

M¹U¹S¹
M.S.C

Schedule XLV-Form No. 134

Taitpur Malloa Path to
Pathrool at 4.5 PM 12/11/84

DIVISION

21911000 3100000, 21911000-41314-100

SUB-DIVISION

21911000 3100000, 21911000

MEASUREMENT BOOK

610

21911000 3100000, R.K. Engicom

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 measurements relating to each work).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work - Const. of road from					
Jaitpur Malhara Path to					
Pathraul. MMGSY (SC)					
Agency - R.K. Engicom Pvt. Ltd.					
Agreement No - 24/SB/14MSYS/20-21					
Date of commencement - 12.06.20					
Date of completion - 11.08.21					
Date of measurement - 15.1.21					
① Dismantling P.C.C.					
3x1x3.50m @ 1.14m x 0.15m =					1.80 m ³
1x3.50m @ 1.54m x 0.15m =					0.81
					2.61 m ³
② Dismantling of cement mortar					
3x2x4.20m @ 0.825m x 2.50m =					51.975
2x6.20m @ 0.825m x 3.00m =					30.69
					82.665 m ³
③ Removing H.P.					
(i) 600mm dia - 3x7.50m =					22.50 m
(ii) 600mm to 900mm					
2x2.50m =					5.00 m
④ Providing 300mm H.P. Irrigation conduit					
3x4x2.50m =					30.00 m

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1000 mm dia H.P.					
① E/W in excavation in found.					m^2
$2 \times 6.45m \times 1.40m \times 1.50m =$					27.09
$1 \times 4.85m \times 1.53m \times 0.365m =$					2.708
$29.80 \times 2 =$					59.60 m^2
② Providing PCC in 15 in found.					
$2 \times 6.45m \times 1.40m \times 0.15m =$					2.709
$1 \times 4.931m \times 1.53m \times 0.25m =$					1.886
					4.60 m^3
$4.60 m^3 \times 2 =$					9.20 m^3
③ Providing PCC in 20 in sub-str					
$2 \times 6.15m \times 0.825m \times 3.18m =$					32.269
$2 \times 6.15m \times 0.40m \times 0.60m =$					2.952
Less $2 \times 0.7857 \times (1.23)^2 \times 0.622 =$					1.478
					33.74 m^3
$33.74 m^3 \times 2 =$					67.48 m^3
④ Providing & laying PCC in 1000 mm dia N.P. H.P.					
$2 \times 3 \times 2.50m =$					15.00 m
600 mm dia H.P.					
⑤ E/W in excavation in found.					
$2 \times 6.45m \times 1.5m \times 1.50m =$					13.455
$1 \times 5.35m \times 1.3m \times 0.365m =$					2.207
					15.66
$15.66 m^2 \times 2 =$					31.32 m^3
⑥ Providing PCC in 15 in found.					

Continuation

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Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of measurement	20.1.21				
① (6) calculation sheet					
C.P.	Dist.	Fill Area		Fill vol.	
0	—	2.295		—	
50	50	4.120	160	.380	
100	50	6.390	252	.750	
200	50	4.419	259	.480	
250	50	5.943	259	.050	
300	50	4.177	253	.000	
350	50	6.008	254	.630	
400	50	6.254	306	.550	
450	50	4.088	258	.550	

500	50	6.143	255	.780	
550	50	6.986	328	.230	
600	50	5.262	306	.200	
650	50	6.452	292	.850	
700	50	6.986	335	.950	
750	50	3.652	265	.950	
800	50	4.363	200	.380	
875	75	2.658	263	.290	
			729	.62	

② (A) 1000 m. lead = 3842.15 m³ (B)

Less G.B.B.	578.34				
W.B.M. III	200.81				
subgrade & shoulder	2040.66	(-)	2819.81		
			1022.34	m ³	

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15) (B.) 1000 m lead				729	62 m ³
Leas G.S.B. w BM gr-IX			(-)	117.14	
PCC			(-)	107.10	
Hard shouldering			(-)	10.938	
subgrade & shoulder			(-)	43.97	
				450.47	m ²
(2) Const. of sub-grade.					
700 m x 7.276 m x 0.30 m =					1527.96 m
(16) with 1000 m lead 30% =					458.38
(17) with 100 m lead 70% =					1069.57
 20.10 21 25.1 25 					
Date of measurement: 25.1.21					
(1) Providing G.S. B. gr-I					
4 x 25 m x 4.05 m x 0.200 m =					81.00 m ³
4 x 25 m x 4.05 m x 0.200 m =					81.00
4 x 25 m x 4.05 m x 0.200 m =					81.00
4 x 25 m x 4.05 m x 0.200 m =					81.00
4 x 25 m x 4.05 m x 0.200 m =					81.00
4 x 25 m x 4.05 m x 0.200 m =					81.00
4 x 25 m x 4.05 m x 0.200 m =					81.00
					567.00 m ³
 25.1 25 25.1 25 					
 25.1 25 25.1 25 					

