

Gandhi Bhagat - Messy

Sri Gandhi Bhagat
Ag No - 22 (S.D)/2020-21

Gandhi Road to Dostane Road

Schedule XIV-Form No. 134

Head - M.M. (S.D.C)

R. W. D. (S) 39M41

DIVISION

Sikandar

SUB-DIVISION

MEASUREMENT BOOK

- 2745

M.B.No - 2745

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work :- Construction of Road					
from Gurdih Road to Arstani					
Agency → Gaurind Bhagat, PO + PS - Sikandra					
dist - Jammu					
Agreement No. :- 22 (SBD) / 2020-21					
Dt. of Commencement of work → 22.7.2020					
Dt. of Completion of work → 21.07.2021					
Agreement Value :-					
Construction cost - 1,02,77,998 = ₹					
Maintenance cost - 16,46,203 = ₹					
Total - 1,19,24,201 = ₹					

① Construction of embankment with material obtained from borrow pits with a lift upto 1.5m transporting to the site

Spreading

S.No.	Change Area	Mean Area	Distance	Volume
1	0	4.510	-	-
2	100	4.250	4.380	100 438.000 m ³
3	200	4.370	4.310	100 431.000 m ³
4	300	2.420	3.395	100 339.500 m ³
5	400	2.220	2.320	100 232.000 m ³
6	500	2.210	2.215	100 221.500 m ³
7	600	6.030	4.120	100 412.000 m ³
8	700	4.430	5.230	100 523.000 m ³
9	800	4.620	4.525	100 452.500 m ³
				942 3049.500 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑤ Providing M15 (PCC 1:2:5) concrete for plain concrete in open foundations					
H.W	2	3.9	1.15	0.15	$= 1.345 \text{ m}^3$
Below Pipe	1	5.311	1.13	0.15	$= 1.500 \text{ m}^3$
					$\text{Qty} = 2.846 \text{ m}^3$
					$7 \times 2.846 \text{ m}^3 = 19.92 \text{ m}^3$
⑥ Plain/Reinforced cement concrete (M-20) in substructure					
H.W	2	3.6	0.4	0.25	$= 14.011 \text{ m}^3$
bracket	2	3.6	0.4	0.6	$= 1.728 \text{ m}^3$
W for pipe	2	0.785	0.83	0.53	$= (-) 0.574 \text{ m}^3$
					$1 \times 15.165 \text{ m}^3 = 15.165 \text{ m}^3$
					$7 \times 15.165 \text{ m}^3 = 106.155 \text{ m}^3$
⑦ Providing & laying R.C.C pipe N.P-3 for culverts on first class bedding of PCC M-10					
	3	2.50			$= 7.50 \text{ m}$
	7	7.50			$= 52.5 \text{ m}$
⑧ Painting on bracket wall (B.W)					
Painting two coats including primer					
Coat					
Top	2	3.6	0.4		$= 2.88 \text{ m}^2$
Side	4	3.6	0.6		$= 8.64 \text{ m}^2$
Front	4	0.4	0.6		$= 0.960 \text{ m}^2$
					$\text{Qty} = 12.48 \text{ m}^2$
					$7 \times 12.48 = 87.36 \text{ m}^2$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/p B/h	190.20 m^2
		$1 \times 15 \times 4.2 + 4.28$		$\times 0.16$	$= 10.12 \text{ m}^2$
		$1 \times 20 \times 4.18 + 4.2$		$\times 0.16$	$= 13.41 \text{ m}^2$
		$10 \times 30 \times 3.25$		$\times 0.16$	$= 180.00 \text{ m}^2$
		$3 \times 30 \times 3.25$		$\times 0.16$	$= 54.00 \text{ m}^2$
		$1 \times 10 \times 3.85$		$\times 0.16$	$= 6.16 \text{ m}^2$
					$\text{Qty} = 453.89 \text{ m}^2$
③	p/v & laying of brick edging layer on prepared subgrade with brick on end edging edging.				
		$2 \times 10 \times 30 \times 0.50$			$= 30.00 \text{ m}^2$
		$2 \times 10 \times 30 \times 0.50$			$= 30.00 \text{ m}^2$
		$2 \times 2 \times 10 \times 0.50$			$= 4.00 \text{ m}^2$
		$2 \times 1 \times 10 \times 0.50$			$= 1.00 \text{ m}^2$
					$\text{Qty} = 6.50 \text{ m}^2$
⑭	Providing & laying of a reinforced cement concrete pipe duct 300mm dia across the road.				
		$8 \times 7.50 \text{ m}$			$= 60.00 \text{ m}^2$
⑮	Providing & fixing of Reinforced Cement concrete 14-15 grade Kilometer stone (K.M. stone)				
					03 nos.
⑯	p/v & fixing of 200 M stone				
					08 nos.
⑰	Providing & fixing of retro-reflectonised Cautionary Mandatory 600mm equilateral & triangle				
					08 nos.

