

M.S.C

House of Ram Keshel Ramni

Schedule XLV-Form No. 134

Agenda No 7550.1
2020.1

Division Sub-Division

Sub-Division Agenda No - 6431

749

MEASUREMENT BOOK

Abhishek Kumar, Arbel

7

PAGE

दशरूप के नाम से जाना जाता है

कार्यपालक अभियंता
प्रमाणित कार्य विभाग, कार्य प्रमण्डल
15/12/2021
काउन्सिलर

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1st & Final Bill

1

Name of Work-
 Situation of Work-
 Agency by which work is executed-
 Date of Measurement-
 No. and date of agreement

(These four lines should be repeated at the commencement of the measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work - Const. of road from house of Ram Keshav Raman					
to 6034/meters m.m. (sy.)					
Agency - Abhishek Kumar.					
Agreement No. - 75 BBD/2020-21					
Date of commencement -				11-12-2020	
Date of completion -				10-12-2021	
Date of order -				16-2-22	

6/100 calculation chart

CH.	Dist	Full Area	Full Val.
0	-	4.465	-
50	50	2.985	186.230
100	50	4.341	183.130
150	50	4.847	229.700
200	50	4.495	233.560
250	50	4.679	229.350
300	50	4.884	239.060
350	50	4.880	244.100
400	50	4.657	238.440
			1783.570 (H)
450	50	4.927	239.590
500	50	4.917	246.100

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
G.H. dist	Fill	Area	Fill	val.	
550	50	5.023	248.510		
600	50	5.207	255.750		
650	50	4.700	247.690		
700	50	5.025	243.140		
750	50	4.046	226.780		
800	50	4.867	222.830		
850	50	5.057	248.110		
900	50	4.357	235.340		
950	50	4.842	229.960		
1000	50	5.498	258.500		
1050	50	5.063	264.030		

1100	50	5.027	252.250		
1115	15	4.797	73.690		
			3492.270	(B)	

① with 1000m lead.

Ded. 3492.270 (B)

G.B.B (-) 590.730

WBW (-) 205.120

sub-shoulder (-) 2084.390

2880.240 (-) 2880.240

612.03 m²

① with 1000m lead. (A) 1783.570

Ded.

G.B.B (-) 163.350

WBW (-) 244.800

PCC

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Final PCC str. (E)	25	0.00			
Sub grade	100	0.500			
	533	650	(-)	533	650
					1249.92 m ²
CD- 600 mm dia H.P. - 2 nos.					
① P/W in extra radii in final.					
2x 3.90m x 1.15m x 1.50m =					13.455
1x 5.35m x 1.13m x 0.365m =					2.207
					15.66 m ³
					2x 15.66 m ³ = 31.32 m ³
② Providing PCC in 5 m					
Final.					
				0.15m	
2x 3.90m x 1.15m x 0.25m =					1.3455
1x 5.311m x 1.13m x 0.25m =					1.500
					2.850
					2x 2.85 m ³ = 5.70 m ³
③ Providing PCC in 20 m					
Sub-str.					
2x 3.60m x 0.700m x 2.78m =					14.011
2x 3.60m x 0.40m x 0.60m =					1.728
Left					
2x 0.7857 x (0.83) ² x 0.53m = (-) 0.574					
					15.17 m ³
					2x 15.17 m ³ = 30.34 m ³
④ Providing P-laying					
600 mm dia N.P. H.P.					
2x 3x 2.50m =					15.00 m

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑤ Painting on parapet.					
	2	3.600 m	0.40 m		2.88 m ²
	4	3.60 m	0.60 m		8.64
	4	0.40 m	0.60 m		0.96
					12.48 m ²
	2	12.48 m ²			24.96 m ²
⑥ Paving & laying 300mm dia H.P. irrigation conduit.					
	3	4	2.50 m		30.00 m ²
⑦ Setting out pillars.					
⑧ Benchmark pillars -					2 Nos.
⑨ Reference pillars -					4 Nos.
⑩ Clearing & grubbing.					

$$2 \times 1.115 \text{ m} \times 3.50 \text{ m} = 0.78 \text{ Ha.}$$

⑪ Box cuttings.

$$2 \times 400 \text{ m} \times 0.375 \text{ m} \times 0.100 \text{ m} = 30.00 \text{ m}^3$$

⑫ const. of embankment by
roadway cutting.

$$\frac{30.00 \times 60}{100} = 18.00 \text{ m}^3$$

⑬ const. of sub-grade.

$$715.00 \text{ m} \times 7.276 \text{ m} \times 0.30 \text{ m} = 1560.70$$

⑭ with 1000m lead.

$$1560.70 \times \frac{30}{100} = 468.21 \text{ m}^3$$

⑮ with 100-m lead.

