

PAWGSY/NEH.S.C

PA.13.NO-3217

N.H.101 સે રામપુર ને નગર તક વગર

દરખાસ્ત નં. 63/SBD/2019-20

Measurement Book

Schedule XLV-Form No. 134

સંવદ્ધકો દ્વારા કરવામાં આવેલ

DIVISION

સાંચીક કમાર પાલિકા

SUB-DIVISION

સાંચીક

PA.13.NO-3217

1st on A/c bill

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Name of Work -
 Situation of work -
 Agency by which work is executed -
 Date of measurement -
 No. and date of agreement -
 (These four lines should be repeated at the commencement of the measurements relating to each work).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W:- Construction of Road & C/D Works from NH-101 to Rambur Near Hages under mmgsy (sc) at block Jalalpur					
N/Agency - Dipu Construction.					
Agg. No - 63/SBD/2019-20					
Date of start - 15.10.2019					
Date of completion - 14.10.2020					
Date of measurement - 12.09.2020					
Items of works.					
① PIV & fixing of working Benchmark pillars - 02 NOS					
② PIV & fixing of reference pillars - 04 NOS					
③ clearing & grubbing of road level.					
2x 33x30.00 m x 3.00 m = 5960.00					
2x 1x10.00 m x 3.00 m = 60.00					
Total = 6020.00					
= 0.602 Hect					
④ Box cutting - excavation for road ways in soil using manual means -					

P.T.O

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2x19x30.00m x 0.375m x 0.100m = 42.75m ³					
⑤ Construction of embankment with material obtained from borrow pits with a lead upto 1000 m & 100m.					
Sl. No	chainage (m)	cls Area (m ²)	Mean cls Area (m ²)	Dist. (m)	Volume m ³
1	0	2.190	1.095	0	0.00
2	50	2.105	2.147	50	107.35
3	100	2.214	2.159	50	107.95
4	150	2.012	2.113	50	105.65
5	200	1.986	1.999	50	99.95
6	250	1.865	1.925	50	96.25
7	300	1.926	1.875	50	94.75
8	350	2.108	2.012	50	100.60
9	400	2.205	2.156	50	107.80
10	450	2.106	2.155	50	107.75
11	500	1.812	1.959	50	97.95
12	550	1.926	1.869	50	93.45
13	600	1.750	1.838	50	91.90
14	650	1.872	1.811	50	90.55
15	700	1.964	1.918	50	95.90
16	750	2.012	1.988	50	99.40
17	800	2.125	2.068	50	103.40
18	850	2.165	2.145	50	107.25
19	900	2.204	2.184	50	109.20
20	950	2.312	2.258	50	112.90
21	1000	2.175	2.243	50	112.15
Continuation of table 10. = 2042.10m ³					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			87y B/F =		2042.10m ²
				/	
			Total =		2042.10m ²
(a) with a lead up to 1000m					
= 40% of 2042.10m ²					816.84m ²
(b) with a lead up to 100m					
= 60% of 2042.10m ²					1225.26m ²
(6) Construction of granular					
sub-base by providing					
coarse graded material					
For c.c. pavement -					
on box cutting -					
For { 2x19x20.10m x 0.375m x 0.10m = 42.75m ³					
For profile correction -					
6x3.70m x 2.50m x 0.10m = 5.55m ³					
4x4.20m x 2.10m x 0.10m = 3.52m ³					
4x3.60m x 2.70m x 0.10m = 3.24m ³					
4x2.70m x 2.50m x 0.10m = 2.70m ³					
Extra widening of H-curve					
2x4.80m x 0.80m x 0.10m = 0.76m ³					
2x5.20m x 0.60m x 0.10m = 0.62m ³					
4x6.20m x 0.580m x 0.10m = 1.43m ³					
2x6.60m x 0.550m x 0.10m = 0.66m ³					
Total = 61.23m ³					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) P.V. Laying spreading & compacting of WBM-3					
For e.c. Pavement					
Qty $19 \times 30.00m \times 3.75m \times 0.075m = 160.31m^3$					
For extra widening at H-curve.					
$2 \times 4.80m \times 0.80m \times 0.100m = 0.57m^3$					
$2 \times 5.20m \times 0.60m \times 0.075m = 0.46m^3$					
$4 \times 6.20m \times 0.580m \times 0.075m = 1.07m^3$					
$2 \times 6.00m \times 0.550m \times 0.075m = 0.49m^3$					
Total =					162.90m ³
(8) Construction of 12-reinforced plain circular concrete					
as per technical specifications					
Qty $19 \times 30.00m \times 3.75m \times 0.160m = 342.00m^3$					
Extra widening at H-curve.					
$2 \times 4.80m \times 0.80m \times 0.160m = 1.22m^3$					
$2 \times 5.20m \times 0.60m \times 0.160m = 0.99m^3$					
$4 \times 6.20m \times 0.580m \times 0.160m = 2.30m^3$					
$2 \times 6.00m \times 0.550m \times 0.160m = 1.05m^3$					
Total =					347.56m ³
(9) P.V. & fixing of typical man 554 in formwork					
Qty sign board with legs = 0.2 No					
(10) Earthwork in excavation for foundation of structure.					
(Hume pipe culvert - 1x600mm - 0.2 No)					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
H. wall,					
2x 2x 3.90m x 1.150m x 1.500m = 26.91m ²					
Below pipe					
2x 1x 5.350m x 1.130m x 0.365m = 4.41m ²					
					Total = 31.32m ²
(11) providing MIS (PCC 1:2:5) as levelling course in foundation,					
H. wall,					
2x 2x 3.90m x 1.150m x 0.150m = 2.69m ²					
Below pipe					
2x 1x 5.310m x 1.130m x 0.250m = 3.00m ²					
					Total = 5.69m ²
(12) Brick masonry work in c.m (1:4) in					
H. wall,					
2x 2x 3.60m x $\frac{1.60m + 0.40m}{2}$ x 2.180m = 21.97m ²					
Parapet,					
2x 2x 3.60m x 0.400m x 1.200m = 6.91m ²					
Less for pipe					
2x 2x 0.7857 x (0.830) ² x 0.530m x (-) 1.148					
					Total = 27.732m ²
(13) Plv & levelling Recd pipe HD3 of dia 800mm,					
2x 3x 2.50m = 15.00m					

