

Beharapur Gauri Survey Road to Sitaharapur

Schedule XLV-Form No. 134

(SC)

E. E. B. W. D. (W) **DIVISION**
B7A7A

A. E. B. W. D. (W) **SUB-DIVISION**
FATE-HPD

MEASUREMENT BOOK

M/S Malayan Const.

2972

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 - Construction of Road from Pharpur					
Guri Sarve Road to Sitaranpur under Head MMGSY (SC)					
Name of Agency - M/S Kalyani Construction, At - New Area, Bishan tank, Distt - Gaya					
Agreement No. - 73/SBD/MMGSY/SC/2020-21					
Date of Commencement - 10.12.20					
Date of Completion - 09.12.21					
Date of measurement - 18.02.21					
(i) Construction of Bench mark & Reference Pillar - - - etc					
(i) Reference & working bench mark -					
			1.174 KM		
(ii) Reference Pillar/Buried					
			1.174 K.M.		

Continuation

3rd & Final Bill

17

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work:- Construction of Road from Pahanpur Gura Survey Road to Sita Rampur under Head MMGSY (SC)					
Agency:- M/s Kalyani Construction, New Area Bishan Tank, Dist- Gaya					
Agreement No- 73/SBD/MMGSY/SC/2020-2021					

Date of Commencement					
10/12-2020					
Date of Completion-					
09/12-2021					
HPC 100mm ϕ 1.0m					
(1) E/M in excavation of foundation of					
Structure in					
(1x100mm ϕ HPC 1.0m)					
H.W - $2 \times 6.30 \times 1.40 \times 1.50 = 26.46 \text{ m}^3$					
Pipe Portion $1 \times 5.90 \times 1.50 \times 0.30 = 2.65 \text{ m}^3$					
Total = 29.11 m ³					
Chd 05/01/23 AE					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) Plv Pcc M15 ch open foundation do					
Cut $2 \times 6.30 \times 1.40 \times 0.15 = 2.65 \text{ m}^3$					
(3) Plv Pcc M20 ch open foundation do					
H.W. $2 \times 6.0 \times 1.25 + 0.80 \times 1.35 = 16.60 \text{ m}^3$					
below pipe $1 \times 5.90 \times 1.50 \times 0.25 = 2.21 \text{ m}^3$					
					$= 18.81 \text{ m}^3$
(4) Plv & laying NP3 Pipe 1000 mm dia					
Cut $2 \times 2.55 \text{ m} = 7.50 \text{ m}$					
(5) Plv Pcc M20 ch Sub structure do					
H.W. $2 \times 6.0 \times \frac{0.80 + 0.40 + 0.40}{3} \times 1.80 = 11.51 \text{ m}^3$					
$2 \times 6.0 \times 0.40 \times 0.60 = 2.88 \text{ m}^3$					
Deduction Pipe protr $2 \times \frac{3.14}{4} \times (1.20)^2 \times 0.60 = 1.36 \text{ m}^3$					
					Total = 13.03 m
(6) Filling in channel Trenches do					
H.W. $2 \times 6.0 \times \frac{0.075 + 0.075}{2} \times 1.35 = 4.86 \text{ m}^3$					
Below pipe $1 \times 6.30 \times 1.50 \times 0.90 = 8.50 \text{ m}^3$					
Deduction Pipe protr $1 \times \frac{3.14}{4} \times (0.91)^2 \times 0.91 = 0.573 \text{ m}^3$					
					Total = 7.63 m

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
② Up to Date measurement					
② Construction of					
G.S.B. Gravel P-I to					
In cc Part					
1x 12.0x	6.50	4.60			66.6 m ²
1x 11.0x	4.60	4.10			48.85 m ²
1x 30.0x	4.10	3.25			117.75 m ²
1x 8.0x	3.25				30.0 m ²
1x 11.0x	3.25	3.20			35.22 m ²
1x 8.0x	3.20	3.75			27.80 m ²
1x 19.0x	3.75	3.90			72.675 m ²
1x 3.0x	3.90	6.20			15.15 m ²
1x 5.0x	6.20	6.80			32.50 m ²
1x 2.0x	6.80	4.0			10.80 m ²
1x 15.0x	4.0	3.25			58.12 m ²
1x 11.0x	3.25	4.0			46.62 m ²
1x 17.0x	4.0	3.60			64.60 m ²
1x 14.0x	3.60	3.50			49.70 m ²
1x 30.0x	3.50	3.60			106.50 m ²
1x 25.0x	3.60	4.0			95.0 m ²
1x 13x	5.50	4.0			59.47 m ²
1x 3.0x	4.0	2.80			10.20 m ²
1x 5.0x	2.80	5.0			19.50 m ²
1x 5x	5.0	2.50			18.75 m ²
1x 14.0x	2.50	2.40			34.80 m ²
1x 15.0x	2.40	2.90			39.75 m ²
1x 4.0x	2.90	4.0			13.80 m ²

