

MAHARASHTRA GOB-BRRP-129 MAHARASHTRA NO-3203

Schedule XLY-Form No. 134

पंचायत राज अधिनियम 1952 के अन्तर्गत
अनु. नं. 52SRP/2019-20 का अन्तर्गत
गोदक विभाग का विभाग 10 दिवस

SUB-DIVISION

अनु. 11/2019

MEASUREMENT BOOK

MAHARASHTRA NO-3203

4th on A/c bill

23

Sch. XLV—Form No. 134

Sch. XLV—Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
N/W:— construction of Road &					
C/D works from Panchayat-					
Bhawan Ashoknagar to					
Barkagan Kulkarni Tak					
Under MMSY (NDB)					
at block Jalalpur					
N/Agency— Shivcon Estate					
Pvt. Ltd.					
Ass. NO— 52/SB/2019-20					
Date of start/— 26.12.2019					
Date of completion— 25.12.2020					
Date of measurement— 16.08.2021					

Items of work					
(1) Construction of working Benchmark pillars = 02 NO					
(2) Construction of reference pillars = 07 NO					
(3) Clearing & grubbing of road land					
$10 \times 30.10 \text{ m} \times 3.50 \text{ m} = 1050.10 \text{ m}^2$					
$10 \times 30.10 \text{ m} \times 3.50 \text{ m} = 1050.10 \text{ m}^2$					
$10 \times 30.10 \text{ m} \times 3.50 \text{ m} = 1050.10 \text{ m}^2$					
Total = 3150.10 m ²					
= 0.315 Hect.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) Box cutting - Excavation for road work in soil with hydraulic excavator. for B.T. portion.					
	2	10	30.00m	0.525m	$0.10m = 31.50m^3$
	2	5	30.00m	0.525m	$0.10m = 15.75m^3$
				Total =	47.25m ³
(5) Construction of Embankment with material obtained from barrow pits with a lead up to 100m & 100m.					
	10	30.00m	6.00m	0.200m	$= 360.00m^3$
	10	30.00m	6.00m	0.200m	$= 360.00m^3$
	10	30.00m	6.00m	0.200m	$= 360.00m^3$
	3	30.00m	6.00m	0.200m	$= 108.00m^3$
	1	10.00m	6.00m	0.200m	$= 12.00m^3$
	10	30.00m	1.250m	0.300m	$= 112.50m^3$
	5	30.00m	1.250m	0.300m	$= 56.25m^3$
				Total =	1368.75m ³
(i) (a) 100m lead = 30% of 1368.75m ³					$= 410.62m^3$
(ii) (a) 100m lead = 70% of 1368.75m ³					$= 958.12m^3$
(6) Construction of granular sub-base by forming well graded material.					

Continuation

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>For B.T. Portion (Earthen Part)</u>					
10	X 30.10m	X 4.050m	X 0.200m		= 243.60m ³
10	X 30.10m	X 4.050m	X 0.200m		= 243.00m ³
5	X 30.10m	X 4.050m	X 0.200m		= 121.50m ³
<u>9m box cutting (on Brick Soling Part)</u>					
2	X 10 X 30.10m	X 0.525m	X 0.200m		= 63.60m ³
2	X 5 X 30.10m	X 0.525m	X 0.200m		= 31.50m ³
<u>9m Full width</u>					
10	X 30.10m	X 3.10m	X 0.10m		= 90.60m ³
5	X 30.10m	X 3.10m	X 0.10m		= 45.60m ³
<u>Extra width at H curve</u>					
4	X 5.60m	X 0.550m	X 0.200m		= 2.46m ³
2	X 6.10m	X 0.580m	X 0.200m		= 1.34m ³
2	X 3.10m	X 2.50m	X 0.10m		= 1.50m ³
Total =					842.30m ³

