

પ્રમુખ મંત્રીશ્રી શ્રી સુબેન્દ્રકિશોર

પી.બી.નં. 3445

Schedule XLV-Form No. 134

ગાંધીધામ-પ્રમુખ મંત્રીશ્રી ગાંધીધામ પ્રમુખ મંત્રીશ્રી સુબેન્દ્રકિશોર

પ્રમુખ મંત્રીશ્રી સુબેન્દ્રકિશોર 14/5/2024-22

DIVISION

પ્રમુખ મંત્રીશ્રી સુબેન્દ્રકિશોર સુબેન્દ્રકિશોર

SUB-DIVISION

ગાંધીધામ

MEASUREMENT BOOK

પી.બી.નં. 3445

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W:-	Construction of road from				
	Bardila Jalalpur path				
	to Khorodih Harijan talu				
	taluk under mmcsy (sc)				
	at block Jalalpur.				
N/ Agency—	Sri Rambabu Kumar				
Agg. No—	14/SBD/2021-22				
Date of start—	11.09.2021				
Date of completion—	10.06.2022				

Date of measurement—25.02.2022

Items of work

① Plv & fixing of working
 Benchmark pillar = 0.755 cu

② clearing & grubbing of
 road level —

$$2 \times 10 \times 30.00 \text{ m} \times 1.00 \text{ m} = 600.00 \text{ m}^2$$

$$2 \times 10 \times 30.00 \text{ m} \times 1.00 \text{ m} = 600.00 \text{ m}^2$$

$$2 \times 5 \times 30.00 \text{ m} \times 1.00 \text{ m} = 300.00 \text{ m}^2$$

$$2 \times 1 \times 5.00 \text{ m} \times 1.00 \text{ m} = 10.00 \text{ m}^2$$

$$\text{Total} = 1510.00 \text{ m}^2$$

$$= 0.15 \text{ Hect}$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ Box cutting - Excavation for roadway in soil using manual means.					
2x	30.00 m	0.375 m	0.10 m		$2.25 m^3$
2x	10.00 m	0.300 m	0.10 m		$0.60 m^3$
2x	2x 30.00 m	0.375 m	0.10 m		$4.50 m^3$
2x	17.00 m	0.375 m	0.10 m		$1.27 m^3$
2x	20.00 m	0.300 m	0.10 m		$1.20 m^3$
2x	10.00 m	0.10 m	0.10 m		$0.20 m^3$
2x	2x 30.00 m	0.375 m	0.10 m		$4.50 m^3$
2x	5.00 m	0.375 m	0.10 m		$0.37 m^3$
2x	30.00 m	0.225 m	0.10 m		$1.35 m^3$
2x	11.00 m	0.225 m	0.10 m		$0.49 m^3$
2x	10.00 m	0.10 m	0.10 m		$0.20 m^3$
2x	20.00 m	0.250 m	0.10 m		$1.00 m^3$
2x	5x 30.00 m	0.375 m	0.10 m		$11.25 m^3$
2x	2x 30.00 m	0.10 m	0.10 m		$1.20 m^3$
2x	20.00 m	0.250 m	0.10 m		$1.00 m^3$
Total =					$31.38 m^3$
④ Construction of embankment with material obtained from roadway cutting					
Net Qty = 60% of excavated material.					
					$= 60\% \text{ of } 31.38 m^3$
					$= 18.82 m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) Construction of curb and channel with material obtained from borrow pits with 9 lead upto 100m & 100m.					
2x	5x30.00m	x	1.00m	x	0.60m = 180.00m ³
2x	5x30.00m	x	1.00m	x	0.60m = 180.00m ³
2x	5x30.00m	x	1.00m	x	0.60m = 180.00m ³
2x	2x30.00m	x	1.00m	x	0.60m = 72.00m³ 72.00m ³
Total					= 612.00m ³

(6) Construction of subgrade for earthen portion					
1x	5x30.00m	x	5.750m	x	0.30m = 258.75m ³
1x	2x30.00m	x	5.750m	x	0.30m = 103.50m ³
1x	1x15.00m	x	5.750m	x	0.30m = 25.875m ³
Total					388.125m ³

