

~~M.P.S.C~~

Rafiqat Bhadwa to Muzi Poo

Date of Commencement - 15-07-2020
Schedule XLY-Form ^{Date of Completion} No.-134 - 14-07-2021

कार्गो ऑफिस जर्नलिंग ऑफ डिवीजन - DIVISION

एकियन ऑफिस - ऑफ ऑफिस नं - SUB-DIVISION

MEASUREMENT BOOK

627

2-1 of 45 → Arvind Singh.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3rd on A/c 18511					
Name of work - Const of road					
from Ratiganj Bhadwa					
to Manipur under MMGS					
(SC) Scheme.					
Agency - Sri Arvind Singh					
Agreement No - 30 SBD/MMGS(SC)/					
2020-21					
Date of work order - 15-07-2020					
Date of completion - 14-07-2021					

Record Entry.

(1/11) p/v Laying Spreading
and Compacting WBM Gr II

$$5 \times 30.00 \times 3.75 \times 0.075 = 42.19 \text{ m}^3$$

$$3 \times 30.00 \times 3.75 \times 0.075 = 25.39 \text{ m}^3$$

$$1 \times 10.00 \times 3.75 \times 0.075 = 2.81 \text{ m}^3$$

$$2 \times 20.00 \times \frac{(8.00 + 4.50 + 3.75 - 3.75)}{3} \times 0.075 = 5.00 \text{ m}^3$$

$$3 \times 12.00 \times \frac{(3.75 + 6.00 + 3.75 - 3.75)}{3} \times 0.075 = 2.03 \text{ m}^3$$

$$77.42 \text{ m}^3$$

Suman
15/7/2022
JE

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{1}{15}$ Plv Const & Unreinforced P.C.C. Concrete Pavement M 30 grade all comp Job					
					$7 \times 30.00 \times 3.75 \times 0.160 = 126.00 \text{ m}^3$
					$4 \times 30.00 \times 3.75 \times 0.160 = 72.00 \text{ m}^3$
					$1 \times 10.00 \times 3.75 \times 0.160 = 6.00 \text{ m}^3$
					$3 \times 10.00 \times 4.25 \times 0.160 = 20.40 \text{ m}^3$
					$3 \times 10.00 \times 4.20 \times 0.160 = 20.16 \text{ m}^3$
					<u>244.56 m³</u>
Ambar 20/2/2022 J.E					
$\frac{1}{12}$ Plv and applying Primer Coat - (SS-1) —					
					$6 \times 30.00 \times 3.75 = 675.00 \text{ m}^2$
					$1 \times 20.00 \times 3.75 = 75.00 \text{ m}^2$
					$10 \times 30.00 \times 3.75 = 1125.00 \text{ m}^2$
					$12 \times 30.00 \times 3.75 = 1350.00 \text{ m}^2$
					$3 \times 30.00 \times 3.75 = 337.50 \text{ m}^2$
					$1 \times 10.00 \times 3.75 = 37.50 \text{ m}^2$
					$2 \times 15.00 \times \left(\frac{8.00 + 4.50 + 3.75}{3} \times 3.75 \right) = 50.00 \text{ m}^2$
					$3 \times 10.00 \times \left(\frac{3.75 + 5.75 + 3.75}{3} \times 3.75 \right) = 20.00 \text{ m}^2$
					<u>3670 m²</u>
$\frac{2}{13}$ Plv and applying Tack Coat (RS-1)					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
+ Same Qty of Item No (1/12) on Page (19) —					3670.60 m ²
(3/14) Plv laying and rolling of close graded Benmix					
Same Qty of Item No (1/12) on Page No (19) —					3670.60 m ²
(1/17) Plv R.C.C. MIS grade KM Stone —					3 Nos
(2/18) Plv R.C.C. MIS grade 200m Stone —					5 Nos
(3/19) Plv and fixing MM 40 Y informationary sign board —					4 Nos
(4/22) Plv and fixing 600mm equilateral triangle — T/S					12 Nos
(5/23) Plv and fixing 600mm Circular — T/S —					02 Nos