Continuation

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Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract of Cost</u>					
<u>1. Plv & fixing of working Benchmarks pillars.</u>					
02 Nos vide TMBP-1					
(a) Rs 3783-38/No — Rs					7567=00
<u>2 Plv & fixing of reference pillars.</u>					
04 Nos. vide TMBP-1					
(a) Rs 1736-76/No — Rs					6947=00
<u>3. clearing & grubbing of road land.</u>					
0.602 Hect, vide TMBP-1					
(a) Rs 49174=86/Hect — Rs					29,603=00
<u>4. Box cutting — excavation for roadway in soil using manual means</u>					
42.75 m ² , vide TMBP-2					
(a) Rs 75=43/m ² — Rs					3225=00
<u>5(a) Construction of earbank — met with a lead upto 1000m.</u>					
816.84 m ³ , vide TMBP-3					
(a) Rs 179=38/m ³ — Rs					1,46,525=00
C/O, Rs					1,93,867=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F.	Rs	1,93,867.00
5(b) 6 Construction of embankment - met with a level upto 100 m.					
1225.26 m ³ , vide TMBP-3					
(10) Rs 150 = 70/m ³ - Rs					1,84,647.00
6 13. construction of granule sub-base by providing coarse graded material.					
61.23 m ³ , vide TMBP-3					
(10) Rs 2714.21/m ³ - Rs					1,66,191.00
7 14 P.V. Laying, spreading & Compacting of WBM-3					
162.90 m ³ , vide TMBP-4					
(10) Rs 3955 = 27/m ³ - Rs					6,44,313.00
8 15 construction of un-rein forced plain cement concrete pavement as per technical specification.					
347.56 m ³ , vide TMBP-4					
(10) Rs 7754 = 03/m ³ - Rs					26,94,991.00
				c/o Rs	38,84,009.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BIF. Rs	38,84,009=00
<u>9</u> <u>27</u> Plv & fixing of typical masonry in foundation					
Sign board with legs					
02 Nos. vide TMBP-4					
(u) Rs 9916=67/No - Rs					19,833=00
<u>10</u> <u>28</u> Earthwork in excavation for foundation of structure					
(H.P. cut & fill - 1x600m - 0249)					
31.32 m ³ , vide TMBP-5					
(u) Rs 258=89/m ³ - Rs					8,108=00 8,108=00
					mk
<u>11</u> <u>29</u> Plv & PCC MIS (1:2:5) as leveling course in foundation					
5.69 m ³ , vide TMBP-5					
(u) Rs 5373=77/m ³ - Rs					30,577=00
<u>12</u> <u>30</u> Brick masonry work in c.m (1:4) m & wall					
27.732 m ³ , vide TMBP-5					
(u) Rs 5847=00/m ³ - Rs					1,62,149=00
<u>13</u> <u>31</u> Plv & Laying RCC pipe HPB of dia 600 mm.					
15.00 m, vide TMBP-5					
(u) Rs 4113=25/m - Rs					61,699=00
				c/o. Rs	41,66,375=00

Continuation

Continuation