M/scheme :- Construction &/or Maintenance of Road from Kansari Bandh To Kansari Mahadalit Tola In Pumpum Block

Shedule XLV Form No. 134.

Agw:-07/SBD/2022-23

DIVISION

less -0.25 f.

SUB-DIVISION

वर्ष/वर्षांक :- 22/23

Month :- Baijayanti Tirary

Measurement Book

1263

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
[illegible]					
[illegible]					
Name of Work:- Construction & five year Maintenance of road from Kansari bandh to Kansari Mahadalit tola under PMGSY in Sempurblock					
Agency:- Baijanti Tiwari					
Agr No:- 07/SIBD/2022-23					
Start. date - 19/9/2022					
Int. date of Comp. 18/11/2022					
Date of Entry					
(1/1) Providing & Rampwork					
Bench Mark - b - 1					
	1	0.133 KM			= 0.133 KM
(2/2) Clearing & grubbing road land -					
	1	30.00	3.50	(Av)	= 105.00 M²
	3	30.00	3.50	(Av)	= 315.00
	1	13.00	3.50	(Av)	= 45.50
					= 465.50 M²
OR- 465.50 / 10000		=		0.465	Hect.
			Ans	0.44	Hect

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Pucca drain				
3/19 E/W in excavation in ordinary soil etc. complete					
	1 × 130.00 × 1.00 × 0.625				= 81.25 m³
4/20 Sand filling in foundation					
	1 × 130.00 × 1.00 × 0.075				= 9.75 m³
5/21 Brick flat soling					
	1 × 130.00 × 1.00				= 130.00 m²
6/22 P/N PCC M-15 in foundation					
	1 × 130.00 × 1.00 × 0.15				= 19.50 m³
7/23 Brick masonry (1:4)					
	1 × Foundation				
Both side -	2 × 130.00 × 0.25 × 0.525				= 34.13 m³
8/24 Plastering work CM (1:4)					
Inside face :	2 × 130.00 × 0.525				= 136.50 m²
9/25 1.5 mm thk cement pump					
Qty same above					9/25 = 136.50 m²
10/8 Const of GSB. Grl					
Mahadeshwar tola to Band					
CH: 00 - 1330 M					1330 M
	1 × 8.50 × 4.10				= 34.85 m²
	1 × 12.40 × 3.60 + 4.25 / 2				= 43.50
					= 78.35 m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	1	18.80	$\frac{4.25+3.90}{2}$		= 76.61 m²
	1	9.70	$\frac{5.90+4.40}{2}$		= 45.59 "
	1	17.50	$\frac{4.40+6.10}{2}$		= 91.88 "
	1	9.30	$\frac{6.10+7.00}{2}$		= 60.92 "
	1	9.20	$\frac{6.00+5.50}{2}$		= 58.60 "
	1	7.10	$\frac{4.50+5.00}{2}$		= 33.73 "
	1	7.30	$\frac{5.00+5.00}{2}$		= 36.00 "
	1	15.30	$\frac{6.50+7.25}{2}$		= 105.19 "
	1	8.80	$\frac{7.25+5.00}{2}$		= 53.90 "
	1	9.50	$\frac{5.40+5.00}{2}$		= 47.58 "
			Total Area		= 680.32 m²
Less Drain Area					
	1	130.00	1.00		= (-) 130.00 m²
			Net Area		= 550.32 m² : (A)

