

M/Scheme 1 — Maseurki Pitras Road se Tiskhona In
Maseurki Block — length: — 1.400 c.m.
Shedule XLV Form No. 134.

M/cont: — Krishna murari Singh — Mahsy (G) (G) (G)

DIVISION

~~M/cont: — Mahsy~~

SUB-DIVISION

Agm. — 9/SBD/2021-22

Measurement Book

M. B. Nos — 1249

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	<u>2nd on A/C</u>				
Name of work:	Construction and 5th year maints. of road Masaurhi-Pitua road to Tis Khori in Masaurhi Block Under community (SC)				
Name of Agency:	Sri Krishan Muryani Singh, Dhanauhi Masaurhi Patna				
Agreement No.	09/SB/2021-2022				
Date of start	14-07-2021				
Date of completion	13-07-2022				
	<u>Measurement</u>				
1. Constn of embankment with ^{approach} 100 m lead -	- - - EI				
	$2 \times 14 \times 25.0 \times 1.2 \times 0.35 = 122.1 \text{ m}^3$				
Defect for sub grade					
Inflakes	$2 \times 14 \times 25.0 \times 1.85 \times 0.35 = 453.25 \text{ m}^3$				
(A) With 100 m lead -	-				
	$453.25 \text{ m}^3 \times 0.30 = 135.97 \text{ m}^3$				
(B) With 100 m lead -	-				
	$453.25 \text{ m}^3 \times 0.70 = 317.27 \text{ m}^3$				
2. Constn. of earthen sub-grade with -	- - - EI				
	$2 \times 36 \times 25.0 \times 1.40 \times 0.20 = 490.00 \text{ m}^3$				
	$2 \times 36 \times 25.0 \times 1.20 \times 0.75 = 162.00 \text{ m}^3$				
	$2 \times 20 \times 25.0 \times 0.625 \times 0.160 = 100.00 \text{ m}^3$				
	$2 \times 20 \times 25.0 \times 0.375 \times 0.100 = 37.50 \text{ m}^3$				
	$= 789.50 \text{ m}^3 = 789.50 \text{ m}^3$				

