

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work - Const ⁿ & five year maintenance of road from Duhin Bazar Sahar rampur path to Math					
Baliyari tola under MMGSY (SC) Scheme.					
Agency - Arun Kumar.					
Agreement no. - 06/SBD/MMGSY(SC)/2021-22.					

Date of commencement - 06-07-2021

- ① Constⁿ of granular sub-base by providing well graded material of Grading I.

$$\frac{29 \times 10 + 5}{3} \times 4.05 \times 0.200 = 36.83 \text{ m}^3$$

- ② Providing, laying, spreading and compacting stone agg. of specific sizes of Grade III for BT Portion.

$$1 \times 30 \times \frac{10.00 + 5.00 + 3.75}{3} \times 0.075 = 14.063 \text{ m}^3$$

$$1 \times 30 \times 3.75 \times 0.075 = 8.438 \text{ m}^3$$

$$1 \times 30 \times 3.75 \times 0.075 = 8.438 \text{ m}^3$$

$$1 \times 30 \times \frac{3.75 + 4.30 + 3.75}{3} \times 0.075 = 8.85 \text{ m}^3$$

$$1 \times 30 \times \frac{3.75 + 4.70 + 3.75}{3} \times 0.075 = 9.15 \text{ m}^3$$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 30 \times 3.75 \times 0.075$					8.438 m^3
$1 \times 30 \times 3.75 \times 0.075$					8.438 m^3
$1 \times 30 \times \frac{3.75 + 4.70 + 3.75}{3}$					
				$\times 0.075$	9.300 m^3
$1 \times 30 \times 3.75 \times 0.075$					8.438 m^3
$1 \times 30 \times \frac{3.75 + 3.60}{2} \times 0.075$					8.269 m^3
<u>PCC Portion</u>					
$1 \times 30 \times \frac{3.60 + 3.75}{2} \times 0.075$					15.188 m^3
$1 \times 30 \times \frac{3.75 + 4.00 + 3.75}{3} \times 0.075$					8.625 m^3
$1 \times 30 \times \frac{3.75 + 4.00 + 3.75}{3} \times 0.075$					8.85 m^3
$1 \times 30 \times \frac{3.75 + 5.50 + 4.00}{3} \times 0.075$					9.938 m^3
$1 \times 8 \times \frac{4.00 + 3.75}{2} \times 0.075$					2.325 m^3
					136.748
(3) Providing and applying primer coat with bitumen emulsion (SS-1)					
$1 \times 30.00 \times \frac{10.00 + 5.00 + 3.75}{3}$					187.50 m^2
$1 \times 30.00 \times 3.75$					112.50 m^2
$1 \times 30.00 \times 3.75$					112.50 m^2
$1 \times 30.00 \times \frac{3.75 + 4.30 + 3.75}{3}$					118.00 m^2
$1 \times 30.00 \times \frac{3.75 + 4.70 + 3.75}{3}$					122.00 m^2
					1100.25 m^2

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
1 x 30.00 x 3.75					112.50 m ²
1 x 30.00 x 3.75					112.50 m ²
1 x 30.00 x $\frac{3.75 + 4.90 + 3.75}{3}$					124.00 m ²
1 x 30.00 x 3.75 x 0.075					112.50 m ²
1 x 30.00 x $\frac{3.75 + 3.60}{2}$					110.25 m ²
					1224.25 m ²

④ Providing & applying
tack coat with bituminous

Emulsion (RS-2)					
1 x 30.00 x $\frac{10.00 + 5.40 + 3.75}{3}$					187.50 m ²
1 x 30.00 x 3.75					112.50 m ²
1 x 30.00 x 3.75					112.50 m ²
1 x 30.00 x $\frac{3.75 + 4.30 + 3.75}{3}$					118.00 m ²
1 x 30.00 x $\frac{3.75 + 4.70 + 3.75}{3}$					122.00 m ²
1 x 30.00 x 3.75					112.50 m ²
1 x 30.00 x 3.75					112.50 m ²
1 x 30.00 x $\frac{3.75 + 4.90 + 3.75}{3}$					124.00 m ²
1 x 30.00 x 3.75 x 0.075					112.50 m ²
1 x 30.00 x $\frac{3.75 + 3.60}{2}$					110.25 m ²
					1224.25 m ²