(7) Construction of granular sub-base by providing coarse graded material.					
in box culding -					
2x	30.00m	x	0.375m	x	0.10m = 2.25m ³
2x	10.00m	x	0.300m	x	0.10m = 0.60m ³
2x	2x30.00m	x	0.375m	x	0.10m = 4.50m ³
2x	17.00m	x	0.375m	x	0.10m = 1.27m ³
2x	20.00m	x	0.300m	x	0.10m = 1.20m ³
2x	10.00m	x	0.10m	x	0.10m = 0.20m ³
2x	2x30.00m	x	0.375m	x	0.10m = 4.50m ³
2x	5.00m	x	0.375m	x	0.10m = 0.37m ³
Qty 40 =					14.89m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			Qty	B/F	14.89 m ²
2x 30.10 m x 0.225 m x 0.10 m					= 1.35 m ²
2x 11.10 m x 0.225 m x 0.10 m					= 0.49 m ²
2x 10.60 m x 0.10 m x 0.10 m					= 0.20 m ²
2x 20.60 m x 0.250 m x 0.10 m					= 1.00 m ²
2x 5x 30.60 m x 0.375 m x 0.10 m					= 11.25 m ²
2x 2x 30.60 m x 0.10 m x 0.10 m					= 1.20 m ²
2x 20.60 m x 0.250 m x 0.10 m					= 1.00 m ²
In full width -					
5x 30.60 m x 3.75 m x 0.10 m					= 56.25 m ²
2x 30.60 m x 3.75 m x 0.10 m					= 22.50 m ²
1x 15.60 m x 3.75 m x 0.10 m					= 5.62 m ²

for profile correction.

6x 3.85 m x 2.00 m x 0.10 m					= 4.62 m ²
4x 2.90 m x 2.10 m x 0.10 m					= 2.43 m ²
4x 3.60 m x 1.95 m x 0.10 m					= 2.34 m ²
Extra widening at H curve					
2x 6.60 m x 0.550 m x 0.10 m					= 0.66 m ²
2x 5.60 m x 0.550 m x 0.10 m					= 0.55 m ²
2x 5.50 m x 0.60 m x 0.10 m					= 0.66 m ²
4x 2.00 m x 1.50 m x 0.10 m					= 1.20 m ²
2x 5.60 m x 0.580 m x 0.10 m					= 0.58 m ²
2x 2.70 m x 1.00 m x 0.10 m					= 0.54 m ²
				Total	= 129.33 m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ PLV, Lumping, spreading					
8 Compacting of WBM-3					
1x 30.00m x 3.75m x 0.075m					= 8.43m ³
1x 10.00m x 3.60m x 0.075m					= 2.70m ³
1x 30.00m x 3.75m x 0.075m					= 8.43m ³
1x 17.00m x 3.75m x 0.075m					= 4.78m ³
1x 20.00m x 3.60m x 0.075m					= 5.40m ³
1x 10.00m x 3.20m x 0.075m					= 2.40m ³
2x 30.00m x 3.75m x 0.075m					= 16.87m ³
1x 5.00m x 3.75m x 0.075m					= 1.40m ³
1x 30.00m x 3.00m x 0.075m					= 8.43m ³
1x 23.00m x 3.00m x 0.075m					= 5.17m ³
1x 30.00m x 3.450m x 0.075m					= 7.76m ³
1x 11.00m x 3.450m x 0.075m					= 2.84m ³
5x 30.00m x 3.75m x 0.075m					= 42.18m ³
3x 30.00m x 3.75m x 0.075m					= 25.31m ³
1x 15.00m x 3.75m x 0.075m					= 4.21m ³
5x 30.00m x 3.75m x 0.075m					= 42.18m ³
1x 9.00m x 3.10m x 0.075m					= 2.09m ³
1x 20.00m x 3.50m x 0.075m					= 5.25m ³
2x 30.00m x 3.20m x 0.075m					= 14.40m ³
1x 20.00m x 3.50m x 0.075m					= 5.25m ³
1x 10.00m x 2.70m x 0.075m					= 2.02m ³
Extras with at H-Cum.					
2x 6.00m x 0.550m x 0.075m					= 0.49m ³
2x 5.50m x 0.600m x 0.075m					= 0.49m ³

Qty 10 = 218.48m³

Continuation

218.48m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Qty B/F =	218.48m ³
	4	2.00 m	1.50 m	0.075 m	= 0.90m ³
	2	5.00 m	0.580 m	0.075 m	= 0.43m ³
	2	2.70 m	1.00 m	0.075 m	= 0.40m ³
	2	5.00 m	0.550 m	0.075 m	= 0.41m ³
				Total =	220.62m ³
				Qty limit =	216.59m ³

