50	45.32 cum	0.00
	9: -"m" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	76.50	1.70	0.50	65.03 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	76.50	1.20	0.50	45.90 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	76.50	1.20	0.50	45.90 cum	0.00
	10: -"n" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	98.00	1.70	0.50	83.30 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	98.00	1.20	0.50	58.80 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	98.00	1.20	0.50	58.80 cum	0.00
	11: -"o" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	172.15	1.70	0.50	146.33 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	182.46	1.20	0.50	109.48 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	172.15	1.20	0.50	103.29 cum	0.00
	12: -"p" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	26.20	1.70	0.50	22.27 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	35.88	1.20	0.50	21.53 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	26.20	1.20	0.50	15.72 cum	0.00
	13: -"r" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	26.64	1.70	0.50	22.64 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	42.62	1.20	0.50	25.57 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	26.64	1.20	0.50	15.98 cum	0.00
	14: -"t" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	0.00	1.70	0.50	0.00 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	8.89	1.20	0.50	5.33 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	0.00	1.20	0.50	0.00 cum	0.00
	15: -"u" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	102.23	1.70	0.50	86.90 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	101.89	1.20	0.50	61.13 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	102.23	1.20	0.50	61.34 cum	0.00
	16: -"w" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	40.30	1.70	0.50	34.26 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	38.04	1.20	0.50	22.82 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	40.30	1.20	0.50	24.18 cum	
	Add for small portions ..L.S	2210.49 cum		5.00	%	110.52 cum	
					TOTAL	2321.01 cum	
					SAY	2321.00 cum	
4.00	Excavation for foundation In hard rock by chiselling, wedged or line drilled including control blasting						
	1: -"a" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	66.70	1.70	0.30	34.02 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	70.52	1.20	0.30	25.39 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	66.70	1.20	0.30	24.01 cum	0.00
	2: -"c" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	61.17	1.70	0.30	31.20 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	59.68	1.20	0.30	21.48 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	61.17	1.20	0.30	22.02 cum	0.00
	3: -"e" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	111.60	1.70	0.30	56.92 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	111.60	1.20	0.30	40.18 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	111.60	1.20	0.30	40.18 cum	0.00
	4: -"f" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	102.81	1.70	0.30	52.43 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	66.49	1.20	0.30	23.94 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	102.81	1.20	0.30	37.01 cum	0.00
	5: -"g" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	62.38	1.70	0.30	31.81 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	78.27	1.20	0.30	28.18 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	62.38	1.20	0.30	22.46 cum	0.00
	6: -"h" Zone						
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	24.00	1.70	0.30	12.24 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	24.00	1.20	0.30	8.64 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	24.00	1.20	0.30	8.64 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	<u>7: -"i" Zone</u>					0.00	
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	24.89	1.70	0.30	12.69 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	28.73	1.20	0.30	10.34 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	24.89	1.20	0.30	8.96 cum	
	<u>8: -"k" Zone</u>					0.00	
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	75.53	1.70	0.30	38.52 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	72.08	1.20	0.30	25.95 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	75.53	1.20	0.30	27.19 cum	
	<u>9: -"m" Zone</u>					0.00	
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	76.50	1.70	0.30	39.02 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	76.50	1.20	0.30	27.54 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	76.50	1.20	0.30	27.54 cum	
	<u>10: -"n" Zone</u>					0.00	
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	98.00	1.70	0.30	49.98 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	98.00	1.20	0.30	35.28 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	98.00	1.20	0.30	35.28 cum	
	<u>11: -"o" Zone</u>					0.00	
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	172.15	1.70	0.30	87.80 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	182.46	1.20	0.30	65.69 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	172.15	1.20	0.30	61.97 cum	
	<u>12: -"p" Zone</u>					0.00	
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	26.20	1.70	0.30	13.36 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	35.88	1.20	0.30	12.92 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	26.20	1.20	0.30	9.43 cum	
	<u>13: -"r" Zone</u>					0.00	
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	26.64	1.70	0.30	13.59 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	42.62	1.20	0.30	15.34 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	26.64	1.20	0.30	9.59 cum	
	<u>14: -"t" Zone</u>					0.00	
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	0.00	1.70	0.30	0.00 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	8.89	1.20	0.30	3.20 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	0.00	1.20	0.30	0.00 cum	
	<u>15: -"u" Zone</u>					0.00	
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	102.23	1.70	0.30	52.14 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	101.89	1.20	0.30	36.68 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	102.23	1.20	0.30	36.80 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	16: -"w" Zone						0.00
	for long... end toe wall (Section "B") 0.30m thick at bank of river	1.00	40.30	1.70	0.30	20.55 cum	
	Long....intermediate promenade (Section "C") wall 0.20m thick	1.00	38.04	1.20	0.30	13.69 cum	
	Long....intermediate middle (Section "C") wal 0.20m thick	1.00	40.30	1.20	0.30	14.51 cum	
	Add for small portions ..L.S	1326.29 cum		5.00	%	66.31 cum	
						TOTAL	1392.61 cum
						SAY	1393.00 cum
5.00	Dewatering including diversion of stream, providing cofferdam, bunds etc. as may be necessary for foundation and other parts of work and bailing out and pumping out						
	qutty of Hard muram					2321.01 cum	
	qutty of soft rock					2321.01 cum	
	qutty of Hard rock					1392.61 cum	
						TOTAL	6034.62 cum
						SAY	6035.00 cum
6.00	Dismantling carefully the stone masonry in lime or cement mortar including sorting						
	for existing structure LS	1.00	25.00	15.00	0.50	187.50 cum	
						TOTAL	187.50 cum
						SAY	188.00 cum
7.00	Providing and filling with approved Sand, shingle below raft including watering, compaction etc. ..						
	<u>Under floorbelow the base slab0.30m thick sand filling over ground</u>						
	1: -"a" Zone						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	68.61	27.80	0.30	572.21 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	66.70	1.70	0.30	34.02 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	70.52	1.20	0.30	25.39 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	66.70	1.20	0.30	24.01 cum	
	cross...both end wall (Section "B")	2.00	27.80	1.20	0.30	20.02 cum	
		1.00	27.80	1.20	0.30	10.01 cum	
						0.00	
	2: -"c" Zone						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	60.43	30.49	0.30	552.75 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	61.17	1.70	0.30	31.20 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	59.68	1.20	0.30	21.48 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	61.17	1.20	0.30	22.02 cum	
		2.00	30.49	1.20	0.30	21.95 cum	
						0.00	
	3: -"e" Zone						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	111.60	34.56	0.30	1157.07 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	111.60	1.70	0.30	56.92 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	111.60	1.20	0.30	40.18 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	111.60	1.20	0.30	40.18 cum	
		6.00	34.56	1.20	0.30	74.65 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	4: -"f" Zone						0.00
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	66.49	37.86	0.30	755.19 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	36.32	18.20	0.30	198.31 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	66.49	1.70	0.30	33.91 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	36.32	1.70	0.30	18.52 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	66.49	1.20	0.30	23.94 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	3.00	66.49	1.20	0.30	71.81 cum	
		2.00	36.32	1.20	0.30	26.15 cum	
	5: -"g" Zone						0.00
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	70.33	39.30	0.30	829.19 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	62.38	1.70	0.30	31.81 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	78.27	1.20	0.30	28.18 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	62.38	1.20	0.30	22.46 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	4.00	39.30	1.20	0.30	56.59 cum	
							0.00
	6: -"h" Zone						0.00
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	24.00	29.34	0.30	211.25 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	24.00	1.70	0.30	12.24 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	24.00	1.20	0.30	8.64 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	24.00	1.20	0.30	8.64 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	29.34	1.20	0.30	10.56 cum	
							0.00
	7: -"i" Zone						0.00
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	26.81	29.44	0.30	236.79 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	24.89	1.70	0.30	12.69 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	28.73	1.20	0.30	10.34 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	24.89	1.20	0.30	8.96 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	29.44	1.20	0.30	10.60 cum	
							0.00
	8: -"k" Zone						0.00
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	73.81	31.80	0.30	704.15 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	75.53	1.70	0.30	38.52 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	72.08	1.20	0.30	25.95 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	75.53	1.20	0.30	27.19 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	3.00	31.80	1.20	0.30	34.34 cum	
	Extra portion of promenade...ch room						0.00
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	0.50	28.48	6.46	0.30	27.60 cum	
	...end wall	1.00	28.48	1.70	0.30	14.52 cum	
	9: -"m" Zone						0.00

