T04 Khakhra Giva highu Rd- to Ghurna Bighes

Schedule XLV- Form No. 134;

M.B. No. M.Mg.G.Jy

BIHAR P. W. D.

E.E R.W.D Aurangabad DIVISION

Assistant Engineer SUB-DIVISION

R.W.D Work Sub Divi- DEO

MEASUREMENT BOOK. No- 2625

Sri Vimlesh Kr. Singh

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Certified that this M.B contains
100 (one hundred) pages bd printed
matchine and Issued to Sri Babar
Ram A.E. R.W.D work sub-division
OEO.

10/7/2017

Executive Engineer
Rural Works Dipartment
Works Division, Aurangabad

10/7/17

Schedule XLV - Form No. 134.

EE Aurangabad DIVISION.

A.E OEO SUB-DIVISION.

MEASUREMENT BOOK.

2625

221125

Name of Work Sri Babar Ram A.E
R.W.D Work Sub-divi-OEO

Date of first entry

Date of last entry

विहार गवर्नमेंट प्रेस, गया ।

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.	
1st ON A/C BILL					
Name of Work:- Construction of Road from T04 Khakhara Jeewa bigha Road to Ghevranbigha (Under MMGSY-SC)					
Name of Agency:- Sri Vimlesh Kumar Singh					
Agreement No:-					
Date of Work start:-					
Date of completion:- (As per Agreement)					

Date of Measurement:-					
Dismantelling					
(1) Dismantelling of Existing structure like culvert bridge ... etc					
(a) Plain Cement Concrete					
2x10x3.50M x 1.14M x 0.15M = 1.197M³					
b. Stone/Brick Massonary					
2x2x4.20M x 0.825M x 2.50M = 34.65M³					
c. Hume Pipe upto 600mm dia					
2x 7.50M x 2.50M = 15.000M					
600mm dia Culvert 3 No					
(2) E/W in excavation for foundation of structure upto 3.M etc.					

Continuation

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Particulars	Details of actual measurement No.	L	B	D	Contents of area
M.W 3X2X3.90M X 1.150M X 1.5M					=40.365M³
below pipe 3X 5.35M X 1.13M X .365M					=6.619M³
					46.984M³
				Say	46.98M³
(2) Providing PCC M15 as Levelling course ... etc...					
3X2X3.9M X 1.15M X 0.15M					=4.03M³
3X5.311M X 1.13M X 0.250M					=4.50M³
					8.53M³
(3) Providing PCC M20 in Seib structure ... etc...					
3X2X3.60M X 0.70M X 2.78M					=42.03M³
3X2X3.60M X 0.40M X 0.60M					=5.18M³
Less for pipe 3X2X0.785 X(0.53)² X 0.53 (-)					=1.72M³
					45.49M³
(4) Providing & Laying RCC pipe of 600 mm dia...					
3X2 NO X 2.60M					=22.60M
(signature) 09.12.20 J.E.					
(5) Providing & fixing of a. Working benchmark/ Refference pillars:					
a. Bench mark					1NO
b. Refference pillars					3NO

Continuation

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Particulars	Details of actual measurement No.	L	B	D	Contents of area
B. Cleaning & grubbing Road land ... etc ...					
2×26×30 M × 3.50 M					= 5460.00 M²
2×20 M × 3.50 M					= 140.00 M²
					5600.00 M²
5600.00 M² / 10 000 M²					0.56 Hectare
(B) Construction of Embankment with material obtained from borrow pit ... etc ... (As per graph Fifteen)					
Chainage	Fill Area M²				Fill volume (M³)
0	4.233				
50	4.746				224.490
100	4.950				242.400
150	5.006				248.900
200	4.775				244.540
250	4.792				239.190
300	4.663				236.350
350	4.639				232.530
400	4.241				221.990
450	4.657				222.440
500	4.669				233.130
550	3.485				203.850
600	3.566				176.630
650	3.526				177.550
700	3.531				176.440
750	3.525				176.390
800	3.603				178.180
				Continuation	3432.520 M³

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Particulars	Details of actual measurement No.	L	B	D	Contents of area
(a) For 1000 M lead					
Allowed 17.28%					
of 3436.520 M³				=	610.834 M³
(b) For 100 M lead					
Allowed 45.22%					
of 3436.520 M³				=	1553.541 M³
				Say	1452
(c) Providing Box Cutting (30+20)					
2 X 50 M X 10 X 0.5252 M X 1 M				=	52.520 M³
(d) Construction Embankment with material of cut soil from Receiving Cutting					
60% of 52.520 M³				=	31.520 M³
(e) Construction of Subgrade and earthen shoulder					
2 X 16 X 30 M X 1.182 X 0.0725 M				=	55.104 M³
2 X 20 M X 1.182 X 0.0725 M				=	3.546
2 X 16 X 30 M X 1.3466 M X 0.2 M				=	266.496
2 X 20 M X 1.3466 M X 0.2 M				=	11.104
2 X 30 M X 10 M X 0.3725 M X 1.60 M				=	36.000
2 X 10 X 30 M X 0.3725 X 0.0725 M				=	16.052
2 X 10 X 30 M X 0.3725 M X 0.1 M				=	22.350
					411.628 M³ (A)
a. For 1000 M Lead 30% on (A)				=	132.488 M³
b. For 100 M Lead 69.99% on (A)				=	309.11 M³