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6) Plv and fixing 800mm 24 x 600mm rectangular - 10 Nos					
(7) Plv and fixing 600mm x 450mm rectangular - 6 Nos					
(8) Plv and fixing 900mm octagon - 4 Nos					
(9) Plv and laying hot applied thermoplastic					
2 x 6 x 30.00 x 0.100 =					36.00 m ²
2 x 1 x 20.00 x 0.100 =					4.00 m ²
2 x 10 x 30.00 x 0.100 =					60.00 m ²
2 x 12 x 30.00 x 0.100 =					72.00 m ²
2 x 3 x 30.00 x 0.100 =					18.00 m ²
2 x 1 x 10.00 x 0.100 =					2.00 m ²
					192.00 m ²
(10) Plv and laying hot applied thermoplastic					
2 x 13 x 30.00 x 0.100 =					78.00 m ²
2 x 1 x 10.00 x 0.100 =					2.00 m ²
					80.00 m ²

Continuation

Sch. XLV-Form No. 15					
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Plv const. benchmark with approved Maline					
ch	Area	Mean Area	Dist.	volume.	
0.00	3.618	-	-	-	
50.00	6.580	5.049	50	254.950 m ³	
100.00	6.757	6.669	50	333.425 m ³	
150.00	6.026	6.392	50	319.575 m ³	
200.00	3.717	4.872	50	243.0575 m ³	
250.00	2.965	3.341	50	167.050 m ³	
300.00	4.944	3.955	50	197.725 m ³	
350.00	3.821	4.383	50	219.125 m ³	
400.00	2.474	3.148	50	157.375 m ³	
450.00	4.431	3.453	50	172.625 m ³	
500.00	3.219	3.840	50	192.000 m ³	
550.00	4.364	3.807	50	190.325 m ³	
600.00	4.794	4.579	50	228.950 m ³	
650.00	5.376	5.085	50	254.250 m ³	
700.00	7.496	6.431	50	321.550 m ³	
750.00	5.989	6.738	50	336.875 m ³	
800.00	7.950	6.970	50	348.475 m ³	
850.00	8.442	8.196	50	409.800 m ³	
900.00	6.860	7.651	50	382.550 m ³	
950.00	7.062	6.961	50	348.050 m ³	
1000.00	5.936	6.499	50	324.950 m ³	
1050.00	6.194	6.065	50	303.250 m ³	
1100.00	5.176	5.685	50	284.250 m ³	
1150.00	7.020	6.098	50	304.900 m ³	
1200.00	6.439	6.730	50	336.475 m ³	
1250.00	5.671	6.055	50	302.750 m ³	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1300.00	4.499	5.085	50		254.250
1360.00	6164	5.332	60		319.890
					7508.965 m ³
<u>Deduction</u>					
Shoulder	—				714.00 m ³
G.S.B	—				591.19 m ³
W.B.M Grout	—				386.79 m ³
P.C.C Pavement	—				244.56 m ³
					1936.54 m ³
<u>Net Qty</u>					
					7508.965 - 1936.54
					= 5572.425 m ³

Lead up to 100m length	—				1734
5572.425 x 32%					1783.17 m ³
Limit					1734.25 m ³

(2/5) Plv const of embankment					
Lead 100m length					
5572.425 x 68%					3789.24 m ³
Limit					3746.87 m ³

(3/5) Plv and laying R.C.C. pipe N.P. 3					
8 x 2 x 2.50 m					40.00 m

(4/5) Plv painting two coat parapet					
5 x 2 x 6.150 x 0.40					24.60 m ²
5 x 4 x 6.150 x 0.60					73.80 m ²
5 x 4 x 0.40 x 0.60					4.80 m ²
					103.20 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{4}{36}$ p/v Dismantling existing Concrete Structure $2 \times 3.50 \times 1.54 \times 0.15 = 1.62 \text{ m}^3$					
$\frac{5}{37}$ Dismantling of existing brick structure $2 \times 2 \times 6.20 \times 0.825 \times 3.10 = 61.38 \text{ m}^3$					
$\frac{6}{38}$ Removing of Hum pipe $2 \times 2 \times 2.50 \text{ m} = 10.10 \text{ m}$					
Annex 28/3/2022 J.E					

Material Statement

Earthwork -	633.12 m ³
Stone Metal -	93.68 m ³
SC Material	18.58 m ³
Emulsion (SS-1) =	3.419 MT
Emulsion (PS-1) -	1.009 MT
Bitumen (S-90) -	6.973 MT
Stone chips -	99.09 m ³
Stone Aggregate -	220.10 m ³
Sand -	110.05 m ³

