

N/scheme:- Construction & 5yr Maintenance of Road Sae.
Kadungani Road Basawale In Phansare
Block (Mmisy 862)
Schedule XLV-Form No.-134

C/N:- Deepak Kumar

DIVISION

Agno:- 90/5RD/2018-19.

SUB-DIVISION

Office no:- 2412-81

1078.

MEASUREMENT BOOK

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>3rd on AIC B-11</u>					
Name of work - Construction & sys maintenance of road for Sai Kadrigang road to Basausha under MHGSY (SC) in Dhanuvar block					
N/Cont. sheet: Sri Deepak Kumar					
Pg no: - 90/SB/D/2018-19					
Sket. date - 8/3/2019					
Int/dt of Completion - 7/12/2019					
Date of Measurement Enty. 25/4/20					
Work done					
(V) Ply & apply Prime					
Cdot wch SS-1					
do do - up 00B					
CH. 00 to 452 M.					
$1 \times 13.60 \times 9.50 + 3.75 = 86.13 \text{ m}^2$					
$5 \times 30.00 \times 3.75 = 562.50$					
$1 \times 30.00 \times 3.75 = 112.50$					
$1 \times 16.50 \times 3.75 + 3.65 + 3.75 = 61.32$					
$1 \times 9.50 \times 4.00 + 4.20 = 38.95$					
$1 \times 10.00 \times 4.20 + 3.75 = 39.75$					
$3 \times 30.00 \times 3.75 = 337.50$					
$3 \times 30.00 \times 3.75 = 337.50$					
$1 \times 30.00 \times 3.75 = 112.50$					
$1 \times 13.60 \times 3.75 = 48.75$					
Total Qty <u>1737.65 m²</u>					
1737.65					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2/10) P/V & applying Form					
Take coat with (R-1)					
do — do — Comp. 001					
Qty same as above					1737.4
Trm. P/29					= 1737.65 m ²
(3/11) Raveling layer 2					
rolling 20 mm fine					
Mix Seal Surface					
(Type B) — do — do					
all comp. 015					
	17	13.00	$\frac{9.50 + 3.75}{2}$		= 86.13 m ²
	5	30.00	3.75		= 562.50
	1	30.00	3.75		= 112.50
	17	16.50	$\frac{3.75 + 3.65 + 3.75}{2}$		= 61.32
on C.D. layer - 1.17	9.50	$\frac{4.00 + 4.20}{2}$			= 38.95
	1	10.00	$\frac{4.20 + 3.75}{2}$		= 39.75
	3	30.00	3.75		= 337.50
	3	30.00	3.75		= 337.50
	1	30.00	3.75		= 112.50
	1	13.00	3.75		= 48.75
	Total Qty =				1737.65 m ²
					1737.4
(4/16) P/V & Grt RCM-15 grade					
KM-Stone — do — do					
	1	2 Nos			= 2 Nos
(5/17) P/V & Grt 200 M Stone					
(forecast) — do — do					
	1	3 Nos			= 3 Nos

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
do - all comp 60'					
C.C. Paving					
					$2 \times 9 \times 30.00 \times 0.10 = 54.00 \text{ m}^3$
					$2 \times 1 \times 29.00 \times 0.10 = 5.80$
					$= 59.80 \text{ m}^3$

(12/25) PVE Fix direction

2 Place. 9 elev. & 100

Seg. Board - 1

1 INU = 1 NO

(13/26) PVE Bit Logo of

Project - 1

Maintenance Board - 2 NK

(14) Construction of Embankment with material obtained from

borrow pit (As per level graph)

Calculation - (Sheet) (Attached with here)

S.N.	Change C/S Area	Mean C/S Area	Distance	Volume
+	(M)	(M ²)	(M)	(M ³)
2. ①	00	6.415	-	-
3. ②	50	5.065	50.00	287.00
4. ③	100	7.034	50.00	302.475
5. ④	150	6.649	50.00	342.075
6. ⑤	200	5.979	50.00	315.700
7. ⑥	250	7.241	50.00	336.500
8. ⑦	300	7.537	50.00	369.450
9. ⑧	350	7.537	50	376.850
10. ⑨	400	8.676	50	405.325

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10)	450	2.636 2.70	5.656 2.449	50.00	282.800 133.400
(11)	500	2.70 2.489	2.668 2.595	50.00	133.100 129.725
(12)	550	2.489	2.595	50.00	129.725
(13)	600	2.727	2.608	50.00	130.400
(14)	650	2.128	2.428	50.00	121.375
(15)	700	1.731	1.930	50.00	96.475
(16)	751	1.637	1.684	51.00	85.884
					Total $\Sigma L = 3709.438$
					with Grout ΣL (say) 3709.000