G03. Qty = 550.32 × 0.10 = 55.03 m³

11/9 Const of WBM. Gr 3.
do — do on Cft. of

Area Same above Qn 10 Mark (A)
= 550.32 m²

G03 Qty = 550.32 m² × 0.075 = 41.27 m³

25/10/22 ME

25/10/22 AE

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Record. Measu				
1/10	Const of Unreinforced C.C. Pavement M-30 —				
	do — — — —				
	Mahadeshwar to Band				
	CH: 00 — 133 M.				
	1	8.50	4.10	=	34.85 m²
	1	12.00	$\frac{3.00+6.25}{2}$	=	43.50 "
	1	18.80	$\frac{4.95+3.90}{2}$	=	76.61 "
	1	9.70	$\frac{5.00+4.40}{2}$	=	45.59 "
	1	17.50	$\frac{4.40+6.10}{2}$	=	91.88 "
	1	9.30	$\frac{6.10+7.00}{2}$	=	60.92
	1	9.20	$\frac{6.00+5.00}{2}$	=	50.60 "
	1	7.10	$\frac{4.50+5.00}{2}$	=	33.73
Curve.	1	7.30	$\frac{5.00+5.00}{2}$	=	36.00
	1	15.30	$\frac{6.50+7.25}{2}$	=	105.19
	1	8.80	$\frac{7.25+5.00}{2}$	=	53.90 "
	1	9.50	$\frac{5.00+5.00}{2}$	=	47.50
	Total Area			=	680.32 m²
Less drain Cover plot Area					
	1	130.00	1.00	= (-)	130.00 m²
				=	550.32 m²
R/4 =	550.32 m²	× 0.160		=	88.05 m²
2/26	Pr RCC M-20 Cover Slab				
	do — — — Cub M				
	12	10.00	1.00	× 0.15 =	18.00
	7	0	1.00	× 1.00 × 0.15 =	1.05
				=	19.05

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(3/17) S/F & Placing HYSD bar in foundation — do —					
Ring. 10 ϕ					
	12 × 66 Nos × 2.15 × 0.62 kg				= 1055.76 kg
	7 × 6 Nos × 2.15 × 0.62				= 55.99
Bar de (Cross bar) - 10 ϕ.					
	12 × 6 Nos × 9.95 × 0.62				= 444.17
	7 × 6 Nos × 0.95 × 0.62				= 24.74
					= 1580.64 kg
					≈ 1.58 MT.
(4/11) Lay-in Brick work in CM					
— do — do —					
Right side	1 × 3 ×	25.00 ×	0.25		= 18.75 m2
"	1 × 1 ×	30.00 ×	0.25		= 7.50 "
Left side	1 × 1 ×	10.00 ×	0.25		= 2.50 "
Right side	1 × 1 ×	25.00 ×	0.25		= 6.25 "
Left side	1 × 1 ×	5.00 ×	0.25		= 1.25 "
					= 36.25 m2
(5/17) Lay-in 300 ϕ RCC Duct Pipe — do — — do —					
	15 × 2 × 2.50 m				= 75.00 M
(6/16) Hot applied Thermoplastic Compound — do — — do — — do —					
	2 × 133.00 ×	0.10			= 26.60 M2

Sd/- 5/11/22 JE

Sd/- 5/11/22 AE

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Record Entry					
(1) Comp. of Embankment.					
Ch — to — Ch 85					
CH. (M)	C/S M²	Mean C/S M²	Distance (M)		Volume (M³)
00	6.772	—	—		—
30	12.850	9.811	30.00		294.33
60	14.858	13.858	30.00		415.50
90	12.340	13.595	30.00		407.85
120	8.950	10.645	30.00		319.35
133	5.450	7.200	13.00		93.60
Total Qty (With Crust) =					1530.63 M³ (A)

Deduction for:

(a) GSB Qty —— 55.03 m³

(b) WBM Gr 3 —— 41.27 "

(c) C.C Layer —— 88.05 "

(d) Sub. grade.

1 × 133.00 × (6.75 − 1.00) × 0.30

= 229.43 m³

(e) Shoulder earth.