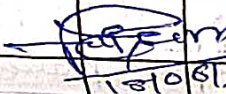
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3. Filling in cut - 62					
2 x 10 x 25.00 x 0.375 x 0.1226.25					
					26.25 m ³
4. Pro. laying Spreading and Compacting Gravel - 62					
At start point 1 x 5.00 x		8.30	4.40	2	31.75 m ²
1 x 5.00 x		4.40	3.80	=	20.50 m ²
1 x 10.00 x		3.80	3.75	=	37.75 m ²
2 x 25.00 x		3.75	3.75	=	187.50 m ²
1 x 15.00 x		3.75	4.40	=	61.12 m ²
Turning 1 x 10.00 x		4.40	3.70	=	40.50 m ²
1 x 25.00 x		3.70	3.80	=	93.75 m ²
Cur 1 x 8.00 x		3.80	4.10	=	31.60 m ²
1 x 7.00 x		4.10	3.75	=	27.47 m ²
1 x 25.00 x		3.75	3.75	=	93.75 m ²
Turning 1 x 15.00 x		3.75	4.40	=	61.12 m ²
1 x 10.00 x		4.40	3.70	=	40.50 m ²
Turning 1 x 15.00 x		3.70	4.30	=	60.00 m ²
1 x 10.00 x		4.30	3.75	=	40.25 m ²
1 x 25.00 x		3.75	3.75	=	93.75 m ²
and 1 x 7.00 x		3.75	3.75	=	26.25 m ²
					947.50 m ² x 0.075
					= 71.067 m ³
10/02/2022					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5. Pro. and applying primer					
Coat with — — —					
Area Vidertan No 8PH5					22362.40m ²
Area Vidertan No 4PH15					947.56m ²
					<u>23309.96m²</u>
					= 3309.96m ²
5. Pro. and applying tack					
Coat with — — —					
Area Vidertan No 5PH16					
					= 3309.96m ²
7 Pro. laying and rolling of close graded					
Area Vidertan No 5					
Page No 16					
					= 3309.96m ²
8. Pro. Laying Spreading and Compacting Gravel					
Impce					
1x13.20 x 2.30 + 1.60					= 25.74m ²
4x0.60 + 3.10					= 9.40m ²
14.20 x 3.10 + 2.60					= 40.47m ²
1x5.20 x 1.80 (avg)					= 9.36m ²
1x8.60 x 3.00 (avg)					= 25.80m ²
1x17.00 x 2.60 + 2.40					= 42.50m ²
1x12.00 x 2.60 + 2.70					= 38.50m ²
1x9.30 x 2.70 + 3.40					= 28.36m ²
Tree 1x9.50 x 7.00 + 6.10					= 62.22m ²
1x11.50 x 6.10 + 5.20					= 64.97m ²
3x12.00 x 3.75 + 3.75					= 168.75m ²
1x10.50 x 3.75 + 3.75					= 39.37m ²
					<u>532.22m²</u>
					+ 23.22m ²
					= 555.44m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF =	53.22 m² 55.44 m²
	1x3.00x	4.00	2.65	=	9.97 m ²
	1x13.00x	2.65	3.75	=	41.60 m ²
	1x6.50x	3.75	5.30	=	29.41 m ²
	1x2.75x	2.65	3.65	=	16.38 m ²
कांग्रेस पार्क	1x6.30x	1.00	1.10	=	6.61 m ²
गुनेश पार्क	1x14.15x	2.10	2.00	=	29.00 m ²
रामानन्द पंडित	1x7.00x	3.30	3.10	=	22.40 m ²
	1x5.50x	3.10	1.80	=	13.47 m ²
	1x6.70x	3.70	2.70	=	18.31 m ²
	1x11.10x	1.80	1.50	=	18.31 m ²
	1x3.00x	1.90	2.00	=	5.85 m ²
सुनील मेडी	1x4.00x	3.70	4.00	=	15.40 m ²
	1x11.70x	2.50	2.50	=	29.25 m ²
	1x7.00x	1.30	1.70	=	10.50 m ²
दूरवन मेडी	1x8.60x	1.70	2.50	=	18.06 m ²
	1x2.50x	0.60	0.60	=	1.50 m ²
	1x8.60x	1.40	1.20	=	11.18 m ²
	1x6.00x	2.20	2.25	=	13.35 m ²
	1x8.00x	0.60	0.60	=	4.80 m ²
	1x9.50x	0.80	0.90	=	8.07 m ²
मिहरेडोरी रविदास	1x6.20x	0.75	0.65	=	4.34 m ²
				=	859.98 m ²
				=	883.20 m ²
				=	883.20 m ²
				=	66.24 m ³
				=	66.24 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9. Constn of Unrurfed					
Current Concrete - ET					
Area of side of wall					
Page No. 17 marked "Y"					
$88.52 \times 0.16 = 14.1632 \text{ m}^2$					
$14.1632 \times 0.16 = 2.266112 \text{ m}^3$					
$= 2.2661 \text{ m}^3$					
$88.52 \times 0.16 = 14.1632 \text{ m}^2$					
$= 14.1632 \text{ m}^2$					
10. Proo. Kilometer stand					
2 Nos.					
11. Proo. 200 m stone - ET					
5 Nos.					
12. Proo. Current Concrete for Boundary pillar - ET					
$(8 \times 5 + 6 \times 1) = 46 \text{ Nos.}$					
13. Proo. fixing of 60 mm equilateral triangular - ET					
4 Nos.					
14. Proo. fixing of 90 mm - ET					
2 Nos.					
15. Proo. fixing of 60 mm x 45 mm rectangular - ET					
2 Nos.					
16. Proo. fixing of Hot applied					
$2 \times 35 \times 25 \times 0.16 = 28 \text{ m}^2$					
$= 28 \text{ m}^2$					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
17. Proc. & laying of Hot applied Thermo — — — EP					
2x20x25.0x0.10=100.00m ²					
= 100.00m ²					
18. Plantation of trees by the road — — — EP					
90 Nos.					
19. Proc. and laying of a Cement concrete pipe 300mm dia					
11 x 2.50 x 2.75m					
20. Proc. Erecting direction and place identification EP					
1 Nos.					
21. Proc. laying of typical of masonry — — — EP					
2 Nos.					
22. Painting steel with EP					
2x5x6.15x1.25 = 76.87m ²					
2x5x6.15x0.60 = 36.90m ²					
2x5x6.15x0.40 = 24.60m ²					
4x5x0.40x0.60 = 4.80m ²					
2x5x6.15x1.00 = 61.50m ²					
= 204.67m ²					
18/06/2022					
18/06/2022					
18/06/2022					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Materials statement</u>					
① E/c work	-				1242.74m ³
② Coarse Sand	-				26.25m ³
③ Stone metal	-				106.55m ³
④ Coarse sand	-				136.57m ³
⑤ Stone chips	-				127.2m ³
⑥ Emulsion ss	-				2813.47kg
⑦ Emulsion Ps,	-				710.24kg
⑧ Bitumen	-				6288.93kg
⑨ Stone chips					89.37m ³
⑩ Coarse Sand					19.86m ³
 1310812022 13108152					

