NABARD, NH-83 to Habibpur Via
Anuradhi Mahadalit Tola

Schedule XLV-Form No. 134

Ag. No - 14 SBD/19-20

Sherghati DIVISION

Dobhi SUB-DIVISION

Agency :- Satyendra Kumar

Measurement Book

MB no - 1118

Sch. XLV–Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	1	4th and Final Bill			
Name of work:- Construction of road from NH-83 to Hobipur via Anuradha Mahadalit tola under Nabard scheme.					
Name of Agency - Satendra Kumar P.S. Imamganj Gaya.					
Agreement No-145BD-19-20					
Date of Workorder:- 14/8/19					
Date of Completion:- 13/8/20					
Date of measurements- 9/8/20.					
1. Construction of Embankment with different types of soil with different places and different leads as per drawing and technical Spt.					
Chainage in M	Area in M^2	mean Area in M^2	Length in M	Volume in M^3	
0M	7.2				
100M	15.20	11.21	100	1121.0	
200M	9.52	12.36	100	1236	
300M	10.64	10.08	100	1008 M^3	
400M	10.10	10.37	100	1037 M^3	
500M	10.92	10.51	100	1051 M^3	
600M	9.24	10.08	100	1008	
			Continuation C.O.	6461 M^3	

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Chainage	Area	mean Area	Length		Volume
—				B/F	6461 m³
700m	10.64	9.94	100		994 m³
800m	9.80	10.22	100		1022 m³
900m	9.50	9.65	100		965 m³
1000m	9.60	9.55	100		955 m³
1100m	9.70	9.65	100		965 m³
1200m	9.80	9.75	100		975 m³
1300m	9.16	9.48	100		948 m³
1400m	9.0	9.08	100		908 m³
1500m	9.40	9.20	100		920 m³
1600m	10.60	10.0	100		1000 m³
1700m	9.90	10.25	100		1025 m³
1800m	10.0	9.45	100		945 m³
1900	9.20	9.60	100		960 m³
2000m	9.8	9.5	100		950 m³
2100m	10.90	10.35	100		1035 m³
2200m	11.2	11.05	100		1105 m³
2300m	9.80	10.5	100		1050 m³
2400m	10.40	10.10	100		1010 m³
2500m	9.40	9.90	100		990 m³
2600m	9.16	9.28	100		928 m³
2700m	10.0	9.58	100		958 m³
2800m	9.5	9.75	100		975 m³
2900m	9.8	9.65	100		965 m³
3000m	8.4	9.10	100		910 m³
3100m	7.80	8.10	100		810 m³
3189m	5.60	6.70	89		596.30 m³
				C.O.	31325 m³

Continuation

Sch. XLV–Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Total			B/F:-		31325.30
Less for excst:-					-
(i) G.S.B. for B.T. Portion:-					-
2089		4.05		0.20 =V	1692.09 m³
(ii) G.S.B. in C.C.P. Portion:-					-
1100	Nos	3.75		0.10 =V	412.50 m³
(iii) Grade-III-	3189	3.75		0.075 =V	896.91
(iv) C.C.P. Portion:-	1100	3.75		0.160 =V	660 m³
(v) Previous E/W vide Page-(25)-					
1084.56 + 2716.93 + 7128.50 =V					10929.99
			Net E/W :-		16733.81 m³
2. Construction of Subgrade and earthen Shoulder material obtained from Borrow Pits. [67.09% of E/W of Item No. 1 worth 5% Sanctioned Page-(32) - Previous E/W vide Page-(25)]					
or, [67.09% × 16733.81 - 7128.50]					= 4098.21
3. Construction of Subgrade and Embankment with Material obtained from Borrow Pits with Lead 1000m. [6.48% of E/W of Item No.-① Page-32 - previous E/W vide Page-(25)]					
or [6.48% × 16733.81 - 1084.56]					= 1.46 m³
4. Construction of Embankment with material obtained from Borrow					

