PMGSY (General) M.B.No.-3446

Schedule XLV-Form No. 134

धनियापुर प्रखण्ड में सहानितपुर पाउण्डरी से मेढुका टोला तक।

एकरारनामा सं०.

संवेदक- निभु सिंह

DIVISION

श्री हिमांशु शेखर प्रसाद सहा० अभि०.

SUB-DIVISION

धनियापुर

MEASUREMENT BOOK

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 No.	L.	B.	D.	Contents of area
	~~Kt and bind~~				
Name of work:-					
	Const of road				
	from Sahajidpur				
	boundary to Madhuk-				
	hali.				
	Agency:- NIU high				
	Age Value - 16.93069				
	Age. No :- 124/20-21				
	Date of start - 19-6-21				
	Completion dt - 18.3.22				
(1)/1	setting out of				
	Dihi ch ——— Ch				
	0.24 K.m				
(2)/2	Clearing and				
	grubbing road				
	land ——— Ch				
	2 x 8 x 25.00 x 1.00 =				400.0
	2 x 2 x 20.00 x 1.00 =				80.0
				T =	480.0 m²
	480.0 / 10000 = 0.048 Ha				
	~~Say 0.05 Ha~~				
	Say 0.05 Ha				

Continuation

P.T. →

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(3)/3	~~BBX~~ CHH'g				
	ex.carriage				
	footing — ET				
	2	240.0	0.75	1.00	250 m³
(4)/6	Const.n Ledge				
	and earthen				
	shoulder — ET				
	2	240.0	2.05	1.00	98.4
	2	240.0	2.05	1.00	98.4
	2	240.0	1.05	1.00	50.4
				T	247.20 m³
(5)/7	Const.n G.S.B				
	get by P/V				
	well graded				
	materials — ET				
In	Widening —				
	2	8	130.0	0.75	2.00	30.40
					(A)
In	partial Concrete				
	1	24.0	3.0	1.00	7.20 m³
					(B)
In	full width.				
A —	1	25.0	8.0	4.05/2	1.00	15.62
	1	5.00	2.43	1.00	1.215
C —	1	25.0	4.6	4.05/2	1.00	10.812

Continuation

P.T.O

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	6	x 30.0	x 4.05	x .10	= 72.90
	1	x 5.0	x 3.75	x .10	= 1.875
				T =	101.864 m³
				(C)	
	Add a+b+C				
	= 159.964 m³				
	@ 101.75 m³				
(6)/8	R.B. in G.L.L				
	p/c laying				
	spreading and				
	compacting —				
				Ref	
a —	1	x 25.0	x 7.0+3.75 / 2	x .075	= 10.078
	1	x 5.0	x 2.45	x .025	= .911
9 m	1	x 25.0	x 4.0+3.75 / 2	x .025	= 7.261
240.0 m	1	x 5.0	x 3.75	x .025	= 1.406
length.	6	x 30.0	x 3.75	x .025	= 50.625
				T =	70.285 m³
	@ 68.85 m³				
(7)/9	plane coat :-				
	p/c applying				
	plain coat into				
	bitumen emulsion				
	SS, ———				Ref.
	1	x 25.0	x 7.0+3.75 / 2		= 134.375

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	1	5.00	2.45	=	12.15
C—	1	25.00	40+3.75	=	96.875
	1	5.00	3.75^2	=	18.75
9 no 240 mm wide	6	30.00	3.75	=	625.00
				T =	937.15 m2
	C/F to 918.00 m2				
(8)/10	Tack coat :-				
	p/r. applying				
	Tack coat with				
	bitumen emulsion				
	RS1				Sq.m
qty.	same item No-(8)/9				
	P.No-4				
	918.00 m2				
(9)/11	Mix-seal surface				
	type B bituminous				
	with waste plastic				
					Sq.m
qty.	same item No-(8)/10				
	P.No-4				
	918.00 m2				
(10)/12	p/r laying &				
	cement conc.				
	pipe 300 m.m Ø				
7.50 m.					

Continuation

P.T.O.