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Under floorbelow the base slab filling over ground ...bather platform & promenade for long. (Section "B"). end toe wall 0.30m thick	1.00	76.50	35.06	0.30	804.63 cum	
	at bank of river	1.00	76.50	1.70	0.30	39.02 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	76.50	1.20	0.30	27.54 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	76.50	1.20	0.30	27.54 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	4.00	35.06	1.20	0.30	50.49 cum	
	10: -"n" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather platform & promenade for long. (Section "B"). end toe wall 0.30m thick	1.00	98.00	33.04	0.30	971.38 cum	
	at bank of river	1.00	98.00	1.70	0.30	49.98 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	98.00	1.20	0.30	35.28 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	98.00	1.20	0.30	35.28 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	4.00	33.04	1.20	0.30	47.58 cum	
	11: -"o" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather platform & promenade for long. (Section "B"). end toe wall 0.30m thick	1.00	177.31	31.03	0.30	1650.58 cum	
	at bank of river	1.00	172.15	1.70	0.30	87.80 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	182.46	1.20	0.30	65.69 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	172.15	1.20	0.30	61.97 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	8.00	31.03	1.20	0.30	89.37 cum	
	12: -"p" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather platform & promenade for long. (Section "B"). end toe wall 0.30m thick	1.00	31.04	28.51	0.30	265.49 cum	
	at bank of river	1.00	26.20	1.70	0.30	13.36 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	35.88	1.20	0.30	12.92 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	26.20	1.20	0.30	9.43 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	28.51	1.20	0.30	10.26 cum	
	13: -"r" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather platform & promenade for long. (Section "B"). end toe wall 0.30m thick	1.00	34.63	39.44	0.30	409.74 cum	
	at bank of river	1.00	26.64	1.70	0.30	13.59 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	42.62	1.20	0.30	15.34 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	26.64	1.20	0.30	9.59 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	2.00	39.44	1.20	0.30	28.40 cum	
	14: -"t" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather platform & promenade for long. (Section "B"). end toe wall 0.30m thick	1.00	4.45	5.00	0.30	6.68 cum	
	at bank of river	1.00	0.00	1.70	0.30	0.00 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	8.89	1.20	0.30	3.20 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	0.00	1.20	0.30	0.00 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	cross...both end wall (Section "A")	2.00	5.00	1.70	0.30	5.10 cum	
	15: -"u" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	102.06	29.90	0.30	915.48 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	102.23	1.70	0.30	52.14 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	101.89	1.20	0.30	36.68 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	102.23	1.20	0.30	36.80 cum	
	16: -"w" Zone	5.00	29.90	1.20	0.30	53.82 cum	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	39.17	27.41	0.30	322.09 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	40.30	1.70	0.30	20.55 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	38.04	1.20	0.30	13.69 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	40.30	1.20	0.30	14.51 cum	
	cross...both end wall (Section "A")	1.00	27.41	1.20	0.30	9.87 cum	
	Add for small portions ..L.S	12539.90 cum		5.00	%	627.00 cum	
						TOTAL	13166.90 cum
						SAY	13,167.00 cum
8.00	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 slab0.23m thick stone soling/ filling over sand</u>						
	1: -"a" Zone						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	68.61	27.80	0.23	438.69 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	66.70	1.70	0.23	26.08 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	70.52	1.20	0.23	19.46 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	66.70	1.20	0.23	18.41 cum	
	cross...end wall (Section "A")	2.00	27.80	1.20	0.23	15.35 cum	
	2: -"c" Zone	1.00	27.80	1.20	0.23	7.67 cum	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	60.43	30.49	0.23	423.78 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	61.17	1.70	0.23	23.92 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	59.68	1.20	0.23	16.47 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	61.17	1.20	0.23	16.88 cum	
	3: -"e" Zone	2.00	30.49	1.20	0.23	16.83 cum	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	111.60	34.56	0.23	887.09 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	111.60	1.70	0.23	43.64 cum	
		1.00	111.60	1.20	0.23	30.80 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	111.60	1.20	0.23	30.80 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	6.00	34.56	1.20	0.23	57.23 cum	
	4: -"f" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	66.49	37.86	0.23	578.98 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	36.32	18.20	0.23	152.04 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	66.49	1.20	0.23	26.00 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	36.32	1.70	0.23	14.20 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	66.49	1.20	0.23	18.35 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	3.00	66.49	1.20	0.23	55.05 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	2.00	36.32	1.20	0.23	20.05 cum	
	5: -"g" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	70.33	39.30	0.23	635.71 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	62.38	1.70	0.23	24.39 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	78.27	1.20	0.23	21.60 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	62.38	1.20	0.23	17.22 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	4.00	39.30	1.20	0.23	43.39 cum	
	6: -"h" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	24.00	29.34	0.23	161.96 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	24.00	1.70	0.23	9.38 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	24.00	1.20	0.23	6.62 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	24.00	1.20	0.23	6.62 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	29.34	1.20	0.23	8.10 cum	
	7: -"i" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	26.81	29.44	0.23	181.54 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	24.89	1.70	0.23	9.73 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	28.73	1.20	0.23	7.93 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	24.89	1.20	0.23	6.87 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	29.44	1.20	0.23	8.13 cum	
	8: -"k" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	73.81	31.80	0.23	539.85 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	75.53	1.70	0.23	29.53 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	72.08	1.20	0.23	19.89 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	75.53	1.20	0.23	20.85 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	cross...intermediate middle (Section "C".) wall 0.20m thick	3.00	31.80	1.20	0.23	26.33 cum	
	Extra portion of promenade...ch room					0.00	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	0.50	28.48	6.46	0.23	21.16 cum	
	...end wall	1.00	28.48	1.70	0.23	11.14 cum	
	9: -"m" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	76.50	35.06	0.23	616.88 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	76.50	1.70	0.23	29.91 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	76.50	1.20	0.23	21.11 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	76.50	1.20	0.23	21.11 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	4.00	35.06	1.20	0.23	38.71 cum	
	10: -"n" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	98.00	33.04	0.23	744.72 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	98.00	1.70	0.23	38.32 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	98.00	1.20	0.23	27.05 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	98.00	1.20	0.23	27.05 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	4.00	33.04	1.20	0.23	36.48 cum	
	11: -"o" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	177.31	31.03	0.23	1265.44 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	172.15	1.70	0.23	67.31 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	182.46	1.20	0.23	50.36 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	172.15	1.20	0.23	47.51 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	8.00	31.03	1.20	0.23	68.51 cum	
	12: -"p" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	31.04	28.51	0.23	203.54 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	26.20	1.70	0.23	10.24 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	35.88	1.20	0.23	9.90 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	26.20	1.20	0.23	7.23 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	28.51	1.20	0.23	7.87 cum	
	13: -"r" Zone					0.00	
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	34.63	39.44	0.23	314.14 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	26.64	1.70	0.23	10.42 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	42.62	1.20	0.23	11.76 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	26.64	1.20	0.23	7.35 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	cross...intermediate middle (Section "C".) wall 0.20m thick	2.00	39.44	1.20	0.23	21.77 cum	0.00
	14: -"t" Zone						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	4.45	5.00	0.23	5.12 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	0.00	1.70	0.23	0.00 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	8.89	1.20	0.23	2.45 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	0.00	1.20	0.23	0.00 cum	
	cross...both end wall (Section "A")	2.00	5.00	1.70	0.23	3.91 cum	0.00
	15: -"u" Zone						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	102.06	29.90	0.23	701.87 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	102.23	1.70	0.23	39.97 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	101.89	1.20	0.23	28.12 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	102.23	1.20	0.23	28.22 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	5.00	29.90	1.20	0.23	41.26 cum	0.00
	16: -"w" Zone						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	39.17	27.41	0.23	246.94 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	40.30	1.70	0.23	15.76 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	38.04	1.20	0.23	10.50 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	40.30	1.20	0.23	11.12 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	27.41	1.20	0.23	7.57 cum	
	cross...end wall (Section "A")	1.00	27.41	1.70	0.23	10.72 cum	
	Add for small portions ..L.S	9613.92 cum		5.00	%	480.70 cum	
					TOTAL	10094.62 cum	
					SAY	10,095.00 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.						
	<u>Under floor ...below the base slab0.15m thick muram filling/ grouting for stone soling</u>						
	1: -"a" Zone						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	68.61	27.80	0.15	286.10 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	66.70	1.70	0.15	17.01 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	70.52	1.20	0.15	12.69 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	66.70	1.20	0.15	12.01 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	2.00	27.80	1.20	0.15	10.01 cum	
	cross...end wall (Section "A")	1.00	27.80	1.20	0.15	5.00 cum	0.00
	2: -"c" Zone						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	60.43	30.49	0.15	276.38 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	61.17	1.70	0.15	15.60 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	59.68	1.20	0.15	10.74 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	61.17	1.20	0.15	11.01 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	2.00	30.49	1.20	0.15	10.98 cum 0.00	
	<u>3: -"e" Zone</u>						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	111.60	34.56	0.15	578.53 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	111.60	1.70	0.15	28.46 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	111.60	1.20	0.15	20.09 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	111.60	1.20	0.15	20.09 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	6.00	34.56	1.20	0.15	37.32 cum 0.00	
	<u>4: -"f" Zone</u>						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	66.49	37.86	0.15	377.60 cum	
		1.00	36.32	18.20	0.15	99.15 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	66.49	1.70	0.15	16.95 cum	
		1.00	36.32	1.70	0.15	9.26 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	66.49	1.20	0.15	11.97 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	3.00	66.49	1.20	0.15	35.90 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	2.00	36.32	1.20	0.15	13.08 cum 0.00	
	<u>5: -"g" Zone</u>						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	70.33	39.30	0.15	414.60 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	62.38	1.70	0.15	15.91 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	78.27	1.20	0.15	14.09 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	62.38	1.20	0.15	11.23 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	4.00	39.30	1.20	0.15	28.30 cum 0.00	
	<u>6: -"h" Zone</u>						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	24.00	29.34	0.15	105.62 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	24.00	1.70	0.15	6.12 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	24.00	1.20	0.15	4.32 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	24.00	1.20	0.15	4.32 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	29.34	1.20	0.15	5.28 cum 0.00	
	<u>7: -"i" Zone</u>						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade	1.00	26.81	29.44	0.15	118.39 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	24.89	1.70	0.15	6.35 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	28.73	1.20	0.15	5.17 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	24.89	1.20	0.15	4.48 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	29.44	1.20	0.15	5.30 cum	0.00
	8: -"k" Zone						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	73.81	31.80	0.15	352.07 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	75.53	1.70	0.15	19.26 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	72.08	1.20	0.15	12.97 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	75.53	1.20	0.15	13.60 cum	
	Extra portion of promenade...ch room	3.00	31.80	1.20	0.15	17.17 cum	0.00
	Under floorbelow the base slab filling over ground ...bather plateform & promenade ...end wall	0.50	28.48	6.46	0.15	13.80 cum	
	9: -"m" Zone	1.00	28.48	1.70	0.15	7.26 cum	0.00
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	76.50	35.06	0.15	402.31 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	76.50	1.70	0.15	19.51 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	76.50	1.20	0.15	13.77 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	76.50	1.20	0.15	13.77 cum	
	10: -"n" Zone	4.00	35.06	1.20	0.15	25.24 cum	0.00
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	98.00	33.04	0.15	485.69 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	98.00	1.70	0.15	24.99 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	98.00	1.20	0.15	17.64 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	98.00	1.20	0.15	17.64 cum	
	11: -"o" Zone	4.00	33.04	1.20	0.15	23.79 cum	0.00
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	177.31	31.03	0.15	825.29 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	172.15	1.70	0.15	43.90 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	182.46	1.20	0.15	32.84 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	172.15	1.20	0.15	30.99 cum	
	12: -"p" Zone	8.00	31.03	1.20	0.15	44.68 cum	0.00
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	31.04	28.51	0.15	132.74 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	26.20	1.70	0.15	6.68 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	35.88	1.20	0.15	6.46 cum	
		1.00	26.20	1.20	0.15	4.72 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	28.51	1.20	0.15	5.13 cum	0.00
	13: -"r" Zone						
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	34.63	39.44	0.15	204.87 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	26.64	1.70	0.15	6.79 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	42.62	1.20	0.15	7.67 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	26.64	1.20	0.15	4.80 cum	
	14: -"t" Zone	2.00	39.44	1.20	0.15	14.20 cum	0.00
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	4.45	5.00	0.15	3.34 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	0.00	1.70	0.15	0.00 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	8.89	1.20	0.15	1.60 cum	
	cross...both end wall (Section "A")	1.00	0.00	1.20	0.15	0.00 cum	
	15: -"u" Zone	2.00	5.00	1.70	0.15	2.55 cum	0.00
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	102.06	29.90	0.15	457.74 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	102.23	1.70	0.15	26.07 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	101.89	1.20	0.15	18.34 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	102.23	1.20	0.15	18.40 cum	
	16: -"w" Zone	5.00	29.90	1.20	0.15	26.91 cum	0.00
	Under floorbelow the base slab filling over ground ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	39.17	27.41	0.15	161.05 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	40.30	1.70	0.15	10.28 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	38.04	1.20	0.15	6.85 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	40.30	1.20	0.15	7.25 cum	
	cross...end wall (Section "A")	1.00	27.41	1.20	0.15	4.93 cum	
	Add for small portions ..L.S	1.00	27.41	1.70	0.15	6.99 cum	
		6269.95 cum		5.00	%	313.50 cum	
					TOTAL	6583.45 cum	
					SAY	6,583.00 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,						
	1: -"a" Zone						
	Under floorbelow the base slab cc base over stone soling ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	68.61	27.80	0.10	190.74 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	66.70	1.70	0.10	11.34 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	70.52	1.20	0.10	8.46 cum	
		1.00	66.70	1.20	0.10	8.00 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	cross...intermediate middle (Section "C".) wall 0.20m thick	2.00	27.80	1.20	0.10	6.67 cum	
	cross...end wall (Section "A")	1.00	27.80	1.20	0.10	3.34 cum	
	2: -"c" Zone					0.00	
	Under floorbelow the base slab cc base over stone soling ...bather platform & promenade	1.00	60.43	30.49	0.10	184.25 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	61.17	1.70	0.10	10.40 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	59.68	1.20	0.10	7.16 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	61.17	1.20	0.10	7.34 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	2.00	30.49	1.20	0.10	7.32 cum	
	3: -"e" Zone					0.00	
	Under floorbelow the base slab cc base over stone soling ...bather platform & promenade	1.00	111.60	34.56	0.10	385.69 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	111.60	1.70	0.10	18.97 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	111.60	1.20	0.10	13.39 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	111.60	1.20	0.10	13.39 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	6.00	34.56	1.20	0.10	24.88 cum	
	4: -"f" Zone					0.00	
	Under floorbelow the base slab cc base over stone soling ...bather platform & promenade	1.00	66.49	37.86	0.10	251.73 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	36.32	18.20	0.10	66.10 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	66.49	1.20	0.10	7.98 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	3.00	66.49	1.20	0.10	23.94 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	2.00	36.32	1.70	0.10	12.35 cum	
	5: -"g" Zone					0.00	
	Under floorbelow the base slab cc base over stone soling ...bather platform & promenade	1.00	70.33	39.30	0.10	276.40 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	62.38	1.70	0.10	10.60 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	78.27	1.20	0.10	9.39 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	62.38	1.20	0.10	7.49 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	4.00	39.30	1.20	0.10	18.86 cum	
	6: -"h" Zone					0.00	
	Under floorbelow the base slab cc base over stone soling ...bather platform & promenade	1.00	24.00	29.34	0.10	70.42 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	24.00	1.70	0.10	4.08 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	24.00	1.20	0.10	2.88 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	24.00	1.20	0.10	2.88 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	29.34	1.20	0.10	3.52 cum	0.00
	<u>7: -"i" Zone</u>						
	Under floorbelow the base slab cc base over stone soling ...bather plateform & promenade	1.00	26.81	29.44	0.10	78.93 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	24.89	1.70	0.10	4.23 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	28.73	1.20	0.10	3.45 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	24.89	1.20	0.10	2.99 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	1.00	29.44	1.20	0.10	3.53 cum	0.00
	<u>8: -"k" Zone</u>						
	Under floorbelow the base slab cc base over stone soling ...bather plateform & promenade	1.00	73.81	31.80	0.10	234.72 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	75.53	1.70	0.10	12.84 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	72.08	1.20	0.10	8.65 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	75.53	1.20	0.10	9.06 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	3.00	31.80	1.20	0.10	11.45 cum	0.00
	<u>Extra portion of promenade...ch room</u>						
	Under floorbelow the base slab cc base over stone soling ...bather plateform & promenade	0.50	28.48	6.46	0.10	9.20 cum	
	...end wall	1.00	28.48	1.70	0.10	4.84 cum	0.00
	<u>9: -"m" Zone</u>						
	Under floorbelow the base slab cc base over stone soling ...bather plateform & promenade	1.00	76.50	35.06	0.10	268.21 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	76.50	1.70	0.10	13.01 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	76.50	1.20	0.10	9.18 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	76.50	1.20	0.10	9.18 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	4.00	35.06	1.20	0.10	16.83 cum	0.00
	<u>10: -"n" Zone</u>						
	Under floorbelow the base slab cc base over stone soling ...bather plateform & promenade	1.00	98.00	33.04	0.10	323.79 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	98.00	1.70	0.10	16.66 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	98.00	1.20	0.10	11.76 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	98.00	1.20	0.10	11.76 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick	4.00	33.04	1.20	0.10	15.86 cum	0.00
	<u>11: -"o" Zone</u>						
	Under floorbelow the base slab cc base over stone soling ...bather plateform & promenade	1.00	177.31	31.03	0.10	550.19 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	172.15	1.70	0.10	29.27 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	182.46	1.20	0.10	21.90 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	172.15	1.20	0.10	20.66 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	8.00	31.03	1.20	0.10	29.79 cum	
	<u>12: -"p" Zone</u>					0.00	
	Under floorbelow the base slab cc base over stone soling ...bather plateform & promenade	1.00	31.04	28.51	0.10	88.50 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	26.20	1.70	0.10	4.45 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	35.88	1.20	0.10	4.31 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	26.20	1.20	0.10	3.14 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	28.51	1.20	0.10	3.42 cum	
	<u>13: -"r" Zone</u>					0.00	
	Under floorbelow the base slab cc base over stone soling ...bather plateform & promenade	1.00	34.63	39.44	0.10	136.58 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	26.64	1.70	0.10	4.53 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	42.62	1.20	0.10	5.11 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	26.64	1.20	0.10	3.20 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	2.00	39.44	1.20	0.10	9.47 cum	
	<u>14: -"t" Zone</u>					0.00	
	Under floorbelow the base slab cc base over stone soling ...bather plateform & promenade	1.00	4.45	5.00	0.10	2.23 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	0.00	1.70	0.10	0.00 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	8.89	1.20	0.10	1.07 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	0.00	1.20	0.10	0.00 cum	
	cross...both end wall (Section "A")	2.00	5.00	1.70	0.10	1.70 cum	
	<u>15: -"u" Zone</u>					0.00	
	Under floorbelow the base slab cc base over stone soling ...bather plateform & promenade	1.00	102.06	29.90	0.10	305.16 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	102.23	1.70	0.10	17.38 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	101.89	1.20	0.10	12.23 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	102.23	1.20	0.10	12.27 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	5.00	29.90	1.20	0.10	17.94 cum	
	<u>16: -"w" Zone</u>					0.00	
	Under floorbelow the base slab cc base over stone soling ...bather plateform & promenade	1.00	39.17	27.41	0.10	107.36 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	40.30	1.70	0.10	6.85 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	38.04	1.20	0.10	4.56 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	40.30	1.20	0.10	4.84 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	27.41	1.20	0.10	3.29 cum	
	cross...end wall (Section "A")	1.00	27.41	1.70	0.10	4.66 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Add for small portions ..L.S	4183.60	cum	5.00	%	209.18	cum
					TOTAL	4392.78	cum
					SAY	4,393.00	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						
	1: -"a" Zone						
	base rcc slab 0.20m th. ...bather platform & promenade	1.00	68.61	27.80	0.20	381.47	cum
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	66.70	1.50	0.30	30.02	cum
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	70.52	1.00	0.25	17.63	cum
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	66.70	1.00	0.25	16.68	cum
	cross....intermediate middle (Section "C".) wall 0.20m thick	2.00	27.80	1.00	0.25	13.90	cum
	cross...end wall (Section "A")	1.00	27.80	1.00	0.25	6.95	cum
						0.00	
	2: -"c" Zone						
	base rcc slab 0.20m th. ...bather platform & promenade	1.00	60.43	30.49	0.20	368.50	cum
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	61.17	1.50	0.30	27.53	cum
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	59.68	1.00	0.25	14.92	cum
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	61.17	1.00	0.25	15.29	cum
	cross....intermediate middle (Section "C".) wall 0.20m thick	2.00	30.49	1.00	0.25	15.25	cum
						0.00	
	3: -"e" Zone						
	base rcc slab 0.20m th. ...bather platform & promenade	1.00	111.60	34.56	0.20	771.38	cum
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	111.60	1.50	0.30	50.22	cum
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	111.60	1.00	0.25	27.90	cum
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	111.60	1.00	0.25	27.90	cum
	cross....intermediate middle (Section "C".) wall 0.20m thick	6.00	34.56	1.00	0.25	51.84	cum
						0.00	
	4: -"f" Zone						
	base rcc slab 0.20m th. ...bather platform & promenade	1.00	66.49	37.86	0.20	503.46	cum
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	36.32	18.20	0.20	132.20	cum
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	66.49	1.50	0.30	29.92	cum
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	36.32	1.50	0.30	16.34	cum
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	66.49	1.00	0.25	16.62	cum
	cross....intermediate middle (Section "C".) wall 0.20m thick	3.00	66.49	1.00	0.25	49.87	cum
	cross....intermediate middle (Section "C".) wall 0.20m thick	2.00	36.32	1.00	0.25	18.16	cum
						0.00	
	5: -"g" Zone						
	base rcc slab 0.20m th. ...bather platform & promenade	1.00	70.33	39.30	0.20	552.79	cum
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	62.38	1.50	0.30	28.07	cum
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	78.27	1.00	0.25	19.57	cum

