AGREEMENT NO:-07/MMGSY(WD)/MBD/2020-21

Schedule XLV-Form No. 134

CH OF WORK:-PHUTANI CHOWK TO ADIVASI TOLA IN THAKURGANJ

AWD(WD) KISHANGANJ-2 DIVISION

THAKURGANJ SUB-DIVISION

II MB NO:-1163

MEASUREMENT BOOK

NAME OF AGENCY:-BOLBUM CONSTRUCTIONS

प्रमाणित किया जाता है कि इस मापी पुस्तक में कुल 90
(एक सौ) मुद्रित दोहरे पृष्ठ हैं। जोड़ी...अजीत कुमार दास
सहायक अभियंता,ग्रा०का०वि०कार्य अवर प्रमण्डल. ठाकुरगंज
के नाम से निर्गत किया जाता है।

कार्यपालक अभि...
ग्रा०का०वि०, कार्य
किशनगंज-2
17/9/20

17 9 20

Sch. XLV - Form No. 134

RWD(WD)KISHANGANJ-2 DIVISION

THAKURGANJ SUB-DIVISION

Measurement Book

No. 1163

Name of officer श्री अजीत कुमार दास
सह अभि० एवं विभाजन ठाकुरगंज

Date of first entry _____

Date of last entry _____

1st on A/c 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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W – Const. of Road from Futani Chowk To Adivasi Tola at Thakurgunj Block under MMGSY (WB)					
Agency- M/S BOL BUM Const.					
Agreement – 07/MMGSY(WB)/MBD/20-21					
Date of Start – 17-09-20					
Dt. of Completion – 16-09-21					
Record Entry					
(1) Clearing and Grubbing Road land all up.					
2x10x30.0x7.00 =					4200.0
2x10x30.0x6.00 =					~~4800.0~~ 3600.0
2x10x30.0x3.50 =					~~4200.0~~ 2100.0
2x10x30.0x4.50 =					~~4200.0~~ 2700.0
2x2x10x30.0x4.00 =					4800.0
2x2x10x30.0x2.50 =					3000.0
2x3x10x30.0x2.50 =					4500.0
2x2x10x30.0x3.0 =					3600.0
~~2x1x30.0x3.00 =~~					~~180.0~~ 180.0
2x1x10.0x3.00 =					60.0
				=	28740m²
				Total =	8865.00
Continuation					0.890 Ha.

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2)	providing a fixing of working Benchmark pillar 01 No. per km all comp				
	1x3.94 km =				3.94 km
(3)	providing and fixing of working Reference pillar all comp				
	1x 3.94 km =				3.94 km
(4)	Dismantling of existing Brick massonry from culverts all comp				
HP	~~2x4.30x0.85x2.50=~~				
Boxc	2x5.00x0.85x3.00 =				25.50
HP.	~~2x8.0x0.85x3.00 =~~				
	2x 25.50 =				51.00
					143
(5)	~~Removing all type of Humepipe all comp.~~				

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5)	Dismentling of				
	Existing sutter				
	line culverts all				
	asp (c e)				
	1×1.50×5.0×0.15				1.13 m³
	1×1.50×5.0×0.30				= 2.25
	2×1.80×0.30×0.30				= 0.27
				2	3.65 m³
			2×3.65 =		7.30 m³
(6)	Excavation for				
	Roadway in soil				
	using manuals				
	Box cutting				
	all asp				
	2×10×30.0×0.40 = 24				
	×0.10 =				24. m³
	2×7×30.0×0.40×0.10				16.80
	2×1×20.0×0.40×0.10				1.60
					= 42.40 m³

(Signature)
J.E

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		Record	of	M/	
		(Hume pipe)			
(1)	E/M	Excavation			
	for	foundation			
	of	structure			
	all	cep			
HW	2	x 6.450	x 1.45	x 1.50	= 28.05
Below pipe	1	x 4.90	x 1.60	x 0.40	= 3.14
					= 31.19
					M3

(2)	Providing				
	playing	M-15			
	(pcc)	Levelling			
	course	in foundn			
	all	cep			
HW	2	x 6.45	x 1.40	x 0.150	= 2.709
Below pipe	1	x 4.95	x 1.55	x 0.25	= 1.92
					= 4.629
Less pipe	—				
	0.25	x 0.39	x 21.2	x 50	= 1.304
					= 3.325 M3