1 × 127.00 × 1.50 × 0.335

= 61.88 m³

(f) Excavated Earth for drain

= 81.25 m³

(g) Volume of Drain

1 × 130.00 × 1.00 × 1.00

= 130.00 M³

Total (a+b+c+d+e+f+g) = 686.91 M³ (B)

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Net Embkt Qty = (A - B) =				1530.63 - 686.91	
				= 843.72 M³ (C)	
67% Qty of (C) with lead 100 Mtr					
843.72 × 67% = 565.29 M³ — (D)					
33% Qty with 1000M lead					
= 843.72 × 33% = 278.43 M³ (E)					
(23) Cont of Embkt with					
excavated earth from Drain					
do — do					
Qty vide P-(2) Page 3/20 =				81.25 M³	

12/11/22
JE

12/11/22
AE

NHBARD

8

Sch. XLV-Form No. 134

1st RA Bill

Particulars	Details of actual measurement No.	L	B.	D	Contents of area
Name of work: Const^n & Fin yearl Maintenance of road from Kanwari Land to Kanwari Mahadalit Mola in Gurpa.					
Agency: Baijanth Tiwary.					
Agr No 07/SBD/2022-23					
Start date - 19/9/22					
Int. date of Completi - 18/11/22					
Date of Entry - 18/11/22					
(1/12) Providing KM Stone.					
			Total - 2 Nos		
(2/13) 600 mm Circular(Spun) RCC Pipe					
			Total. 2 Nos		
(3/15) 600x450mm RCC Slip					
			Total. - 2 No		
(4/14) 900mm Octagonal Slip					
			Total. 2 Nos		
(5/18) Typical Safety. Board area 4.50					
	Logo	—	2 Nos		
	Safety.	—	1 No		
	Mast.	—	1 No		
			= 4 Nos		

