Khiryawa Beni Ratiganj Rd. to Karimganj

[illegible] XLV - Form No. [illegible] M.M.G.S.Y

[illegible]

BIHAR P. W. D.

E.E. R.W.D. Work Aurangabad DIVISION

A.E. Madanpur SUB-DIVISION

MEASUREMENT BOOK. No. 2806

Agency - Sunil Kr Singh
(Ratiganj)

Certified That This M.B. Contain (
Pages By Printers Matchine And Issued
To Sri...Jadhavendra Yadav.....A.E- R.W.I
Work Sub-Div.....Madanpur. .....

10/11/20

Executive Engineer
Rural Works Diparti. nt
Works Division. Aurangaba

10/11/20

Schedule XLV - Form No. 134.

E.E. Aurd. DIVISION.

A.E. Madanpur. SUB-DIVISION.

MEASUREMENT BOOK.

2806

211620

Name of Work: Sri Jadhavendra Yadav.

A.E. Madanpur.

Date of commencement

Date of completion

Istom A/c Bill

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 – Kheriawan Beri Rafiganj Road to Kasimganj under Head [illegible]					
Agency – Sunil Kumar Singh Babuganj, Rafiganj, Aurangabad					
Agreement – 37 SBD/2020-21 (10% below)					
Agreement Value A = 37.11 lacs					
B – 5.03 lacs					
Total – 42.14 lacs.					

Date of work start – 17/06/2020					
Date of Completion – 16/03/2017.					
Recorded by					
Item ① Plus fixing of working benchmarks – do – 1 No.					
Item ② Reference Pillar – 2 Nos					
Item (14) Plus fixing logo on [illegible] – 2 Nos.					
[signature] 15/07/2020 JE					[signature] 15/07/2020

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L	B	D	Contents of area
green (b) clearing & grubbing road land —					
2 × (21 × 300 + 300)				× 3.50 =	4550 ft²
				⇒ 0.46 Acre.	

Earth work Calculations

ch. m	Area ft²	Area mean ft²	Distance m	Volume ft³
0·0	0·350	—	—	—
50	0·720	0·510	50	25.50 ft³
100	1·136	0·928	50	46.40 ft³
150	1·424	1·280	50	64.00
200	1·304	1·364	50	68.20
250	1·317	1·311	50	65.55
300	1·469	1·393	50	69.15
350	1·327	1·398	50	69.90
400	1·445	1·386	50	69.30
450	1·573	1·509	50	75.45
500	1·516	1·545	50	77.25
550	1·449	1·483	50	74.15
600	1·628	1·538	50	76.90
650	1·556	1·592	60	79.60
				860.85 ft³
			⇒	824.61 ft³

Continuation

28/12/20

28/12/20

Scanned with CamScanner

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L	B	D	Contents of area
Item (A) Construction of [illegible] with approved material as per lead 100 m. Mode of Calculation -					
0.80 x 824.61 = Allowed for Project Circuit					824.61 cft
0.80 x 824.61 =					659.69 m³
Item (B) Construction of [illegible] with approved material as per lead 100 m.					
0.40 x 60.85 =					24.34 m³
Item (C) Construction of Substructure & superstructure with approved material as per lead 100 m.					
(21 x 20 m + 20 m) x 6.0 m x 0.30 =					118 m³
0.70 x 118 =					831.60 cft = 23.55 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L	B	D	Contents of area
Item (29) Construction of Surface 2 earthen shoulder — do — lead 100m					
0.30 x 1188 = 356.40 m³					
Item (30) Irrigation pipe (300mm) P/L & laying of RCC pipe duct 300mm dia —					
4 x 3 x 2.50 = 30 metre					
Item (31) Dismantling of structure —					
Concrete —					2.40 m³
Item (31) Dismantling of CI pipe structure					
Concrete —					69.32 m³
Item (32) Removal of old type of Hume pipe. —					30 metre.

Continuation

Sch. XLV-Form No. 134

5

Particulars	No.	L	B	D	Contents of area
	600mm Ø HPC				
Item (25)	E/W excavation				
	on foundation —				
Head wall —					
3x600mm Ø HPC					
	2x	11.70m x	1.15 x	1.50 =	40.37m³
	1x	5.35 x	3.39 x	0.365 =	6.62
1x600mm Ø HPC					
	2x	3.90m x	1.15 x	1.50 =	13.455m³
	1x	5.35 x	1.13 x	0.365 =	2.207m³
					62.652m³
				S	62.64m³
05/2/21			05/2/21		
Item (26)	P/L M15		95		
	levelling course in				
	foundation — .				
	— do —		as complete.		
	1.05	95	bas total.		
	2x	11.70 x	1.15 x	0.15 =	4.036m³
	1x	5.34 x	3.39 x	0.25 =	4.501m³
	2x	3.90 x	1.15 x	0.15 =	1.345m³
	1x	5.31 x	1.13 x	0.25 =	1.500m³
					11.382m³
				S	11.40m³