Continuation

AR

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of measurement	30.1.21				
For finding up. B.M. gr. III					
$4 \times 25 \text{ m} \times 3.75 \text{ m} \times 0.075 \text{ m} =$					28.125
$4 \times 25 \text{ m} \times 3.75 \text{ m} \times 0.075 \text{ m} =$					28.125
$4 \times 25 \text{ m} \times 3.75 \text{ m} \times 0.075 \text{ m} =$					28.125
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$4 \times 25 \text{ m} \times 3.75 \text{ m} \times 0.075 \text{ m} =$					28.125
					196.875 m
<i>[Signature]</i>	30.1.21				
<i>[Signature]</i>					

Material statement			
Item	Sand	chips	metal,
① PCC			
112.71	50.72	101.44	
② C7.5B.			
567.00	145.15		580.60
③ B.M. gr. III			
196.875		47.25	238.21
Total =	195.87	148.69	818.81
④ E/W = 3000.77 m ²			
<i>[Signature]</i>	30.1.21		

Continuation

ABSTRACT OF COST

7.
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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Setting out pillars.					
① Bench mark pillars.					
1 Nos. P-3					
@ 3933 = 81 each ₹					3934=00
② Reference pillars.					
3 Nos. P-3					
@ 1778 = 12 each ₹					5,334=00
② Clearing & grubbing					
0.61 Ha. P-3					
@ 51133 = 76/Ha ₹					31,192=00
③ Const. of embankment with lead 100 m.					
450.47 m ³ P-5					
@ 174 = 94/m ³ ₹					78,805=00
④ Const. of embankment with 100 m lead					
1022.34 m ³ P-4					
@ 131 = 03/m ³ ₹					133,957=00
⑤ Const. of sub-grade with 100 m lead.					
458.38 m ³ P-5					
@ 176 = 58/m ³ ₹					80,941=00
⑥ Const. of sub-grade with 100 m lead					
1069.57 m ³ P-5					
@ 141 = 17/m ³ ₹					150,991=00

Continuation

CO 485,154=00

B
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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) Provision G.S.B. p-1					
567.00 m ² p-5					
@ 2127 = 17/m ² - 2				12,06	105=00
(8) Provision W.B. mgt-III					
196.875 m ³ p-6				5,49	865=00
@ 2792 = 71/m ³ - 2				5,60	804=00
(9) E/W reinforcement in foot					
59.60 m ³ p-2					
@ 269 = 32/m ³ - 2				16	051=00
(10) Provision PCC m15 in foot					
460 m ³ p-2					
920 m ³ p-1					
@ 4478 = 22/m ³ - 2				41	200=00
(11) Provision PCC m20					
in sub-structure					
67.48 m ³ p-2					
@ 5188 = 35/m ³ - 2				3,50	110=00
(12) Provision plastering 1000 mm					
dia N.P. H.F.					
15.00 m p-2					
@ 3953 = 23/m ² - 2				59	298=00
(13) E/W reinforcement in foot					
in foot					
31.32 m ³ p-2					
@ 269 = 32/m ³ - 2				8	435=00
(14) Provision PCC m15 in foot					
5.69 m ³ p-3					
@ 4478 = 22/m ³ - 2				25	481=00

Continuation

2741649=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15) Providing PCC m20 in sub-str.					
30.34 m ³ P3					
@ 5188 = 35/m ³ - ₹				157,415=00	
(16) Providing & Laying 600 mm NP3 H.P.					
15.00 m P3					
@ 1096 = 91/m - ₹				16,454=00	
(17) Providing & Laying 300 mm dia H.P. (irrigation conduit)					
30.00 m P1					
@ 930 = 37/m - ₹				27,911=00	
(18) Dismantling PCC.					
2.61 m ³ P1					
@ 484 = 74/m ³ - ₹				1,265=00	
(19) Dismantling cement mortar.					
82.665 m ³ P-1					
@ 231 = 77/m ³ - ₹				19,159=00	
(20) Removing H.P.					
① 600 mm dia.					
22.50 m P-1					
@ 174 = 78/m - ₹				3,933=00	
(21) 600 mm to 900 mm dia.					
5.00 m P-1					
@ 236.34/m - ₹				1,182=00	

Continuation 2968,968=00

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
29.10.10. Below (-)			29,689	68=00
			29,689	97=00
Sharma			26,72	071=00
30.10.10				
30.10.10				
419 12% GST = (41) R. 3,52,278.00				
419 1% Labour cost (41) R. 29,690.00				
TD for R.			33,54,936.00	
Less 10% Deduction - (41) R. 3,35,494.00				
			R. 30,19,442.00	
21.10.10				

Continuation