

MBK
गोवाड गोवा अंजना अंजना प्रदं
दोवोको ते दोरिगा नक पर जोवो को

Schedule XLV-Form No. 134

खोवोको ते दो-47 SBT/2017-18

खोवो - गो खोवो को DIVISION

SUB-DIVISION

खोवो को - गो खोवो को

Measurement Book

MB No. - 3037

(खोवो को)

2nd & Final bill

10

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W:-	Construction of Road &				
	C/D Works from Dhenuki				
	to Dewariya, Unda mmsy				
	(NABARD) at block Jaletpu				
N/Agency -	Sri Ravi Ranjan Singh				
Agg. NO -	47/SBD/2017-18				
Date of start -	07.10.2017				
Date of Completion -	06.07.2018				
Actual date of Completion -	28.12.2019				
Items of Work -					
① Earthwork calculation.					

Sl. NO.	chainage (m)	C/S Area m ²	mean C/S Area m ²	Dist (m)	Volume (m ³)
1	0	1.678	0.839	0	00.00
2	50	1.556	1.617	50	80.850
3	100	1.730	1.643	50	82.150
4	150	1.704	1.717	50	85.850
5	200	2.033	1.869	50	93.425
6	250	1.653	1.843	50	92.150
7	300	1.601	1.627	50	81.350
8	350	1.491	1.546	50	77.300
9	400	1.532	1.512	50	75.575
10	450	2.250	1.891	50	94.550
11	500	2.133	2.192	50	109.575
C/D, Total =					872.775 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1	200	3.125	Qty B/F =		872.775 m ³
10	1120	3.125	1.21	21	44.220
Total Earthwork including cut					872.775 m ³
8 Less for G.S.B.					(-229.03 m ³)
5 Less for WBM-3					(-140.75 m ³)
9 Less for P.C.C.					(-30.30 m ³)
2 Less for PMC					(-58.79 m ³)
Net Qty of Earthwork =					613.905 m ³
Qty of Subgrade & Earthen Shoulder =					207.43 m ³
Total Qty of E/W in embankment =					206.43 m ³
(A) with 100m lead @ 70% =					144.53 m ³
Payable @ 70% =					130.05 m ³
(B) with 100m lead @ 30% =					61.94 m ³
Payable @ 30% =					55.75 m ³
(2) Plr, Laying, Spreading & Compacting of WBM-3					
B.T. Portion					
1 x 10.00 m x 3.125 m x 0.075 m =					2.81 m ³
(3) Construction of Subgrade & Earthen shoulder with approved material.					
For B.T. Portion					
Sides of WBM-3,					
2 x 13 x 30.00 m x 1.025 m x 0.075 m =					59.96 m ³
2 x 1 x 10.00 m x 1.025 m x 0.075 m =					1.53 m ³
Sides of G.S.B.,					
2 x 13 x 30.00 m x 0.975 m x 0.075 m =					133.08 m ³
2 x 1 x 10.00 m x 0.975 m x 0.075 m =					3.41 m ³
For P.C.C. Portion					
Sides of WBM-3, 2 x 2 x 30.00 m x 0.450 m x 0.075 m =					4.05 m ³
Sides of G.S.B., 2 x 2 x 30.00 m x 0.450 m x 0.100 m =					5.40 m ³
Continuation Total =					207.43 m ³

Sch. XLV—Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
(4) P.V. & applying primer					
Coat with bitumen emulsion					
SS-1 on prepared surface,					
1 x 13 x 30.00 m				3.75 m	1462.50 m ²
1 x 1 x 10.00 m				3.75 m	37.50 m ²
Extra width at H-curve,					
2 x $\frac{1}{2}$ x 5.00 m				3.00 m	15.00 m ²
Total =					1515.00 m ²
(5) P.V. and applying tack coat with bitumen emulsion AS-1.					
Qty 21515.00 m ²					
(As per prime coat Area)					

(6) P/V, laying and rolling of close-graded premix surfacing material as per technical specifications.					
Qty = 1515.00 m ²					
(Qty As per prime coat & tack coat Area)					
(7) Earth work in excavation for foundation of structure					
(H.P. Culvert - 1 x 600 mm - 01 No)					
For Head wall,					
2 x 4.15 m		1.40 m		1.470 m	17.08 m ³
Below pipe,					
1 x 5.78 m		1.07 m		0.25 m	1.55 m ³
Total =					18.63 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) P.V. First class bedding on well compacted sand.					
1 x 5.78 m x 1.07 m x 0.55 m = 3.400 m ³					
Less for pipe					
1 x 5.78 m x 0.22 x 1.270 m = (-) 1.270 m ³					
					Total = 2.13 m ³
(9) P.V. & Lining D.C.C. M 15 in open foundation					
H. Well,					
2 x 3.85 m x 1.40 m x 0.15 m = 1.62 m ³					
(10) Brick masonry work in C.M. (1:4)					
H. well, 2 x 3.85 m x 1.25 x 0.400 m = 2.60 m ³					
					Total = 12.70 m ³
Parapet, 2 x 3.85 m x 0.640 m x 0.600 m = 1.85 m ³					
Less for pipe,					
2 x 0.465 x 0.61 m = (-) 0.57 m ³					
					Total = 13.98 m ³
(11) P.V. & Lining R.C.C. pipe NP2 of dia 600 mm.					
3 x 2.50 m = 7.50 m					
(12) Plastering with cement mortar (1:4)					
Outer side,					
2 x 3.85 m x 1.10 m = 7.70 m ²					
Inner side,					
2 x 3.85 m x 0.600 m = 4.62 m ²					
Parapet top,					
2 x 3.85 m x 0.400 m = 3.08 m ²					
Ends,					
2 x 2 x 0.400 m x 0.600 m = 0.96 m ²					