18/11/22 JE

18/11/22 SE

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
ABSTRACT OF COST.					
(1/1) Fixing work in Bench Mark					
= 0.133 km (P-1, Q+ 1/1)					
@ 11225=66/km					₹ 1493=00
(2/2) Clearing & grubbing in road L=0.44 Hect (P-1, Q+ 2/2)					
@ 53907=68/Hect					₹ 23719=00
(3/3) Const. of Earth work level 100 Mtrs					
=565.29 M³ (vide page (7) Mark D)					
@ 154=68/M³					₹ 87439=00
(4/4) Const. of Earth work excavated material for drain					
= 81.25 M³ (P-7, Q+a 2/3)					
@ 56=16/M³					₹ 4563=00
(5/5) Const. of Earth work level 1000 M					
= 278.43 M³ (P-7, Mark-E)					
@ 192=09/M³					₹ 53484=00
(6/6) Const. of Sub grade do do Cut					
= 229.43 M³ (P-6, Q+(1), Mark(d)					
@ 241=22/M³					₹ 55343=00
(7/7) Const. of Earthen Shoulder					
= 61.88 M³ (P-6, Q+(1), Mark(e)					
@ 190=07/M³					₹ 11762=00
					237803=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(8/8) Cont of GSB Gr I — do					
cont as					
Limit = 55.03 M³ (P-3, Sl 10/8)					
Limit - 54.92 M³					
@ 2654=85/M³ — ₹					145804=00
(9/9) Cont of WBM Gr 3-					
do — do cft					
= 41.27 M³ (P-3, Sl 11/9)					
Limit. 41.20 M³					
@ 3440=34/M³ — ₹					141742=00
(10/10) Cont of Unreinforced					
C.C. Nom M-30 — do					
= 88.05 M³ (P-4, Sl 10/10)					
Limit- 87.87 M³					
@ 6358=28/M³ — ₹					558702=00
(11/11) Lay & Bunch sol p					
do — do					
= 36.25 M² (P-5, Sl 4/11)					
@ 475=49/M² — ₹					17237=00
(12/12) Fix & km. Stone					
= 2 Nos (P-8, Sl 1/12)					
@ 2228=14 each. — ₹					4556=00
(13/13) 600mm Circular (Spec'd)					
Sign					
= 2 Nos (P-8, Sl 2/13)					
@ 3475=31 each — ₹					6951=00
(14/15) 600×450 Rect Sign					
= 2 Nos (P-8, Sl 3/14)					
@ 4529=35 each — ₹					9059=00
Continuation					1121854=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(15/16) 900 mm dia RCC Spr					
= 2 Nos (P-8, Sl					
@ 8246.24 each					₹ 16492=00
(16/16) Apply & Thermoplastic					
Coat on ———					
= 26.60 M² (P-5, Sl 6/16)					
@ 753=11/M²					₹ 20033=00
(17/17) Lay & RCC (M 300 ϕ					
dr ———					
= 75.00 M (P-5, Sl 5/17)					
@ 739=00/M					₹ 55425=00
(18/18) Typical Inspection					
Bend arr Sl No					
= 4 Nos (P-8, Sl 5/18)					
@ 9486=16 each					₹ 37945=00
(19/19) E/W in excav & fill in					
found ———					
= 81.25 M³ (P-2, Sl 3/19)					
@ 310=73/M³					₹ 25247=00
(20/20) Sand filling in found					
= 9.75 M³ (P-2, Sl 4/20)					
Less = 8.72 M³					
@ 524=78/M³					₹ 4576=00
(21/21) Brick flat soling in					
found ———					
= 130.00 M² (P-2, Sl 5/21)					
Less = 116.25 M²					
@ 283=53/M²					₹ 32960=00
					1314532=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(22/22) P/w RCC M-15 in Arch ...					
= 19.50 M³ (P-2, Qt 6/22)					
Less 17.44 M³					
@ 5270=55/M³					₹ 91918=00
(23/23) B/w (1:4) in Arch ...					
= 34.13 M³ (P-2, Qt 7/23)					
@ 5822=61/M³					₹ 198726=00
(24/24) Plain w/p Cem (1:4)					
= 136.50 M² (P-2, Qt 8/24)					
@ 149.82/M²					₹ 20450=00
(25/25) 1.5 mm Cem Rep.					
= 136.50 M² (P-2, Qt 9/25)					
@ 48.34/M²					₹ 6611=00
(26/26) P/w RCC M-20 in Cem Sch. ...					
= 19.05 M³ (P-4, Qt 8/26)					
Less 17.44 M³					
@ 5972=85/M³					₹ 104161=00
(27/27) S/F & Place HYSD.					
Bar ...					
= 1.58 MT (P-5, Qt 3/27)					
Less 1.57 MT					
@ 55367=30/MT					₹ 86927=00
					₹ 1823325=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			13F		₹ 18,23,325=00
Add: Lab Cess			1%		₹ 18233=00
Add: GST		—	12%	₹	2,18799=00
Add: Secy Fee-					
(I) Earth work = 1132.03 m³					
@ 3=48/m³					₹ 3939=00
(II) GSB G-I = 54.92 m³					
@ 57=49/m³					₹ 3157=00
(III) WBM G-3 = 41.20 m³					
@ 60=29/m³					₹ 2484=00
(IV) CCD-M-30 = 87.87 m³					
@ 60=29/m³					₹ 5298=00
~~(IV) BIF/Lab = 36.25 m²~~					
~~@ 14=18/m² ₹ 674=00~~					
~~@ 32=72/m² ₹~~					
(V) PCCM-15 = 17.44 m³					
@ 66=88/m³					₹ 1166=00
(VI) RCCM-20 = 17.44 m³					
59=92/m² @ ~~59=92/m³~~					1045=00
					~~₹ 1038=00~~
(VI) Hard Soldering = 36.25 m² @ 32=72/m²					₹ 1186=00
(VII) BIF/Slab = 116.25 m²					
@ 17=04/m²					₹ 1981=00
					~~₹ 20256=00 (A)~~ 20256=00
					₹ 2080613=00
Less 0.25% below (A)					₹ 5202=00
Payable					₹ 2075011=00

18/11/22

18/11/22

Lab

18-11-22

Continuation