Sch. XLV-Form No. 134 8

Particulars	Details of actual measurement No.	L	B	D	Contents of area
Item (27) : P/L Plain Cement Concrete in Hand mix ... all complete Jos as per spec					
4 ... 600mm pipe					
	2x 10.80m x 1.0+0.40 / 2 x 2.78m =				42.03m³
	2x 10.80 x 0.40 x 0.60 =				5.18m³
	1x 600mm pipe				
	2x 3.60m x 1.0+0.40 / 2 x 2.78m =				14.01m³
	2x 3.60 x 0.40 x 0.60 =				1.728m³
	Less for 4 pipe -				
3x 2x π/4 x (0.83)² x 0.53 =					(-) 1.721m³
	1x 2x π/4 x (0.83)² x 0.53 =				(-) 0.574m³
					60.646m³
					≅ 60.65m³
[signature] 09/02/21 JE					
Item (28) P/L and laying N.P.3 Pipe for ... etc. —					
	3x 3x 2.50m = 22.50metre				
	1x 3x 2.50m = 7.50metre				
					30metre
[signature] 09/02/2021 JE					

Continuation

Sch. XLV-Form No. 134 7

Particulars	Details of actual measurement No.	L	B	D	Contents of area

(21 × 30m + 30m) × 1.05 × 0.20 = 524.50 m³

Curve —

10m × 6.5m + 4.0m × 0.20 = 10.85 m³

537.35 m³

= 537.03 m³

Material Estimation:

Fe 415 — 2048.85 m³

Sand — 226.21 m³

Stone Aggregate — 515.08 m³

Sch. XLV-Form No. 134 8

Particulars	No.	L	B	D	Contents of area
Abstract of Cost for					
15 ton A/C B(II)					
(1) Floor scraping of wearing					
Bench work —					
vide TOBP (1) 1 nos					
@ 3946.09 each					3946=00
(2) Platform [illegible]					
Pile —					
vide TOBP (1) 2 nos					
@ 1785.95 each					3572=00
(3) Clearing & grubbing					
road side —					
[illegible] —					
vide TOBP (2) 0.46 hect					
@ 51133.76/hectare					23522=00
(4) Construction of [illegible]					
[illegible] a [illegible]					
[illegible] lead					
1000 m.					
vide TOBP (3) ~~816.61~~ 659.69 m³					86439=00 ~~67675=00~~
@ 131.03/m³					
(5) Construction of [illegible]					
[illegible] lead 1000m					
vide TOBP (3) 394.34 m³					
@ 154.58/m³					60[illegible]=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L	B	D	Contents of area
5/[illegible]	Embankment of sub grade &				
	earthen shoulders with				
	approved material				
	-do-	—	lead	100m	
	vide TMBP (3)	831.60 m³			
		@ 141.17/m³ Rs			117397=00
6/[illegible]	Embankment of sub grade &				
	earthen shoulders —				
	-do-	—	lead	1000m	
	vide TMBP (4)	356.40 m³			
		@ 176.58/m³ - Rs			62933=00
(7) Construction of granular sub base					
	by providing material				
	spreading -do- —				
	vide TMBP (7)	537.02 m³			
		@ 2249.93/m³ Rs			1208280=00
(8)/14	Plug during logo				
	on formation & [illegible]				
	[illegible] -do- —				
	vide TMBP (1)	2 m³			
		@ 9193.34 each Rs			18397=00
9/24	[illegible] pipe —			Pipe &	
	laying of 900mm dia pipe				
	vide TMBP (4)	30 metre			

Continuation

@ 900.15/metre Rs 27005=00

Particulars	Details of actual measurement No.	L	B	D	Contents of area
10/25 – Earth work excavation for foundation --					
-do →					
Net Total	(5)	62.64 m³			
@ Rs 269.32/m³ Rs					16870=00
11/26 – Providing & leveling					
Course in foundation					
-do →					
Grand Total	(5)	11.40 m³			
@ Rs 4599.47/m³ Rs					52434=00
12/27 – Providing & Placing cement					
Concrete in Head wall					
-do →					
Grand Total	(1)	60.65 m³			
@ Rs 5327.56/m³ Rs					323117=00
13/28 – Providing & Laying RCC					
HP3 Pedestal Culvert:					
-do →					
Grand Total	(6)	30 Metre			
@ Rs 1024.43/Metre Rs					30733=00

Sch. XLV-Form No. 134

Particulars	No.	L	B	D	Contents of area
14/30 – Dismantling of existing structure. do cement tank vide Item @ 2:40 m3 etc @ 484.74 /m3					Rs 1163=00
15/31 – Dismantling of existing structure like do cement tank vide Item @ 69.32 m3 @ 231.77/m3					Rs 16066=00
16/32 – Removal of existing Hyacinth do vide Item @ 30.00 m2 @ 174.78 /m2					5243=00
				Rs	1997117=00
Adding 12% GST				Rs	239654=00
1% Labour cess					19971=00
				Rs	2256742=00
Deduction 10% below as per agreement.				(–)	225674=00
				Rs	2031068=00

[signature] 23/02/20 [signature] 23/02/21

C&P
[signature]
25/2/21

Continuation