

Schedule XLV-Form No. 134

East Pakzi to Pakzi PM687 Road

_____ DIVISION

9

KARPI

_____ SUB-DIVISION

685

MEASUREMENT BOOK

134 m AJC 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 measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:- East Pakri to Pakri Pansy Road.					
Agency:- Shree vikash kumar.					
Agreement:- 14/1/2021/11/11/2021					
Date of start:-					
Date of Completion:-					

1) Plv & fixing of working benchmark — do — do —

Qty = 1.00 Nos.

2) Plv & fixing of Reference pillar — do — do —

Qty = 2.00 Nos.

3) Clearing & grubbing of Road land — do — do —

$620 \times 3.50 = 2170 \text{ m}^2$

In Hect

$\frac{2170}{10000} = 0.2170 \text{ Hect}$

4) E/W excavation in foundn — do — do —

34.16 m^3

$2 \times 2 \times 4.15 \times 1.40 \times 1.47 = 37.26 \text{ m}^3$

$2 \times 1 \times 5.78 \times 1.67 \times 0.55 = 3.10 \text{ m}^3$

Total = 37.26 m^3

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
1) Plv Pcc in open foundn. - do -					
	2	2	3.85	1.40	0.15 = 3.24 m ³
2) Plv first-class Type-B bedding.					
	2	1	5.78	1.04	0.55 = 6.800 m ³
deduction for pcc	2	1	5.78	0.22	= (-) 1.540 m ³
					Total = 4.260 m ³
3) Head wall in brick Masonry C/M (1:4) - do - do -					
	2	2	3.85	0.825	2.005 = 25.48
4) Cols for pipe -					
	2	2	0.465	0.61	= (-) 1.14 m ³
					24.34 m ³
5) Plv 2 laying Rcc No 3 Pipe 600 mm ϕ - do - do -					
	2	2	2.50		= 15.00 m
6) Head wall in brick Masonry C/M (1:4) - do - parapet.					
	2	2	3.85	0.40	0.60 = 3.70 m ³
7) plastering with C/M (1:4) - do - do -					
(A) Parapet side	2	4	3.85	1.00	= 30.80 m ²
(B) Parapet face	2	4	0.40	0.50	= 1.60 m ²
(C) Parapet top	2	2	3.85	0.40	= 3.16 m ²
(D) Head wall side	2	2	3.85	0.60	= 9.24 m ²
					Total = 44.80 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
iv) Construction of embankment with material obtained from borrow pit - do - do -					
Chainage (m)	Area (m ²)	Mean Area (m ²)	Distance (m)	Qty (m ³)	
0	1.042	—	—	—	
50	0.963	1.003	50	50.15	
100	0.830	0.896	50	44.80	
150	0.924	0.877	50	43.85	
200	0.996	0.960	50	48.00	
250	0.960	0.978	50	48.90	
300	0.720	0.840	50	42.00	
350	0.716	0.718	50	35.90	
400	0.986	0.851	50	42.55	
450	0.920	0.953	50	47.65	
500	0.965	0.942	50	47.10	
550	0.906	0.936	50	46.80	
620	1.374	1.140	70	79.80	
Total Qty =				577.500 m ³	
(a) 1000 m lead (30%)					
577.50 x 0.30 =				173.25 m ³	
(b) 100 m lead (70%)					
577.50 x 0.70 =				404.25 m ³	
ii) Construction of subgrade & earthen shoulder - do - do -					
20 x 30.00 x $\left(\frac{7.5+6.30}{2}\right) \times 0.30 =$				1242.00 m ³	
1 x 20.00 x $\left(\frac{7.5+6.30}{2}\right) \times 0.30 =$				41.40 m ³	
Total =				1283.40 m ³	

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12) Construction of granular sub-base - do. do. -					
20 x 30.00 x 4.05 x 0.200 =					486.00 m ³
1 x 20.00 x 4.05 x 0.200 =					16.20 m ³
Extra for widening - do. do. -					
$\frac{1}{2} \times 12.50 \times (6.90 - 4.05) \times 0.200 =$					3.563 m ³
2 x 13.00 x $\left(\frac{4.05 + 5.70 + 4.05}{3} - 4.05 \right) \times 0.200 =$					2.860 m ³
1 x 11.00 x $\left(\frac{4.05 + 5.80 + 4.05}{3} - 4.05 \right) \times 0.200 =$					1.144 m ³
1 x 12.50 x $\left(\frac{4.05 + 5.50 + 4.05}{3} - 4.05 \right) \times 0.200 =$					1.208 m ³
Total Qty =					510.975 m ³