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Pits with lead - 100 M.					
26.43.1. E/W of item No - (1) Page (32) - Previous E/W vide Page - (25)					
Qty. [26.42 m x 16733.81 - 2716.93]					= 1704.14 m³
5. Construction of granular Sub-base by providing well graded materials Per Specification —					
Widening -	8m	x 1.0	x 0.10	=	0.80 m³
	6 x 25m	x 4.05	x 0.20	=	121.50 m³
	1 x 9m	x 4.05	x 0.20	=	7.29 m³
					129.59 m³
6. Providing laying, Spreading and compacting Stone metal grade - III in roads Per Sqm.					
Widening -	8	x 0.6	x 0.075	=	0.36 m³
	4 x 25m	x 3.75	x 0.075	=	28.13 m³
	2 x 25m	x 3.75	x 0.075	=	14.06 m³
	1 x 24m	x 3.75	x 0.075	=	6.75 m³
					49.30 m³
7. Construction of unreinforced cement concrete Pavement in road as Per drawing and technical Sqm.					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8 x 25m x 3.75 x 0.160m = 120m³					
4 x 25m x 3.75 x 0.166 = 62.25m³					
8 x 25m x 3.75 x 0.165 = 123.75m³					
4 x 25m x 3.75 x 0.163 = 61.13m³					
1 x 25m x 3.75 x 0.164 = 15.38m³					
8 x 25m x 3.75 x 0.160 = 120m³					
1 x 10m x 3.0 x 0.165 = 4.95					
8 x 25m x 3.75 x 0.162 = 121.5					
2 x 30m x 3.58 x 0.160 = 34.37					
1 x 5m x 3.60 x 0.160 = 2.88m					
In widening:- 8m x 0.30 x 0.160 = 0.38					
					666.59
(8) Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular sub-base as per drawing and technical spn:-					
1st km					
8 x 25m x 3.75m = 750m²					
8 x 25m x 3.75m = 750m²					
8 x 25m x 3.75m = 750m²					
16 x 25m x 3.75m = 1500m²					
In 2nd km:-					—
8 x 25m x 3.75m = 750m²					
8 x 25m x 3.75m = 750m²					

Continuation C.O 5250m²

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AE.

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B/F	5250m²
8 x 2.5m x 3.75m					750m²
12 x 2.5m x 3.75m					= 1125m²
4 x 2.5m x 3.75m					= 375m²
In 3rd km:- 3 x 2.5m x 3.75m					= 281.25m²
1 x 14m x 3.75m					= 52.50m²
					7833.75m²
(9) Providing and applying tack coat on road Per sqm = 04 Quantity same as item no (8) Page-(35)				—	7833.75m²
10. Providing Laying and rolling of mix seal surfacing (Premix surfacing) material of 20mm thickness as per drawing and technical sp^n.					
In 1st km:- 8 x 2.5m x 3.75m					= 750m²
8 x 2.5m x 3.75m					= 750m²
8 x 2.5m x 3.75m					= 750m²
16 x 2.5m x 3.75m					= 1500m²
In 2nd km:- 8 x 2.5m x 3.75m					= 750m²
8 x 2.5m x 3.75m					= 750m²
8 x 2.5m x 3.75m					= 750m²
Continuation				C.O.	6000m²

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B/F:-		6000 m²
12 x 2.5m x 3.75m = 1125 m²					
4 x 2.5m x 3.75m = 375 m²					
3 x 2.5m x 3.75m = 281.25 m²					
1 x 1.4m x 3.75m = 52.50 m²					
					7833.75 m²
(11). Reinforced Cement Concrete M.15 grade Km stone and 2 com stone as per spl:-					
(i) Km stone - 1x2 No = 2 No					
(ii) 2 com stone - 1x4 No = 4 No.					
(12) Providing and fixing Retro-reflective raised traffic sign:-					
(i) 600 mm equilateral - 04 No and triangle :-					
(ii) 600 mm circular - 3 No					
(iii) 300 mm x 600 mm rect - 7 No angular :-					
(iv) 600 mm x 450 mm rect - 01 No. (angular :-					
(13) Providing and laying of hot applied thermo plastic Compound 2.5 mm thick as per drawing					

