तेलपा मदेन्द्रया पम से तिलकचारी बिगहा पम

Schedule XLV-Form No. 134

अरवल DIVISION

करपी SUB-DIVISION

MEASUREMENT BOOK

677

677

1st on A/c Bill

Name fo work— 1
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 measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Road :- Telpa Mehandiya Path to tilakdhari Bigha.					
Agency :- Akhileshwar Sharma vill- Serthua, Jehanabad					
Agr. No :- 85/SBD/MMGSY/2019-20					
Date of Start :- 12.02.2020					
Date of Completion :- 11.11.2020					
(1) Setting out Pillar - do - do -					
(a) Benchmark - 1.00 Nos					
(b) Reference pillar - 2.00 Nos.					
2. Clearing & grubbing of Road land - do. do -					
502 X 3.50 = 1757 m^2					
In Hect.					
					$\frac{1757}{10000} = 0.176$ Hect
3. Excavation in soil - do - do -					
2 X 200 X 0.375 X 1.00 = 15.00 m^3					

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
4. E/W in excavation for foundn. -do- -do-					
~~Head~~ wall					
2 x 4.	15 x	1.40	x 1.47	= 17.08	
Bedding					
1 x 5.78	x 1.07	x 0.250	= 1.55		
			Total	18.63 m³	
5. P/y PCC M15 in open foundation -do- -do-					
2 x 3.857	x 1.40	x 0.150	=	1.620 m³	
6. Head wall in Brick Masonary C:M (1:4) -do-					
do-					
2 x	3.85	x 0.825	x 2.005	= 12.74	
deduction for Pipe: 2 x	0.46	x 0.61	=	0.57	
				12.17 m³	
7. Laying first class Bedding					
-do- -do-					
1 x 5.78	x 1.07	x 0.55	=	3.400 m³	
~~Deduction~~ -					
1 x 5.78	x 0.22	=	1.270 m³		
				2.130 m³	
8. Laying 600mm ϕ RCC NP3 Pipe -do- -do-					
3	x 2.50	=	7.50 m		
9. Head wall in brick masonary					
-do- -do-					
~~Parapet~~					
2 x	3.85	x 0.60	x 0.40	= 1.85 m³	

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
10. Plastering with cement-mortar -do- do -do-					
Parapet sides.					
4		3.85		1.00	= 15.40 m2
parapet faces.					
4		0.40		0.50	= 0.80 m2
parapet top					
2		3.85		0.40	= 3.08 m2
Head wall side					
2		3.85		0.60	= 4.62 m2
					23.90 m2
11. Painting on concrete/steel surfaces - do do -					
Qty vide this A.B.P (3)					
Item no - 10					
					~~Qty = 23.90 m2~~
12. Construction of granular sub-base with approved material - do do -					
1	×	5.00 ×	$\frac{3.30+4.90}{2}$	× 0.100	= 3.90 m3
1	×	10.00 ×	$\frac{4.90+4.00}{2}$	× 0.100	= 4.650 m3
1	×	15.00 ×	$\frac{4.00+3.75}{2}$	× 0.100	= 5.81 m3
4	×	30.00 ×	3.75	× 0.100	= 45.00 m3
1	×	10.00 ×	3.75	× 0.100	= 3.75 m3
1	×	5.00 ×	3.75	× 0.100	= 1.94 m3
1	×	20.00 ×	$\frac{4.00+4.60+4.10+5.00}{4}$	× 0.100	= 8.85 m3
1	×	15.00 ×	$\frac{5.00+4.50}{2}$	× 0.100	= 7.13 m3

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	1	10.00	$\frac{4.50+3.75}{2}$	0.100	$= 4.13\ m^3$
	3	30.00	3.75	0.100	$= 33.75\ m^3$
Extra widening	1	10.00	$\frac{5+9.50}{2}$	0.100	$= 7.25\ m^3$
widening both side					
	2	6	30.00	0.375	$\times 0.100 = 13.50\ m^3$
	2	1	22.00	0.375	$\times 0.100 = 1.65\ m^3$
Profile Correction					
	6	0.25	0.40	0.100	$= 0.06\ m^3$
	13	0.30	0.50	0.100	$= 0.195\ m^3$
	9	0.65	0.90	0.100	$= 0.527\ m^3$
	16	1.00	0.45	0.100	$= 0.720\ m^3$
				Total Qty	$= 142.212\ m^3$

