

MB.ND.B-BRBD-17 CHAPRA-2
(NO OF ROAD-10)

MB.ND
3096

अनपल प्रदान मया सदक से अनपल प्रदान प्रियमो
होते हुये।

DR. P. V. D.

एकरा नगमा सं० - 285BD/18-19

Division

सर्वदक का नाम - सैदीर कुमार

S.D. Division

अबोलप्रभु

जालेगप्रभु

W. G. M. D. D. D.

MB.NO- 3096

1st on A/c bill

Name of work -

Location of work

Agency by which work is executed

Date of measurement -

and date of agreement

These bills should be appended to the certificate
and of the measurements relating to each work.

Particulars	Details of measurement				Contents charges
	No	L	B	D	

N/W:- Construction of road
8 c/d works from Anwal
Pradhamanthi to Anwal
Bara - Anamliyanogawn
note buys for under
MMSY (NDR) at block
Jabalpur.

N/Agency - Sri Sandeep Kumar

Agg. NO - 28/SB/D/2018-19

Date of Start - 11.10.2018

Date of Completion - 10.10.2019

Date of measurement - 28.07.2021

Items of works.

(1) PIV & fixing of benchmark
pillars - 01 NO

(2) PIV & fixing of reference
pillars - 04 NOS.

(3) clearing & grubbing of
road lands.

$$2 \times 10 \times 30.0 \text{ m} \times 1.750 \text{ m} = 1050.0 \text{ m}^2$$

$$2 \times 10 \times 30.0 \text{ m} \times 1.750 \text{ m} = 1050.0 \text{ m}^2$$

$$2 \times 8 \times 30.0 \text{ m} \times 1.750 \text{ m} = 840.0 \text{ m}^2$$

$$2 \times 1 \times 20.0 \text{ m} \times 1.750 \text{ m} = 70.0 \text{ m}^2$$

$$\text{Total} = 3010.0 \text{ m}^2$$

$$= 0.301 \text{ Hect.}$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(4) Box cutting - Excavation for roadway in soil -					
for flexible pavement -					
2x	10	30.00m	0.525m	0.10m	31.50m ³
2x	10	30.00m	0.525m	0.10m	31.50m ³
For rigid pavement -					
2x	8	30.00m	0.375m	0.10m	18.00m ³
2x	1	20.00m	0.375m	0.10m	1.50m ³
2x	1	10.00m	0.30m	0.10m	0.60m ³
Total =					83.10m ³

(5) Construction of embankment with material obtained from borrow pits with a lead upto 100m & 100m -

Sl. No	chainage	Area	Area	Dist	volume
	(m)	(m ²)	(m ²)	(m)	(m ³)
1	0	1.105	0.552	0	0.00
2	50	1.052	1.078	50	53.90
3	100	1.204	1.128	50	56.40
4	150	1.116	1.160	50	58.00
5	200	1.024	1.070	50	53.50
6	250	0.956	0.990	50	49.50
7	300	0.925	0.940	50	47.00
8	350	0.886	0.905	50	45.25
9	400	0.920	0.903	50	45.15
10	450	0.984	0.952	50	47.60
11	500	1.025	1.004	50	50.20
12	550	1.012	1.018	50	50.90
13	600	0.978	0.975	50	49.75