C.O. Total = 1075.65 m²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
850	8.24	8.18	50		409.00 m ³
900	8.08	8.16	50		408.00
950	2.56	5.32	50		266.00
1000	2.64	2.60	50		130.00
1050	8.32	5.48	50		274.00
1100	8.14	8.23	50		411.50
1150	7.96	8.05	50		402.50
1174	7.80	7.88	24		189.12 m ³
	E/W Total			6580.12 m ³	
Less Subgrade					
	TMS Page 13				
	8				
	(-) 2126.79 m ³				
Less GSB + TMS Page					
	2				
	(-) 707.385				
Less WBM GSB					
	TMS Page 23				
	45.44 m ³				
Less PCC TMS Page					
	23				
	(-) 344.50 m ³				
	E/W ready = 3023.895 m ³				
Lead 1000 m = 913.626 m ³					
Lead 100 m					
3023.895 - 913.626					
= 2110.269 m ³					

ABSTRACT OF COST

29

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Construction of Reference & Marker Benchmark in 1.174 Km 8 th TMB Page No (12)/01(I)					
(a) ₹ 4661.05 / Km					₹ 5472 = 00
(2) Construction of Reference Pillar & Base in do do 1.174 Km 8 th TMB Page No (12)/1 (I)					
(a) ₹ 3016.93 / Km					₹ 3542 = 00
(3) Clearing and Grubbing road do do 0.819 Hec 8 th TMB Page No (12)/2					
(a) ₹ 51161.75 / Hec					₹ 41901 = 00
(4) Construction of Embankment Road up to 1000 m in 91366 m ³ 8 th TMB Page No (27)/18 (I)					
(a) ₹ 175.22 / m ³					₹ 160085 = 00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5)/7 Construction of embankment road up to 100m - do					
2110.269 m ³ gty. TMB					
kg. no. (27/186)					
@ £ 139.78/m ³ - £ 294994=					
(6)/8 Construction of slag road & E/shoulder do					
174636 m ³ gty. TMB (14)					
⊕ 380.47 " " (23/8A)					
212673 m ³					
@ £ 183.51/m ³ £ 370287=					
(7)/9 Construction of granular subbase by well graded material for 100m					
622.890 m ³ gty. TMB (14)					
⊕ 84.495 " " (21/12)					
707.385 m ³					
@ £ 1710.13/m ³ - £ 1209720=					
(8)/10 Paving, laying, spreading and compacting 100m					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(24)/30	E/W in excavation for structure do				
58.23 m ³	84	m	B	P. (12)/3	
⊕ 29.11	"	"	"	" (17)/1	
87.34 m ³					
⊕ 294.73/m ³					25748=0
(25)/31	providing plain/reinforced concrete in open foundation				
5.29 m ³	84	m	B	P. (12)/3	
⊕ 2.65 m ³	"	"	"	" (18)/3	
7.94 m ³					
⊕ 4260.86/m ³					33831=0
(26)/32	plv pcc m 20 in open foundation				
37.64 m ³	84	m	B	P. (13)/5	
⊕ 18.81 m ³	"	"	"	" (18)/3	
56.45 m ³					
⊕ 4503.49/m ³					25422=0
(27)/33	plv pcc m 20 in open foundation				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
26.09 m ² sty mns Page					
① 13.03 m		sty mns	(13)/7		
39.12 m		sty mns	(18)/4		
@ ₹ 4930.27/m ² - ₹ 192872 =					
28/26		P/V Laying	RCC		
37		Pipe	NP3 150mm		
15.0 m		sty mns Page	(13)/6		
+ 7.50 m		sty mns	(18)/4		
22.50 m		sty mns			
@ ₹ 4223.83/m ² - ₹ 95036 =					

29/38		Laying	concrete		
		concrete	Pipe NP3		
		300 mm dia			
50.0 m		sty mns Page			
		No	(26)/7		
@ ₹ 834.71/m ² - ₹ 41735 =					
30/39		Filling	on		
		foundation			
		Tranches			
15.26 m ²		sty mns	(13)/8		
① 7.63 m ²		" "	(18)/6		
22.89 m ²					
@ ₹ 478.11/m ² - ₹ 10944 =					

C.O ₹ 6346833 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					3/F 6346833 = 00
Add Gst @ 12% (+) ₹					761620 = 00
Add L.C @ 1% (+) ₹					63468 = 00
Add Sog message fee @ ₹					111539 = 00
					₹ 7283453 = 00
Less @ 15-20% below (-)					1107085 = 00
As per 488 ₹					6176368 = 00
Less Previous bill by (-)					₹ 2121438 = 00
					Net ₹ 4054930 = 00

26/8/23
JE

CR
26/8/23
AB