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	62.38	1.00	0.25	15.60 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	4.00	39.30	1.00	0.25	39.30 cum 0.00	
	<u>6: -"h" Zone</u>						
	base rcc slab 0.20m th. ...bather plateform & promenade	1.00	24.00	29.34	0.20	140.83 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	24.00	1.50	0.30	10.80 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	24.00	1.00	0.25	6.00 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	24.00	1.00	0.25	6.00 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	29.34	1.00	0.25	7.34 cum 0.00	
	<u>7: -"i" Zone</u>						
	base rcc slab 0.20m th. ...bather plateform & promenade	1.00	26.81	29.44	0.20	157.86 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	24.89	1.50	0.30	11.20 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	28.73	1.00	0.25	7.18 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	24.89	1.00	0.25	6.22 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	29.44	1.00	0.25	7.36 cum 0.00	
	<u>8: -"k" Zone</u>						
	base rcc slab 0.20m th. ...bather plateform & promenade	1.00	73.81	31.80	0.20	469.43 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	75.53	1.50	0.30	33.99 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	72.08	1.00	0.25	18.02 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	75.53	1.00	0.25	18.88 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	3.00	31.80	1.00	0.25	23.85 cum 0.00	
	<u>Extra portion of promenade...ch room</u>						
	base rcc slab 0.20m th. ...bather plateform & promenade	0.50	28.48	6.46	0.20	18.40 cum	
	...end wall (Section "A")	1.00	28.48	1.50	0.25	10.68 cum 0.00	
	<u>9: -"m" Zone</u>						
	base rcc slab 0.20m th. ...bather plateform & promenade	1.00	76.50	35.06	0.20	536.42 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	76.50	1.50	0.30	34.43 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	76.50	1.00	0.25	19.13 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	76.50	1.00	0.25	19.13 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	4.00	35.06	1.00	0.25	35.06 cum 0.00	
	<u>10: -"n" Zone</u>						
	base rcc slab 0.20m th. ...bather plateform & promenade	1.00	98.00	33.04	0.20	647.58 cum	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	98.00	1.50	0.30	44.10 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	98.00	1.00	0.25	24.50 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	98.00	1.00	0.25	24.50 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	4.00	33.04	1.00	0.25	33.04 cum 0.00	
	<u>11: -"o" Zone</u>						