(7) PIV, Laying & Spreading &
Compacting of WBM-3

For Earthen Portion

6	X 30.10m	X 3.75m	X 0.075m		= 50.62m ³
1	X 20.10m	X 3.75m	X 0.075m		= 5.62m ³

For Brick Soling Portion

10	X 30.10m	X 3.75m	X 0.075m		= 84.37m ³
5	X 30.10m	X 3.75m	X 0.075m		= 42.18m ³

Extra width at H curve

4	X 5.60m	X 0.580m	X 0.075m		= 0.92m ³
2	X 6.10m	X 0.580m	X 0.075m		= 0.50m ³
2	X 3.10m	X 2.50m	X 0.075m		= 1.12m ³

Continuation - Total = 185.33m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ Earthwork in excavation for structure (H.P. Culvert - 1x600mm - 04 Nos)					
Head wall,					
	4 x 2	4.15 m	1.40 m	1.470 m	= 68.32 m ³
Bedding,					
	4 x 1	5.78 m	1.07 m	0.250 m	= 6.18 m ³
					Total = 74.50 m ³
P/V & Laying first class Bedding in concrete on well compacted sand,					
	4 x 1	5.78 m	1.07 m	0.55 m	= 13.60 m ³
Deduction for pipe					
	4 x 1	5.78 m	0.22 m		= (-) 5.08 m ³
					Total = 8.52 m ³
⑩ Brick masonry work in cement mortar (1:4)					
P/V & Laying P.C.C.M.S for open foundation					
	4 x 2	3.85 m	1.40 m	0.15 m	= 6.46 m ³
					Total = 6.46 m ³
⑪ Brick masonry work in cement mortar (1:4) for Head wall					
	4 x 2	3.85 m	1.250 m + 0.40 m		= 50.82 m ³
For Parapet					
	4 x 2	3.85 m	0.40 m	0.60 m	= 7.39 m ³
Less for pipe portion					
	4 x 2	0.465 m	0.61 m		= (-) 2.26 m ³
					Total = 55.95 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) Plv & laying ^{Rec} pipe NP3 of dia 600mm.					
4 x 3 x 2.50 m = 30.00 m.					
(13) Plastering with CM 1:4 on brickwork.					
Outer sides,					
4 x 2 x 3.85 m x 0.600 m = 18.48 m ²					
Inner sides,					
4 x 2 x 3.85 m x 0.600 m = 18.48 m ²					
Top, 4 x 2 x 3.85 m x 0.400 m = 12.32 m ²					
Ends, 4 x 2 x 2 x 0.400 m x 0.600 m = 3.84 m ²					
Total = 53.12 m ²					
Mm 16/08/14 (J.E)					
<u>Abstract of cost</u>					
<u>1. Continuation of working</u>					
Benchmark pillar.					
02 Nos, vide TMBL-18					
02 Nos, vide TMBL-23					
04 Nos,					
Rs 3883 = 52 / No. Rs 15,534 = 00					
C/O, Rs 15,534 = 00					

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				6 1/2 ft	15,534 = 00
<u>2/2</u> Construction of reference pillars.					
08 Nos, vide TMBP-18					
07 Nos, vide TMBP-23					
15 Nos,					
	(a) Rs	1792 = 60/No	Rs		26,889 = 00
<u>3/3</u> clearing & grubbing of road level.					
0.875 Hect, vide TMBP-18					
0.315 Hect, vide TMBP-23					
1.190 Hect					
	(a) Rs	49729 = 471 Hect	Rs		59,190 = 00
<u>4/4</u> Box cutting - Excavation for roadway in soil with hydraulic excavator					
62.50 m ³ , vide TMBP-19					
47.25 m ³ , vide TMBP-24					
109.75 m ³					
	(a) Rs	82001/m ³	Rs		9001 = 00
<u>5(a)</u> <u>5</u> Construction of embankment with a lead up to 1000 m.					
759.76 m ³ , vide TMBP-19					
410.62 m ³ , vide TMBP-24					
1170.38 m ³					
	(a) Rs	187223/m ³	Rs		2,19,130 = 00

Continuation c/o Rs 3,29,744 = 00

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F, B		3,29,744=0
5 (b) 6. Construction of embankment with a load upto 100 m.					
974.78 m ³ , vide TMBP-19					
958.12 m ³ , vide TMBP-24					
1932.90 m ³					
			① B 142=39/m ³ —B		2,75,226=0
6 8. Construction of granules sub-base by providing well graded material.					
538.11 m ³ , vide TMBP-19					
842.30 m ³ , vide TMBP-25					
1380.41 m ³					
			② B 2727=74/m ³ —B		38,34,420=0
7 9 P.V., Laying, spreading & Compacting of WBM-3					
241.00 m ³ , vide TMBP-20					
185.33 m ³ , vide TMBP-25					
426.33 m ³					
			③ B 3769=81/m ³ —B		16,07,183=0
8 18 P.V. & laying of typical manholes (NDB) in material sign board with logo.					
02 Nos, vide TMBP-20					
			④ B 10199=47/m ³ —B		20,39,900
			40 B		60,66,972=0

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F, B		60,66,972 ^{cc}
9 13. Construction of unreinforced plain concrete as per technical specification.					
509.72 m ³ , vide TMBP-20					
① B 7637=71/m ³ —B					38,93,094 ^{cc}
10 25 Earth work in excavation for structure (Hume pipe culvert 1x600mm-04M)					
74.50 m ³ , vide TMBP-26					
① B 261=90/m ³ —B					19,512 ^{cc}
11 26. Plv & Laying first class bed clay on well compacted sand.					
8.52 m ³ , vide TMBP-26					
① B 459=68/m ³ —B					3,916 ^{cc}
12 27. Plv & Laying P.C.C M15 for open foundation.					
6.46 m ³ , vide TMBP-26					
① B 5862=05/m ³ —B					37,869 ^{cc}
13 28. Brick masonry work in C.M (1:4) for H. wall.					
55.95 m ³ , vide TMBP-26					
① B 5619=07/m ³ —B					3,14,387 ^{cc}
			C/O, B		1,03,35750 ^{cc}

Continuation

Continuation