9) Construction of un-reinforced plain cement concrete panel as per technical specifications

1	30.00 m	3.75 m	0.160 m	= 18.00m ³
1	17.00 m	3.75 m	0.160 m	= 10.20m ³
1	20.00 m	3.60 m	0.160 m	= 11.52m ³
1	10.00 m	3.20 m	0.160 m	= 5.12m ³
1	30.00 m	3.00 m	0.160 m	= 9.00m ³
1	23.00 m	3.00 m	0.160 m	= 11.04m ³
2	30.00 m	3.75 m	0.160 m	= 36.00m ³
1	5.00 m	3.75 m	0.160 m	= 3.00m ³
1	30.00 m	2.45 m	0.160 m	= 9.00m ³
1	11.00 m	3.45 m	0.160 m	= 6.07m ³
5	30.00 m	3.75 m	0.160 m	= 90.00m ³
3	30.00 m	3.75 m	0.160 m	= 54.00m ³
1	15.00 m	3.75 m	0.160 m	= 9.00m ³
5	30.00 m	3.75 m	0.160 m	= 90.00m ³
1	9.00 m	3.10 m	0.160 m	= 4.46m ³

Qty of 0 = 381.77m³

Continuation

397.73m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			Qty	B/f =	$\frac{397.71 \text{ m}^3}{391.17 \text{ m}^3}$
1x	20.10m	43.50m	x	0.160m	= 11.20m ³
2x	30.10m	43.20m	x	0.160m	= 30.72m ³
1x	20.10m	43.50m	x	0.160m	= 11.20m ³
1x	10.10m	2.70m	x	0.160m	= 4.32m ³
Extra width at H-cum					
2x	6.10m	x	0.550m	x	0.160m = 1.05m ³
2x	5.50m	x	0.60m	x	0.160m = 1.05m ³
4x	2.10m	x	1.50m	x	0.160m = 1.92m ³
2x	5.10m	x	0.580m	x	0.160m = 0.92m ³
2x	2.70m	x	1.10m	x	0.160m = 0.86m ³
2x	5.10m	x	0.550m	x	0.160m = 0.88m ³
Total =					461.85m ³

(10) Plv & drying of typical
masonry intermediary
S'cm band with logo = 0.2 NO

[Signature]
25/01/22
(J.E)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract of cost</u>					
<u>1.</u>	P.V & Provy of working				
	Benchmark pillars,				
0.755 Km,	vide TMBP-1				
	(@ Rs	12338249/Km-B			9,31620
<u>2/2</u>	clearing & grubbing				
	of road land,				
0.151 Hect	vide TMBP-1				
	(@ Rs	5387928/Hect B			8,13620
<u>3/3</u>	Box cutting - Excavation				
	for roadway in				
	soil using manual				
	means				
31.38m ³ ,	vide TMBP-2				
	(@ Rs	133210/m ³ -B			4,17720
<u>4/4</u>	Construction of embank-				
	-ment with material				
	obtained from roadway				
	cutting				
18.82 m ³ ,	vide TMBP-2				
	(@ Rs	96278/m ³ -B			1,82120
<u>5/5</u>	Construction of embankment				
	with material obtained				
	from borrow pits within				
	1 each upto 1000m x 100m				
612.00 m ³ ,	vide TMBP-3				
	(@ Rs	197210/m ³ -B			1,20,62520
Continuation					40. B 1,44,07520

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			BS 15		1,44,075.00
6 6.	Construction of subgrade with approved material.				
388.12	m ³ , vide TMBP-3				
	① BS 183 = 40/m ³ - B				71,181.00
7 7.	Construction of granular sub-base by spreading coarse graded material.				
129.33	m ³ , vide TMBP-4				
	① BS 2836 = 80/m ³ - B				3,66,883.00
8 8.	Plv. Laying, spreading & Compacting of WBM-3				
216.59	m ³ , vide TMBP-6				
	① BS 3928 = 45/m ³ - B				8,50,863.00
9 9.	Construction of unreinforced plain cast concrete curb as per technical specification.				
461.85	m ³ , vide TMBP-7				
	① BS 7553 = 64/m ³ - B				34,88,649.00
	② BS 7553 = 64/m ³ - B				49,21,651.00
Particulars	No.	L.	B.	D.	Contents

Continuation