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	base rcc slab 0.20m th. ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	177.31	31.03	0.20	1100.39	cum
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	172.15	1.50	0.30	77.47	cum
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	182.46	1.00	0.25	45.62	cum
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	172.15	1.00	0.25	43.04	cum
		8.00	31.03	1.00	0.25	62.06	cum
	12: -"p" Zone					0.00	
	base rcc slab 0.20m th. ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	31.04	28.51	0.20	176.99	cum
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	26.20	1.50	0.30	11.79	cum
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	35.88	1.00	0.25	8.97	cum
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	26.20	1.00	0.25	6.55	cum
		1.00	28.51	1.00	0.25	7.13	cum
	13: -"r" Zone					0.00	
	base rcc slab 0.20m th. ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	34.63	39.44	0.20	273.16	cum
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	26.64	1.50	0.30	11.99	cum
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	42.62	1.00	0.25	10.66	cum
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	26.64	1.00	0.25	6.66	cum
		2.00	39.44	1.00	0.25	19.72	cum
	14: -"t" Zone					0.00	
	base rcc slab 0.20m th. ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	4.45	5.00	0.20	4.45	cum
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	0.00	1.50	0.30	0.00	cum
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	8.89	1.00	0.25	2.22	cum
	cross....both end wall (Section "A")	1.00	0.00	1.00	0.25	0.00	cum
		2.00	5.00	1.50	0.25	3.75	cum
	15: -"u" Zone					0.00	
	base rcc slab 0.20m th. ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	102.06	29.90	0.20	610.32	cum
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	102.23	1.50	0.30	46.00	cum
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	101.89	1.00	0.25	25.47	cum
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	102.23	1.00	0.25	25.56	cum
		5.00	29.90	1.00	0.25	37.38	cum
	16: -"w" Zone					0.00	
	base rcc slab 0.20m th. ...bather plateform & promenade for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	39.17	27.41	0.20	214.73	cum
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	40.30	1.50	0.30	18.14	cum
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	38.04	1.00	0.25	9.51	cum
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	40.30	1.00	0.25	10.08	cum
		1.00	27.41	1.00	0.25	6.85	cum

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	cross...end wall (Section "A")	1.00	27.41	1.50	0.25	10.28	cum
	Add for small portions ..L.S	8518.10	cum	5.00	%	425.91	cum
					TOTAL	8944.01	cum
					SAY	8,944.00	cum

12.00 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.)

					Av ht.		
1: -"a" Zone							
for long. (Section "B"). end toe wall 0.30m thick							
at bank of river	1.00	66.70	0.30	1.50		30.02	cum
Long....intermediate promenade(Section "C")							
wall 0.20m thick	1.00	70.52	0.20	1.50		21.16	cum
Long....intermediate middle(Section "C") wal							
0.20m thick	1.00	66.70	0.20	1.50		20.01	cum
cross...intermediate middle (Section "C".) wall							
0.20m thick	2.00	27.80	0.20	1.50		16.68	cum
cross...end wall (Section "A")	1.00	27.80	0.25	1.50		10.43	cum
						0.00	
2: -"c" Zone							
for long. (Section "B"). end toe wall 0.30m thick							
at bank of river	1.00	61.17	0.30	1.50		27.53	cum
Long....intermediate promenade(Section "C")							
wall 0.20m thick	1.00	59.68	0.20	1.50		17.90	cum
Long....intermediate middle(Section "C") wal							
0.20m thick	1.00	61.17	0.20	1.50		18.35	cum
cross...intermediate middle (Section "C".) wall							
0.20m thick	2.00	30.49	0.20	1.50		18.29	cum
						0.00	
3: -"e" Zone							
for long. (Section "B"). end toe wall 0.30m thick							
at bank of river	1.00	111.60	0.30	1.50		50.22	cum
Long....intermediate promenade(Section "C")							
wall 0.20m thick	1.00	111.60	0.20	1.50		33.48	cum
Long....intermediate middle(Section "C") wal							
0.20m thick	1.00	111.60	0.20	1.50		33.48	cum
cross...intermediate middle (Section "C".) wall							
0.20m thick	6.00	34.56	0.20	1.50		62.21	cum
						0.00	
4: -"f" Zone							
for long. (Section "B"). end toe wall 0.30m thick							
at bank of river	1.00	66.49	0.30	1.50		29.92	cum
	1.00	36.32	0.30	1.50		16.34	cum
Long....intermediate middle(Section "C") wal							
0.20m thick	1.00	66.49	0.20	1.50		19.95	cum
cross...intermediate middle (Section "C".) wall							
0.20m thick	3.00	66.49	0.20	1.50		59.84	cum
cross...intermediate middle (Section "C".) wall							
0.20m thick	2.00	36.32	0.20	1.50		21.79	cum
						0.00	
5: -"g" Zone							
for long. (Section "B"). end toe wall 0.30m thick							
at bank of river	1.00	62.38	0.30	1.50		28.07	cum
Long....intermediate promenade(Section "C")							
wall 0.20m thick	1.00	78.27	0.20	1.50		23.48	cum
Long....intermediate middle(Section "C") wal							
0.20m thick	1.00	62.38	0.20	1.50		18.71	cum
cross...intermediate middle (Section "C".) wall							
0.20m thick	4.00	39.30	0.20	1.50		47.16	cum
						0.00	
6: -"h" Zone							
for long. (Section "B"). end toe wall 0.30m thick							
at bank of river	1.00	24.00	0.30	1.50		10.80	cum
Long....intermediate promenade(Section "C")							
wall 0.20m thick	1.00	24.00	0.20	1.50		7.20	cum