⑤ Providing, laying and
rolling of close-graded

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
premix surfacing of					
Type B -					
$1 \times 30.00 \times \frac{10.00 + 5.00 + 3.75}{3}$					187.50 m ²
$1 \times 30.00 \times 3.75$					112.50 m ²
$1 \times 30.00 \times 3.75$					112.50 m ²
$1 \times 30.00 \times \frac{3.75 + 4.30 + 3.75}{3}$					118.00 m ²
Checked $1 \times 30.00 \times \frac{3.75 + 4.70 + 3.75}{3}$					122.00 m ²
$1 \times 30.00 \times 3.75$					112.50 m ²
$1 \times 30.00 \times 3.75$					112.50 m ²
$1 \times 30.00 \times \frac{3.75 + 4.70 + 3.75}{3}$					124.00 m ²
$1 \times 30.00 \times 3.75$					112.50 m ²
$1 \times 30.00 \times \frac{3.75 + 3.60}{2}$					110.25 m ²
					1224.75 m ² i.e. 24.485 m ²
⑤ Constn of un-reinforced cement concrete pavement					
Checked of 1430 design mix					
$1 \times 30.00 \times \frac{3.60 + 3.75}{2} \times 0.160$					17.64 m ³
$1 \times 30.00 \times \frac{3.75 + 4.00 + 3.75}{3} \times 0.160$					18.40 m ³
$1 \times 30.00 \times \frac{3.75 + 4.30 + 3.75}{3} \times 0.160$					18.88 m ³
$1 \times 30.00 \times \frac{3.75 + 5.50 + 4.00}{3} \times 0.160$					21.20 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 8.00 \times \frac{4.00 + 3.75}{2} \times 0.160 =$					4.96 m^3
					81.08 m^3

- ⑦ Constⁿ of sub-grade & earthen shoulder with approved material obtained
Sides of GSB in BT portion -

Check $2 \times 10 \times 30.00 \times 1.15 (\text{av}) \times 0.200 = 138.00 \text{ m}^3$

Sides in CC portion -

$2 \times 4 \times 30.00 \times 0.50 (\text{av}) \times 0.10 = 12.00 \text{ m}^3$

$2 \times 8.00 \times 0.50 (\text{av}) \times 0.10 = 0.80 \text{ m}^3$

Sides of WBM and MSS in BT portion -

$2 \times 10 \times 30.00 \times 1.00 (\text{av}) \times 0.075 = 57.00 \text{ m}^3$

Sides of WBM and CC.

pavement in CC-portion -

$2 \times 4 \times 30.00 \times 0.50 (\text{av}) \times 0.235 = 28.20 \text{ m}^3$

$2 \times 8.00 \times 0.50 (\text{av}) \times 0.235 = 1.88 \text{ m}^3$

237.88 m^3

- ⑧ Constⁿ of embankment with approved material obtained

from borrow pits -

A/c to first level of L/s & C/s sheet.

Sl. No.	Ch. (m)	Area (sq. m)	Dist. (m)	Volume (m ³)
1	0	6.524		
2	50	6.350	6.436	321.775
3	100	6.764	6.557	327.850
4	150	7.127	6.946	347.275
5	200	6.399	6.763	338.150
6	250	6.822	6.611	330.525
7	300	6.064	6.443	322.150
8	350	2.336	4.205	210.250
9	400	2.450	2.398	119.900
10	428	2.095	2.273	63.630
				2381.305

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Particulars	Details of actual measurement				Contents of area
	No.	A.	B.	D.	
Deduction for GSB					-770.69+36.43 m ³
Deduction for NBM					-136.748 m ³
Deduction for CC					-81.080 m ³
Deduction for M.S.S					-24.485 m ³
Deduction for Subgrade and center shoulder					
Net E/W					-
(i) Lead upto 100 m					-
(ii) Lead upto 1000 m					-
(9) Reinforced cement concrete					
M15 grade kilometer/local					
stone -					
(i) Kilometer stone					- 2 Nos.
(ii) 200 m stone					- 2 Nos.
(10) Providing & fixing of retro reflectorized cautionary, mandatory and informatory sign					
(i) 600 mm Circular					- 2 Nos.
(ii) 600 mm x 450 mm rectangular					- 4 Nos.
(iii) 600 mm equilateral triangle					- 4 Nos.
(iv) 900 mm side octagon					- 1 No.
(11) Providing and laying of hot applied thermoplastic compound 2.5 mm thick					
(i) over Bituminous Surface					
2 x 2 x 30.00 x 0.100					- 12.000 m ²

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2x4x30.00x0.10				—	24.00 m ²
2x2x30.00x0.10				—	12.00 m ²
2x2x30.00x0.10				—	12.00 m ²
					60.00 m ²

(2) Over CC Pavement

2x2x30.00x0.10				—	12.00 m ²
2x2x30.00x0.10				—	12.00 m ²
2x8.00x0.10				—	1.60 m ²
					25.60 m ²

Supra
22/08/2022
J.E

A
22/08/2022
A.E

Abstract of Cost

(1/1) Cost of Reference & working
Bench mark pillar

0.428 km qty vide TMBP (5)

item (1) @ Rs. 11005.43/km - Rs. 4710.00

(2/2) Clearing & grubbing road
land -

0.248 hect. qty vide TMBP (5)

item (2) @ Rs. 52998.20/hect - Rs. 13,145.00

(3/3) Cost of embankment
obtained from borrow pits

(i) Lead up to 100 m

Total = 2381.505 m³ qty vide TMBP (5)Less for GSB (1) 270.490 m³ qty vide TMBP (6)36.830 m³ qty vide TMBP (1)

