

Name of Rd :- Purnima Manthali Rd Near
Bharanasthan To Balesi Airway (Machadali tola)

Schedule XLV-Form No. 134

12/SB D/23-24

Anandli Kumar

DIVISION

काशी काशी

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SUB-DIVISION

Measurement Book

-1351

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2nd RA Bill					
Name of Work:- Pumpun Manjoli Red Rd Near Brahmanthan to Baki Paimar (Mahadait tal)					
N/Agency:- Anandi Kumar, Polna					
Agreement No. - 125BD/2023-24					
Start Date - 15/12/2023					
Date of completion as per CA - 14/12/2024					
Work Details					
Item (01) Providing of granular fillage coarse GSB Gr. 3 - etc complete					
$10 \text{ Nos} \times 3 \times 4.050 \times 0.200 = 243 \text{ m}^3$					
$2 \text{ Nos} \times 6 \times 1.20 \times 0.200 = 2.88 \text{ m}^3$					
$2 \text{ Nos} \times 7 \times 1.30 \times 0.200 = 3.64 \text{ m}^3$					
Total - 249.52					
Item (02) Providing, laying & compaction WBM Gr. 3 Material - etc complete as per TS 405					
C.C. Part - $6 \text{ Nos} \times 3.0 \times 3.75 \times 0.075 = 50.62$					
- $1 \text{ Nos} \times 2.0 \times 3.75 \times 0.075 = 5.62$					
- $2 \times 6 \times 1.2 \times 0.075 = 1.08$					
- $1 \times 5 \times 1.5 \times 0.075 = 0.56$					
BS Part - $7 \times 3.0 \times 3.75 \times 0.075 = 59.06$					
- $1 \times 7 \times 1.30 \times 0.075 = 0.68$					
- $10 \text{ Nos} \times 3.0 \times 3.75 \times 0.075 = 84.37$					
- $2 \times 6 \times 1.2 \times 0.075 = 1.08$					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2 x 7	1.30	0.075		1.26 m ³
			Total		204.43 m ³
item (03) Cement Concrete Pavement (only)					
at unimproved / 100 m/s grade					
140 mm thick - etc Complete					
✓	6 x 30	8.75	0.160		108 m ³
✓	1 x 20	3.75	0.160		12 m ³
✓	2 x 6	0.95	0.160		1.82 m ³
✓	1 x 5	1.20	0.160		0.96 m ³
			Total		122.78 m ³
item (04) Construction Subgrade &					
Earthwork Shoulder with approved					
material - etc Complete					
	2 Sides x 6 Nos.	30 x 0.950	(0.075 + 0.160)		
					= 80.37 m ³
✓	2 x 120	1.00	(0.075 + 0.160)		= 9.40 m ³
✓	4 Nos x 30	8.75	0.300		= 280.80 m ³
✓	2 Nos. x 30	8.10 + 7.7	0.300		= 142.20 m ³
✓	2 x 4 x 30	1.35 Avg	0.200		= 97.20 m ³
✓	2 x 17 Nos. x 30	100 + 140	0.075		= 91.80 m ³
			Total		766.57 m ³
item (05) Construction of Embankment with					
excised material from borrow					
Pits - no extra load - etc Complete					
Total qty as per B.O.B 504.15 @ 10%					
For this Bill 1741 - 150.4 m ³					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
item (06) Construction of Embankment with material obtained from borrow pit — 100 m ² load — etc complete Total Qty as per bill = 376.04 m ³ Per this bill 376.04 m ³ @ 20% Total Qty = 75.20 m ³					
item (07) Providing and laying Reinforced Cement Concrete Pipe 1 Nos 300 mm dia Cable duct Pipe — etc. Complete 2 x 2 x 2.50 = 15 m ²					
item (08) Providing and laying filter material under stone boulder pitching in slope — etc complete 3 Nos x 30 x 1.75 + 2.25 x 0.200 + 0.250 2 = 40.50 m ³ 2 Nos x 30 x 1.80 + 2.25 x 0.210 + 0.240 2 = 27.00 m ³ Total = 67.50 m ³					
item (09) Providing and laying Stone Boulder pitching on slope and under filter material — etc complete 2 Nos x 30 x 1.75 + 2.25 x 0.200 + 0.280 = 28.00 m ³ 2 Nos x 30 x 1.7 + 2.10 x 0.170 + 0.260 = 27.00 m ³ 1 Nos x 30 x 2.00 + 2.30 x 0.200 + 0.350 = 13.5 m ³ As per BQP Limit Total = 67.50 m ³					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (10) Earthwork in excavation for foundation of CD work cable duct — etc complete.					
H.W. —	2	3.90	1.477	1.55	17.85 m ³
Below Pipe —	1	4.67	1.30	0.365	1.93 m ³
2 Nos x 7.5 x 0.600 x 0.800 =					7.2 m ³
Total —					26.98 m ³
Item (11) Bedding for cable duct pipe laying bedding on well completed material below cable duct placing — etc complete					
2 Nos x 7.50 x 0.60 x 0.250 =					2.25 m ³
Item (12) Bedding m/c as a bedding course on bed of CD work — etc complete					
H.W. —	2	3.90	1.47	0.200	2.3 m ³
B/Pipe —	1	5.66	1.13	0.250	1.60 m ³
Total —					3.90 m ³
Item (13) Plain Cement Concrete in Substructure of CD work in 15 grade — etc complete					
H.W. 2 x 3.60 x 0.864 x 2.78 =					17.28 m ³
Parapet 2 x 3.60 x 0.400 x 0.600 =					1.73 m ³
Less for pipe 2 x 0.785 (0.830) ² x 0.73 x 1.08 =					0.08 m ³
Net Qty =					18.210 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (14) Providing and laying ACC Pipe 1/2 600mm dia single row for CD Works — etc complete					
3 NOS X 2.50					7.50 m ²
Item (15) Providing of Porch wall					
Two coats with one coat of primer with synthetic enamel paint — etc complete TS 1901					
Top -	2	3.60	0.400		2.88 m ²
Side -	4	3.60	0.600		8.64 m ²
Front -	4	0.400	0.600		0.960 m ²
				(Total)	12.48 m ²