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	24.00	0.20	1.50	7.20 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	29.34	0.20	1.50	8.80 cum	
	<u>7: -"j" Zone</u>					0.00	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	24.89	0.30	1.50	11.20 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	28.73	0.20	1.50	8.62 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	24.89	0.20	1.50	7.47 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	29.44	0.20	1.50	8.83 cum	
	<u>8: -"k" Zone</u>					0.00	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	75.53	0.30	1.50	33.99 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	72.08	0.20	1.50	21.62 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	75.53	0.20	1.50	22.66 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	3.00	31.80	0.20	1.50	28.62 cum	
	<u>Extra portion of promenade...ch room</u>					0.00	
	...end wall (Section "A")	1.00	28.48	0.25	1.50	10.68 cum	
	<u>9: -"m" Zone</u>					0.00	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	76.50	0.30	1.50	34.43 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	76.50	0.20	1.50	22.95 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	76.50	0.20	1.50	22.95 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	4.00	35.06	0.20	1.50	42.07 cum	
	<u>10: -"n" Zone</u>					0.00	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	98.00	0.30	1.50	44.10 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	98.00	0.20	1.50	29.40 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	98.00	0.20	1.50	29.40 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	4.00	33.04	0.20	1.50	39.65 cum	
	<u>11: -"o" Zone</u>					0.00	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	172.15	0.30	1.50	77.47 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	182.46	0.20	1.50	54.74 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	172.15	0.20	1.50	51.65 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	8.00	31.03	0.20	1.50	74.47 cum	
	<u>12: -"p" Zone</u>					0.00	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	26.20	0.30	1.50	11.79 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick	1.00	35.88	0.20	1.50	10.76 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick	1.00	26.20	0.20	1.50	7.86 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick	1.00	28.51	0.20	1.50	8.55 cum	
	<u>13: -"r" Zone</u>					0.00	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river	1.00	26.64	0.30	1.50	11.99 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	promenade steps =4*0.5nos	2.00	35.88	0.115	0.45	3.71 cum	
13:	- "r" Zone					0.00	
	promenade steps =4*0.5nos	2.00	42.62	0.115	0.45	4.41 cum	
14:	- "t" Zone					0.00	
	promenade steps =4*0.5nos	2.00	8.89	0.115	0.45	0.92 cum	
15:	- "u" Zone					0.00	
	promenade steps =4*0.5nos	2.00	101.89	0.115	0.45	10.55 cum	
16:	- "w" Zone					0.00	
	promenade steps =4*0.5nos	2.00	38.04	0.115	0.45	3.94 cum	
	Add for small portions ..L.S	110.28 cum		5.00	%	5.51 cum	
					TOTAL	115.79 cum	
					SAY	116.00 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....

for portion of RCC as per i/no						
l/no- 11 raft, strip foundation and footings	8944.01	@	80.00 Kg/m		715520.58 Kg	
l/no- 12 ... cut off walls, Walls	1732.52	@	90.00 Kg/m		155927.06 Kg	
l/no- 13 for ... steps	115.79	@	90.00 Kg/m		10421.19 Kg	
				TOTAL	881868.83 Kg	
				SAY	881.87 M.T	

15.00 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.

1: - "a" Zone						
for back filling in foundations of walls etc. taken as area for filling =67%						
for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67		66.70	1.70	2.13	161.82 cum
Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67		70.52	1.20	2.13	120.77 cum
Long....intermediate middle(Section "C") wall 0.20m thick =1*67%	0.67		66.70	1.20	2.13	114.23 cum
cross...intermediate middle (Section "C".) wall 0.20m thick = 2*67%	1.34		27.80	1.20	2.13	95.22 cum
cross... end wall (Section "A") = 1*67%	0.67		27.80	1.20	2.13	47.61 cum
2: - "c" Zone						0.00
for back filling in foundations of walls etc. taken as area for filling =67%						0.00
for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67		61.17	1.70	2.13	148.40 cum
Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67		59.68	1.20	2.13	102.20 cum
Long....intermediate middle(Section "C") wall 0.20m thick =1*67%	0.67		61.17	1.20	2.13	104.75 cum
cross...intermediate middle (Section "C".) wall 0.20m thick =2*67%	1.34		30.49	1.20	2.13	104.43 cum
3: - "e" Zone						0.00
for back filling in foundations of walls etc. taken as area for filling =67%						0.00
for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67		111.60	1.70	2.13	270.75 cum
Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67		111.60	1.20	2.13	191.12 cum

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Long....intermediate middle(Section "C") wal 0.20m thick =1*67%	0.67	111.60	1.20	2.13	191.12 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick = 6*67%	4.02	34.56	1.20	2.13	355.11 cum	
	4: -"f" Zone					0.00	
	for back filling in foundations of walls etc. takenas area for filling =67%					0.00	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67	66.49	1.70	2.13	161.31 cum	
		0.67	36.32	1.70	2.13	88.11 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick =1*67%	0.67	66.49	1.20	2.13	113.87 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick = 3*67%	2.01	66.49	1.20	2.13	341.60 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick = 2*67%	1.34	36.32	1.70	2.13	176.23 cum	
	5: -"g" Zone					0.00	
	for back filling in foundations of walls etc. takenas area for filling =67%					0.00	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67	62.38	1.70	2.13	151.34 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67	78.27	1.20	2.13	134.04 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick =1*67%	0.67	62.38	1.20	2.13	106.83 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick =4*67%	2.68	39.30	1.20	2.13	269.21 cum	
	6: -"h" Zone					0.00	
	for back filling in foundations of walls etc. takenas area for filling =67%					0.00	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67	24.00	1.70	2.13	58.23 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67	24.00	1.20	2.13	41.10 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick =1*67%	0.67	24.00	1.20	2.13	41.10 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick = 1*67%	0.67	29.34	1.20	2.13	50.25 cum	
	7: -"i" Zone					0.00	
	for back filling in foundations of walls etc. takenas area for filling =67%					0.00	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67	24.89	1.70	2.13	60.38 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67	28.73	1.20	2.13	49.20 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick =1*67%	0.67	24.89	1.20	2.13	42.62 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick = 1*67%	0.67	29.44	1.20	2.13	50.42 cum	
	8: -"k" Zone					0.00	
	for back filling in foundations of walls etc. takenas area for filling =67%					0.00	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67	75.53	1.70	2.13	183.24 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67	72.08	1.20	2.13	123.44 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick =1*67%	0.67	75.53	1.20	2.13	129.35 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick = 3*67%	2.01	31.80	1.20	2.13	163.37 cum	
	Extra portion of promenade...ch room ...end wall (Section "A") = 1*67%	1.00	28.48	1.70	2.13	103.13 cum	
	9: -"m" Zone					0.00	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	for back filling in foundations of walls etc. takenas area for filling =67%						
	for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67	76.50	1.70	2.13	185.59 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67	76.50	1.20	2.13	131.01 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick =1*67%	0.67	76.50	1.20	2.13	131.01 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick =4*67%	2.68	35.06	1.20	2.13	240.16 cum	
	10: -"n" Zone						
	for back filling in foundations of walls etc. takenas area for filling =67%						
	for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67	98.00	1.70	2.13	237.75 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67	98.00	1.20	2.13	167.83 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick =1*67%	0.67	98.00	1.20	2.13	167.83 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick = 4*67%	2.68	33.04	1.20	2.13	226.33 cum	
	11: -"o" Zone					0.00	
	for back filling in foundations of walls etc. takenas area for filling =67%						
	for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67	172.15	1.70	2.13	417.65 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67	182.46	1.20	2.13	312.47 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick =1*67%	0.67	172.15	1.20	2.13	294.81 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick = 8*67%	5.36	31.03	1.20	2.13	425.12 cum	
	12: -"p" Zone					0.00	
	for back filling in foundations of walls etc. takenas area for filling =67%						0.00
	for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67	26.20	1.70	2.13	63.56 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67	35.88	1.20	2.13	61.45 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick =1*67%	0.67	26.20	1.20	2.13	44.87 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick = 1*67%	0.67	28.51	1.20	2.13	48.82 cum	
	13: -"r" Zone					0.00	
	for back filling in foundations of walls etc. takenas area for filling =67%						0.00
	for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67	26.64	1.70	2.13	64.63 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67	42.62	1.20	2.13	72.99 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick =1*67%	0.67	26.64	1.20	2.13	45.62 cum	
	cross....intermediate middle (Section "C".) wall 0.20m thick = 2*67%	1.34	39.44	1.20	2.13	135.08 cum	
	14: -"t" Zone					0.00	
	for back filling in foundations of walls etc. takenas area for filling =67%						0.00
	for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67	0.00	1.70	2.13	0.00 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67	8.89	1.20	2.13	15.22 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick =1*67%	0.67	0.00	1.20	2.13	0.00 cum	
	cross...both end wall (Section "A") = 2*67%	1.34	5.00	1.70	2.13	24.26 cum	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	15: -"u" Zone					0.00	
	for back filling in foundations of walls etc. takenas area for filling =67%					0.00	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67	102.23	1.70	2.13	248.02 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67	101.89	1.20	2.13	174.49 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick =1*67%	0.67	102.23	1.20	2.13	175.07 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick = 5*67%	3.35	29.90	1.20	2.13	256.02 cum	
	16: -"w" Zone					0.00	
	for back filling in foundations of walls etc. takenas area for filling =67%					0.00	
	for long. (Section "B"). end toe wall 0.30m thick at bank of river = 1*67%	0.67	40.30	1.70	2.13	97.77 cum	
	Long....intermediate promenade(Section "C") wall 0.20m thick = 1*67%	0.67	38.04	1.20	2.13	65.14 cum	
	Long....intermediate middle(Section "C") wal 0.20m thick =1*67%	0.67	40.30	1.20	2.13	69.01 cum	
	cross...intermediate middle (Section "C".) wall 0.20m thick = 1*67%	0.67	27.41	1.20	2.13	46.94 cum	
	cross...end wall (Section "A") = 1*67%	0.67	27.41	1.70	2.13	66.50 cum	
					TOTAL	8159.93 cum	
					SAY	8160.00 cum	
16.00	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.						
	Provisional qutty	L.S.				20.00 cum	
					TOTAL	20.00 cum	
					SAY	20.00 cum	
17.00	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.						
	Provisional qutty	L.S.				20.00 cum	
					TOTAL	20.00 cum	
					SAY	20.00 cum	
18.00	Clearing and removing bushes, waiste trees etc on bank of river including						
	1: -"a" Zone						
	Bathers Platform	1.00	66.70	20.00		1334.00 sqm	
	Promenade with steps	1.00	70.52	7.80		550.06 sqm	
	2: -"c" Zone						
	Bathers Platform	1.00	61.17	20.00		1223.40 sqm	
	Promenade with steps	1.00	59.68	10.49		625.84 sqm	
	3: -"e" Zone						
	Bathers Platform	1.00	111.60	20.00		2232.00 sqm	
	Promenade with steps	1.00	111.60	14.56		1624.67 sqm	
	4: -"f" Zone						
	Promenade with jetty	1.00	66.49	37.86		2517.31 sqm	
	Promenade excluding nallah (41.63m-5.31m nallah)	1.00	36.32	18.20		661.02 sqm	
	5: -"g" Zone						
	Bathers Platform (54.82+7.56)	1.00	62.38	20.00		1247.60 sqm	
	Promenade with steps	1.00	78.27	19.30		1510.81 sqm	
	6: -"h" Zone						
	Bathers Platform	1.00	24.00	20.00		480.00 sqm	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Promenade with steps	1.00	24.00	9.34		224.16	sqm
7:	"i" Zone						
	Bathers Platform	1.00	24.89	20.00		497.80	sqm
	Promenade with steps	1.00	28.73	9.44		271.21	sqm
8:	"k" Zone						
	Bathers Platform	1.00	75.53	20.00		1510.60	sqm
	Promenade with steps	1.00	72.08	11.80		850.54	sqm
	Extra portion of promenade...ch room	0.50	28.48	6.46		91.99	sqm
9:	"m" Zone						
	Bathers Platform	1.00	76.50	20.00		1530.00	sqm
	Promenade with steps	1.00	76.50	15.06		1151.84	sqm
10:	"n" Zone						
	Bathers Platform	1.00	98.00	20.00		1960.00	sqm
	Promenade with steps	1.00	98.00	13.04		1277.76	sqm
11:	"o" Zone						
	Bathers Platform	1.00	172.15	20.00		3443.00	sqm
	Promenade with steps	1.00	182.46	11.03		2012.90	sqm
12:	"p" Zone						
	Bathers Platform	1.00	26.20	20.00		524.00	sqm
	Promenade with steps	1.00	35.88	8.51		305.34	sqm
13:	"r" Zone						
	Bathers Platform	1.00	26.64	20.00		532.80	sqm
	Promenade with steps excl nallah(48.62m - 6m)	1.00	42.62	19.44		828.53	sqm
14:	"t" Zone						
	Bathers Platform	1.00	0.00	0.00		0.00	sqm
	Promenade with steps	1.00	8.89	5.00		44.45	sqm
15:	"u" Zone						
	Bathers Platform	1.00	102.23	20.00		2044.60	sqm
	Promenade with steps	1.00	101.89	9.90		1008.37	sqm
16:	"w" Zone						
	Bathers Platform	1.00	40.30	20.00		806.00	sqm
	Promenade with steps	1.00	38.04	7.41		281.88	sqm
					Total	35204.48	
					SAY	35204.00	sqm

