

Kumar Ram Ranjan Singh.

Ag No 18(SBD)/2021-22

Agreement No - 18(SBD)/2021-22)

N/w - Kamouditans P.e.e road to Kamouditans
Burens Maradait tola,

Agency: Ks. Ram Ranjan Singh,

Head-MHMS (SC)

Measurement Book

Schedule XLV-Form No. 134

R.w D(w) Jammu

DIVISION

Jammu

SUB-DIVISION

2936

		2nd on A/c Bill		
Name of Road:-	Kanduitantz P.C.C Road to Kanduitantz Bukar Mahadalit			
Tola	Length - 2.000 Km			
Agency:-	Kumar Ram Rajan Singh			
Att Po:-	Titlingoi P.S. Khairka of Jammu			
Ag No	18 (SBD) / 201-2022.			
Commenced Date	11.10.2021			
Date of Completion	1-10-10-2022			
Construction Cost	Rs 9 962 913.25			
Maintenance Cost	Rs 1 631 257.25			
	Rs 11 594 170.50			
Date of entry:-	12-8-2022			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		218	8.4		1145.997 M ³
6x	30.0	4.05	4.20		145.80 M ³
1x	20.0	4.45 + 4.30 + 4.05			17.06 M ³
			3		1308.857 M ³
Deduct previous	Qty (-)				1305.207 M ³
					3.650 M ³
<u>3</u>	<u>2516.2</u>				
<u>8</u>	<u>WBM</u>	ge 111			
Paving layering spreading					
2 Compacting Stone Aggregate					
of specific sizes to WBM ge 111					
10 x	4.65	+ 4.50	+ 3.75	x 0.075	3.225 M ³
			3		
20 x	3.75	x 0.75			5.625 M ³

8 x 30.0 x 3.75 x 0.075 =	67.500 M ³
2 x 15.0 x 3.90 x 0.075 =	8.775 M ³
3 x 30.0 x 3.75 x 0.075 =	25.312 M ³
2 x 15.0 x 4.063 x 0.075 =	9.141 M ³
2 x 30.0 x 3.75 x 0.075 =	16.875 M ³
2 x 15.0 x 4.06 x 0.075 =	9.135 M ³
6 x 30.0 x 3.75 x 0.075 =	50.625 M ³
2 x 15.0 x 4.05 x 0.075 =	9.112 M ³
9 x 30.0 x 3.75 x 0.075 =	75.937 M ³
1 x 10.0 x 3.75 + 4.30 + 3.75 x 0.075 =	2.850 M ³
2 x 15.0 x 4.063 x 0.075 =	9.141 M ³
2 x 15.0 x 4.06 x 0.075 =	9.135 M ³
1 x 10 x 4.60 + 4.50 + 3.75 x 0.075 =	3.212 M ³
1 x 20.0 x 3.75 x 0.075 =	5.625 M ³
Total Qty	311.225 M ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5 Tack-coat (R3-1)					
10 Providing & applying Tack-coat with bitumen emulsion on the prepared granular surface.					
Qty same as item no 4 in PMB					
4544.68 M ²					
6 Mix Seal Surfacing					
11 Providing laying & bedding of close graded premium surfacing material 18.20 mm thickness Compound 13.2 mm to 0.9 mm (Type B)					
Qty same as item no 5 in PMB					
4544.68 M ²					
7 Construction of un-reinforced plain Cement Concrete Pavement with 43 grade Cement or any other type					
2 x 15.0 x 4.063 x 0.160 = 19.502 M ³					
2 x 15.0 x 4.06 x 0.160 = 19.488 M ³					
1 x 10.0 x 4.50 + 4.40 + 3.75 x 0.60 = 6.746 M ³					
3					
20.0 x 3.75 x 0.160 = 12.0 M ³					
3 x 30.0 x 3.75 x 0.160 = 144.0 M ³					
9 x 30.0 x 3.75 x 0.160 = 162.0 M ³					
6 x 30.0 x 3.75 x 0.160 = 108.0 M ³					
Continuation					
1 x 20.0 x 4.16 + 3.90 + 3.75 x 0.160 = 12.532 M ³					
3					
484.268 M ³					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Earthwork shoulder					
(Sides of base & width in elevation)					
$2 \times 10 \times 30.0 \times 1.00 \times 0.250 =$					$150.00 M^3$
$2 \times 10 \times 30.0 \times 0.90 \times 0.250 =$					$135.00 M^3$
$2 \times 6 \times 30.0 \times 0.75 \times 0.250 =$					$60.75 M^3$
$2 \times 1 \times 20.0 \times 0.60 \times 0.175 =$					$42.00 M^3$
					<u>387.75</u>
Total $M^3 =$					$233.10 + 387.75 M^3$
					$= 620.85 M^3$
Less for Hand Shoulder					
2 Box cutting for Proposed					
P.C.C. Road				(-) $100.00 M^3$	
				$520.85 M^3$	