13. Plv. laying, ~~se~~loading & Compacting of WBM III —do—do— as per spec. & dir of E/I

	1	5.00	$\frac{3.30+4.90}{2}$		$= 33.00\ m^2$
	1	10.00	$\frac{4.90+4.00}{2}$		$= 46.50\ m^2$
	1	15.00	$\frac{4.00+3.75}{2}$		$= 58.125\ m^2$
	4	30.00	3.75		$= 450.00\ m^2$
	1	10.00	3.75		$= 37.50\ m^2$
	1	5.00	$\frac{3.75+4.00}{2}$		$= 19.375\ m^2$
	1	20.00	$\frac{4.00+4.50+4.00+5.00}{4}$		$= 88.50\ m^2$

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1 x 15.00 x		$\frac{5.00+4.50}{2}$	=		71.25 m²
1 x 10.00 x		$\frac{4.50+3.75}{2}$	=		41.25 m²
6 x 30.00 x		3.75	=		675.00 m²
1 x 6.00 x		3.75	=		22.50 m²
1 x 25.00 x		$\frac{3.75+4.25}{2}$	=		100.00 m²
1 x 111.00 x		$\frac{4.25+5.10+4.50}{3}$	=		50.78 m²
widening at Branch Rd At Ch. 250m					
$\frac{1}{2}$ x 7.30 x		13.50	=		49.275 m²
Branch Rd.					
1 x 6.00 x		$\frac{4.70+5.40+3.90}{3}$	=		28.00 m²
1 x 30.00 x		$\frac{3.90+4.50+4.70+4.00}{3}$	=		128.25 m²
1 x 4.00 x		$\frac{4.00+3.75}{2}$	=		15.50 m²
1 x 30.00 x		3.75	=		112.25 m²
widening At End -					
$\frac{1}{2}$ x		4.00 x 3.00	=		6.00 m²
Extera widening near Samudaraya Bhawan					
1 x 10.00 x		$\frac{5.00+9.15}{2}$	=		72.50 m²
			Total Area		= 2105.56 m²
Total Qty = 2105.56 x 0.075 = 157.92 m³					

14. Construction of un-reinforced Cement concrete M30 grade —do-do- as per Spec & dir of CE I.

Area under Item No-13 PS

Area = 2105.56 m²

Continuation

Qty = 2105.56 x 0.160 = 336.89 m²

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
15. Construction of subgrade.					
& earthen shoulder -do-					
do-					
Adjacent to CCP					
2 × 490 × 1.225 × 0.160 =					192.08 m^2
Adjacent to WBM					
2 × 490 × 1.400 × 0.075 =					102.90 m^3
Adjacent to G.S.B					
2 × 490 × 1.575 × 0.100 =					154.35 m^2
				Total Qty =	449.33
16. Construction of embankment with material obtained from excavation -do- -do-					

Ch (m)	Area (m^2)	Mean Area m^2	Distance (m)	Qty (m^3)
0	4.016	—	—	—
50	3.960	3.988	50	199.400
100	4.024	3.992	50	199.600
150	5.186	4.605	50	230.250
200	6.024	5.605	50	280.250
250	5.714	5.869	50	293.450
300	4.910	5.312	50	265.600
350	2.028	3.469	50	173.450
400	2.104	2.066	50	103.300
450	3.060	2.582	50	129.10
502	2.160	2.580	52	134.160
		Total Qty =		2008.26 m^3

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Deduction-					
(i) G.S.B -		142.212 m³			
(ii) WBM III -		157.92 m³			
(iii) PCC -		336.89 m³			
(iv) Subgrade -		449.33 m³			
		Total deduction =			1086.352 m³
Net Hw Qty =		2008.26 - 1086.352			
		= 921.908 m³			
(a) 1000 m lead (30%)					
921.908 × 0.30 = 276.58 m³					
(b) 100 m lead (70%)					
921.908 × 0.70 = 645.34 m³					
17. Reinforced cement Concrete M15 grade K.M local stone -do-					
(a) K.M stone - 2					
(b) Loom stone - 2					
18. PIV 2 firing & retro reflective traffic sign. de-					
(1) 600mm equilateral triangle. Qty = 4.00 Nos					
(2) 600 mm circular Qty = 2.00 Nos					
(3) 600mm × 450mm rectangular Qty = 2.00 Nos					

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
19. P/y & fixing of typical MMCNSY Informatory sign. —do—do—	Qty = 3.00 Nos.				
20. Reinforced Cement Concrete. M15 grade Boundary Pillar —do—do—	Qty = 6.00 Nos.				
21. Road marking with hot applied thermoplastic Compound—do—					
	2	x 502	x 0.10		= 100.40 m²
22. Laying bricks for soling layer—on prepared subgrade —do—	1	x 502	x 0.250		= 125.50 m²
	1	x 490	x 0.250		= 122.50 m²
					Total 248.00 m²