19.00 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)

Taken 25% Length Promenade

1:	"a" Zone						
	at river side	0.25	70.52 m			17.63 m	
2:	"c" Zone					-	
	at river side	0.25	59.68 m			14.92 m	
3:	"e" Zone					-	
	at river side	0.25	111.60 m			27.90 m	
4:	"f" Zone					-	
	at river side	1.00	66.49 m			66.49 m	
5:	"g" Zone					-	
	at river side	0.25	78.27 m			19.57 m	
6:	"h" Zone					-	
	at river side	0.25	24.00 m			6.00 m	
7:	"i" Zone					-	
	at river side	0.25	28.73 m			7.18 m	
8:	"k" Zone					-	
	at river side	0.25	72.08 m			18.02 m	
9:	"m" Zone					-	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	at river side	0.25	76.50 m		19.13 m		
10:	- "n" Zone				-		
	at river side	0.25	98.00 m		24.50 m		
11:	- "o" Zone				-		
	at river side	0.25	182.46 m		45.62 m		
12:	- "p" Zone				-		
	at river side	0.25	35.88 m		8.97 m		
13:	- "r" Zone				-		
	at river side	0.25	42.62 m		10.66 m		
14:	- "t" Zone				-		
	at river side	0.25	8.89 m		2.22 m		
15:	- "u" Zone				-		
	at river side	0.25	101.89 m		25.47 m		
16:	- "w" Zone				-		
	at river side	0.25	38.04 m		9.51 m		
					TOTAL	323.78 m	
	Weight of 1.5mm thick 50mm dia pipe add for Vertical Clamps & nut bolts etc apart	323.78	@	2.00	kg/m	647.56	Kg
		323.78	@	1.80	kg/nos	582.80	Kg
					TOTAL	1230.36	Kg
					SAY	1230.00	Kg
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						
1:	- "a" Zone						
	Bathers Platform	1.00	66.70	20.00		1334.00	sqm
	Promenade with steps	1.00	70.52	7.80		550.06	sqm
2:	- "c" Zone						
	Bathers Platform	1.00	61.17	20.00		1223.40	sqm
	Promenade with steps	1.00	59.68	10.49		625.84	sqm
3:	- "e" Zone						
	Bathers Platform	1.00	111.60	20.00		2232.00	sqm
	Promenade with steps	1.00	111.60	14.56		1624.67	sqm
4:	- "f" Zone						
	Promenade with jetty	1.00	66.49	37.86		2517.31	sqm
	Promenade excluding nallah (41.63m-5.31m nallah)	1.00	36.32	18.20		661.02	sqm
5:	- "g" Zone						
	Bathers Platform (54.82+7.56)	1.00	62.38	20.00		1247.60	sqm
	Promenade with steps	1.00	78.27	19.30		1510.81	sqm
6:	- "h" Zone						
	Bathers Platform	1.00	24.00	20.00		480.00	sqm
	Promenade with steps	1.00	24.00	9.34		224.16	sqm
7:	- "i" Zone						
	Bathers Platform	1.00	24.89	20.00		497.80	sqm
	Promenade with steps	1.00	28.73	9.44		271.21	sqm
8:	- "k" Zone						
	Bathers Platform	1.00	75.53	20.00		1510.60	sqm
	Promenade with steps	1.00	72.08	11.80		850.54	sqm
	Extra portion of promenade...ch room	0.50	28.48	6.46		91.99	sqm
9:	- "m" Zone						
	Bathers Platform	1.00	76.50	20.00		1530.00	sqm
	Promenade with steps	1.00	76.50	15.06		1151.84	sqm
10:	- "n" Zone						
	Bathers Platform	1.00	98.00	20.00		1960.00	sqm
	Promenade with steps	1.00	98.00	13.04		1277.76	sqm
11:	- "o" Zone						
	Bathers Platform	1.00	172.15	20.00		3443.00	sqm
	Promenade with steps	1.00	182.46	11.03		2012.90	sqm
12:	- "p" Zone						
	Bathers Platform	1.00	26.20	20.00		524.00	sqm
	Promenade with steps	1.00	35.88	8.51		305.34	sqm
13:	- "r" Zone						

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Bathers Platform	1.00	26.64	20.00		532.80	sqm
	Promenade with steps excl nallah(48.62m - 6m)						
		1.00	42.62	19.44		828.53	sqm
	14: -"t" Zone						
	Bathers Platform	1.00	0.00	0.00		0.00	sqm
	Promenade with steps	1.00	8.89	5.00		44.45	sqm
	15: -"u" Zone						
	Bathers Platform	1.00	102.23	20.00		2044.60	sqm
	Promenade with steps	1.00	101.89	9.90		1008.37	sqm
	16: -"w" Zone						
	Bathers Platform	1.00	40.30	20.00		806.00	sqm
	Promenade with steps	1.00	38.04	7.41		281.88	sqm
	Total					35204.48	
	Taken 10% for area	35204.48	sqm	10.00 %		3520.45	sqm
					TOTAL	3520.45	sqm
					SAY	3520.00	sqm

21.00 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.