Continuation

Particulars	Details of actual measurement No.	L	B	D	Contents of area
(12) Construction of granular Sub base ... etc ...					
a. B.T Portion (Solling)					
2X16X30 MX 0.525 MX 0.100 M					= 50.40 M³
2X20 MX 0.525 MX 0.100 M					2.10 M³
1X16X30 MX 4.050 MX .1 M					= 194.40 M³
1X 20 MX 4.050 MX 0.1 M					= 8.10 M³
b. PCC Portion					
30 MX10 X 3.750 MX .1 M					= 112.5 M³
Curb 2X12.5 MX .9 MX 0.1 M					= 2.25 M³
For Pot-Patch					
20 X10 MX 1.38 M X 0.1 M					= 27.60 M³
					397.35 M³
(13) Providing laying spreading & compacting WBM gr III ... etc.					
(a) P.C.C Portions					
10X30 MX 3.75 MX 0.075 M					= 84.375 M³
(b) B.T Portion					
16X30 MX 3.75 MX 0.075 M					= 135.00
1X 20 MX 3.75 MX 0.075 M					= 5.625
Curb 2X3X11.11 MX 0.9 MX 0.075 M					= 4.5 M³
					229.50 M³
[signature] 11/12/20 J.E deo			[signature] 5.1.21 AE		

Continuation

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

ABSTRACT OF COST

(1) Dismantelling of existing structure . . .
Qty vide T.M.B P-1

(a) Plain cement Concrete
1.20 M^3 @ Rs 484.74/M^3 - Rs 582.00

(b) Stone/Brick Masonary
34.64 M3
@ Rs 231.77/M^3 - - Rs 8031=00

(c) Hume Pipe upto 600mm dia
15.00 M @ Rs 174.88/RM - Rs 2622=00

(2) E/W excavation for found of structure . . . . . .
Qty vide T.M.B P/- (2)
46.96 M^3 @ Rs 269.32/M^3 - Rs 12643=00

(3) Providing PCC M15 in open foundation . . . etc - .
Qty vide T.M.B P/- 2
8.53 M^3 @ Rs 4620.02/M^3 - Rs 39409=00

(4) Providing PCC 1:2:4 in sub structure . . etc .
Qty vide T.M.B P/- 2
45.49
@ Rs 5376.98/M^3 - Rs 244599=00

Continuation Rs 307896=00

Particulars	Details of actual measurement No.	L	B	D	Contents of area
			B/F	Rs	307896=00
(5) Providing & Laying 600 mm dia RCC NP3 Pipe. Qty vide To M.B Pl-2 22.50 M @Rs 953.55/M				Rs	21455=00
(6) Providing & fixing Working ... etc ... Qty vide To M.B Pl-2					
(a) Bench marks 1 NO @Rs 3881.31/No.				Rs	3881=00
(b) Refference Pillars 3 NO @Rs 1756.56/NO				Rs	5270=00
(7) Cleaning & grubbing Road lenth ... etc ... Qty vide To M.B Pl-3 0.56 Hactare @Rs 5133.76/Hactar				Rs	2963=00
(8) Construction of Embankment ... of ... Qty vide To M.B Pl-4					
(a) For 100 M Lead 1552.56 M^3 @Rs 131.03/M^3				Rs	203360=00 235/2
(b) For 1000 M lead 610.93 M^3 @Rs 174.94/M^3				Rs	106859=00
			Continuation	Rs	677526=00

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			B/F	Rs	677556=00
(9) Providing Box cutting					
Qty vide To M.B Pl-4					
52.50 M3 @Rs 74.16/M3 - Rs					3893=00
(10) Construction of Embankment material obtained from Roadway cutting					
Qty vide To M.B Pl-4					
31.50 M3 @Rs 26.11/M3 - Rs					822=00
(11) Construction of sub grade . . . etc - -					
Qty vide To M.B Pl-4					
(a) For 1000 M lead					
132.48 M3 @Rs 176.56/M3 - Rs					23393=00
(b) For 100 M lead . . .					
309.11 M3 @Rs 141.17/M3 - Rs					43637=00
(12) Construction of Granular sub base . . . etc - -					
Qty vide To M.B Pl-5					
397.36 M3 @Rs 2322.62/M3 - Rs					922893=00
(13) Providing spreading & Compacting W.B.M (Gr II)					
Qty vide To M.B Pl-5					
229.50 M3 @Rs 3331.04/M3 - Rs					764474=00

Continuation Rs 2436668=00

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
		B/F ₹			2436668=00
Add G.S.T + Lab Cess (12% + 1%) = 13% + ₹					316767=00
Payable Amt				₹	2753435=00
[signature] 12/12/20 J.E. dco			[signature] 5.1.21 AE		
	CS? [signature] 8/1/21				