<u>Bitumen Emulsion</u>					
Juno Bituminous Pvt Ltd.					
Luv-Kush Tower Patna-01					
(Magadh Medical College B.M. 46, Gaya, Bihar)					
Invoice No - JBB/22-23/000199					
Date - 08-06-2022					
GSTIN - 10BHP51190K2ZU					
(i) Bitumen Emulsion - RS	-				1.200MT
(ii) Bitumen Emulsion SS	-				3.800MT
Hindustan Petroleum Co Ltd					
Vill-Rukunpur, P.O-Khusrupur,					
P.S - Salimpur, Patna - 803202					
Invoice No - 13674GI22000483					
Date - 08-06-2022					
GSTIN - 10BHP51190K2ZU					
(i) Bitumen VG-10	-				49x161.8 = 7928.20kg

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract cost</u>					
1. Pro. & fixing of working Bench mark — — —	ET				
Vide item No 1 PM-10					
1.40 km e ₹ 11375.23/km = ₹					15925200
2. Clearing & grubbing of road land — — —	ET				
Vide item No 2 PM-10					
0.98 Hec e ₹ 52998.20/Hec = ₹					51938200
3. Excavation for good way in soil — — —	ET				
Vide item No 3 PM-10					
75.00 m ² e ₹ 75.57/m ² = ₹					5668200
4. Constn. of embankment with materials — — —	ET				
578.69 m ³ Vide item No 4 PM-10					
135.97 m ³ Vide item No 1(A) PM-14					
734.66 m ³ e ₹ 192.02/m ³ = ₹					141069200
5. Constn. of embankment with materials — — —	ET				
256.55 m ³ Vide item No 5 PM-10					
317.27 m ³ Vide item No 1(B) PM-14					
573.82 m ³ e ₹ 154.58/m ³ = ₹					88706200
6. Constn. of Sub-grade & earthen — — —	ET				
2268.50 m ³ Vide item No 6 PM-10					
789.50 m ³ Vide item No 2 PM-14					
3058.00 m ³ e ₹ 190.01/m ³ = ₹					581051200
<u>₹ 884357200</u>					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				13578	84,357.20
7. filling in trenches As - CI					
675.00 m ³ Vide item No 7 PM 10					
26.25 m ³ Vide item No 3 PM 15					
701.25 m ³ e π 1924.09/m ³ = π					1349268.20
8. Constn of Gr. S.B with					
well graded - - - CI					
Vide item No 8 PM 11					
729.00 m ³ e π 2537.87/m ³ = π					1850107.20
9. Pro. Laying, Spreading &					
Compacting Gr III - - - CI					
177.18 m ³ Vide item No 9 PM 11					
71.06 m ³ Vide item No 4 PM 15					
248.24 m ³ e π 3295.05/m ³ = π					817963.20
10. Pro and applying primer					
Coat with - - - CI					
Vide item No 5 PM 16					
3309.96 m ² e π 41.111/m ² = π					136072.20
11. Pro. and applying tack					
Coat with - - - CI					
Vide item No 6 PM 16					
3309.96 m ² e π 14.011/m ² = π					46373.20
12. Pro. and laying & rolling					
of close graded - - - CI					
Vide item No 7 PM 16					
3309.96 m ² e π 183.98/m ² = π					608966.20
					5693106.20