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(11)/17	Boundary wall				
				EI	
22 NO.					
(12)/14	Kilometer stone				
				EI	
2 NO.					
(13)/15	2 no. of stone				
				EI	
1 NO.					
(14)/16	Traffic sign				
				EI	
2 no.	6 no. equivalent				
(15)/17	6 mm circular				
				EI	
2 NO.					
(16)/18	600 mm x 450 mm				
	rectangular				
2 NO.					
(16)/19	300 mm dia				
	octagon				
1 NO.					
(17)/20	Direction board				
	plate identification				
2 NO.					

Continuation

P.T.O.

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(18)/21	Road marking with hot applied				
				Ext	
	2	240.00	0.10		= 48.00 m²
(19)/22	Providing &				
	fixing road				
				Ext	
24 00					
(20)/23	P/F &	fixing			
	logo & project				
				Ext	
4 00					
(22)/24	Excavation				
	Vatio — Ext				
H.H —	2	6.450	1.40	1.50	= 27.090
	1	4.850	1.530	0.365	= 2.709
				T =	29.798 m³
(23)/25	P/F M/S R.C.C.				
	(1:2.5:5) on bedding				
				Ext	
	2	6.450	1.40	0.15	= 2.709
	1	4.93	1.53	0.25	= 1.886
Cooper pipe	0.25	0.7857	1.25²	5.496	0.1637
				T =	2.962 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(24)/28	6 p/r C.C. M				
	p/c in foot				
	6 "			Ef.j	
H.W—	2	6.15	.82	2.38	= 26.181
	2	6.15	.40	1.20	= 5.904
Water Pipe	2	.785	1.230	.622	= 01.4
				T	= 30.607
					M3
(25)/28	p/r laying				
	NPS H.D.				
	100 mm D.				
				Ef.j	
	3	2.50			= 7.50 m
(26)/28	~~Carrying Lift~~				
	painting two				
	coats including				
	primer coat of				
	filling two surface				
				Ef.j	
	2	6.15	3.780		= 46.494
	2	6.15	.60		= 7.380
	2	6.15	.40		= 4.920
	4	.82	2.580		= 8.374
	4	.410	1.200		= 1.920
Less—	2	.785	1.230		= 0.237
				T	= 66.851
					M2

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(27)	Construction				
	made with				
	obtained from				
	bottom Pits				
	As per				
	graphs.				
SL.No	Ch	Dist	Mean dist.	Dist	Volume
1	.000	4.407	—	—	—
2	50	3.581	3.993	50	199.625
3	100	4.443	4.012	50	200.6 m
4	150	3.729	4.086	50	204.3 m
5	200	4.793	4.261	50	213.050
6	240	5.061	4.927	40	197.080
			Total Eqv		1014.655 m³
Un					
(i)	G.S.B Gain				157.75 m³
(ii)	W.B.M Gain				68.850 m³
(iii)	Subgrade				24.220
(iii)	D.M.C.				
	918.00 m² x .025 = 22.95				
					(-) 249.55 m³
	Net adj. Eqv				765.105 m³
	If 10 550.91 m³				
	for 1 m Incl.				
	10.00 m³				
	for 1000 m Incl.				
	540.79 m³				

30.1.22

Continuation

Sch. XLV-Form No. 134

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

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	ABSTRACT OF ITEM				
	V-T-M.B.B 1+0 to 10				
(1)/1	Cutting of earth pillar — Ed				
0.24 K.M	D.N-1				
	@ Rs 12,666.37/K.M				
					Rs 3039/-
(2)/2	Clearing and grubbing road bed — Ed				
0.048 Hc	D.N — 1				
	@ Rs 52,970.33/Hc				Rs 2542/-
(3)/3	Box-cutting excavation for road way — Ed				
25.20 M3	D.N-2				
	@ Rs 130.83/M3				Rs 3296/-
(4)/4	Consolidating embankment with material obtained — Ed				
for 100 m lead	D.N-8				
10.00 M3	@ Rs 96.75/M3				Rs 967/-
for 1000 m lead 540.79 M3	D.N-8				
	@ Rs 197.04/M3				Rs 1,06,557/-
					T-Rs 1,16,401/-