For Deduction of Grout

(1) Subgrade P/10, $\Sigma L \times \frac{1}{10} = 1071.607 \text{ m}^3$

(11) Earth Shoulder P/27, Mark (F) = 339.78
= 1461.387 m³

(B) Qty of G.S.B. - P/11, $\Sigma L \times \frac{1}{11} = 365.195$
P/12, $\Sigma L \times \frac{1}{12} = 73.301 \text{ m}^3$
P/24, $\Sigma L \times \frac{1}{24} = 6.335 \text{ m}^3$
= 447.831 m³

(C) W.B. (G.S.B.) - P/13, $\Sigma L \times \frac{1}{13} = 127.961 \text{ m}^3$
P/14, $\Sigma L \times \frac{1}{14} = 88.136 \text{ m}^3$
P/25, $\Sigma L \times \frac{1}{25} = 2.24 \text{ m}^3$
= 218.438 m³

(d) Cement Cont. Part - P/16, $\Sigma L \times \frac{1}{16} = 188.183$

(e) Soling - P/7 - P/27, Mark (D) = 18.83

2332.668 m³ - (B)

Net Qty of Embankment = (A - B) = 1374.332 m³
(C)

(D) Material 59% of (C) as per
from 100% = 810.855 m³

$\Sigma L = 1374.332 \times 59/100 = 810.855 \text{ m}^3$

(E) 41% ΣL with 100% = 563.477 m³

Continuation

25/11/20
He

24/11

30/11/20
A.E

Rs 265,509/-

265,509

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6/6) Construction of sub-grade & Earthen Shoulder					
do do do do					
Comp 10L					
1071.607 M ³ (TMB 8/10, 9th 1/6)					
389.781 M ³ (TMB 8/27 9th 3/6, 10th E)					28,4297-
= 1461.387 M ³ @ 194 = 95/M ³ — 2,13,565-					
(7/7) Constn of G.S.B. Gr. I. by					
Brussling well graded material					
do do do do					
368.195 M ³ (P/19, 8th 7/7)					
6.335 M ³ (P/24, 9th 1/7)					
= 374.530 M ³					
@ 2408 = 90/M ³ — 3,41,868-					
(8/8) Constn of W.B.M. Gr. 3					
do do do do Comp					
do do do do					
127.961 M ³ (P/13, 2nd 1/8)					
2.241 M ³ (P/25, 2nd 2/8)					
= 130.202 M ³ @ 3501 = 12/M ³ — 1,55,853-					
(9/9) P.V. 8 applying Primer Coat with (RS-1)					
do do do do					
1737.65 M ² (P/29, 9th 1/6)					
@ 54 = 64/M ² — 94,945-					
(10/10) P.V. 8 applying Take Coat with (RS-1)					
do do do do					
1737.65 M ² (P/30, 9th 2/10)					
@ 19 = 46/M ² — 33,815-					
					2,03,687-

Continuation

2036887-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11/11) P/V Laying & rolling 20mm thick Mix Seal Surfacing (Type B) do do do 1737.9 = 1737.65 M ² (P/20, Sta 3/11) @ 227 = 58/M ² — Rs 395,454=					
(12/12) Const of Un-reinforced C.C. Pavement M-30 do do do all comp 606 188.183 M ³ (P/20, Sta 8/20) (12/12) Const of G.S.B. Gr I. by provided well grade material do do = 73.30 M ³ (P/20, Sta 9/12). @ 2408 = 00/M ³ — Rs 1,76,506=					
(13/13) Const of W.B.M. Gr. 3 do do do all comp 082 = 88.236 M ³ (P/20, Sta 10/13) @ 3501 = 12/M ³ — Rs 3,08,925=					
(14/14) Const of Un-reinforced C.C. Pavement M-30 do do do all comp = 188.183 M ³ (P/20, Sta 11/14) @ 7620 = 76/M ³ — Rs 14,34,097=					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15/15) Layer Brick soling layers or preparation of B. base — do — do					
101.96 M ² (P/18, RL 3/15)					
48.64 M ² (P/28, RL 4/15)					
= 150.60 M ² @ 563 = 75/M ² = Rs 84,901 = 00					
(16/16) P.V.R. Flag K.M. Stone do — do —					
2 Nos (P/30, RL 4/16)					
@ 2439 = 45 each — Rs 4879 = 00					
(17/17) P.V.R. Flag 200 M ² Stone (Prepared) — do					
3 Nos (P/30, RL 5/17)					
@ 687 = 25 each Rs 2062 = 00					
(18/18) Accen-15 Boundary Pillar — do — do					
60 Nos (P/31, RL 6/18)					
@ 510 = 86 each — Rs 30,652 = 00					
(19/19) 600 mm Circular Traffic sign — do —					
8 Nos (P/31, RL 7/19)					
@ 5307 = 83 each — Rs 42,463 = 00					
(20/20) 600 mm equilateral T/Sign — do — do					
4 Nos (P/31, RL 8/20)					
@ 3912 = 51 each — Rs 15,650 = 00					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
21/21) 600 x 450 mm Rect T/Sgt → →					
4 Nos (P/31, 9/21)					
① 5165 = 00 each — Rs 20,660 =					
22/22) P/V 8 Lay + hut applied thermoplastic					
Compd. — do —					
91.80 M ² (P/21, 9/21)					
① 851 = 80/M ² — Rs 78195 =					
23/23) P/V 8 applymp hut applied thermoplastic					
Compd. — do —					
59.80 M ² (P/22, 9/23)					
① 884 = 06/M ² — Rs 52,867 =					
24/24) P/V 8 Flat Rec. P/20. 300 ft clud					
do — do — up 8					
30.00 M ² (P/21, 9/24)					
① 909 = 33/M ² — Rs 27280 =					
25/25) P/V 8 Flat Direction 2 Place 9 clud flat					
54. — do — do					
1 NO (P/32, 9/25)					
① 13560 = 32 each — Rs 13560 =					
26/26) P/V 8 Flat Lap + P MM GSY Project - Board					
2 Nos (P/20, 9/26)					
2 Nos (P/32, 9/26)					
4 NM ① 13818 = 41 each — Rs 55,274 =					