13) Plv laying separating &

Compacting of WBM II - do

$$20 \times 30.00 \times 3.75 \times 0.075 = 168.75 \text{ m}^3$$

$$1 \times 20.00 \times 3.75 \times 0.075 = 5.625 \text{ m}^3$$

Extra for widening -

$$\frac{1}{2} \times 12.50 \times (6.70 - 3.75) \times 0.075 = 1.383 \text{ m}^3$$

$$2 \times 13.00 \times \left(\frac{3.75 + 5.40 + 3.75}{3} - 3.75 \right) \times 0.075 = 1.072 \text{ m}^3$$

$$1 \times 11.00 \times \left(\frac{3.75 + 5.60 + 3.75}{3} - 3.75 \right) \times 0.075 = 0.509 \text{ m}^3$$

$$1 \times 12.50 \times \left(\frac{3.75 + 5.20 + 3.75}{3} - 3.75 \right) \times 0.075 = 0.453 \text{ m}^3$$

Continuation

$$\text{Total Qty} = 177.792 \text{ m}^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4 Construction of embankment — 1000 m long — do — do —					
173.25 m ³ VTMBP-3					
@ 175.22/m ³ —					Rs 30357=
					00
5 Construction of embankment — 100 m long — do — do —					
404.25 m ³ VTMBP-3					
@ Rs 139.85/m ³ —					Rs 56534=00
6 Const. of subgrade & earth shoulder — do — — do —					
1283.40 m ³ VTMBP-3					
@ Rs 176.86/m ³ —					Rs 226982=00
7 Const. of granular sub-base with — do — do —					
510.975 m ³ VTMBP-4					
@ Rs 1998.59/m ³ —					Rs 1021230=00
8 Plv, laying, spreading & compacting WBV.D — do — do —					
177.792 m ³ VTMBP-4					
@ Rs 2728.44/m ³ —					Rs 485095=00
9 Plv & fixing of typical masonry infirmatory — do —					
2.00 Nos VTMBP-5					
@ 9068.88/each —					Rs 18138=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ETW in excavation for foundn.					
— do —					
37.26 m ² UTM BP-1					
@ R 269.32/m ² — R					10035.00
Plu pcc Mix for foundn					
— do —					
3.24 m ² UTM BP-2					
@ R 4161.91/m ² — R					13485.00
12 Laying first class					
Class type-B bedding					
4.26 m ² UTM BP-2					
@ R 453.20/m ² — R					1931.00
13 Head wall in brick					
Masonry — do —					
24.34 m ² UTM BP-2					
3.70 m ² UTM BP-2					
28.04 m ²					
@ R 5464.68/m ² — R					153230.00
14 Plu & laying RCC NP3					
Pipe — do —					
15.00 m UTM BP-2					
@ R 2622.77/m — R					39342.00
15 Plastering with c.m (1:4)					
— do — 44.80 m ² UTM BP-2					
14.28.04 m ²					
@ R 141.75/m ² — R					3975.00
Total R					2078564.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Total					R/ 2078564=00
Add (12%) GST (H)					R/ 249428=00
Add (1%) labour (L) (H)					R/ 20788=00
Total					R/ 2348777=00
					21/12/20 JR

Material Statement

(i) E/W :-	1860.90 m ²			
(ii) Brick :-	14020 nos @ R 5.243 / each			
(iii) Sand :-	1.458 m ³ @ 150.80 / m ³			
(iv) G.S.B -				
(53-26.5) mm -	216.40 m ³ @ R 458.22 / m ³			
(26.5 mm - 4.75 mm) -	278.22 m ³ @ R 499.76 / m ³			
2.36 mm & below -	123.66 m ³ @ R 185.94 / m ³			
(v) W.B.M II Metal -				
(vi) Stone dust :-	42.67 m ³ @ R 345.52 / m ³			
(vii) Aggregate -	215.12 m ³ @ R 458.22 / m ³			
40 mm -	1.555 m ³ @ R 441.08 / m ³			
20 mm -	0.778 m ³ @ R 550.85 / m ³			
10 mm -	0.259 m ³ @ R 614.17 / m ³			

Continuation

~~21/12/20~~
JR