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(3)	Prov. and laying for plain/rein.forc concrete in open found. all up (pcc. M-20)				
1to	2 x 6.15 x 0.85 x 2.60				= 27.18
project	2 x 6.15 x 0.40 x 1.20				= 5.90
	less pipe			(-)	33.08
	0.25 x 0.79 x 5.50				= 1.086
				=	31.994 M3
(4)	providing and laying RCC pipe NP3 for culverts all up				
	3 x 2.50 x ~~2.50~~				= 7.50 M
					21/9/20 J.E
(5)	pro. fixin typical MMGSY Logo Bord etc all cu				
	1 x 3.0				= 3.0 Nr

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		Record Fitting Box Culverts (2.0 x 2.0 M) - 1			
(1)	Earth Work Excavation for Structure all lep				
Box Culvt	1	3.50	6.0	0.65	= 13.65
Cut-off	2	3.50	1.30	1.80	= 16.38
Ref.	4	2.90	3.90	1.80	= 81.43
					= 111.46 M³
(2)	Prov. & laying PCC M15 in levelling course Below open foundn of Head Wall all lep				
Box Culvt	1	2.50	6.0	0.10	= 1.50 M³
Ref.	4	2.90	2.90	0.20	= 6.73
					= 8.23 M³
(3)	Supplyin and fitting and placing HYSD Bar reinforcement for substructure				

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Base	10mmφ:-				
	2x30	x 8.35	x 0.62	=	310.62
12mmφ	2x43	x 3.50	x 0.88	=	264.88
Cut off 10mmφ	2x17	x 2.60	x 0.62	=	54.81
	2x10	x 1.60	x 0.62	=	19.84
Wall-	10mmφ 1x40	x 7.-	x 0.62	=	173.60
12mmφ	1x17	x 3.50	x 0.88	=	52.36
10mm Verti.	2x20	x 3.0	x 0.88	=	105.56
10mm	1x17	x 3.00	x 0.62	=	52.95
				=	1034.66
					Kg
					1.034
				ie =	0.103
					MT
(4)	pro and laying				
	plain/RCC M-20				
	in substructure				
	all cup				
Bottom slab -	1x	2.50	x 6.0	x 0.25 =	3.75 M³
S. wall -	2x	6.0	x 2.0	x 0.25 =	6.00
Ret.	4x	2.50	x 1.01	x 1.20 =	17.97
				=	27.72
					M³
					Sd/- 12/10/20 J.E

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		Recd Entry			
(1)	Prov. laying pcc				
	M-15 Concrete				
	for plain cement				
	in open found.				
	Comp.				
Ret.	4x2.80x2.48x0.20				= 4.96
	4x2.50x2.38x0.20				4.76
	4x2.50x2.28x0.20				= 4.56
	4x2.50x2.18x0.20				= 4.36
	4x2.50x1.98x0.20				= 4.16
	4x2.50x1.88x0.20				= 3.96
	[illegible]				3.76
Cut-off	2x2.50x0.30x1.50				= 2.25
Ret.	4x2.50x1.28x0.20				= 3.56
					= 36.33 M3
					[illegible] 15/10/20
(2)	Providing weep holes				
	1x30				= 30.0 Nu
(3)	Back filling ad up				
	2x2.50x5.20x0.20				= 5.20
	2x2.50x4.23x1.20				= 37.39
D/duct fill[illegible]					12.85

Continuation = 25.14 M3

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(4)	Providing filter media all cop				
	2x4.26x0.60x1.20 =				8.69
	4x1.90x0.60x2.07 =				9.16
				=	17.85 M3
(5)	providing and laying plain/RCC M-20 in substructure for coping all cop				
	4x2.50x0.075 =				0.75 M3
(6)	supplying and fitting placing HYSD Bar Reinforcement in superstructure all cop				
12mmφ -	2x30x8.35x0.88 =				440.88
10mmφ.	2x43x2.60x0.62 =				137.00
8mmφ	2x40x1.15x0.40 =				36.0
				=	613.88 kg
				ie =	0.613 MT

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7)	providing delaying				
	RCC in superstructure				
	all etc				
Box cell slab	1	2.50	6.0	0.25 =	3.25
CHng Slab	4	6.0	0.011	=	0.22
Kurb	2	2.50	0.25	0.30 =	0.38
					4.40
					M3
(7)	Const. of RCC				
	Railing of M-25				
	Grade all etc				
	2	2.50 =			5.00
(8)	Prov. Drainage spout				
	all etc				
	1	4		=	4.0-
(9)	Prov. and laying				
	cement concrete				
	Wearing course				
	M-30 all cap				
	1	2.50	5.50	0.075 =	13.75 M^2

