

01 (SBD) / 2020-21

ANIL MAHDAL

Ag No. 01 (SBD) / 2020-21

Consistⁿ of ad. from Kalkanda Garjha Puro
has number Chandra to dhara to be - Narti Neta

MMGSY.

Head-MHHSY (SC)

Measurement Book

Schedule XLV-Form No. 134

R. W. D (W) J q m u i

DIVISION

Laxmi Pur.

SUB-DIVISION

MB No - 2678

(MMSY)

Name of Work - Thejha PWD Larumba Chowk to
Situation of work Dhawate: Nakti Nahar

Date of measurement -

No. and date of agreement - 01 (SAP) / 2020-21
16.6.2020

(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.	
① Pruning & felling of Bench mark & eucalyptus feller - do - all complete as per E/O.	46x	30.00 =	1380		
	1x	20.00 =	20		
	16x	30.00 =	480		
	1x	20.00 =	20		
			1900.00		= 1.90 ha
② Clearing & grubbing of road land - do - all complete as per E/O.	1x	1900.00 x 3.50 m =	6650.00 m ²		
		6650/10000	=	0.665	hectare
③ E/W in rd. way cutting in box cutting - do - all complete job.	2x	1300.00 x 5.25 x 0.10 =	136.50 m ³		
④ Construction of embankment with excavated soil in Road way cutting.	60% of	136.50 m	=	81.90 m ³	
⑤ Excavation of rd. way work disposal to 100cm do - all complete.					
Qty. with item ③					= 136.50

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No. of lines	L. line	B. line	D. line	
(EARTH WORK QUANTITY SHEET)					
	Chaining	Area	Mean Area	Dist. in feet	Volume.
1.	0	0.780	-	-	-
2.	50	1.050	0.915	50	45.750
3.	100	2.050	1.530	50	77.50
4.	200	0.450	1.250	100	125.00
5.	300	0.630	0.540	100	54.00
6.	400	0.650	0.640	100	64.00
7.	500	0.610 0.450	0.630	100	63.00
8.	600	0.650	0.630	100	63.00
9.	700	0.450	0.550	100	55.00
10.	800	0.660	0.555	100	55.50

11.	900	0.850	0.755	100	75.50
12.	1000	0.890	0.870	100	87.00
13.	1100	0.650	0.770 0.630	100	77.00
14.	1200	0.610	0.665	100	
15.	1300	0.720	0.695	100	66.50
16.	1400	0.670	0.695	100	69.50
17.	50	0.500	0.585	50	0.50
18.	100	0.720	0.610	100	61.00
19.	200	1.050	0.885	100	28.50
20.	300	0.820	0.935	100	93.50
21.	400	1.280	1.050	100	105.00
22.	500	1.150	1.215	100	121.50
					1510.750

(i) for 1000m lead 15 10.75 x 12.3% = 188.84 M3

(ii) for 100M lead 1510.75 x 8.75% = 1321.91

Continuation

- (ii) 93

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6/7) Construction of embankment with materials obtained from borrow pits do - all complete.					
for 1000 m lead. Qty. wide TMB @ 2% $\frac{1}{2}$ = 193.84 m ³					
(7/8) Construction of embankment with materials obtained from borrow pits do - all complete.					
for 1000 m lead. Qty. wide TMB @ 2% $\frac{1}{2}$ = 1321.94 m ³					
(8/11) GSB-gravel: Construction of GSB Gravel in Sub-base by providing well graded material 5 - 100					
do - all complete.					
14 x 10.0 x 3.0 x 0.10 = 42.00					
2 x 1300.0 x 0.52 x 0.10 = 136.50					
1 x 1300.0 x 4.05 x 0.10 = 526.50					
					705.04 m ³
(9/16) GSB-gravel: Construction of granular sub-base by providing well graded material					
do - all complete.					
1 x 600.0 x 3.75 x 0.10 = 225.00					
					m ³
(10/19) Provision of Laying of R.C.C. 300 mm ϕ of corrugated pipe - do - all complete.					
8 x 3 x 2.50 = 60.00 m					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
H.P. Culvert (3 no.)					
of 600 mm dia (2 change)					
1-80cm, 2-110cm & 3-165cm)					
(11/34) E/w in excavation in field					
H/w -	3x2	3.90x1.15	1.50		= 40.37
Below pipe -	3x1	5.35x1.15	0.365		= 6.62
					46.9943
(12/35) Provision of PCC - M-15					
in open foundation					
do - all complete.					
H/w	3x2	3.90x1.15	0.15		= 4.04
Below pipe	3x1	5.31x1.15	0.25		= 4.50
					8.54