Continuation

4780312

4780312 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(27/27) C/W in concrete for str — do — do					
39.22 M ³ (8/21, 9/14/27)					
① 285 = 71/M ³ — do 11208 =					
(28/28) 1/4" PCC M-15 (1.2.5:5) in landing Coarse in					
of str — do — do					
= 7.79 M ³ (8/21, 9/14/28)					
① 5873 = 24/M ³ — do 45,753 =					
(29/29) P/V PCC M-20 in open for str — do — do					
35.04 M ³ (8/21, 9/14/29)					
① 5873 = 24/M ³ — do 2,05,798 =					
(30/30) P/V & Laying RCC pipe 1/2" 650 φ — do — do					
Comp. 0.5					
= 22.50 M ³ (8/21, 9/14/30)					
① 1292 = 82/M ³ — do 29088 =					
(31/31) Painting two coat on new concrete surface — do — do					
= 44.93 M ² (8/28, 9/14/31)					
① 105 = 0.4/M ² — do 4717 =					
Total → Rs 50,76,876 =					
Less 6.63% exp. below — Rs 3,35,41 =					
Rs 47,41,465 =					
Less provision for material — Rs 40,90,044 =					
Rs 6,51,421 =					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F		Rs 50,768.76 =
Less 0.63% as per below					31,984 =
					Rs 50,448.92 =
Less previous payment					Rs 40,90,044 =
Payable					Rs 9,54,848.2
<i>JE</i>	<i>25/3/20</i>			<i>27/3/20</i>	<i>A.E</i>

Overall Material Statement

(i) Earth - 845	- - -	= 2835.72 m ³
(ii) Stone below (GSB + G3)	- - -	= 694.23 m ³
(iii) Stone screening Type (B)	- - -	= 52.43 m ³
(iv) Coarse Sand (in GSB + G3)	- - -	= 107.50 m ³
(v) Stone Chips	- - -	= 254.83 m ³
(vi) Coarse Sand (same)	- - -	= 19.28 m ³
(vii) Bitumen (S-90)	- - -	= 3.302 MT
(viii) Emulsion (SS-1)	- - -	= 1.477 MT
(ix) Emulsion (RS-1)	- - -	= 0.478 MT

JE
25/3/20

27/3/20

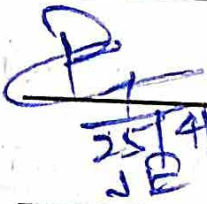
Supplied Materials

Item	dt	Invoice/Account No.	Qty
(i) Bitumen (S-90)	7/12/19	4520135230 (BHARATI PETRO)	3.721 MT
(ii) Emulsion (SS-1)	6/12/19	585/2019-20	1.800 M.T.
" (RS-1)		Continuation	0.600 M.T.

JE
25/3/20

27/3/20

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Balances</u>	<u>Qty. of Bilum Material</u>				
<u>Material</u>	<u>Supplied</u>	<u>Consumed</u>			<u>Balances</u>
Bilum (2-90)	3.721 MT	3.302 MT			0.419 M.T
Emuls (33-1)	1.800 MT.	1.477 MT			0.323 m.T
" (R-1)	0.600 MT	0.478 MT.			0.122 MT.
 25/4/20 J E					