Bunny
20/10/20
J.E

Continuation

1st on AC/Bill

ABSTRACT OF COST

21

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(1/60)	clearing and Grubbing Road lenel all cap				
	vide TMB P.N- 01				
	Item-① @RS=44052				06/40
	Qty=1.0 He.				Rs=44052=
(2/58)	providing and fixing Benchmark pillar all cap				
	vide TMB PN- ②				
	qty ② @RS=3.94 km				
	@RS=3889.25/km				Rs=15326=
(3/59)	providing and fixing Refrence pillar all cap				
	vide TMB PN- ②				
	qty ③ = 3.94 km				
	@RS=1783.50/km				Rs=7027=
(4/61)	Dist of Ex. Brick Massonry all cap				
	vide TMB P.N- ②				
	qty ④ = 5.10 M³				
	Limit-49.50 M³				
	@RS=2218.20/M³				Rs=11321=
(5/62)	Dist of cement concrete all cap				
	vide TMB PN- ③				
	qty ⑤ = 7.30 M³				

Continuation

3458=

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6/63)	EXcavation for roadway in soil (BOX Cutting) all cof				
	vide TMB PN- (3) Itu (6) = 42.40 M^3				
	limt = 39.75 M^3				
	@ RS= 76.83/M^3				RS = 3054=
(7/89)	E/W Excavation for foud.ⁿ of Structure all cof				
31.99	vide TMB PN- 4 Itu (7)				
	~~limt - 29.20 M^3 Rs= ...~~				
					RS = 7764=
(8/90)	prov. & laying M15 p.cc as leveling course in foudn. all com				
	vide TMB PN- (4) Itu (2) = 3.325 M^3				
	limt = 2.96 M^3				
	@ RS= 6631.70/M^3				RS = 16670=
(9/91)	prov. & laying plain/ reinforcement concrete in open foud.ⁿ all cof				
	vide TMB PN- 5 Itu (3) = 31.994 M^3				

Continuation

limt = 30.61 M^3

@ RS= 6349.10/M^3 RS = 194346=

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(10/92)	Prov. and laying RCC PIPE NP3 for Culverts all cap vide TMB P.N- (5)				
	qty no- (4) = 7.50M				
	@ Rs- 4132.50/M				B= 31001=
(11/94)	E/W Excavation for structure all cap				
111.48 M³	vide TMB P.N- (6)				
	qty (1)				
111.46 M³	vide TMB P.N- (11)				
=222.92M	Limit = 221.88 M³				
	@ Rs- 260.55/M³				B= 87811=
(12/95)	Prov. & laying M15 PCC Below open found. all cap				
	vide TMB P.N- (6)				
8.23 M³	qty (2)				
8.23 M³	vide TMB P.N- 11				
	qty (2)				
=16.46	Limit = 16.34 M³				
	@ Rs = 5631.50/M³				B= 92019=
(13/99)	Sup. fitting, and placing HYSD Bar in substructure all cap				

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
~~0.103~~ 1.034	vide TMB P.N- ⑥/p qty ③				
~~0.1034~~ 1.034	vide TMB P.N- 12 qty ④				
@ 2.068 MT	limit = 1.97 MT				
	@ Rs = 53251.75/MT				
				B =	104906=
(14/95)	providing & laying plain/reinf. cement concrete in sub structure all cop				
~~27.72~~	vide TMB PN- 7 qty 4				
27.72	vide TMB P.N- ⑬ qty ⑤				
= 55.44 M^3	@ Rs = 6560.50/M^3				
				B =	363714=
(15/96)	prov. and laying PCC M-20 concrete for plain/rein concrete in open found. all cop				
= 36.33	vide TMB P.N- ⑧ qt ①				
= 36.25	vide TMB P.N- 11/12 qt ③				
= 72.58 M^3					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	=72.58 M3				
	limt = 72.50 M3				
	@ RS 6349.00/M3 Rs = 460303				
				Rs =	460303=
(16/98)	providing and fixing weep holes all cap				
30.0	vide TMB P.N - 8				
	qt - 2				
32.0	vide TMB PN - 13				
	qt - 6				
=62.0	@ RS = 110.00/Nos = 7040 =				
(17/100)	Back filling bihind Abt. Ret wing wall etc all cap				
=25.14	vide TMB PN - 8				
	qt - 3				
=25.14	vide TMB PN - 13				
	qt - 9				
=50.28 M3	@ B 690.00/M3 B =				34698=
(18/101)	prov. and laying filter media all cap.				
17.85	vide TMB PN - 9				

