

Name of work:- Repair of approach road by Vacuum Dewatered (VDC) Flooring for length 285 and width 8 mtr and area about 285*8= 2280 Sq Mtr from L/Xing 358/C to BRYC Good shed, along with drainage.						
Detail Estimate						
S.No.	Sor No.	Description of Item	Unit	Rate.	Qty.	Total
1	011011	Earth work in excavation as per approved drawings and dumping at embankment site or spoil heap, within railway land, including 50m lead and 1.5m lift, the lead to be measured from the centre of gravity of excavation to centre of gravity of spoil heap: the All kinds of soils	Cum	81.36	200	16272.00
2	012010	Extra over item 011010 for excavation in foundations for buildings and bridges to cover dressing to neat dimension and plumbing sides etc. Note : Dressing under this item is payable for the total quantity of excavation in foundation and not partly	Cum	8.70	200	1740.00
3	013120	Earthwork in fillingearth arrange by contractor at his own cost.	Cum	213.67	220	47007.4
4	013130	Extra for mechanical compaction	Cum	11.43	342	3909.06
5	013140	Removal of excavated/slip earth/ debris/ malba from the site of works to any other place outside Railway land/premises, including all excavations, handling, re-handling, loading, unloading and leading, etc. all labour and material as a complete job. Remov	Cum	95.82	200	19164.00
6	013150	Laying & spreading blanketting materials	Cum	55.71	342	19052.82
7	014010	Dressing Surface (average excavation or filling upto 15 cm) including removing vegetation in all kind of soil. Payment against this item is to be made only if it is not included in earth work item	Per 10 sqm	54.90	2000	10980.00
8	021510	Hiring of JCB Machine (in good working condition) for leveling and dressing ground: / dismantling structures including disposal of debris through dumpers etc. with contractor's labour, JCB machine, machine operator, fuel, etc. The contractor shall arrange	hour	612.40	18	11023.20
9	031012	1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 40mm nominal size)	Cum	1882.49	230	432972.70
10	031024	1:1.5:3 (1cement : 1.5 sand : 3 graded stone aggregate 20mm nominal size)	Cum	2137.59	10	21375.90
11	031051	P&L M-25 cement concrete	Cum	2082.64	171	356131.44
12	033061	OPC 43 grade	Tonne	5474.00	270	1477980.00
13	041011	All work upto plinth level, including raft foundation of washable aprons, HS tank, pile cap, footings of FOB, and Platform shelter etc.	Cum	2422.38	130	314909.40
14	042011	Foundations, footings, bases of columns, raft foundation of washable aprons, Pile caps, Footings of FOB etc.	sqm	120.60	50	6030.00
15	042012	Walls (any thickness) including attached plasters, buttresses, plinth and string courses etc.	sqm	191.20	600	114720.00
16	042040	Supplying and applying shuttering oil for mould releasing, having (Flash point 54 degree C and specific gravity 0.88±0.02) for concrete formwork to be applied either by brush or with spray machine to the entire satisfaction of Engineer Incharge	sqm	6.55	650	4257.50
17	047030	Providing and filling in position bitumen mix filler of proportion 80kg of hot bitumen, 1kg of cement and 0.25cum of coarse sand for expansion joints.	per cm depth/cm width/ 100m length	214.39	80	17151.20
18	043015	In slabs for drain covers, manhole covers, flue tops etc.	Cum	2870.14	10	28701.40
19	047040	Providing and fixing in position 12mm thick bitumen impregnated fibre board conforming to IS: 1838 including cost of primer, sealing compound in expansion joints.	per cm depth/ 100m length	670.56	10	6705.60
20	045014	High yield strength deformed bars	kg	47.58	13000	618540.00
21	051017	B/W Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	2218.87	30	66566.10

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Date: 2022.02.01
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Location: New Delhi