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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Calculation of Signiorage fee</u>					
(1) Earthwork Cont. of Embankment					
$(150.41 + 75.20) m^3$					@ Rs 3835/m ³ - Rs 7953
(2) Construction of signal & Earthen Shoulder.					
$766.57 m^3$					@ Rs 68.10/m ³ - Rs 52203
(3) GSB Gr-I					
$249.52 m^3$					@ Rs 757.56/m ³ - Rs 189026
(4) WBM Gr.III					
$204.43 m^3$					@ Rs 1434.24/m ³ - Rs 293202
(5) CC Pavement MSO grade					
$122.78 m^3$					@ Rs 1071.32/m ³ - Rs 131537
(6) RCC MIS in Road					
$3.90 m^3$					@ Rs 1216.67/m ³ - Rs 4745/-
(7) RCC MIS in Substructure					
$18.120 m^3$					@ Rs 1216.67/m ³ - Rs 22156/-
Total					Rs 7,00,822/-
S.O. Fee @ 10% of 700822/-					Rs 70,082/-
Add S.Fee from MS P/N (10)					Rs 542787
Total S.Fee					Rs 124360/-
<u>Signature</u>					
01/03/24					
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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of Cast					
Item (a) Construction of granular Subbase Course GSB Gr-I					
— etc Complete Ref. MB					
P/No. (09) and A/No. (08)					
$249.52 + 249.11 = 498.63 \text{ m}^3$					
$498.63 \text{ m}^3 @ 82952.45/\text{m}^3 - \text{Rs} - 1472180/-$					
Item (a2) flooring and laying spreading					
Complete WBM Gr-3 material					
etc complete Ref MB P/No. (10)					
$904.43 \text{ m}^3 @ 8258.09/\text{m}^3 - \text{Rs} - 870481/-$					
Item (a3) P.C.C. Cement Concrete Road Pavement M30 grade - etc Complete					
Ref. MB P/No. - (10)					
$122.78 \text{ m}^3 @ 7449.95/\text{m}^3 - \text{Rs} - 914705/-$					
Item (a4) Construction of Subgrade and Earthwork Shoulder - etc					
Complete -					
Ref. MB P/No. - (10) & P/No. (03)					
$266.87 + 1316.90 = 2083.77 \text{ m}^3$					
$2083.77 \text{ m}^3 @ 81.438.03/\text{m}^3 - \text{Rs} - 912622/-$					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (05) Construction of Embankment with approved material compact lead etc complete			BP	DP	4164786/-
Ref. M.B P/No. — and P/No. (06)					
$150.41 + 1052.70 = 1203.31 \text{ m}^3$					
$1203.31 \text{ m}^3 @ Rs 217.00/\text{m}^3 = Rs 261202/-$					
Item (06) Construction of Embankment with approved material compact lead etc complete					
Ref. M.B P/No. (11) and P/No. (06)					
$78.20 + 225.62 = 303.82 \text{ m}^3$					
$303.82 \text{ m}^3 @ Rs 267.79/\text{m}^3 = Rs 81257/-$					
Item (07) Providing & laying reinforced Cement Concrete NP2 300mm dia cable duct Pipe complete Ref. M.B. No. (11)					
15 mtrs @ Rs 688.26/mtr					Rs 10324/-
Item (08) Providing and laying and filter material under Stone Boulder pitching etc complete					
Ref. M.B P/No. (11)					
$67.50 \text{ m}^3 @ Rs 3422/\text{m}^3 = Rs 230985/-$					
					$704219 = 4753056/-$