21					
35	Painting on parapet walls				
	Painting two coats including				
	primer coat after filling				
	the surface with synthetics				
	Enamel paint				
	Top $2 \times 2 \times 3.60 \times 0.400 =$				$5.76 M^2$
	Side $2 \times 4 \times 3.60 \times 0.600 =$				$17.28 M^2$
	Front $2 \times 4 \times 0.400 \times 0.600 =$				$1.92 M^2$
					<u>$24.96 M^2$</u>
	(Proposed)				
	12/08/2022			14/08/22	
	21			14	

2nd on A/c Bill

ABSTRACTS OF COST

22

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1- Fixing of Working					
Benchmark pillars					
Qty vide Page No 15 in P.M.B					
2 KM					
@ Rs 31499.250/KM					B 62 999.20
cleaning & grubbing Road land					
Qty vide Page No 10 in T.M.B					
0.70 Hec					
@ Rs 51137.238/Hec					B 35 796.20
Construction of Embankments					
For lead 1000 M					
Qty vide Page No 10 in T.M.B					
630.18 M ³					
@ 190.245/M ³					B 1 21731.2
4/5 For lead 100 Mtr					
Qty vide Page No 10 in P.M.B					
1401.50 M ³					
@ 148.89/M ³					B 208669.2
Construction of Subgrade & Earthen Shoulder					
Qty vide Page No 10 = 3835.52 M ³					
Qty vide Page No 21 = 520.85 M ³					
4356.37 M ³					
@ Rs 192.13/M ³					B 836989.2
Total B					1266 184.20

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		R.F.B	50.2	0.73	0.25
10		M.S.S (S-90)			
11		Aty vide Page No 18 in P.M.B			
		4544.68 M ³			
		@ B 217 = 6.87 M ³			B 9 892862
11		Construction of Un-bridged			
12		P.O.E with 43 grad Cement			
		Aty vide Page No 18 in P.M.B			
		484.268 M ³			
		@ B 6595 = 411 M ³			B 3 193946.0
12		Cable duct Across the Road			
14		P.W. & laying of R.C.C pipe			
		duct 300 mm &			
		Aty vide Page No 15 in P.M.B			
		Aty vide Page No 19 in P.M.B			60.00 M ³
		60.00 M ³			
		@ B 1597.2511 M ³			B 9585120
13		R.C.C K.M Stone			
16		Aty vide Page No 19 in P.M.B			
		3NS			
		@ 1918 = 171 cal			B 575520
14		200 M K.M Stone			
17		Aty vide Page No 19 in P.M.B			
		8NS			
		@ B 559 = 01 cal			B 447220
		TOTAL	93	10040	= 0

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B 12 B	993	227	52 W
25 Providing M-20 (P.C.C) (1:2:5)					
32 in open foundation					
Qty vide Page No 11 in P.M.B					
		5.691 M ³			
Q.B 4749 206 M ³				B	270262
26 P.C.C / R.C.C M-20 in Sub					
33 Structure					
Qty vide Page No 11 in P.M.B					
		18.32 M ²			
Q 5128 255 M ³				B	939552
27 P.V & laying R.C.C Pipe Ne 2					
34 for culvert on open					
bedding to P.C.C M-10					
Qty vide Page No 11 in P.M.B					
		15 M ³			
Q.B 3387 209 M ³				B	508062
28 Painting on parapet wall					
35 Qty vide Page No 21 in P.M.B					
		24.96 M ²			
Q 98.77 M ²				B	246526
		B	1010	652	720
Add 12% G.S.T		+B	12	1278	320
Add 1% L.C.S		+B	1	0106	520
		B	114	203	7520
Add S.P.C.C		B		781	1920
		B	114	984	94

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		A P B	114	984	9420
Less 19% as per Agreement		C B	21	847	1320
		B	93	137	8120
Less previous Payments					
vide Page no (13) in MB		C B	32	769	0020
		B	60	368	8120
clt (P) B Q. No. 12.8.21 12.8.21					
in Certified that the work has been complete					
There is no dues against the Contractor.					
Q. No. 12.8.21					

Material statement for this Bill

$$Q.W 1.25 \times 520.85 M^3 = 651.062 M^3$$

$$G.S.B 93 \text{ I } 3 = 650 M^3$$

$$53 \text{ mm to } 9.5 \text{ mm @ } 50\% = 219 M^3$$

$$O.B. 620 = 621 M^3$$

$$9.5 \text{ mm to } 2.36 \text{ mm @ } 20\% = 0.876 M^3$$

$$@ 5142581 M^3$$

$$\text{Coarse Sand} = 1.314 M^3$$

$$C 175280 M^3$$

$$W.B.M 93 \text{ III} = 568.060 M^3$$

$$33 \text{ mm to } 22.4 \text{ mm} = 687.352 M^3$$

$$@ 5112441 M^3$$

Continuation