$$1560.70 \times \frac{70}{100} = 1092.49 \text{ m}^3$$

⑯ Shallow

16-2-22
JE

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Date of measurement</u> = 25-2-22					
① Const. of G.S.B. pr-I.					
$4 \times 25\text{m} \times 4.05\text{m} \times 0.200\text{m} =$					81.00
$4 \times 25\text{m} \times 4.05\text{m} \times 0.200\text{m} =$					81.00
$4 \times 25\text{m} \times 4.05\text{m} \times 0.200\text{m} =$					81.00
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$4 \times 25\text{m} \times 4.05\text{m} \times 0.200\text{m} =$					81.00
$4 \times 25\text{m} \times 4.05\text{m} \times 0.200\text{m} =$					81.00
$4 \times 25\text{m} \times 4.05\text{m} \times 0.200\text{m} =$					81.00
$1 \times 15\text{m} \times 4.05\text{m} \times 0.200\text{m} =$					12.15
$4 \times 14.45\text{m} \times \frac{0.20}{2} \times 0.200\text{m} =$					11.56
					590.71
width of m.c. provided					m ³

<u>Profile correction</u>					
62 m x 3.0m x 0.100m =					18.60 m ³
2x 400m x 0.375m x 0.100m =					30.00
					639.31 m ³

Shoring
25-2-22
off

Date of measurement = 5-3-22

① Providing W.B.M. pr-III ...

4x25m x 3.75m x 0.075m =	28.125
4x25m x 3.75m x 0.075m =	28.125
4x25m x 3.75m x 0.075m =	28.125
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4x25m x 3.75m x 0.075m =	28.125
4x25m x 3.75m x 0.075m =	28.125
4x25m x 3.75m x 0.075m =	28.125

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x15mx	3.75m	0.075m			4.21
curve 4x13.4m	2.0	0.075m			4.02
C.C. Pavement					205.105
4x25mx	3.75m	0.075m			28.125
4x25mx	3.75m	0.075m			28.125
4x25mx	3.75m	0.075m			28.125
4x25mx	3.75m	0.075m			28.125
curve 2x15mx	0.125	0.075m			2.25
					319.855
					m ²
Sharma					
5-3-22					
JEE					

Date of measurement - 20.3.22

① Bowling C.C. Pavement 130

$$4 \times 25 \text{ m} \times 3.75 \text{ m} \times 0.16 \text{ m} = 60.00$$

$$4 \times 25 \text{ m} \times 3.75 \text{ m} \times 0.16 \text{ m} = 60.00$$

$$4 \times 25 \text{ m} \times 3.75 \text{ m} \times 0.16 \text{ m} = 60.00$$

$$4 \times 25 \text{ m} \times 3.75 \text{ m} \times 0.16 \text{ m} = 60.00$$

$$\text{curve} \quad 4 \times 15 \text{ m} \times \frac{0+1.0}{2} \times 0.16 \text{ m} = 4.80$$

$$244.80 \text{ m}^2$$

② Bowling mats (Type-B)

$$4 \times 25 \text{ m} \times 3.75 \text{ m} = 375.00 \text{ m}^2$$

$$4 \times 25 \text{ m} \times 3.75 \text{ m} = 375.00$$

$$4 \times 25 \text{ m} \times 3.75 \text{ m} = 375.00$$

$$4 \times 25 \text{ m} \times 3.75 \text{ m} = 375.00$$

$$4 \times 25 \text{ m} \times 3.75 \text{ m} = 375.00$$

$$1 \times 15 \text{ m} \times 3.75 \text{ m} = 56.25$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4x25m x 3.75m =					375.00 m ²
4x25m x 3.75m =					375.00
curve 4x13.4m x $\frac{0+2+0}{2}$ m =					53.60
					2734.85 m ²
③ Providing Prime coat					
Area wide m.s.s.					2734.85 m ²
④ Providing tack coat.					
Area wide m.s.s.					2734.85 m ²
⑤ Providing 11m stone					3 Nos.
⑥ Providing 20cm stone					4 Nos.
⑦ Providing 'Logo' board					4 Nos.
⑧ Boundary pillars					15 nos.
⑨ Traffic Sign.					
⑩ 600mm sq. Triangle					10 Nos.
⑪ 600mm circulars					6 Nos.
⑫ 800mm x 600mm rectangular					4 Nos.
⑬ 600mm x 450mm rectangular					4 Nos.
⑭ 900mm side octagon					2 Nos.
⑮ Road marking on S.T. surface.					
2x 71.5m x 0.100m =					143.00 m ²
⑯ Road marking on C.I. surface.					
2x 400m x 0.100m =					80.00 m ²
⑰ Planting of Tree					50 Nos.
⑱ const. of earthen shoulder					

Continuation

Continuation

material statement

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Hem	sand	cl	metal		Patman
① p.c.					
5.70					
30.34					
36.04	16.22	32.44			
② 988.					
639.16	230.10	-	536.90		
③ W.B.					
319.855	76.76	387.02			
④ CC pavement					
244.80	110.16	220.32			
⑤ m.s. tire-B.					5-90
2734.85	✓	73.84	111		5.196 mT 32 chum.
⑥ Prime coat					58-I
2734.85	-	-	-		2.324 mT
⑦ Tack coat					R3-I
2734.85	-	-	-		0.752 mT
Total.	356.48	402.36	923.92		
⑧ E/W	612.03				
	1249.92				
	1560.70				
	624.19				
	4046.84 m ² .				
⑨					
⑩					
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Continuation