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
and technical Spl's					
on B.T. Surface.					
In 1st km:					
	2	8	25m	0.10	= 40m²
	2	8	25m	0.10	= 40m²
	2	8	25m	0.10	= 40m²
	2	16	25m	0.10	= 80m²
In 2nd km:	2	8	25m	0.10	= 40m²
	2	8	25m	0.10	= 40m²
	2	8	25m	0.10	= 40m²
	2	16	25m	0.10	= 80m²
In 3rd km:	2	3	25m	0.10	= 15m²
	2	7m		0.10	= 1.40m²
	2	7m		0.10	= 1.40m²
					417.80m²
(14) Painting on concrete surface providing and laying 2 coats of Water based cement Paint to unplastered concrete surface as per drawing and technical Spl:-					
	2	8	25m	0.10	= 40m²
	2	4	25m	0.10m	= 20m²
	2	4	25m	0.10m	= 20m²
	2	4	25m	0.10m	= 20m²
	2	4	25m	0.10m	= 20m²
	2	8	25m	0.10m	= 40m²
Continuation					C.O. 160m²

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	2	8 x 25m	x 0.	13/12	= 160 m²
	2	4 x 25m	x 0.	10	= 40m²
					= 20m²
					220m²
15. Providing and fixing of Logo of Nabard project					
(i) Providing and fixing of Logo of Nabard project					1No
(ii) Citizen Information Board					1No
(iii) Maintenance Board					1No
16. Plastering with CM (1:4) on B/W as per drawing					
A sub order (RW)	2	x2 x1.4	x2.8		= 15.68m
A Boundary	2	x7.5 x2.8			= 42.0m
Parapet	2	x6m x	0.60		= 7.20m
					64.88m
17. Providing and Laying					
18. R.C.C. Pipe underground.					
6	x 2.5m				= 15M
18/42, Providing Weephole					~~25No~~
on B/W masonry					25No.
9/8/20					Recd 9.8.20
J.E.					A.E.

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		Abstract of cost			
1. Providing and working Bench Mark. Quantity vide Page-(24) - 3.40 KM @ vide Page RS. 12621.22/KM Rs. 42912=-					
2. clearing and grubbing Road Land Quantity vide Page-(25), 1.19 Hectare @ RS. 49776.13/Hect Rs. 59234=-					
3. Construction of embankment with material obtained from Borrow pit within lead 100 M. Quantity vide Page-(25) - 2716.93 Quantity vide Page-(33) - 1704.14 4421.07 M³ Limited - 4338.79 M³ @ RS. 150.68/M³ Rs. 653769=-					
4. Construction of embankment with material obtained from lead - 1000 M Quantity vide Page-(25) - 1084.56 M³ Quantity vide Page-(32) - 1.46 M³ Limited - 1084.72 M³ @ RS. 194.12/M³				1086.02 M³ Rs.	210562=-
				Continuation ORS.	966477 =-

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F RS. 966477=	
5. Construction of Sub Grade and earthen shoulders with approved material from Borrow Pits as per drawings and technical spl.					
Quantity vide Page (25) - 7128.50 M³					
Quantity vide Page (32) - 4098.21 M³					
				11226.71 M³	
Limited - 10319.62 M³ @ 242.57/M³					RS. 2503230=
6. Construction of granular Sub-base by providing well Graded Material					
Quantity vide Page (28) - 1375.80					
Quantity vide Page (33) - 725.59					
				2101.39 M³	
@ RS. 2125.26/M³					RS. 4466000=
7. Providing and laying spreading and Compacting stone metal Grade - III crushed					
Quantity vide Page (28) - 847.98					
Quantity vide Page (33) - 49.30 M³					
				897.28 M³	
Continuation @ RS. 3081.95/M³					RS. 2767529
				C/RS.	10703236 =

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B/F RS		10703236
8. Providing and applying primer coat with Bitumen Emulsion. Quantity vide Page (35) - 7833.75 M^2 @ RS. 57.44 / M^2					RS. 449,971
9. Providing and applying Tack Coat Quantity vide Page (35) 7833.75 M^2 @ RS. 19.41 / M^2					RS. 152053
10. Providing and applying mix seal surfacing in road Quantity vide Page (36) 7833.75 M^2 @ RS. 228.81 / M^2					RS. 1792440
11. Providing and laying of hot applied thermoplastic on B.T. Surface Quantity vide Page - (37) - 417.80 M^2 @ RS. 850.93 / M^2					RS. 355,519
12. Providing Painting on Concrete Surface Quantity vide Page - (38) - 220 M^2 @ RS. 953.99 / M^2					RS. 209878
Continuation					c/RS. 13663097