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (9) Providing and laying Stone pitching under filter walls etc Complete					67.50 m ³ @ Rs - 4753056/-
Ref MB P.No. - (11)					
67.50 m ³ @ Rs - 4753056/-					230445/-
Item (10) Earthwork in excavation for CD work - etc Complete					
Ref MB P.No. - (12)					
26.98 m ³ @ Rs - 42709/m ³ =					11523/-
Item (11) Providing for cable duct Pipe 300 mm dia - etc Comp.					
Ref MB P.No. - (12)					
2.25 m³ @ Rs - 6044/m³ =					13537/-
2.25 m ³ @ Rs - 6044/m ³ =					13537/-
Item (12) Providing mix PCC as a levelling course in CD work etc Complete					
Ref MB P.No. - (12)					
3.90 m ³ @ Rs - 7000/m ³ =					26137/-
Item (13) Plain Cement Concrete in Substructure of CD works					
PCC - 115					
Ref MB P.No. - (12)					
18.21 m ³ @ Rs - 7000/m ³ =					127479/-
					85 - 5149981/-

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (14) Providing & laying RCC pipe NP3 600mm dia single row columns etc complete Ref MB P.No. (13) 7.50 mts @ Rs. 3758.67/mt. — Rs. — 28170/-					5149989/-
Item (15) Providing and Raising wall with Two coats of Synthetic Emulsion Paint with Primer coats etc comp. Ref MB P.No. (13) 12.48 m ² @ Rs. 137.31/mt ² — Rs. — 1714/-					
Item (16) Setting out of working bench work. Ref MB P.No. (1) 0.800 Km. @ Rs. 18645/km — Rs. — 14916/-					
Item (17) Clearing and grubbing RB land Ref MB P.No. (1) 0.36 Ha @ Rs. 19730.00/Ha — Rs. — 7175/-					
Item (18) Providing and fixing MMSY Main Board Ref MB P.No. (06) 01 Nos @ Rs. 14088.31/No. — Rs. — 14088/-					
					Rs. — 5216067/-

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (19) Providing and fixing masonry Citizen information Board - etc. work Ref No. P.No. - (06) 01 Nos @ Rs. 12287/- each - 12288/-					
Item (20) Excavation for the wall - etc. Complete Ref No. P.No. - (07) 181.30 m ³ @ Rs. 427/- m ³ - 37757/-					
Item (21) P.C.C. Mortar for the wall Structure Ref No. P.No. - (07) 33 m ³ @ Rs. 697.19/- m ³ - 228102/-					
Item (22) P.C.C. Mortar in wall structure Ref No. P.No. - (07)					

146.25 m ³ @ 1 - 6701.713/- m ³ - 980128/-				
Total				Rs. - 6814102/-
Add M. E. Cost				(+/-) 68141/-
Add 18% G.S.T				(+/-) 1226538/-
Total				808781/-
Add S. Fee Ref No.				
P. No. - (14) -				6 - 124360/-
Total				1 - 823314/-
Less C. 11% -				B (-) 9058/-
				B - 8224085/-
Less previous payment 1st due				(-) 2543635/-
Net Amount				B - 4680450/-

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