	1: -"a" Zone						
	Bathers Platform	1.00	66.70	20.00		1334.00	sqm
	Promenade with steps	1.00	70.52	7.80		550.06	sqm
	2: -"c" Zone						
	Bathers Platform	1.00	61.17	20.00		1223.40	sqm
	Promenade with steps	1.00	59.68	10.49		625.84	sqm
	3: -"e" Zone						
	Bathers Platform	1.00	111.60	20.00		2232.00	sqm
	Promenade with steps	1.00	111.60	14.56		1624.67	sqm
	4: -"f" Zone						
	Promenade with jetty	1.00	66.49	37.86		2517.31	sqm
	Promenade excluding nallah (41.63m-5.31m nallah)	1.00	36.32	18.20		661.02	sqm
	5: -"g" Zone						
	Bathers Platform (54.82+7.56)	1.00	62.38	20.00		1247.60	sqm
	Promenade with steps	1.00	78.27	19.30		1510.81	sqm
	6: -"h" Zone						
	Bathers Platform	1.00	24.00	20.00		480.00	sqm
	Promenade with steps	1.00	24.00	9.34		224.16	sqm
	7: -"i" Zone						
	Bathers Platform	1.00	24.89	20.00		497.80	sqm
	Promenade with steps	1.00	28.73	9.44		271.21	sqm
	8: -"k" Zone						
	Bathers Platform	1.00	75.53	20.00		1510.60	sqm
	Promenade with steps	1.00	72.08	11.80		850.54	sqm
	Extra portion of promenade...ch room	0.50	28.48	6.46		91.99	sqm
	9: -"m" Zone						
	Bathers Platform	1.00	76.50	20.00		1530.00	sqm
	Promenade with steps	1.00	76.50	15.06		1151.84	sqm
	10: -"n" Zone						
	Bathers Platform	1.00	98.00	20.00		1960.00	sqm
	Promenade with steps	1.00	98.00	13.04		1277.76	sqm
	11: -"o" Zone						
	Bathers Platform	1.00	172.15	20.00		3443.00	sqm
	Promenade with steps	1.00	182.46	11.03		2012.90	sqm
	12: -"p" Zone						
	Bathers Platform	1.00	26.20	20.00		524.00	sqm
	Promenade with steps	1.00	35.88	8.51		305.34	sqm
	13: -"r" Zone						
	Bathers Platform	1.00	26.64	20.00		532.80	sqm

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	Promenade with steps excl nallah(48.62m - 6m)						
		1.00	42.62	19.44		828.53 sqm	
	14: -"t" Zone						
	Bathers Platform	1.00	0.00	0.00		0.00 sqm	
	Promenade with steps	1.00	8.89	5.00		44.45 sqm	
	15: -"u" Zone						
	Bathers Platform	1.00	102.23	20.00		2044.60 sqm	
	Promenade with steps	1.00	101.89	9.90		1008.37 sqm	
	16: -"w" Zone						
	Bathers Platform	1.00	40.30	20.00		806.00 sqm	
	Promenade with steps	1.00	38.04	7.41		281.88 sqm	
	Total					35204.48	
	Taken 90% for area	35204.48	sqm	90.00 %		31684.03 sqm	
					TOTAL	31684.03 sqm	
					SAY	31684.00 sqm	

22.00 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.

	1: -"a" Zone						
	promenade steps =4nos	4.00	70.52	0.450		126.94 sqm	
	risers	4.00	70.52	0.115		32.44 sqm	
	2: -"c" Zone					0.00	
	promenade steps =4nos	4.00	59.68	0.450		107.42 sqm	
	risers	4.00	59.68	0.115		27.45 sqm	
	3: -"e" Zone					0.00	
	promenade steps =4nos	4.00	111.60	0.450		200.88 sqm	
	risers	4.00	111.60	0.115		51.34 sqm	
	4: -"f" Zone					0.00	
	promenade steps =4nos	4.00	36.32	0.450		65.38 sqm	
	risers	4.00	36.32	0.115		16.71 sqm	
	5: -"g" Zone					0.00	
	promenade steps =4nos	4.00	78.27	0.450		140.89 sqm	
	risers	4.00	78.27	0.115		36.00 sqm	
	6: -"h" Zone					0.00	
	promenade steps =4nos	4.00	24.00	0.450		43.20 sqm	
	risers	4.00	24.00	0.115		11.04 sqm	
	7: -"i" Zone					0.00	
	promenade steps =4nos	4.00	28.73	0.450		51.71 sqm	
	risers	4.00	28.73	0.115		13.22	
	8: -"k" Zone					0.00 sqm	
	promenade steps =4nos	4.00	72.08	0.450		129.74	
	risers	4.00	72.08	0.115		33.16 sqm	
	9: -"m" Zone					0.00	
	promenade steps =4nos	4.00	76.50	0.450		137.70 sqm	
	risers	4.00	76.50	0.115		35.19 sqm	
	10: -"n" Zone					0.00	
	promenade steps =4nos	4.00	98.00	0.450		176.40 sqm	
	risers	4.00	98.00	0.115		45.08 sqm	
	11: -"o" Zone					0.00	
	promenade steps =4nos	4.00	182.46	0.450		328.43 sqm	
	risers	4.00	182.46	0.115		83.93 sqm	
	12: -"p" Zone					0.00	
	promenade steps =4nos	4.00	35.88	0.450		64.58 sqm	
	risers	4.00	35.88	0.115		16.50 sqm	
	13: -"r" Zone					0.00	
	promenade steps =4nos	4.00	42.62	0.450		76.72 sqm	
	risers	4.00	42.62	0.115		19.61 sqm	
	14: -"t" Zone					0.00	

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
	promenade steps =4nos	4.00	8.89	0.450		16.00 sqm	
	risers	4.00	8.89	0.115		4.09 sqm	
15:	-"u" Zone					0.00	
	promenade steps =4nos	4.00	101.89	0.450		183.40 sqm	
	risers	4.00	101.89	0.115		46.87 sqm	
16:	-"w" Zone					0.00	
	promenade steps =4nos	4.00	38.04	0.450		68.47 sqm	
	risers	4.00	38.04	0.115		17.50 sqm	
						TOTAL	1975.33 sqm
						SAY	1975.00 sqm
23.00	Providing trap/ granite/ quartette/ gneiss rubble stone filling behind the abutment, returns or wings including all materials and hand packing						
	1: -"a" Zone						
	Below the submerged plate form Inside of water along with Toe wall	1.00	70.52	10.00	1.50	1057.80 cum	
	2: -"c" Zone					0.00	
	Below the submerged plate form Inside of water along with Toe wall	1.00	59.68	10.00	1.50	596.80 cum	
	3: -"e" Zone					0.00	
	Below the submerged plate form Inside of water along with Toe wall	1.00	111.60	10.00	1.50	1116.00 cum	
	4: -"f" Zone					0.00	
	Below the submerged plate form Inside of water along with Toe wall	1.00	36.32	10.00	1.50	363.20 cum	
	5: -"g" Zone					0.00	
	Below the submerged plate form Inside of water along with Toe wall	1.00	78.27	10.00	1.50	782.70 cum	
	6: -"h" Zone					0.00	
	Below the submerged plate form Inside of water along with Toe wall	1.00	24.00	10.00	1.50	240.00 cum	
	7: -"i" Zone					0.00	
	Below the submerged plate form Inside of water along with Toe wall	1.00	28.73	10.00	1.50	287.30 cum	
	8: -"k" Zone					0.00	
	Below the submerged plate form Inside of water along with Toe wall	1.00	72.08	10.00	1.50	720.80 cum	
	9: -"m" Zone					0.00	
	Below the submerged plate form Inside of water along with Toe wall	1.00	76.50	10.00	1.50	765.00 cum	
	10: -"n" Zone					0.00 cum	
	Below the submerged plate form Inside of water along with Toe wall	1.00	98.00	10.00	1.50	980.00	
	11: -"o" Zone					0.00	
	Below the submerged plate form Inside of water along with Toe wall	1.00	182.46	10.00	1.50	1824.60 cum	
	12: -"p" Zone					0.00	
	Below the submerged plate form Inside of water along with Toe wall	1.00	35.88	10.00	1.50	358.80 cum	
	13: -"r" Zone					0.00	
	Below the submerged plate form Inside of water along with Toe wall	1.00	42.62	10.00	1.50	426.20 cum	
	14: -"t" Zone					0.00	
	Below the submerged plate form Inside of water along with Toe wall	1.00	8.89	10.00	1.50	88.90 cum	
	15: -"u" Zone					0.00	
	Below the submerged plate form Inside of water along with Toe wall	1.00	101.89	10.00	1.50	1018.90 cum	
	16: -"w" Zone					0.00	
	Below the submerged plate form Inside of water along with Toe wall	1.00	38.04	10.00	1.50	380.40 cum	
						TOTAL	9,608.10 cum
						SAY	9,608.00 cum

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
24.00	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.						
	<u>1: -"a" Zone</u>	@					
	Bollard @ 1.0m apart	1.00	70.52		71.52	72.00	Nos
	<u>2: -"c" Zone</u>						
	Bollard @ 1.0m apart	1.00	59.68		60.68	61.00	Nos
	<u>3: -"e" Zone</u>						
	Bollard @ 1.0m apart	1.00	111.60		112.60	113.00	Nos
	<u>4: -"f" Zone</u>						
	Bollard @ 1.0m apart	1.00	36.32		37.32	37.00	Nos
	<u>5: -"g" Zone</u>						
	Bollard @ 1.0m apart	1.00	78.27		79.27	79.00	Nos
	<u>6: -"h" Zone</u>						
	Bollard @ 1.0m apart	1.00	24.00		25.00	25.00	Nos
	<u>7: -"i" Zone</u>						
	Bollard @ 1.0m apart	1.00	28.73		29.73	30.00	Nos
	<u>8: -"k" Zone</u>						
	Bollard @ 1.0m apart	1.00	72.08		73.08	73.00	Nos
	<u>9: -"m" Zone</u>						
	Bollard @ 1.0m apart	1.00	76.50		77.50	78.00	Nos
	<u>10: -"n" Zone</u>						
	Bollard @ 1.0m apart	1.00	98.00		99.00	99.00	Nos
	<u>11: -"o" Zone</u>						
	Bollard @ 1.0m apart	1.00	182.46		183.46	183.00	Nos
	<u>12: -"p" Zone</u>						
	Bollard @ 1.0m apart	1.00	35.88		36.88	37.00	Nos
	<u>13: -"r" Zone</u>						
	Bollard @ 1.0m apart	1.00	42.62		43.62	44.00	Nos
	<u>14: -"t" Zone</u>						
	Bollard @ 1.0m apart	1.00	8.89		9.89	10.00	Nos
	<u>15: -"u" Zone</u>						
	Bollard @ 1.0m apart	1.00	101.89		102.89	103.00	Nos
	<u>16: -"w" Zone</u>						
	Bollard @ 1.0m apart	1.00	38.04		39.04	39.00	Nos
					TOTAL	1083.00	Nos
					SAY	1083.00	Nos
25.00	Add for providing richer mixes respectively at all level. (1) Providing M-30 grade RCC instead of M-20 or 1: 1½ :3 or grade RCC. for portion of RCC as per i/no						
	l/no- 11 raft, strip foundation and footings	1.00	8944.01			8944.01	cum
	l/no- 12 ... cut off walls, Walls	1.00	1732.52			1732.52	cum
	l/no- 13 for ... steps	1.00	115.79			115.79	cum
					TOTAL	10792.32	cum
					SAY	10792.00	cum
26.00	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						
	Provisional gully	L.S.				20.00	cum
					TOTAL	20.00	cum
					SAY	20.00	cum

