292 Bakhri to Bhaisahva

Schedule XLV-Form No. 134

MMWSY-UEN

Begha-2 DIVISION

Bhitaha. SUB-DIVISION

Agreement No. 18 SBD of 19-20

Measurement Book

Anil Kumar Pathak

5th & final bill

Sch. XLV-Form No. 134

Particulars	No.	L.	B.	D.	Contents of area
	Details of actual measurement				
Name of work: Const. of road from Baluhi to Bhaisahwa					
Agency: Anil Kumar Pathak, West Champaran					
Agreement No. 18 SBD of 19-20					
Agreement Amount Rs 9226171=0					
Date of Start: 07/01/2020					
Date of Completion: 06/01/2021					
Date of Actual Completion: 04/09/2021					
~~Round lamination~~					
~~1 Const of subgrade ...~~					
	2 x 10 x	30.00 x	1.505 x	0.175	= 158.02 m³
	2 x 17 x	30.00 x	1.49 x	0.200	303.96 m³
	2 x 1 x	12.00 x	1.49 x	0.20	7.15 "
	2 x 17 x	30.00 x	1.295 x	0.075	= 99.07 "
	2 x 1 x	12.00 x	1.295 x	0.075	2.33 "
	10 x	30.00 x	7.98 x	0.30	719.20
	1 x	22.00 x	7.98 x	0.30	52.67 "
			Total		1342.41 m³
2 Const. of ~~subgrade~~ granular Sub base					
	2 x 6 x	30.00 x	0.525 x	0.100	18.90 m³
	2 x 1 x	20.00 x	0.525 x	0.100	2.10 "
	6 x	30.00 x	4.05 x	0.100	72.90 "
	1 x	20.00 x	4.05 x	0.100	8.10 "

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2 × 3 ×	30.00 ×	0.375 ×	0.100	6.75 m³
	2 × 1 ×	10.00 ×	0.375 ×	0.100	0.75 "
	10 ×	30.00 ×	4.050 ×	0.200	= 243.00 "
	1 ×	22.00 ×	4.050 ×	0.200	= 17.82
	15 ×	6.00 ×	0.80 ×	0.100	8.78
Less Culvert	3 ×	2.00 ×	4.050 ×	0.200	(-) 4.86 m³
			Total :		374.24
	6 ×	30.00 ×	3.75 ×	0.100	67.50 "
	1 ×	20.00 ×	3.75 ×	0.100	7.50
			Total		449.24 m³
3 Breaking, Laying					
Gr-1B					
	27 ×	30.00 ×	3.75 ×	0.025	= 227.81 m³
	1 ×	12.00 ×	3.75 ×	0.025	= 3.38 "
	2 ×	19.00 ×	$\left(\frac{3.75+3.75}{2}\right.$	3.75)	
			×	0.025	= 1.78 m³
	2 ×	19.00 ×	$\left(\frac{3.75+3.75+3.75}{3}\right.$		
			3.75) ×	0.025	= 1.11 m³
Culvert	2 ×	2.00 ×	3.75 ×	4.050	(-) 1.69 "
			Total :		232.39 m³
4 Breaking and applying primer Coat					
	27 ×	30.00 ×	3.75		= 1912.50 m²
	1 ×	12.00 ×	3.75		= 45.00 "
	2 × 18	00 ×	$\left(\frac{3.75+3.75}{2}\right.$		
			3.75)		= 27.00 m²

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	2×17.00×	(3.75+6.65+3.75)/2 − 3.75)		=	10.20 m²
			Total		989.30
5 Providing and applying tack coat (RS-1)					
	17	× 30.00 × 3.75		=	1912.50 m²
	1	× 12.00 × 3.75		=	45.00 m²
	2×18.00×	(6.65+3.75)/2 − 3.75)			21.60 m²
	2×17.00×	(3.75+6.65+3.75)/2 − 3.75)		=	10.20 m²
			Total		1989.30 m²
6 Providing, laying mix seal surfacing					
	17	× 30.00 ×	3.75	=	1912.50 m²
	1	× 12.00 ×	3.75	=	45.00 m²
	2×18.00×	(6.65+3.75)/2 − 3.75)		=	21.60 m²
	2×17.00×	(3.75+6.65+3.75)/2 − 3.75)		=	10.20 m²
			Total		1989.30 m²
7 Cost of Working Men				=	0.822 km
8 Cost of Roller				=	0.822 km
9 Cleaning & guiling					
	2× 822 ×	1.50		=	2466
			Say	=	0.25 km
10 Excavation for					
	2×10×	30.00×	0.50×	0.10 m.	30.00 cum