Continuation

P.T.O

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B.F.W	1,16,401/-
(5)/7	Const° of G.C.C by P/C Well guided materials — E/L				
157.75 m³	P. N-3				
	@ Rs. 3166.60/m³				
					Rs. 4,99,531/-
(6)/8	Const° of Footpath and Cattle shoulder — E/L				
247.200 m³	P. N-2				
	@ Rs 183.34/m³				
					Rs. 45,321/-
(7)/8	W. B. M (Grade I — P/L laying, spreading and compaction — E/L				
68.85 m³	P. N-3				
	@ Rs. 439.52/m³				
					Rs. 30,261/-
(8)/9	Prime Coat :- P/L applying primer coat with bitumen emulsion SS-1				
918.00 m²	P. N-4				
	@ Rs 41.34/m²				Rs. 37,950/-
					T-Rs. 11,01,813/-

Continuation

P-T-O

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B.F.@10		01,813/-
(9)/10	Tack coat :-				
	P/L applying tack				
	coat with bitumen				
	emulsion RS-1 @				
918.00 m²		P.N-4			
	@ 13.71/m²				
					12,586/-
(10)/11	Mix-seal surface				
	type B bituminous				
	with waste plastic				
	@				
918.00	m²	P.N-4			
	@ 231.35/m²				
					2,12,379/-
(11)/12	P/L. laying 2				
	cement concrete				
	pipe 300 mm Ø				
	@				E.I.
7.50 m		P.N-4			
	@ 919.99/m				6,900/-
(12)/13	Boundary pillar				
	@				E.I.
22 Nos.		P.N-5			
	@ 522.00/N				
					11,484/-
				T-	12,45,162/-

Continuation

P.T-O

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B.F-		12,45,162/-
(13)/14	R/Lomted				
				E/L	
2 NO.	P. N - J				
	@ 3334.86/N				
					4666/-
(14)/15	200m	210 m			
				E/L	
1 NO.	P. N - J				
	@ 631.52/N				
					632/-
(15)/16	600 mm				
	total			E/L	
2 NO.	P. N - J				
	@ 3501.69/N				
					7003/-
(16)/17	600 mm				
				E/L	
2 NO.	P. N - J				
	@ 4682.70/N				
					9364/-
(17)/18	600 mm x	450 mm			
	rectangular			E/L	
2 NO.	P. N - J				
	@ 4561.19/N				9122/-
(18)/19	200 mm				
1 NO.	P. N - J				
	@ 8297.30/N				8297/-

Continuation

T- 12,84,246/-

P.T- O

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B/F		₹ 12,84,246/-
(19)/20	P/L	laying and			
	Road	Markings			
				EI/	
2	NO.	D.N-5			
	@	₹ 10,172.67	/N		
					₹ 20,345/-
(20)/21	Road	marking			
	with	hot	applied		
				EI/	
48.00	M²	D.N-6			
	@	₹ 859.51	/M²		₹ 41,256/-
(21)/22	P/L	zebra			
	Thermo	plastic			
	Marking	for	pedestrian		
24	NO.	D.N-6			
	@	₹ 832.05	/N		
					₹ 19,969/-
(22)/23	P/L	and	fixing		
	logo	&	project		
				EI/	
4	NO.	D.N-6			
	@	₹ 10,263.99	/N		
					₹ 41,056/-
(23)/24	E/M	in	excavation		
				EI/	
29.798	M³	D.N-6			
	@	₹ 305.40	/M³		₹ 9100/-
					T-₹ 14,15,972/-

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B.F-		14,15,972/-
(24)/25	P/W m/s (1:2:5) in working Cost — E/W				
2.962 m³	@ 5724.07/m³	P.N-6			16,954/-
(25)/26	P/W C.C for Pl'm in Top of t'n — E/W				
30.608 m³	@ 6491.80/m³	P.N-7			1,96,552/-
(26)/27	NPS H.P 8" 1000 mm ϕ — E/W				
7.50 m	@ 3327.20/m	P.N-7			24,954/-
(27)/28	painting two coats — E/W				
66.85 m²	@ 100.80/m²	P.N-7			6738/-
			T-		16,61,170/-
(on 21% below)			@ 3,58,846/-		
			T-		13,12,324/-

Continuation

P.T.O

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F.		14,324/-
Add 12% G.S.T				⊕	1,57,479/-
Add 1% Labour Cess				⊕	13,123/-
Sign Board charge				⊕	13,000/-
					1,95,946/-
					31.1.22

Continuation