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B/F RS.					136,63097=
13. Earth work in excavn for structure as per drawing and technical spn quantity vide page-(26)-365.40 m3 @ RS. 285.92/m3 RS.					104475=
14. Sand filling in foundn trenches Quantity vide page-(26). 5.978 m3 @ RS. 586.20/m3 RS.					3504=
(15) - providing P.C.C. M15 concrete in foundn quantity vide page-(26) - 53.913 m3 @ RS. 5356.04/m3 RS.					288,760=
(15) Providing plain con crete M20 in Open foundn quantity vide page-(26) 107.932 m3 @ RS. 5900.53/m3 RS					636856=
(16) Providing B/ Work in CM (1:4) in foundn quantity vide page-(26) 115.38 m3 @ RS. 6625.90/m3 RS.					764496=
C/O RS.					15461188=

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B/F Rs. 1546188=
17. B/W in C.M. (1:4) in Sub Structure Quarry side Page-(26)					
93.0 cft @ Rs. 6951.40/M					Rs. 646480=
18. Providing plain cement in Sub Structure Quarry side Page-(27)					
90.74 cft @ Rs. 6145.68/M					Rs. 557677=
19. Providing and laying bottoming stone pitch - Quarry side Page-(27) - 15 M					
@ Rs. 1378.32/M					Rs. 20,675=
(20) Supplying, fitting and laying HYSD bar reinforcement in Super Structure. Quarry side Page-(27) - 3.487 M.T					
@ Rs. 78954.61/M.T					Rs. 268,341=
(21) Providing P.C.C. 1:2:4:5 in Parapet Quarry side page-(27)					
2.80 cft @ Rs. 5356.04/M					Rs. 14,997=
				C/F	Rs. 1169358=

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B/F Rs.	1,696,9358=
(22) Providing and laying reinforcement in Deck Slab @ quantity vide Page (27)					
29.19 m				@ Rs. 7365.28/m	Rs 214993=
17. B/Work cm. (1:3) in Parapet quantity vide Page-(28)-					2.88 m³
@ Rs. 7765.95/m³					Rs 22366=
18- Plastering with cm (1:4) in B/W quantity vide Page-38)					
64. 8 m²				@ Rs. 47.97/m²	Rs 3109=
19/18. Providing and laying R.C.C. Pipe under ground quantity vide Page-(38).					
15m				@ Rs. 928.23/m	Rs. 13923=
20/42. Providing weep hole in B/W quantity vide Page-(38) -					25 No.
@ Rs. 143.34 each					Rs. 3586=
21/6.4. Construction of unreinforced cement concrete Retaining wall in					
				C/F Rs.	17230335 =

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
in road as per BMRR					1723033
the quantity vide Page					
(34) - 666.59 m3					
@ Rs. 7228.23/m3 Rs.					48,18,266
22. Reinforced cement					
Concrete M15 Grade					
(ii) Km stone. Quantity vide					
Page - (36) - 2 No -					
@ Rs. 2279.53 each Rs.					4559
(iii) 200m stone quantity					
vide Page - (36) - 4 No -					
@ Rs. 655.35 each Rs.					2621=
23. Providing and					
fixing Retro Reflective					
rise traffic sign					
Quantity vide Page - (36)					
respectively.					
(i) 600 mm equilateral					
triangle - Quantity					
vide Page - (36) - 4 No.					
@ Rs. 3035 each Rs.					12140=
(ii) 600 mm circular					
- vide Page - (36) - 3 No.					
@ Rs. 4247 each Rs.					12741=
(iii) 800 mm x 600 mm rect					
angular vide Page - (36) - 7 No.					
@ Rs. 6127.0 each Rs.					42889=

Continuation c/o Rs. 22,23,551=

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F Rs	22,13,551
24 providing and fixing "Logo" of Nabard Informatory sign Board Citizen Board and Maintenance Board					
Dummy vide page (35)					
(i) Logo Board - 1 No. @ Rs 10597.31 each					Rs 10597
(ii) Citizen Information Board vide page (38) 1 No @ Rs 10579.31 each					Rs 10579
(iii) Maintenance Board vide page (39) - 1 No. @ Rs 10579.31 each					Rs 10579
				Rs	22,45,306
Less 10% bal				Rs	22,4531
				Rs	19,79,775
Less previous payment				Rs	7,50,000
				Rs	12,29,775

9/8/20
J.E

(signature) 09.8.20
AE

CTP
Passed for Rs ... 6/11/2020