ABSTRACT OF COST

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Setting out pillars.					
② Bench mark pillars.					
2 Nos. P-4					
@ 3637 = 83 each					7,276 = 00
③ Reference pillars.					
4 Nos. P-4					
@ 1661 = 26 each					6,645 = 00
④ Clearing & grubbing					
0.78 Hare - 4					
@ 52966 = 72 / ha					41,314 = 00
⑤ Bord cutting					
30.00 m ³ P-4					
@ 74 = 23 / m ²					2,227 = 00
⑥ Const. of embankment by secondary cutting.					
18.00 m ³ P-4					
@ 26 = 17 / m ²					471 = 00
⑦ Const. of embankment with 100 m lead.					
612.03 m ³ P-2					
@ 142 = 76 / m ²					87,067 = 00
⑧ Const. of embankment with 100 m lead.					
1249.92 m ³ P-3					
@ 187 = 92 / m ²					234,885 = 00
⑨ Const. of subgrade					
					379,885 = 00

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
on the x shoulder				
with 100cm level				
468.27 m ² P-4				
187.25 m ² P-8				
655.46 "				
@ 187.25/m ² =				124,249.00
(9) cement concrete				
on the x shoulder				
with 100cm level				
1092.49 m ² P-4				
436.93 m ² P-8				
1529.42 "				
@ 1529.42/m ² =				235,974.00
(10) Providing G.S.B. gravel				
639.31 m ² P-5				
@ 2180.62/m ² =				1394,092.00
(11) Providing 10. B.M. gravel				
319.855 m ² P-6				
@ 2665.65/m ² =				852,621.00
(12) Providing Prime coat				
2734.85 m ² P-7				
@ 43.08/m ² =				117,817.00
(13) Providing Tack coat				
2734.85 m ² P-7				
@ 14.87/m ² =				40,667.00
				3145,305.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) Boundary m.s.s. Type-B					
2734.85 m ² P-7					
@ 182 = 10/m ² - ₹					498,016=00
(14) Const. of C.C. Pavement m.s.s.					
244.80 m ² P-6					
@ 5679 = 49/m ² - ₹					1390,339=00
(15) Boundary Km & P.W.					
3 Nos. P-7					
@ 1962 = 42 each - ₹					5,887=00
(16) Boundary 200m stone					
4 Nos. P-7					
@ 559 = 02 each - ₹					2,236=00
(17) Boundary 'Log' up mm C-34 project.					
4 Nos. P-7					
@ 945 = 81 each - ₹					37,831=00
(18) Boundary pillars.					
15 Nos. P-7					
@ 485 = 84 each - ₹					7,288=00
(19) 600mm eq. Triangls					
10 Nos. P-7					
@ 5594 = 53 each - ₹					35,945=00
(20) 600mm circ. pillars.					
6 Nos. P-7					
@ 4819 = 38 each - ₹					28,916=00

51,51,763=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(iii) 800mm x 600mm rectangular glass.					
4 Nos. P-7					
@ 6719 = 35 each ₹					26,877=00
(iv) 600mm x 450mm rectangular.					
4 Nos. P-7					
@ 4694 = 00 each ₹					18,776=00
(v) 900mm side octagon					
2 Nos. P-7					
@ 8571 = 10 each ₹					17,142=00

(20) Road marking on D.T. surface.					
143.00 m ² P-7					
@ 721 = 90/m ² - ₹					103,232=00
(21) Road marking on C.C. surface.					
80.00 m ² P-7					
@ 810 = 70/m ² ₹					64,856=00
(22) Planting of tree.					
50 Nos. P-7					
@ 844 = 36 each ₹					42,218=00
(23) C/W in evaluation with incl.					
31.32 m ² P-7					
@ 279 = 09/m ² - ₹					8,741=00

54,33,605=00

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
(24) Providing PCC m/s in fund.				
5.70 m ² P-3				
@ 4495 = 60/m ² ₹			2.5	625 = 00
(25) Providing PCC m/s in SUB. str.				
30.34 m ² P-3				
@ 5194 = 68/m ² ₹			157	607 = 00
(26) Painting on parapet				
24.96 m ² P-4				
@ 100 = 76/m ² ₹			2515	= 00
(27) Providing 600mm dia NP3 H.P.				
15.00 m P-3				
@ 2149 = 30/m ² ₹			32	240 = 00
(28) Providing 300mm dia H.P. irrigation canal				
30.00 m P-4				
@ 938 = 62/m ₹			28	159 = 00
			5679.7	51 = 00 50 = 00
Add 12.1 C.S.T. — (+)			681570	= 00
Add 14. L. C.S.T. — (+)			56798	= 00
Add 1.2187% S. Fee (+)			69219	= 00
			6487338	= 00
Less 0.81% below (-)			52547	= 00
Net			6434791	= 00 6434791 = 00

Checked
20.3.22
JE

Signature
21/3/22
AN