

MMGSY (S.C) M.B.NO-3449

Schedule XLV-Form No. 134

ગાંધીધામ શ્રદ્ધા સો ગ્રામ માનગુર એટલે વિદ્યાલય
સો ગાંધી શ્રદ્ધા નક્ક **DIVISION**

સરકારી મા. આ. - 20/SBD/2021-22

SUB-DIVISION

અવધ - 401 અધિકાર કુમાર સિંહ

Measurement Book

ગાંધીધામ

3449

2nd & Final bill

8

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W:- Construction of road from Gram Mampur me mampur madhya vidhalaya to Gawn Hura under mmssy (SC) at block Jalapur.					
N/Agency— Sir Abhishek Kumar Singh.					
Agg. NO— 20/SBD/2020-21					
Date of start— 13.06.2021					
Date of completion— 12.03.2022					
Date of measurement— 26.12.2022					

Items of work

(1) Plv & fixing of working bench - mark pillars = 0.365 Km.

(2) clearing & grubbing of road land.

$2 \times 5 \times 30.00m \times 1.00m = 300.00m^2$
 $2 \times 5 \times 30.00m \times 1.00m = 300.00m^2$
 $2 \times 2 \times 30.00m \times 1.00m = 120.00m^2$
 $2 \times 1 \times 5.00m \times 1.00m = 10.00m^2$

Total = 730.00m²

= 0.073 Hect

(3) Excavation for road way in soil using manual means.

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
For B.T. portion —					
	2x1	30.00m	0.525m	0.10m	$= 3.15m^3$
	2x1	15.00m	0.525m	0.10m	$= 1.57m^3$
For P.C.C. portion —					
	2x5	30.00m	0.375m	0.10m	$= 11.25m^3$
	2x5	30.00m	0.375m	0.10m	$= 11.25m^3$
	2x1	20.00m	0.375m	0.10m	$= 1.50m^3$
					Total = $28.72m^3$

(4) construction of embankment
with approved material
deposited from road cutting
Qty = 60% of excavated earth
= 60% of $28.72m^3$

$$= 17.23m^3$$

(5) construction of granular
sub-base by providing coarse
graded material.

For B.T. portion

in box cutting —

Chyber Muzir 2x1	30.00m	0.525m	0.10m	$= 3.15m^3$
2x1	15.00m	0.525m	0.10m	$= 1.57m^3$
1x	50.00m	4.050m	0.10m	$= 12.15m^3$
1x	15.00m	4.050m	0.10m	$= 6.07m^3$
Bar profile	Correction			
1x	5.30m	3.00m	0.10m	$= 1.59m^3$

For P.C.C. portion —

in box cutting

2x	5x30	0.375m	0.10m	$= 11.25m^3$
2x	5x30	0.375m	0.10m	$= 11.25m^3$
2x1	20.00m	0.375m	0.10m	$= 1.50m^3$

Continuation

$$\text{Qty C10} = 30.31m^3$$

$$\text{m}^3 \quad 48.53m^3$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			Qty BIF =		30.31 m^3 48.53 m^3
For profile correction					
		$4 \times 3.50 \text{ m}$	$\times 2.70 \text{ m}$	$\times 0.10 \text{ m}$	$= 3.78 \text{ m}^3$
		$3 \times 4.20 \text{ m}$	$\times 2.50 \text{ m}$	$\times 0.10 \text{ m}$	$= 3.15 \text{ m}^3$
Extra width at H-cum,					
		$2 \times 5.60 \text{ m}$	$\times 0.450 \text{ m}$	$\times 0.10 \text{ m}$	$= 0.50 \text{ m}^3$
				Total =	55.96 m^3
(6) plv, leaving spreading & computing of WBM-3					
For B.T. portion					
		$1 \times 30.00 \text{ m}$	$\times 3.75 \text{ m}$	$\times 0.075 \text{ m}$	$= 8.43 \text{ m}^3$
		$1 \times 15.00 \text{ m}$	$\times 3.75 \text{ m}$	$\times 0.075 \text{ m}$	$= 4.21 \text{ m}^3$
For P.C.C. portion					
		$5 \times 30.00 \text{ m}$	$\times 3.75 \text{ m}$	$\times 0.075 \text{ m}$	$= 42.18 \text{ m}^3$
		$5 \times 30.00 \text{ m}$	$\times 3.75 \text{ m}$	$\times 0.075 \text{ m}$	$= 42.18 \text{ m}^3$
		$1 \times 20.00 \text{ m}$	$\times 3.75 \text{ m}$	$\times 0.075 \text{ m}$	$= 5.62 \text{ m}^3$
Extra width at H-cum,					
		$2 \times 5.60 \text{ m}$	$\times 0.450 \text{ m}$	$\times 0.075 \text{ m}$	$= 0.37 \text{ m}^3$
				Total =	102.99 m^3
(7) plv & applying of former coat with bitumen emulsion SS-1,					
		$5 \times 30.00 \text{ m}$	$\times 3.75 \text{ m}$		$= 562.50 \text{ m}^2$
		$5 \times 30.00 \text{ m}$	$\times 3.75 \text{ m}$		$= 562.50 \text{ m}^2$
		$1 \times 30.00 \text{ m}$	$\times 3.75 \text{ m}$		$= 112.50 \text{ m}^2$
Extra width at H-cum,					
		$1 \times 5.80 \text{ m}$	$\times 0.550 \text{ m}$		$= 3.19 \text{ m}^2$
		$2 \times 3.00 \text{ m}$	$\times 2.50 \text{ m}$		$= 15.00 \text{ m}^2$