S.No.	Sor No.	Description of item	Unit	Rate.	Qty.	Total
22	051040	Extra over item 051010 & 051020 for brick work in superstructure beyond plinth level upto floor two level :	Cum	133.42	10	1334.20
23	081412	In gratings, frames, guard bar, ladders, railings, brackets, gates and similar works	kg	75.57	300	22671.00
24	092012	40mm thick with 20mm nominal size stone aggregate	sqm	120.99	130	15728.70
25	092063	Providing and laying plain cement concrete flooring of specified thickness with mix design concrete over firm, well prepared and well compacted bed including provision of trowel ling & finishing manually or mechanical vacuum	Cum	2601.25	228	593085.00
26	092050	Laying 35 mm thick hardened topping on concrete surface...(2.33x15 mm=35 mm)	sqm	309.86	5312	1645976.32
27	108162	110mm dia.	Mtr	182.18	50	9109.00
28	111041	1:4 (1cement: 4coarse sand)	sqm	61.86	300	18558.00
29	111180	Neat cement punning	sqm	10.66	150	1599.00
30	121051	Two or more coats on new work	sqm	40.81	200	8162.00
31	142014	300mm dia. R.C.C. pipe	metre	721.21	30	21636.30
32	181021	1:2:4 or richer mix with max. 20 mm coarse aggregate	Cum	413.41	5	2067.05
33	182013	In cement mortar	Cum	348.90	5	1744.50
34	183040	Dismantling Paver block/ stone sett flooring laid in dry mortar/ cement mortar / bitumen, including stacking material within 50m lead	sqm	36.38	150	5457.00
35	183062	Bituminous top layer of road	sqm	74.09	150	11113.50
36	231041	Providing and laying water bound macadam with specified stone aggregate, stone screening and binding material including screening, sorting, spreading to template and consolidation with power road roller of 8 to 10 tonne capacity etc. complete. Base course with 90 mm to 45 mm size including stone screening 13.2mm size	Cum	1657.15	342	568745.30
37	237050	Supplying and laying Pre cast Kerb stone of concrete M-25 grade 30 cm x 20 cm (in section/ including chamfering as per design if any)	Meter	385.34	570.00	219643.80
38	252020	Supply of moorum	Cum	1035.00	342.00	353970.00
Total SOR						7093790.39
1	NS-1	Making Cutting arrangement for expansion joint with diamond cutter of approved manufacturer with skilled workmanship to provide sharp edge cut complete job. Nothing extra will be paid whatsoever the case may be	Mtr	117.45	500	58725.00
Total NS						58725.00
Grand Total						7152515.39
			118125.28	28.75	%	33961.02
		above USSOR/10 ON Item (CH.- 1)	11023.20	27.26	%	3004.32
		above USSOR/10 ON Item (CH.- 2)	810480	50.83	%	411967.00
		above USSOR/10 ON Item (CH.- 3)	1477980	47.03	%	695093.99
		above USSOR/10 ON Item (CH.- 3)	492475	47.21	%	232497.49
		above USSOR/10 ON Item (CH.- 4)	618540	39.14	%	242096.56
		above USSOR/10 ON Item (CH.- 4)	67900	67.1	%	45561.10
		above USSOR/10 ON Item (CH.- 5)	22671.00	33.19	%	7524.50
		above USSOR/10 ON Item (CH.- 8)	2254790.02	36.23	%	816910.42
		above USSOR/10 ON Item (CH.- 9)	9109.00	31.08	%	2831.08
		above USSOR/10 ON Item (CH.- 10)	20157.00	34.61	%	6976.34
		above USSOR/10 ON Item (CH.- 11)	8162.00	34.17	%	2788.96
		above USSOR/10 ON Item (CH.- 12)	21636.30	24.24	%	5244.64
		above USSOR/10 ON Item (CH.- 14)	20382	33.13	%	6752.57
		above USSOR/10 ON Item (CH.- 18)	788389	23.83	%	187396.52
		above/below USSOR/10 ON Item (CH.- 23)	353970	9.61	%	34016.52
		above/below USSOR/10 ON Item (CH.- 25)			Total	9887139

SSE/W/BE

SSE/Drg./MB

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