

MMB3

Magyar to Kalyani

99 12/10/81

Schedule XLV-Form No. 134

CHANDAN SINGH and JAGGI and Me DIVISION

613364111

CHANDAN SINGH and Me 80-3197 SUB-DIVISION

MEASUREMENT BOOK

638

4948 → Sri Rakesh Roshan Singh

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:- Construction of					
Road from Mayapur To					
Kadiyahi					
Agency:- Sri Rajesh Kumar					
Singh.					
Agreement No.:- 35 SBD/MMGSVSC/2020-21					
Date of Commencement:- 12-06-2020					
Date of Completion:- 11-03-2021					
Details of measurement					
1/ Setting out work:					
(a) PAF Benchmark Pillar = 1 No					
(b) PAF Reference Pillar = 3 Nos					
2/ Clearing and grubbing					
Road land					
$100 \times 30.00 \times 3.50 = 2100.00 \text{ m}^2$					
$102 \times 30.0 \times 3.50 = 2100.00 \text{ m}^2$					
$5 \times 2 \times 30.00 \times 3.50 = 1050.00 \text{ m}^2$					
					5250.00 m ²
					0.525 Ha
3/ PAF Logoff MMGSV					
Citizen information board					
					2 Nos
4/ Construction of embankment					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
with approved material					
Ch. $4/A(m^2)$	$4/A(m^2)$	$4/A(m^2)$	$4/A(m^2)$	$4/A(m^2)$	$4/A(m^2)$
00	0.055	—	—	—	—
50	0.260	0.158	50	7.875	
100	0.329	0.295	50	14.725	
150	0.145	0.237	50	11.850	
200	0.144	0.145	50	7.225	
250	0.523	0.334	50	16.675	
300	0.533	0.528	50	26.400	
350	0.415	0.475	50	23.700	
400	0.723	0.569	50	28.450	
450	0.415	0.569	50	28.450	
500	0.350	0.383	50	19.125	
550	0.781	0.566	50	28.275	
600	0.995	0.888	50	44.400	
650	0.712	0.854	50	42.675	
700	0.658	0.685	50	38.250	
750	0.401	0.530	50	26.475	
					360.550m ³
(a) For Lead upto 1000m					324.49m ³
90% of 360.550m ³					= 324.49m ³
(b) For Lead upto 100m					
10% of 360.550m ³					= 36.05m ³
5/ Distn Dismantling of structure					
5/ Plain Cement concrete					
$3 \times 1 \times 3.50 \times 1.54 \times 0.15 = 2.43m^3$					
6/ Stone / Brick masonry					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3 X 2 X 6.20 X 0.825 X 2.00 =					92.07 m ³
7/ Mure pipe 600 - ground dia					
3 X 1 X 5.00 =					15.00 m
8/ F/W in excavation for foundation					
M.W. 4 X 2 X 3.90 X 1.15 X 1.50 =					53.82 m ³
Below pipe 4 X 1 X 5.35 X 1.13 X 0.365 =					8.826 m ³
					62.646 m ³
9/ providing RCC Mass grade in					
Leveling course					
M.W. 4 X 2 X 3.90 X 1.15 X 0.15 =					5.382 m ³
Below pipe 4 X 1 X 5.31 X 1.13 X 0.25 =					6.001 m ³
					11.383 m ³
10/ p.p.L RCC MP3 Mure					
Pipe 600 mm dia					
4 X 3 X 2.50 =					30.00 m
11/ PCC M/s grade in Subst.					
Ductate					
Head wall 4 X 2 X 3.60 X $\frac{(1.00 + 0.90)}{2}$ X 2.20 =					56.044 m ³
Parapet 4 X 2 X 3.60 X 0.40 X 0.60 =					86.942 m ³
as for pipe 4 X 2 X 0.785 X 0.830 X 0.535 =					2.296 m ³
					60.66 m ³
12/ providing and laying					
300 mm dia RCC Duct pipe					
2 X 4 X 2.50 =					20.00 m
13/ Construction of Subgrade					
10 X 30.00 X 7.276 X 0.30 =					654.84 m ³
8 X 25.00 X 7.276 X 0.30 =					436.56 m ³
					1091.40 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(a) <u>For Lead up to 1000 m</u>					
30% of 1091.40				=	327.42 m ³
(b) <u>For Lead up to 100 m</u>					
70% of 1091.40 m ³				=	763.98 m ³
A/ <u>Construction of Gab Grit</u>					
10 X 30.00 X 4.05 X 0.20 =					243.00 m ³
1 X 20.00 X $\frac{5.50 + 4.05}{2}$ X 0.20 =					19.10 m ³
1 X 20.00 X 4.60 X 0.20 =					18.40 m ³
4 X 30.00 X 4.05 X 0.20 =					97.20 m ³
1 X 20.00 X 4.55 X 0.20 =					18.20 m ³
1 X 20.00 X 4.35 X 0.20 =					17.40 m ³
8 X 25.00 X 3.75 X 0.10 =					75.00 m ³
					488.30 m ³
15/ <u>FAL WPM (Grit) III</u>					
10 X 30.00 X 3.75 X 0.075 =					84.375 m ³
1 X 20.00 X $\frac{5.50 + 4.00}{2}$ X 0.075 =					7.125 m ³
1 X 20.00 X 4.30 X 0.075 =					6.45 m ³
4 X 30.00 X 3.75 X 0.075 =					33.75 m ³
1 X 20.00 X 4.25 X 0.075 =					6.375 m ³
1 X 20.00 X 4.00 X 0.075 =					6.00 m ³
8 X 25.00 X 3.75 X 0.075 =					56.25 m ³
					200.325 m ³
<u>Shubs</u>					
02-6-21					
J.E					

Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1/ Setting out pillar					
(a) Benchmark pillar					
Qty vide item no 1(a) P(1)					
				= 1 Nos	
@ Rs 3864.11				= Rs	3864.00
1b/ Reference pillar					
Qty vide item no 1(b) P(1)					
				= 3 Nos	
@ Rs 1749.79				= Rs	5249.00
2/ Clearing and grubbing material					
Qty vide item no. 2 P(1)					
				= 0.525 Hk	
@ Rs 51133.76				= Rs	27100.00
3/ Providing and fixing masonry					
Logo & (11) 22h masonry work.					
Qty vide item no. 3) P(1)					
				= 2 Nos	
@ Rs 9219.04				= Rs	18438.00
4/ Construction of embankment					
with approved material					
(a) For Lead up to 100m					
Qty vide item no 4(a) P(1)					
				= 324.49 m ³	
@ Rs 174.94				= Rs	56766.00
(b) For Lead up to 100 m					
Qty vide item no 4(b) P(1)				= 36.05 m ³	
@ Rs 131.03				= Rs	4723.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5/ Dismantalling of RCC					
Qty. vide item no (5) P (2)					
					= 2.43 m ³
@ RS 484.74				= Rs	1178.00
6/ Dismantalling of stone/Brick masonry					
Qty. vide item no (6) P (3)					
					= 92.07 m ³
@ RS 231.77				= Rs	21339.00
7/ Removing of Murrum pipe 600-gauge					
Qty. vide item no (7) P (3)					
					= 15.00 m
@ B 236.34				= B	3545.00
600mm dia HP Culvert					
8/ Excavation for foundation					
Qty. vide item no (8) P (3)					
					= 62.646 m ³
@ B 269.32				= B	16871.00
9/ P&L PCC M15 grade for levelling					
Concrete					
Qty. vide item no (9) P (3)					
					= 11.383 m ³
@ RS 4681.61				= B	53290.00
10/ P&L RCC M20 600mm dia Hump					
Qty. vide item no (10) P (3)					
					= 30.00 m
@ B 1006.11				= B	30183.00
11/ P&L PCC M20 grade in Septum					
Structure					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. vide item no (11) P (3)					
					$= 60.66 m^3$
@ Rs 5457.36					$= Rs. 331043.00$
12/ providing and laying 300mm dia RCC duct pipe					
Qty. vide item no (12) P (3)					
					$= 20.00 m$
@ Rs 892.66					$= Rs. 17853.00$
13/ Construction of Subgrade					
(a) For Lead up to 1000m					
Qty. vide item no 13(a) P (4)					
					$= 327.42 m^2$
@ Rs 176.58					$= Rs. 57815.00$
(b) For Lead up to 100m					
Qty. vide item no 13(b) P (4)					
					$= 763.98 m^2$
@ Rs 141.17					$= Rs. 107851.00$
14/ Construction of 285 GRI					
Qty. vide item no (14) P (4)					
					$= 488.30 m^2$
@ Rs 2400.23					$= Rs. 1172032.00$
15/ Providing, laying and compaction WBM GRI III					
Qty. vide item no (15) P (4)					
					$= 200.325 m^2$
@ Rs 3539.42					$= Rs. 709034.00$
					$Rs. 2638174.00$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
BF R.					Rs 2638174.00
less 10% below				-1 Rs	263817.00
					Rs 2374357.00
Add 12% cost				= Rs	284923.00
Add 1% L-Cost				= Rs	23743.00
					Rs 2683023.00

Shanks
2-06-21
T.F.