~~Annex~~
~~28/3/2022~~
~~J.E~~

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract of cost</u>					
(1) Plv and fixing of Working Bench mark - 2 Nos vide TMB Page (14)					
@ Rs 3996 = 46/each - Rs 7993 = w					
(2) Plv and fixing of reference Pillar 5 Nos vide TMB Page (14)					
@ Rs 1813 = 34/each - Rs 9067 = w					
(3) Plv clearing and grubbing road Land. 0.95 Hect vide TMB Page (14)					
@ Rs 51133 = 76/Hect - Rs 48577 = w					
(4) Plv excavation for roadway cutting 125.80 m ³ vide Page No (14)					
@ Rs 74 = 16/m ³ - Rs 9325 = w					
(5) Plv const of embankment lead up to 100m length 3746.87 m ³ vide TMB Page (23)					
@ Rs 131 = 03/m ³ - Rs 490952 = w					
(6) Plv const of embankment lead 1000m length 1734.25 m ³ vide TMB Page (23)					
@ Rs 174 = 94/m ³ - Rs 303390 = w					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7 8 Plv const of Subgrade and earthen shoulder - 562.00 m ³ vide TMB Page (14)					
@ Rs 141.17/m ³ — Rs 79337=10					
8 9 Plv const of Subgrade and earthen shoulder - 152.00 m ³ vide TMB Page (14)					
@ Rs 176.58/m ³ — Rs 26890=10					
9 10 Plv const of G.S.B. 542.59 m ³ vide TMB Page (14) 48.60 m ³ vide TMB Page (14) 591.19 m ³					
@ Rs 2495.07/m ³ — Rs 1475060=10					
10 11 Plv laying & spreading Compacting WBM III 309.37 m ³ vide TMB Page (14) 77.42 m ³ vide TMB Page (18) 386.79 m ³					
@ Rs 3383.12/m ³ — Rs 1308557=10					
11 12 Plv and laying Primer Coat (SS-1) - 3670.00 m ² vide Page (19)					
@ Rs 44.84/m ² — Rs 164563=10					
12 13 Plv and applying tack Coat (RS-1) 3670.00 m ² vide TMB Page (20)					
@ Rs 15.25/m ² — Rs 55968=10					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) 14) Plv Laying and rolling of close graded Benix 3670.10 m ² vide TMB Page (20) @ Rs 1918 = 94/m ² — Rs 730110 = W					
(14) 15) Plv const of P.C.C. Pavement m3 grade 244.56 m ³ vide TMB Page (19) @ Rs 6096 = 47/m ³ — Rs 1490953 = W					
(15) 17) Plv and fixing KM Stone 3 Nos vide TMB Page (20) @ Rs 2033 = 28/each — Rs 6100 = W					
(16) 18) Plv and fixing 200mm Stone 5 Nos vide TMB Page (20) @ Rs 560 = 12/each — Rs 2801 = W					
(17) 19) Plv and fixing MMGSY Informational Sign Board 4 Nos vide TMB Page (20) @ Rs 9259 = 60/each — Rs 37038 = W					
(18) 22) Plv 600mm Triangle 12 Nos vide TMB Page (20) @ Rs 3685 = 08/each — Rs 44221 = W					
(19) 23) Plv 600mm Circular 2 Nos vide TMB Page (20) @ Rs 4956 = 99/each — Rs 9914 = W					
(20) 24) Plv 800mm x 600mm rectangular 10 Nos vide TMB Page (21) @ Rs 6929 = 97/each — Rs 69300 = W					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(21) P.V. 600mm x 450mm 28 Rectangular — 6 Nos vide TMB Page (21) @ Rs 1826 = 80/each — Rs 2896 = 10					
(22) P.V. 900mm Octagon 26 4 Nos vide Page (21) @ Rs 8852 = 87/each — Rs 35412 = 10					
(23) P.V. and laying not 27 applied thermoplastic 192.40 m ² vide TMB Page (21) @ Rs 735 = 44/m ² — Rs 141204 = 10					
(24) P.V. and applying 28 not applied thermo plastic 80.40 m ² vide TMB Page (21) @ Rs 821 = 29/m ² — Rs 65703 = 10					
(25) P.V. earthwork excavation 31 for foundation 148.95 m ³ vide TMB Page (14) @ Rs 269 = 32/m ³ — Rs 40115 = 10					
(26) P.V. RCC 415 mm 32 levelling course — 22.90 m ³ vide TMB Page (15) @ Rs 4842 = 57/m ³ — Rs 110895 = 10					
(27) P.V. RCC/Plain M20 33 grade in substructure 168.70 m ³ vide TMB Page (15) @ Rs 5572 = 08/m ³ — Rs 943384 = 10					

Continuation

Scanned with CamScanner

Continuation