(13/36) Plain Reinforced Concrete					
Concrete M-20 in					
Reinforced Substructure					
do - all complete					
H/w	3x2	3.60x1.40	2.78		= 42.03
Ramp	3x2	3.60x0.40	0.60		= 5.18
					47.2143
Less for pipe	3x2	40.7857x(0.83)	0.35		= 1.72
					45.4943

(14/37) Provision of Layer PCC H.P.					
of 600 mm dia H.P.					
3x3	2.50				= 22.50

7/8/20
JE

Continuation

7/8/20
RE

ABSTRACT OF COST.

(1st page)

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) <u>Drainage & laying of</u> <u>Drain Pipes & laying</u> <u>putter</u> <u>city wide T.M.B. Page (1)</u>					
1.7044 C.R. 33170.32 / M ² = B					63024.00
(2) <u>Clearing & grubbing of</u> <u>road land.</u> <u>city wide T.M.B. Page (1)</u>					
0.6664 C.R. 51133.76 / M ² = B					34004.00
(3) <u>Excavation in rd. work</u> <u>city wide T.M.B. Page (1)</u>					
136.52 M ² C.R. 126.24 / M ² = B					17232.00
(4) <u>Construction of curb and</u> <u>city wide T.M.B. Page (1)</u>					
81.90 M ² C.R. 29.57 / M ² = B					2422.00
(5) <u>E/W in road work</u> <u>city wide T.M.B. Page (1)</u>					
136.50 M ² C.R. 74.16 / M ² = B					10123.00
(6) <u>Construction of curb</u> <u>and kerb.</u> <u>city wide T.M.B. Page (3)</u>					
188.84 M ² C.R. 175.22 / M ² = B					33089.00
(7) <u>Construction of curb</u> <u>and kerb.</u> <u>city wide T.M.B. Page (3)</u>					
1321.91 M ² C.R. 135.12 / M ² = B					178616.00
					335510.00

Continuation

(C.O.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) 11 Group 1: Constructed of GSP					
Ody. note TMB Page 2					
705.00 m ² (P) 1817.09 m ² - 8					1281048
(9) 10 Group 2: Constructed of GSP					
Ody. note TMB Page 2					
225.00 m ² (P) 1817.09 m ² - 8					458845
(10) 17 Boundary & Land Rec - Room boundary					
Ody. note TMB Page 2					
60.00 m ² (P) 1590.77 m ² - 8					95446
(11) 30 Elevation in elevation in P					
Ody. note TMB Page 2					
46.99 m ² (P) 294.72 m ² - 8					13849
(12) 35 Boundary Rec - in 15 in. P					
Ody. note TMB Page 2					
8.54 m ² (P) 5067.24 m ² - 8					43274
(13) 36 Plain Rec in Sub structure					
Ody. note TMB Page 2					
45.49 m ² (P) 6221.71 m ² - 8					283026
(14) 37 Boundary & Land in P					
Ody. note TMB Page 2					
22.50 m ² (P) 3469.68 m ² - 8					7768
				P	2538616

Continuation

(C.O.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Less 10% as per agreement					25386220
				R	228475420
Add 12% GST				H R	27417020
Add 1% Labour Cost				H B	2284820
Cumulative				B	258177220
7/8/20					
JE					
Material statement					

$$+ E/W \text{ of } (1510 - 75 + 130.50) \times 1.25^2$$

$$= 1647.25 \text{ m}^3 \quad 205942$$

- Stone material in 788 m³ 563 m³ 3516.42 m³
- Crushed 225 m³ 411.33 m³
- Crushed Sand - 338 m³ 150.80 m³
- Stone Chips - 49 m³ 528.14 m³

- Coarse Sand - 25 m³ 150.80 m³

7/8/20
JE

7/8/20
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