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BFF	5693106200
13. Constn of G.S. Bwith					
Well graded - - -				ET	
Vide item No 10 PM-11					
83.25 m ³ BFF	2537.87	m ³	BFF		211278200
14. Proo. laying Spreading and					
Compactly Gr-II - - -				ET	
78.15 m ³ Vide item No 11 PM-11					
66.24 m ³ Vide item No 8 PM-17					
144.39 = 14203 m ³ BFF	3295.05	m ³	BFF		467996200
15. Constn of Un-reinforced					
Concrete - - -				ET	
161.10 m ³ Vide item No 12 PM-11					
141.31 m ³ Vide item No 9 PM-18					
302.41 m ³ BFF	6442.64	m ³	BFF		1948319200
16. Proo. Kilometer stone - - -				ET	
Vide item No 10 PM-18					
2 Nos. ET	2246.90	/Each	-	ET	4494200
17. Proo. 200 m stone - - -				ET	
Vide item No 11 PM-18					
6 Nos. ET	619.08	/Each	-	ET	3714200
18. Proo. Cement Concrete Mission					
Boundary pillar - - -				ET	
Vide item No 12 PM-18					
100 Nos ET	520.13	/Each	-	ET	52013200
19. Proo. & fixing of 60 mm - - -				ET	
Vide item No 13 PM-18					
4 Nos ET	4660.11	/Each	-	ET	18640200
					8399560200

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BFF	839956000
20. Pro. & laying of 900 mm B					
Vide Item No-14 PM-18					
2 Nos eZ 5279.59 / Each = Z					10559200
21. Pro. & laying of 600 mm					
450 mm rectangular - EP					
Vide Item No-15 PM-18					
2 Nos eZ 4539.91 / Each = Z					9080200
22. Pro. & laying of Hot -					
applied thermo - - EP					
Vide Item No-16 PM-18					
175-mm ² eZ 722.30 / m ² = Z					126403200
23. Pro. & laying of Hot applied					
thermo plastic - - EP					
Vide Item No-17 PM-19					
100-mm ² eZ 753.08 / m ² = Z					75308200
24. Planting of trees by -					
the road side - - EP					
Vide Item No-18 PM-19					
90 Nos eZ 844.44 / Each = Z					76000200
25. Pro. and laying of duct					
pipe 30 mm - - EP					
17.50 m Vide Item No-13 PM-11					
27.50 m - Vide Item No-19 PM-19					
45.00 m eZ 835.65 / m = Z					37604200
					Z 8734514200

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				13.57	873424200
26. Prov. & Erecting of direction and place identification - EP					
				Vide item No-20 PM-19	
1 Hose 2 129.12/Each					2129200
27. Providing and fixing of typical of mm 68 - EP					
2 Nos.				Vide item No-24 PM-11	
2 Nos.				Vide item No-21 PM-19	
4 Nos 945397/Each					37816200
28. E/cork in excavation for fall - EP					
				Vide item No-15 PM-12	
148.81 m ³ 30242/m ³					45450200
29. Prov. P.C.C. misindell - EP					
				Vide item No-16 PM-12	
14.80 m ³ 5365.55/m ³					79410200
30. Prov. Concrete for plain/Reinforced Cement Concrete - EP					
				Vide item No-17 PM-12	
153.05 m ³ 5829.07/m ³					892139200
31. Prov. and laying of H.P. - EP					
				Vide item No-18 PM-12	
37.50 m ² 3601.84/m ²					135068200
32. Painting & Coats with - EP					
				Vide item No-29 PM-19	
204.67 m ² 100171/m ²					20502200
					9947028200

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				13 PF	9947028200
Add 1% for Labour					99470200
Add 12% for G. S. T					1193643200
					11240141200
Less 0.15% As per					16860200
					1122328120
Less previous bill					7073577200
					4149704200
					41,49704200
					18/06/2022 JB
					18/06/2022
					18.06.22