Continuation

Qty 40 = 607.15 m³

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D	
S/no change	C/S Area	Mean C/S	Dist		Volume
	(m)	(m ²)	(m)		(m ³)
			Qty B/P =		607.15 m ³
14	650	0.956	0.967	50	48.35 m ³
15	700	0.835	0.895	50	44.75 m ³
16	750	0.846	0.840	50	42.00 m ³
17	800	0.765	0.805	50	40.25 m ³
18	850	0.720	0.742	50	37.10 m ³
19	885	0.524	0.622	35	21.77 m ³
			Total =		841.37 m ³
(i) with a lead up to					
	1000 m = 70% of 841.37 m ³				
	= 588.96 m ³				
(ii) with a lead up to					
	1000 m lead = 30% of 841.37 m ³				
	= 252.41 m ³				
6) construction of granula					
Subbase by providing well					
graded material.					
For flexible pavement.					
In box cutting -					
2x	10 x 30.10 m	x 0.525 m	x 0.10 m	=	31.50 m ³
2x	10 x 30.10 m	x 0.525 m	x 0.10 m	=	31.50 m ³
In profile correction.					
4x	3.80 m	x 2.50 m	x 0.10 m	=	3.80 m ³
6x	3.10 m	x 3.10 m	x 0.10 m	=	5.40 m ³
In full width -					
10x	30.10 m	x 4.050 m	x 0.10 m	=	121.50 m ³
10x	30.10 m	x 4.050 m	x 0.10 m	=	121.50 m ³
			Qty c/o =		315.20 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					Qty B/F = 315.20 m ²
Extra width at H-curve					
					2 x 5.60 m x 0.550 m x 0.10 m = 0.61 m ²
					2 x 2.00 m x 3.00 m x 0.10 m = 1.20 m ²
For Right Pavement					
gn box cutting					
					2 x 8 x 30.00 m x 0.375 m x 0.10 m = 18.00 m ²
					2 x 1 x 20.00 m x 0.375 m x 0.10 m = 1.50 m ²
					2 x 1 x 10.00 m x 0.300 m x 0.10 m = 0.60 m ²
gn profile correction					
					3 x 4.00 m x 3.00 m x 0.10 m = 3.60 m ²
					4 x 3.50 m x 1.10 m x 0.10 m = 1.54 m ²
Extra width at H-curve					
					2 x 5.50 m x 0.450 m x 0.10 m = 0.49 m ²
					Total = 342.74 m ²
7) P.V. Laying, Spreading					
8 Compacting of WBM-3					
For Flexible Pavement					
					1 x 10 x 30.00 m x 3.75 m x 0.075 m = 84.37 m ²
					1 x 10 x 30.00 m x 3.75 m x 0.075 m = 84.37 m ²
Extra width at H-curve					
					2 x 5.60 m x 0.550 m x 0.075 m = 0.46 m ²
					2 x 2.00 m x 3.00 m x 0.075 m = 0.90 m ²
For rigid pavement					
					1 x 8 x 30.00 m x 3.75 m x 0.075 m = 67.50 m ²
					1 x 1 x 20.00 m x 3.75 m x 0.075 m = 5.62 m ²
					1 x 1 x 10.00 m x 3.60 m x 0.075 m = 2.70 m ²
					1 x 1 x 20.00 m x 2.30 m x 0.075 = 3.45 m ²
Extra width at H-curve					
					1 x 2 x 5.50 m x 0.450 m x 0.075 = 0.37 m ²
					Total = 249.74 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			81 ft. 13		11,101 = 0
<u>3</u> 5 Cleaning & grubbing of road bed.					
0.301 Haul, vide TMAP-1					
			@ Rs 48772 = 70/Haul		14,681 = 0
<u>4</u> 4 Box culding - Excavation for roadway in soil.					
83.10 m ³ , vide TMAP-2					
			@ Rs 77.65/m ³ - Rs		6453 = 0
<u>5(i)</u> 5 Construction of embankment with a lead					
Up to 100m,					
252.41 m ³ , vide TMAP-3					
			@ Rs 134 = 82/m ³ - Rs		34,030 = 0
<u>5(ii)</u> 6 Construction of embankment with a lead					
Up to 100m,					
588.96 m ³ , vide TMAP-3					
			@ Rs 155 = 64/m ³ - Rs		91,666 = 0
<u>6</u> 8 Construction of granula.					
Sub base by providing well graded material.					
342.74 m ³ , vide TMAP-4					
			@ Rs 2853 = 18/m ³ - Rs		9,77,899 = 0
<u>7</u> 9 Plr, Leaping, Spreading & Compacting of WBM					
249.74 m ³ , vide TMAP-4					
			@ Rs 3878 = 10/m ³ - Rs		9,68,517 = 0
			e/p. Rs		21,04,847 = 0

Continuation