Continuation
Total = 1255.69 m^2
Qty limt = 1249.88 m^2

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) plv & applying of tack coat with bitumen emulsion RS-1					
check lifting retake	5	30.00m	3.75m		$= 562.50 m^2$
	5	30.00m	3.75m		$= 562.50 m^2$
	1	30.00m	3.75m		$= 112.50 m^2$
Extra width at H-cum.					
	1	5.80m	0.550m		$= 3.19 m^2$
	2	3.00m	2.50m		$= 15.00 m^2$
					Total = 1255.69 m ²
					Qty. Unit = 1249.88 m
(9) plv, leveling & rolling of close-graded porous surfacing material.					
check lifting retake	5	30.00m	3.75m		$= 562.50 m^2$
	5	30.00m	3.75m		$= 562.50 m^2$
	1	30.00m	3.75m		$= 112.50 m^2$
Extra width at H-cum.					
	1	5.80m	0.550m		$= 3.19 m^2$
	2	3.00m	2.50m		$= 15.00 m^2$
					Total = 1255.69 m ²
					Qty. Unit = 1249.88 m
(10) Construction of un-reinforced plain curb concrete barrel as per technical specifications.					

Continuation

P.T.O.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	5	30.10m	3.75m	0.160m	$= 90.10m^3$
	5	30.10m	3.75m	0.160m	$= 90.10m^3$
	1	20.10m	3.75m	0.160m	$= 12.10m^3$
Exts width of H-cur,					
	2	5.60m	0.450m	0.160m	$= 0.80m^3$
Total					$= 192.80m^3$

(11) Construction of subgrade
 & earthen shoulder.

For B.T. portion

Sides of G.S.B.

2	5	30.10m	0.975m	0.10m	$= 29.25m^3$
2	5	30.10m	0.975m	0.10m	$= 29.25m^3$
2	1	20.10m	0.975m	0.10m	$= 5.85m^3$

Sides of W.B.M.

2	5	30.10m	1.125m	0.075m	$= 25.31m^3$
2	5	30.10m	1.125m	0.075m	$= 25.31m^3$
2	1	20.10m	1.125m	0.075m	$= 5.06m^3$

For f.c.c. portion
 sides of W.B.M.

2	5	30.10m	0.625m	0.075m	$= 14.06m^3$
2	5	30.10m	0.625m	0.075m	$= 14.06m^3$
2	1	20.10m	0.625m	0.075m	$= 1.87m^3$

Sides of f.c.c.

2	5	30.10m	0.625m	0.160m	$= 30.10m^3$
2	5	30.10m	0.625m	0.160m	$= 30.10m^3$
2	1	20.10m	0.625m	0.160m	$= 4.00m^3$

Total = $214.02m^3$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) plv & laying of R.C.C pipe duct of dia 300 mm dia across the road $= 3 \times 2.50 \text{ M} = 7.50 \text{ M}$ Qty limit = 6.00 M.					
(13) plv & laying of R.C.C MIS grade boundary pillar, $= 05 \text{ NOS}$					
(14) plv & laying of R.C.C MIS grade kilometer stones = 02 NOS					
(15) plv & laying of R.C.C MIS grade 200 m stones = 03 NOS					
(16) plv & laying of retro-reflecto- -rised traffic sign board - 600 mm equilateral triangle $= 01 \text{ NO}$					
(17) 600 mm circular - 01 NO					
(18) 600 mm x 450 mm rectangular $= 01 \text{ NO}$					
(19) plv & erecting of direction & place identification sign board = 02 NOS					
(20) planting of trees on the sides of road - $= 2 \times 17 \text{ NOS} = 34 \text{ NOS},$					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(21) Plv & Length of half applied thermo. plastic compound					
		$2 \times 5 \times 30.00 \text{ m} \times 0.10 \text{ m}$			$= 30.00 \text{ m}^2$
		$2 \times 5 \times 30.00 \text{ m} \times 0.10 \text{ m}$			$= 30.00 \text{ m}^2$
		$2 \times 5 \times 30.00 \text{ m} \times 0.10 \text{ m}$			$= 30.00 \text{ m}^2$
		$2 \times 5 \times 30.00 \text{ m} \times 0.10 \text{ m}$			$= 30.00 \text{ m}^2$
		$2 \times 1 \times 30.00 \text{ m} \times 0.10 \text{ m}$			$= 6.00 \text{ m}^2$
		$2 \times 1 \times 20.00 \text{ m} \times 0.10 \text{ m}$			$= 4.00 \text{ m}^2$
					Total = 130.00 m^2
(22) Plv & Length of typical masonry infill sign with Logo = 01 NO.					