Sch. XLV-Form No. 134					
Particulars	Details of actual measurement			Contents of area	
	No.	L.	B.		
23) Providing & fixing of Reinforced Cement concrete M-15 grade Boundary Pillar 56 nos.					
24) Providing & fixing of erecting direction and place identification retro reflector sign 08 nos.					
25) Providing & fixing of typical M454 Informative sign board 05 nos.					
Abstract of cost					
1) Providing & fixing of working bench mark pillar do-do all complete works City vide Page no. (1) in TMS item no. (1)					
@ 31940.70/km		2 km		Rs	63881.40
2) Clearing & grubbing of road land City vide Page no. (2) in TMS item no. (2)					
@ 51133.76/Ha		0.70 Ha		Rs	35,794.43
3) Construction of embankment of 1000 m lead with material					
				Rs	99,675.83

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/P	P/S	28,18,650 = 0
9) Providing, laying, spreading & compacting stone aggregate WBM Gr-II.					
Qty vide Page no. (17) in PMS					
Item no. (9)					
@ 1653.05/m ³		565.89 m ³		P/S	9,35,444 = 0
10) Construction of 600mm dia MP culvert excavation of earthwork foundation upto 3.0 m depth					
Qty vide Page no. (17) in PMS					
Item no. (10)					
@ 294.73/m ³		109.83 m ³		P/S	32,311 = 0
11) Providing M-15 (PCC 1:2:5) concrete for plain concrete in open foundation					
Qty vide Page no. (18) in PMS					
Item no. (11)					
@ 4503.76/m ³		19.92 m ³		P/S	89,715 = 0
12) Plain/Reinforced Cement concrete (M-20) in substructure					
Qty vide Page no. (18) in PMS					
Item no. (12)					
@ 5615.67/m ³		106.16 m ³		P/S	5,96,160 = 0
13) P/L & laying of RCC pipe NP-3 for culvert on first class bed of PCC M-10.					
Qty vide Page no. (18) in PMS					
Item no. (13)					
@ 3283.19/m		52.5 m		P/S	1,72,367 = 0
				P/S	46,44,647 = 0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F	R/S	92,08,346.00
$\frac{28}{26}$ Providing & laying of hot applied thermoplastic compound 25mm thick on RT portion Qty vide page no. (21) in TMB					
735.44/m ²	250.00 m ²			R/S	1,83,860.00
$\frac{29}{27}$ Road marking on CC portion do. do all complete work Qty vide page no. (21) in TMB					
835.34/m ²	150.00 m ²			R/S	1,25,801.00
$\frac{30}{28}$ Providing & fixing of RCC in concrete boundary Pillar Qty vide page no. (22) in TMB					
@ 484.52/m ³	56 m ³			R/S	27,133.00
$\frac{29}{29}$ Providing & erecting direction & place identification, retro reflectorised sign board Qty vide page no. (22) in TMB					
@ 11610.67/m ²	0.8 m ²			R/S	92,885.00
$\frac{30}{30}$ P/V & fixing of typical H.M.G.S.Y. in formatory sign board Qty vide page no. (20) in TMB					
@ 9234.39/m ³	0.5 m ³			R/S	46,172.00
$\frac{31}{31}$ P/V & laying of brick soling on prepared surface Qty vide page no. (20) in TMB					
@ 504.69/m ²	650.00 m ²			R/S	3,28,048.00

Continuation

R/S 1,00,11,745.00

$\frac{d}{dt} \left(\frac{1}{r^2} \right) = -\frac{2}{r^3} \frac{dr}{dt}$

Card