I. No.	Item in Brief	No.	Length	Breadth	Height	Contents	unit
27.00	Removing lime or lean cement concrete including stacking the spoils as directed with all leads and lifts complete. As directed by Engineer in charge						
	Provisional qutty	L.S.				20.00 cum	
						TOTAL	20.00 cum
						SAY	20.00 cum
28.00	Removing rich mix cement concrete including stacking the spoils as directed with all leads and lifts complete. As directed by Engineer in charge						
	Provisional qutty	L.S.				20.00 cum	
						TOTAL	20.00 cum
						SAY	20.00 cum
29.00	Removing trap stone from floor without bed concrete including stacking the materials as directed with all leads, lifts complete						
	Provisional qutty	L.S.				20.00 cum	
						TOTAL	20.00 sqm
						SAY	20.00 sqm
30.00	Removing trap stone from floor without bed concrete including stacking the materials as directed with all leads, lifts complete						
	Provisional qutty	L.S.				20.00 sqm	
						TOTAL	20.00 sqm
						SAY	20.00 sqm
31.00	Removing iron pipe railing having wooden reinforced cement concrete or cement concrete or iron posts and stacking the materials as directed.						
	Provisional qutty	L.S.				20.00 m	
						TOTAL	20.00 m
						SAY	20.00 m
32.00	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.						
	Provisional qutty	L.S.				20.00 cum	
						TOTAL	20.00 cum
						SAY	20.00 cum

ANALYSIS OF RATE

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

ANALYSIS OF RATE - SH 02			
ITEM	Description of Item	Rate	Unit
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.		Per CUM
	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	
2.00	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		Per CUM
	Rate as per PWD DSR-2006-07, Item no- 753, P-270	81.00	Per CUM
	add conveying & shifting upto 3Km Lead	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	
3.00	Excavation for foundation in soft rock 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		Per CUM
	Rate as per PWD DSR-2006-07, Item no- 755, P-271	125.00	Per CUM
	add conveying & shifting upto 3Km Lead	66.68	Per CUM
	Total	191.68	Per CUM
	Add 5% corporation Charges	9.58	Per CUM
	Total	201.26	Per CUM
	say	201.25	
4.00	Excavation for foundation In hard rock by chiselling, wedged or line drilled including control blasting if necessary, shoring and strutting as necessary and disposing off excavated stuff as directed, or stacked etc. complete (excluding dewatering if separately provided) as directed by Engineer in charge.		Per CUM
	Rate as per PWD DSR-2006-07, Item no- 757, P-271	389.00	Per CUM
	add conveying & shifting upto 3Km Lead	81.57	Per CUM
	Total	470.57	Per CUM
	Add 5% corporation Charges	23.53	Per CUM
	Total	494.10	Per CUM
	say	494.10	
5.00	Dewatering including diversion of stream, providing cofferdam, bunds etc. as may be necessary for foundation and other parts of work and bailing out and pumping out water below the actual initial natural water level for start of that particular component till completion of bridge etc. complete as directed by Engineer in charge.		
	a) Raft, cut off wall		Per CUM

	Rate as per PWD DSR-2006-07, Item no- 762-(c), P-272	489.00	Per CUM
	Add 5% corporation Charges	<u>24.45</u>	Per CUM
	Total	513.45	Per CUM
	say	<u>513.45</u>	
6.00 Dismantling carefully the stone masonry in lime or cement mortar including sorting out serviceable materials and stacking and disposing the unserviceable material upto a lead of 50 m. etc. complete as directed by Engineer-in-charge.			
			Per CUM
	Rate as per PWD DSR-2006-07, Item no- 745, P-269	279.00	Per CUM
	Add 5% corporation Charges	<u>13.95</u>	Per CUM
	Total	<u>292.95</u>	
7.00 Providing and filling with approved Sand, shingle below raft including watering, compaction etc. complete as directed by Engineer in charge.			
			Per CUM
	Rate as per PWD DSR-2006-07, Item no- 759, P-271	162.00	Per CUM
	add Lead charges 13Km =(149.32-84.73)	<u>64.59</u>	Per CUM
	Total	226.59	Per CUM
	Add royalty charge	17.67	Per CUM
	Add 5% corporation Charges	<u>8.10</u>	Per CUM
	Total	252.36	Per CUM
	say	<u>252.35</u>	
8.00 Providing dry trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm. to 20 cm. thick including hand packing and compacting complete			
			Per CUM
	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)	<u>79.02</u>	Per CUM
	Total	208.02	Per CUM
	Add royalty charge	17.67	Per CUM
	Add 5% corporation Charges	<u>10.40</u>	Per CUM
	Total	236.09	Per CUM
	say	<u>236.10</u>	
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			
			Per CUM
	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)	<u>64.59</u>	Per CUM
	Total	149.59	Per CUM
	Add royalty charge	17.67	Per CUM
	Add 5% corporation Charges	<u>7.48</u>	Per CUM
	Total	174.74	Per CUM
	say	<u>174.75</u>	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.			
			Per CUM
	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	<u>56.09</u>	Per CUM
	Total	1158.81	Per CUM
	Add royalty charge =17.67*(0.94+0.47)	24.91	Per CUM
	Add 5% corporation Charges	<u>57.94</u>	Per CUM

Total	1241.66	Per CUM
say	<u>1241.65</u>	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	<u>2593.84</u>	Per CUM
Add royalty charge $= 17.67 * (0.90 + 0.45)$	23.85	Per CUM
Add 5% corporation Charges	129.69	Per CUM
Total	<u>2747.38</u>	Per CUM
say	<u>2747.40</u>	Per CUM

12.00 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	<u>3074.84</u>	Per CUM
Add royalty charge $= 17.67 * (0.90 + 0.45)$	23.85	Per CUM
Add 5% corporation Charges	153.74	Per CUM
Total	<u>3252.43</u>	Per CUM
say	<u>3252.45</u>	Per CUM

13.00 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.)

		Per 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	<u>2478.84</u>	Per CUM
Add royalty charge $= 17.67 * (0.90 + 0.45)$	23.85	Per CUM
Add 5% corporation Charges	123.94	Per CUM
Total	<u>2626.63</u>	Per CUM
say	<u>2626.65</u>	

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

15.00 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.

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

16.00 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

		Per CUM
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)	<u>79.02</u>	Per CUM
Total	867.02	Per CUM
Add royalty charge	17.67	Per CUM
Add 5% corporation Charges	<u>43.35</u>	Per CUM
Total	928.04	Per CUM
say	<u>928.05</u>	

17.00 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.

		Per CUM
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)	<u>79.02</u>	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	1237.79	Per CUM
say	<u>1237.80</u>	

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

		Per sqm
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	2.84	Per sqm
Say	<u>2.85</u>	

19.00 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)	Rate as per Market Rate Analysis 553.39 Per Kg. Add 5% corporation Charges 27.67 Per Kg. Total 581.06 Per Kg. SAY 581.05
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 10.05 Per sqm Total 211.05
21.00 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 84.71 Per sqm Total 1778.86 Per sqm Say 1,778.85
22.00 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 144.66 Per sqm Total 3037.76 Per sqm Say 3,037.75
23.00 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	

24.00 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.

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

25.00 Add for providing richer mixes respectively at all level.
(I) Providing M-30 grade RCC instead of M-20 or 1: 1½ :3 or grade RCC.

		Per CUM
Rate as per Rate Analysis	435.54	Per CUM
Add 5% corporation Charges	21.78	Per CUM
Total	457.32	Per CUM
say	457.30	

26.00 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

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

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

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

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

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

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

Per sqm

	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>	
30.00 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>	
31.00 Removing iron pipe railing having wooden reinforced cement concrete or cement concrete or iron posts and stacking the materials as directed.			
	Rate as per PWD DSR-2006-07, I.No-611 P.No-220	13.00	Per sqm
	Add 5% corporation Charges	<u>0.65</u>	Per sqm
	Total	<u>13.65</u>	
32.00 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

ANALYSIS OF RATE - SH 02
ANALYSIS OF RATE

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	*****	*****	Rs	55338.91	
Rate per Kg	*****	*****	Rs	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)					DSR-06-07
Flooring /paving with 70 mm. thick	sqm	5.94	970.00	5761.80	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=5.40sqm x 0.02m=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				1694.15	

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				2893.10	

Item No-27 - 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	
Say				1968.00	

ANALYSIS OF RATE

Item No- 28 - -Add for providing richer mixes respectively at all level.

(I) Providing M-30 grade RCC instead of M-20 grade RCC.

Analysis of Rate on DSR-2006-07

Details of cost for 1.0 cum

DESCRIPTION	UNIT	QTY	RATE	COST	REFERENCE
Cement (1.90bag/cum)	M.T.	0.0950	3990.00	379.05	
carrriage of cement	M.T.	0.0950	136.60	12.98	
TOTAL	*****	*****		392.03	
Add For water charges @ 1%	392.03	1.00	%	3.92	
TOTAL	*****	*****		395.95	
Add For contractor's profit & over head @10%	395.95	*****		39.59	
Cost for 1.00 cum -TOTAL	*****	*****	Rs	435.54	

LEAD CHART - SH 02

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