qt - 4

Continuation

14845|0=

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B/F. 17.85					
17.85	Vide THB P.N- 13				
	Item - (7)				
=35.70 M³	@ Rs= 4504.40/M³				
					B= 160807=
(19/102)	Prov. and layg.				
	P/RCC M-20 on				
	Copping all lay				
0.75M	Vide THB P.N- (9)				
	Item (5)				
0.75	Vide THB P.N. 13/14				
=1.50M³	Item (8)				
	@ Rs 6560.50/M³ B= 9841=				
(20/104)	Prov. o supplying				
	Fitting and placing				
	HYSD Bars/Reinf.				
	in super Structure				
	all lap				
0.613	Vide THB P.N (14)				
	Item (10)				
0.613	Vide THB P.N- (9)				
	Item (6)				
=1.226MT	Limit = 1.00MT				
	@ Rs. 40576.89/MT				
					B= 40577=

Continuation

1695235=

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(21/103)	prov and laying				
	reinforcement c.c				
	in superstructure				
	all cep				
4.40	vide TMB P.N- (10)				
	gt (7)				
4.40	vide TMB P.N- 15				
	gt (11)				
28.80 M3	@ R 7613.50/M3 B=66923=				
dif 8.79					
(22/106)	providing and laying				
	Drainage spout				
	all cep				
4.0	vide TMB P.N- 10				
	gt (8)				
4.0	vide TMB P.N- 15				
	gt (13)				
= 8.0 Nos	@ R. 513.30/No = 4106=				
(23/105)	Const. of RCC				
	Railling all cep				
= 5.0	vide TMB P.N- 10				
	gt (7)				
= 5.0	vide TMB P.N- 15				
	gt (12)				
=10.0 M	@ B 6968.20/M B=69682=				

Continuation

183644

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(24/107)	prov. and laying				
	cement concrete				
	wearing course				
	all cep				
= 13.25	vide MB pg - 10				
	qt (9)				
= 13.25	vide MB pg - 15				
	qt (16)				
27.50 M³	@ Rs = 12580.10/M²				
				Rs	345953=
(25/64)	Const. of Embank				
	ment with materials				
	for 1000 M lead				
	all cep				
	As per E/W Qty.				
	sheet (i)				
	= 278.62 M³				
	@ Rs = 175.25/M³ Rs = 4883				
				Rs =	48837=
(26/65)	Const. of Embank				
	Ment with mat.				
	for 100 M lead				
	all cep				
	As per E/W Qty sheet				
	(ii) = 1896.20 M³				
	@ Rs 141.30/M³			Rs =	267933

Continuation

2499169=

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(27/66)	Const. of Subgrade and Earthen shoulder all cop vide TMB P.N 19/20 qr (1)				
=	8933.34 M³				
	@ Rs = 176.90/M³			B =	~~1580308~~
				Rs =	1580308=
(28/67)	Const. of GSB Gr-1 all cop vide TMB P.N 20 qr (2)				
	= 2704.80 M³				
	limit = 2701.67 M³				
	@ R. 2039.80/M³				
				Rs =	5510056=
(29/83)	pro. and laying cable duct Across the road 300 MM all cop vide TMB P.N - 20 qr (3)				
	= 120.0 M				
	@ R = 849.50/M				
				B =	101940=

Continuation

9691473=

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(30/85)	prov. fixing of				
	Typical MMGSY				
	Informatry sign				
	bord with logo'				
	all c1				
	vide T/N pm' (S)				
	of (S)				
	23.0 Mos				
	@ Rs 6 2 62.10/No				
				Rs 277862	
				Rs 97 19259=	
Add. GST + L cess (13%)	12% +	1%		Rs 1263	
	C/o.		Rs = 10982763-		
				(B) [signature] 25/11/20 J.E	
	Materials Comp.				
(1)	E/W	—	11107.0 M^3		
(2)	GSB	—	2701.67 M^3		
(3)	Stone (20MM)	—	170.0 M^3		
(4)	Sand	—	84.60 M^3		
			(B) [signature] 25/11/20 J.E		

Continuation