mm
26/12/22
(J.E)

Continuation

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Particulars	Details of actual measurement				
	No.	L.	B.	D.	
<u>Abstract of cost</u>					
1.	Plv & laying of working				
	Benchmark pillars.				
	0.285 Km, vide TMBP-4				
	0.365 Km, vide TMBP-8				
	0.650 Km				
	(W) Rs 5940+63/Km-B 3861260				
2.	cleaning & grubbing				
	of road land.				
	0.057 Heel, vide TMBP-4				
	0.073 Heel, vide TMBP-8				
	0.130 Heel.				
	(W) Rs 5133+76/Heel-B 6647200				
3.	Box cutting- Excavation				
	for road way in soil				
	using manual means.				
	27.78 m ³ , vide TMBP-4				
	28.72 m ³ , vide TMBP-9				
	56.50 m ³				
	(W) Rs 126+24/m ³ -B 7133200				
4.	Construction of embank-				
	ment with ^{approx} material				
	obtained from deposits				
	Earth from road way cutting				
	16.66 m ³ , vide TMBP-5				
	17.23 m ³				
	33.89 m ³				
	(W) Rs 88+36/m ³ -B 2994200				

Continuation

C/O, B

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F B	
<u>5</u> <u>5</u>	Construction of embankment with material obtained from borrow pits with a lead upto 100m & 100m				
	229.50 m ³			vide TMBP-5	
	(a) B	184 = 50/m ³		B	42,297 = 0
<u>6</u> <u>8</u>	Construction of gravel sub-base by placing coarse graded material				
	150.87 m ³			vide TMBP-5	
	55.96 m ³			vide TMBP-10	
	206.83 m ³				
	(a) B	3279 = 50/m ³		B	6,78,299 = 0
<u>7</u> <u>9</u>	Plv, curing, spreading & Compacting of WBM-3				
	81.01 m ³			vide TMBP-5	
	102.99 m ³			vide TMBP-10	
	184.00 m ³				
	(a) B	3946 = 79/m ³		B	7,35,409 = 0
<u>8</u> <u>24+25+26</u>	Plv & lining of typical masonry rectangular drain based with 100mm				
	02 Nos.			vide TMBP-6	
	01 No.			vide TMBP-14	
	03 Nos.				
	(a) B	9355 = 72		No-B	28,10,67 = 0
					16, 15, 14, 84, 072 = 0

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				R/L B	14,84,072 =
<u>9</u> <u>10</u>				Plv & applying primer	
				Coat with bitumen	
				emulsion SS-1	
	1249.88 m ²			vide TMBP-10	
				(W) B 45 = 34/m ² — B	56,670 = 0
<u>10</u> <u>11</u>				Plv & applying tack	
				Coat with bitumen	
				emulsion RS-1	
	1249.88 m ²			vide TMBP-11	
				(W) B 15 = 60/m ² — B	19,498 = 0
<u>11</u> <u>12</u>				Plv, leveling & rolling	
				of close graded	
				Priming Surfacing material	
	1249.88 m ²			vide TMBP-11	
				(W) B 243 = 73/m ² — B	3,04,633 = 0
<u>12</u> <u>13</u>				Construction of U.S.	
				reinforced plain cul	
				Concrete pavement	
				as per technical spec	
	192.80 m ³			vide TMBP-12	
				(W) B 7609 = 63/m ³ — B	14,66,365 = 0
<u>13</u> <u>6+1.7</u>				Construction of subgrade	
				& earthen shoulder	
	214.02 m ³			vide TMBP-12	
				(W) B 210 = 88/m ³ — B	45,132 = 0
				40, B 33,76,370 = 0	

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Δ F, R	3376,370 = ∞
<u>14</u> 14.				plv & lampy of R-c-c	
				pipe diam 300 mm dia	
				across the road -	
				600 m, wide TMB 1-13	
				(W) B 836275/M - B	502020
<u>15</u> 15				plv & hndy of R-c-c	
				mis grade boundary	
				05 NO, wide TMB 1-13	
				(W) B 506200/NO - B	253020
<u>16</u> 16.				plv & hndy of R-c-c	
				mis grade kilandz	
				stones	
				02 NO, wide TMB 1-13	
				(W) B 2213261/NO - B	442720
<u>17</u> 17				plv & hndy of R-c-c	
				mis grade 200 m	
				stones	
				03 NO, wide TMB 1-13	
				(W) B 623205/NO - B	186920
<u>18</u> 18.				plv & hndy of retro -	
				reflectors & bulbs	
				sign board - 600 m	
				canal & bridge	
				01 NO, wide TMB 1-13	
				(W) B 358212/NO - R	358220
				cl B 3393,798 =	∞

Continuation

Continuation

Continuation