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
19 Laying brick work SW					
	2	10	30.00	0.23	= 225 cum
10					
					54/414
Revised measurement					
1 Providing ordinary bolders					= 1 cum
2 Prov. 2nd class stone pro					= 4 cum
3 Prov. boundary pillar					= 24 nos
4 Panty two wall					
	2	3	6.20	1.80	= 66.96 cum
5 Panty of compound wall					
	2	1	30.00	0.10	= 60.00 cum
6 Prov. road metal					
	2	27	30.00	0.10	= 162.00 cum
	2	1	12.00	0.10	= 2.40 cum
				Total	= 164.40 cum
7 Prov. & fixing Mortise Lock					= 2 nos
8 Prov. triangular board					= 10 nos
9 Prov. rectangular board					= 2 nos
10 Prov. Octagonal Board					= 2 nos
11 Prov. 2nd class MP					
	2	3	2.50		= 15 cum
12 Planting of tree					= 50 nos
13					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
[illegible] apron	2X3	X 9.00	X3.00X	0.350	56.70 m3
	Earth work section				
Ch	Area m2		Mean Area m2		volume m3
0	2.687		–		
50	2.921		2.804		140.200
100	7.289		5.105		255.250
103	0.000		3.645		10.934
150	6.538		3.269		153.643
200	5.035		5.787		289.325
250	6.625		5.830		291.500
300	6.812		6.719		335.925
350	6.800		6.806		340.300
400	7.794		7.297		364.850
450	7.730		7.762		388.100
500	6.791		7.261		363.025
550	6.922		6.857		342.825
600	6.243		6.583		329.125
650	0.000		3.122		156.075
678	0.000		0.000		0.000
700	6.369		3.185		70.059
750	3.381		4.875		243.750
800	4.312		3.847		192.325
850	5.950		5.131		~~[illegible]~~ 256.550
900	7.3[illegible]		6.658		332.875

Continuation

Total: 4267.211

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Deduct					
		WBM Gr III			232.39m³
		G.S.B			499.24
		Subgrade			1342.41
E/w in		BOX cutting			28.50
		Rigid pavement			181.77
Qty in Billing					2032.901
Const of embankment —					
lead up to 1000 m					609.87
Const of embankment — lead					
up to 1000 m					1423.03
Nepal [illegible] 04/04/19 JE					
		Material stat			
1 Earth : 1172.14 m³ (20.71/cum)					
2 Stone Metal : 125.21 m³ (576.44/cum)					
3 Screening material : 19.84 m³ (188.4/cum)					
4 Crushed sand : 15.66 cum (345.54/m³)					
5 SS-1 : 1.691 MT (41935.84/MT)					
6 RS-1 = 0.547 MT (40148.84/MT)					
7 S-90 = 3.477 MT (38429.34/MT)					
8 Waste plastic 302 kg					
9 S. aggregate : 53.71 m³ (470.04/cum)					
10 boulder : 56.70 m³					

Continuation

Nepal [illegible] 04/04/19 JE

Abstract of cost of Road work

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1/1 Const of [illegible] Bm wide					
Taluk Hq - 26 : 0.822 km @					
Rs 12110.50 /km				Rs	9955 =00
2/2 Const of R. pillars wide					
Taluk Hq 26 : 0.822 km @ Rs					
13549.24/km				Rs	11138 =00
3/3 Clearing & grubbing wide Taluk					
Hq - 26 : 0.25 Hect @ Rs					
49496.70 /Hect				Rs	12374 =00
4/4 Const of [illegible] clearing					
up to [illegible] wide Taluk Hq -					
29 : 605.87 m @ Rs 174.83/m					106624 =00
5/5 Const of subgrade earth					
Stone wide Taluk Hq : 24 :					
1342.41 m @ Rs 176.47/m				Rs	236895 =00
6/6 Const of embankment : Laterite wide					
Taluk Hq - 29 : 1423.03 m					
@ Rs 58.59/m				Rs	83375 =00
7/7 Excavation for drain wide Taluk					
Hq 26 : 37.80 m Mountain					
28.50 m @ Rs 74.10/m				Rs.	2112 =00
8/8 Laying [illegible] Soling wide Taluk					
Hq - 27 : 825.00 m @ Rs					
47.27/m				Rs	106036 =00
				Total Rs	568509 =00