Continuation CO-17,851/2

Sch. XLV-Form No. 134 B.F.-Rs. 1785500

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Less for WBP - 136.748 m ³ qty vide TMBP (12)					
Con for CC - 81.08 m ³ qty vide TMBP (15)					
Less for M.S.S. - 24.485 m ³ qty vide TMBP (14)					
Con for Subgrade - 634.05 m ³ qty vide TMBP (16)					
- 2. Earthen shoulder - 237.88 m ³ qty vide TMBP (15)					
Net C/W 959.742 m ³					
(ix) Load up to 100 m					
671.819 m ³ @ Rs. 154.58/m ³ - Rs. 103848/-					
568.09 m ³ @ Rs. 87.815/m ³ - Rs. 49850/-					
(x) Load up to 1000 m					
287.923 m ³ @ Rs. 192.03/m ³ - Rs. 55290/-					
248.46 m ³ @ Rs. 192.03/m ³ - Rs. 47700/-					
(4/5) Const ⁿ of sub-grade					
Earthen shoulder -					
634.05 m ³ qty vide TMBP (16) item (5)					
@ Rs. 154.58/m ³					
237.88 m ³ qty vide TMBP (15) item (1)					
871.93 m ³					
@ Rs. 190.01/m ³ - Rs. 165675/-					
(5/6) Const ⁿ of granular sub-					
base for providing well					
grade material of grading					
270.69 m ³ qty vide TMBP (11) item (1)					
36.83 m ³ qty vide TMBP (11) item (1)					
307.52 m ³ @ Rs. 2725.94/m ³ - Rs. 838281/-					
(6/7) Providing, laying, spreading					
and compacting stone agg.					
of sp. sizes of Gr. II					
136.748 m ³ qty vide TMBP (12) item (5)					
122.79 m ³					

Continuation

C.O. 11,56,379/-

Sch. XLV-Form No. 134 BP-11,56,379-0

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
@ Rs. 3522.31/m ³ — Rs. 4325000					
(7/8) Providing & applying prime coat with Bitumen emulsion (RS-1)					
1224.25 m ² Qty vide TMBP (13)					
lt. 1147.50					
item (9) @ Rs. 41.11/m ² — Rs. 4717400					
(8/9) Providing & applying tack. prime coat with Bitumen emulsion (RS-1)					
1224.25 m ² Qty vide TMBP (11) item (9)					
lt. 1147.50					
1147.50 m ² @ Rs. 14.01/m ² — Rs. 1607600					
(9/10) Providing, laying and rolling of close graded granular surfacing -					
1224.25 m ² Qty vide TMBP (19) item (5)					
lt. 1147.50					
1147.50 m ² @ Rs. 188.80/m ² — Rs. 21664800					
(10/11) Construction of un-reinforced expansion and contraction joint -					
21.08 m ³ Qty vide TMBP (19) item (6)					
lt. 78.34 m ³ @ Rs. 6252.60/m ³ — Rs. 48982900					
(11/12) Providing & fixing of typical informative Logo Board -					
2 Nos Qty vide TMBP (6) item (67)					
@ Rs. 9400.15/No — Rs. 18800000					
(12/24) Earthwork in excavating for structure -					

Continuation

C.O - 23,77,41000

Sch. XLV-Form No. 134 B.F - 23,77,410-20

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
29.11 m ³ Qty vide TMBP (17) item (8)					
@ Rs. 305.42/m ³ — Rs. 8890-20					
(13/25) Providing plain cement concrete in open foundation M15.					
2.65 m ³ Qty vide TMBP (9) item (4)					
@ Rs. 5151.95/m ³ — Rs. 13653-20					
(14/26) Providing Acc M20 in foundation -					
18.82 m ³ Qty vide TMBP (18) item (10)					
@ Rs. 5655.73 5655.61/m ³ — Rs. 106121-20					
(15/27) Providing Acc M20 in sub-structure -					
11.60 m ³ Qty vide TMBP (18) item (11)					
@ Rs. 5865.61/m ³ — Rs. 68041-20					
(16/28) Providing & Laying ISI Mark RCC HP 1000 mm dia.					
7.50 m Qty vide TMBP (17) item (12)					
@ Rs. 3641.35/m — Rs. 27310-20					
(18) Reinforced cement concrete M15 grade kary local stone.					
(i/12) Kilometer stone					
2 Nos. Qty vide TMBP (18) item (13)					
@ Rs. 2189.42/No — Rs. 4379-20					
(ii/13) 200m stone.					
2 Nos. Qty vide TMBP (18) item					

Continuation

C.O-26,55,80-20

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

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