9/10/20
SK

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
ABSTract of Cost					
1. setting of working drawing.					
1 Const of refrence pillar-do-					
V.T.M.B.P-①					
1.00 No @ Rs	3589.47	each		Rs	3589=00
2. Const. of Refrence pillar-do-					
2 V.T.M.B.P①					
2.00 Nos @ Rs	1634.010	each		Rs	3268.02
3 Clearing & grubbing					
3 at Road land -do-					
N.T.M.B.P-①					
0.176 Hect @ Rs ~~25527.86~~ 44496.70		Hect			
				Rs	8711=00
4 Excavation in soil-do-					
4 do - UTM BP-①					
15.00 m³ @ Rs	74.100	/m³		Rs	1112=00
5 Const. of embankment-					
5 -do- do- 100mm lead					
UT.M.B.P 7					
276.58 m³ @ Rs	175.110	/m³		Rs	47362=00
C+ 270.469					
6 100 m lead					
6 U.T.M.B.P 7					
645.34 m³ @	139.620	/m³		Rs	88113=00
C+ 631.094 m³					

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
7/7 Const of subgrade & earthen shoulder -do-do- VT.M.B.P 6					
449.33 m³ @ Rs 176.750 / m³					Rs 79419=00
8/8 Granular Sub-base with well graded -do-do- V.T.M.B.P 4					
142.112 m³ @ Rs 2070.85 / m³					Rs 294379=00
+ 137.813					Rs 285402=00
9/9 - Ply. laying, sepradating & Compacting WBM -do- VTMB P-5					
157.92 m³ @ Rs 2725.74 / m³					Rs 425853=00
+ 156.234 m³					
10/10 Const. of un-reinfroced plane cement Concrete - V.T.M.B.P(5)					
~~336.89~~ ~~2705.13~~ m² @ Rs 5811.66 / m²					Rs 195620=00
+ 336.600 m²					
11/11 laying bricks Soaling layer -do-do- V.T.M.B.P(8)					
248.00 m² @ Rs 472.48 / m²					Rs 117175=00
12/12 Reinforced Cement concrete M15 grade K-M Stone -do-do- VTMBP.7					
2.00 Nos @ Rs 1981.180 / each					Rs 3962=00

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
13/13 200 mm stone					
UTMBP-7					
2.00 Nos @ Rs 554.190/each					Rs 1108=00
14/14 PIV & fixing typical MM(15)4 informatory sign					
board -do- do -					
UTMBP-8					
3.00 Nos @ Rs 9106.300/each					Rs 27319=00
15/15 Recro-Reflective sign					
-do- do - 600 mm equilateral					
triangle -do- do -					
U.T.M.B.P-7					
4.00 Nos @ Rs 3834.982/each					Rs 15340=00
16/16 600 mm circular -do- do					
U.T.M.B.P-7					
2.00 Nos @ Rs 4961.938/each					Rs 9924=00
17/17 (600 x 450) mm rectangular -					
U.T.M.B.P 7					
2.00 Nos @ Rs 4846.580/each					Rs 9693=00
18/18 Boundry pillar M15 grade					
-do- do - UTMBP 8					
6.00 Nos @ Rs 518.66/each					Rs 3112=00

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
19/19 Road marking with hot applied thermoplastic Compound — do - do — V.T.M.B.P 8					
100.40 m2 @ Rs 817.220/m2 Rs 82049=00					
20/20 C/W in excavation — do - VTM BP-2					
18.63 m3 @ Rs 260.59/m3 Rs 4855.00					
21/21 Type-B first-class bedding - do - do — V.T.M.B.P-2					
2.130 m3 @ Rs 449.060/m3 Rs 957=00					
22/22 P/W Concrete for plain reinforced in open found - do — VTM BP-2					
1.620 m3 @ Rs 4362.49/m3 Rs 7067=00					
23/23 Head wall in brick Masonary - do - do					
12.17 m3 VTM BP-2					
1.85 " VTM BP-2					
14.02 m3 @ Rs 5491.99/m3 Rs 76998=00					
24/24 P/W & laying RCC NP2 600mm ϕ pipe - do - do VTM BP-2					
7.50 m @ Rs 2633.931/m Rs 19754.00					

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
25/25 Plastering cement mortar 1:4 do do — UT/MBP 3					
23.90 m2					
LT 14.020 m2 @ Rs 145.70/m2					
					Rs 2043.00
26/26 Painting on steel concrete surface do do — UT/MBP-3.					
23.90 m2					
LT 14.020 m2 @ Rs 126.590/m2					Rs 1775.00
~~Total Rs 32,82,152.00~~					
~~27~~/52 Add 12% GST (+) Rs ~~3,93,858.00~~ As per Agr.					
28/53 Add 1% Labour Cess (+) Rs 32822.00					
Rs 3708832.00					
Less 10% As per Agr (-) Rs 370883.00					
Rs 33,37,949.00					

~~KOTAK~~ 9/10/20 JZ

Continuation