Continuation

C/f

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B/F Rs 568509 =0

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
9/9 Construct G.S.R wide THD					
by hand 25 = 449.24 m³ @ Rs					
3814.65/m³				Rs	17,13,690
10/10 Prov. laying spreading blow G.S.R					
wide THD by hand	25	=	232.98 m³		
@ Rs 4715.96/m³				Rs	1095,942 =
11/11 Prov. & apply of bitumen coat					
wide THD by hand	26	=	1989.30 m²		
@ Rs 42.08/m²				Rs	83710 =
12/12 Prov & apply tack coat wide					
THD by hand	26	=	1989.30 m²		
@ Rs 14.35/m²				Rs	28548 =
13/13 prov. & laying bituminous					
THD by hand	26	=	1989.30 m²		
@ Rs 226.99/m²				Rs	451551 =
14/14 Const of P.C.C wide THD					
by hand 24 = 181.77 m³ @ Rs					
8511.83/m³				Rs	1547195 =
15/16 Prov. Kalal in stone wide THD					
by hand 29 = 1 No. @ Rs 2788.86/No					2789 =
16/17 Prov. Revetment stone wide THD					
by hand 27 = 4 nos @ Rs 703.47/cum				Rs	2814 =
17/18 Prov. boundary pillar wide THD					
by hand 27 = 24 nos @ Rs 542.78/No				Rs	13027 =
18/19 Painting wide THD by hand 27					
= 66.96 m² @ Rs 96.40/m²				Rs	6455 =

Continuation Total Rs 55,14,033 =

C/A

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B/F Rs. 55,14,033=00

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
19/20 Prov. Concrete hand side					
THD Kgm 27 : 60 cum @ Rs					
90:00 / Each				Rs	5418=00
20/21 Prov. wood / mailing side					
THD Kgm 164.40 m² @ Rs					
735:00/m²				Rs	120900=00
21/22 Prov & fixing GMMG sq board					
side THD Kgm 21 : 2 No's @ Rs					
11734:00/Each				Rs	23470=00
22/24 Prov & fixing painted board side THD Kgm 27 : 2 No's @ Rs 11734:00/Each				Rs	23470=00
23/25 Prov triangular board side THD Kgm 27 : 10 No's @ Rs					
3845:72/Each				Rs.	38457=00
24/27 Prov & fixing rectangular board side THD Kgm 27 : 2 No's @ Rs					
4462:64/Each				Rs	8925=00
25/28 Prov octagonal wood side THD Kgm 27 : 2 No's @ Rs					
8419:45/Each				Rs	16839=00
26/29 Prov 3 no's bolts Hd type THD Kgm 27 : 15 No's @ Rs 865:01/No's				Rs	12975=00
27/30 Planing of tree side THD Kgm 27 : 50 No's @ Rs 800:20/No's				Rs	40015=00

Continuation Total Rs 58,04,502=00

Sch. XLV-Form No. 134 B/F Rs 58,04,502.—

Particulars	Details of actual measurement				Contents
	No.	L.	B.	D.	of area
28/31 Earth work vide TMB by					
No. 21 = 164.25 m³ @ Rs					
260:55/m³				Rs	42801.—
29/32 Sand filling vide TMB by					
No. 21 = 7.32 m³ @ Rs 397:34/m³ Rs					2909:—
30/34 Pro. PCC M15 vide TMB by					
No. 21 = 11.34 m³ @ Rs 7213:58/m³ Rs					81802.—
31/39 Pro RCC M25 vide TMB					
22 = 68.13 m³ @ Rs 8943:39/m³ Rs					609313.—
32/40 Back filling behind abut- vide TMB by No. 22 = 43.20 m³ @ Rs 3675:88/m³				Rs	158792.—
33/41 Pro weep hole vide TMB					
Pg No 22 = 60 Nos @ Rs					
83:38 /each				Rs	5003.—
34/42 Pro & laying cowdust vide					
TMB pg no 28 = 56.70 m² @ Rs					
4615:04/m³				Rs.	261673:—
35/43 Supplying fitting HYSD bar					
vide TMB pg no 22 = 4.83 MT					
@ Rs 53751:57/MT				Rs	259620.—
				Total Rs	72,26,420.—
Add 12% GST			Rs	Rs	8,67,170.—
Add 1% L cess				Rs	72,264.—
				Total Rs	8165854.—

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/A Rs		8165854~
less 0.15% as per Rs					12249=0
			Total Rs		81,53,605=0
less part Amount Rs					6007380~
Payable Amount Rs					2146225=0
Report by 24/05/24					