Continuation

Total = 16.36 m²Qty limit = 14.02 m²

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Sch. XLV—Form No. 134

Sch. XLV—Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
<u>Abstract of Cost</u>					
<u>1/</u> PIV & fixing of Bench mark pillars.					
01 NO, vide TMRP-5					
(a) Rs 3956=99/NO - Rs					3957=00
<u>2/</u> PIV & fixing of reference pillars.					
02 NOS, vide TMRP-5					
(a) Rs 1813=65/NO - Rs					3627=00
<u>3/</u> clearing & grubbing of road land.					
0.168 Hect, vide TMRP-5					
(a) Rs 45540=00/Hect - Rs					7651=00
<u>4/</u> Excavation for road work in soil with hydraulic excavator.					
49.50 m ³ , vide TMRP-6					
(a) Rs 71=51/m ³ - Rs					3540=00
<u>5(a)</u> Construction of embankment with 1000m lead.					
55.96 m ³ , vide TMRP-6					
(a) Rs 171=84/m ³ - Rs					9616=00
<u>5(b)</u> Construction of embankment with 100m lead.					
130.57 m ³ , vide TMRP-6					
(a) Rs 153=27/m ³ - Rs					20102=00
Continuation					c/o, Rs 48,403=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F, B		48,403.00
6/8 Construction of granular sub-base by profiling well graded materials.					
For B.T. Portion.					
218.38 m ³ , vide TMRP-6					
For Portion 10.65 m ³ , vide TMRP-7					
229.03 m ³					
① Rs 2712 = 45/m ³ — Rs					6,21,232.00
7/9 P.V. Lining, spreading & Compacting of WBM-3					
For B.T. portion,					
110.39 m ³ , vide TMRP-7					
For Portion 27.55 m ³ , vide TMRP-7					
140.75 m ³					
① Rs 4587 = 64/m ³ — Rs					6,45,710.00
8/15 Construction of un-reinforced plain cement concrete pavement as per technical specifications.					
58.79 m ³ , vide TMRP-7					
① Rs 7365.06/m ³ — Rs					4,32,992.00
9/18 P.V. & Setting of typical mm 454 interlocking sign board with logo.					
04 NOS, vide TMRP-7					
① Rs 9592 = 29/No. — Rs					38,369.00
			C/O, B		17,86,706.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F	PS	17,86,706=40
<u>10</u> 7	Construction of Subgrade				
	& Earthen Shoulder				
	207.43 m ³ , vide TMBP-11				
	① PS 173=44/m ³ — PS				35,977=6
<u>11</u> 10	Plv & applying primer				
	Coat with bitumen emulsion				
	SS-1 on prepared surface				
	1515.00 m ² , vide TMBP-12				
	① PS 48=48/m ² — PS				73,447=60
<u>12</u> 13	Plv & applying tack				
	Coat with bitumen emulsion PS-1				
	1515.00 m ² , vide TMBP-12				
	① PS 16=41/m ² — PS				24,861=60
<u>13</u> 14	Plv, laying and rolling				
	of close graded premix				
	Surfacing materials				
	as per technical specifications				
	1515.00 m ² , vide TMBP-12				
	① PS 228=60/m ² — PS				3,46,329=40
<u>14</u> 23	Earth work in excavation				
	for foundation of structure				
	18.63 m ³ , vide TMBP-12				
	① PS 239=68/m ³ — PS				4465=60
			C/O	PS	22,71,785=60

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/R	PS	22,71,785=
15 24, P/V First class bedding					
on well compacted sand					
2.13 m ³ , vide TMBP-13					
(a) Rs 448=49/m ³ —Rs					955=
16 Plv & Learing p.c.c. 1st					
15 155 in 8 per foundation					
1.62 m ³ , vide TMBP-13					
(a) Rs 5694=18/m ³ —Rs					9225=
17 Brick masonry work					
26 1st c.m. (1:4)					
13.98 m ³ , vide TMBP-13					
(a) Rs 5875=90/m ³ —Rs					82,145=
18 Plv & Learing p.c.c.					
27 pipe NP3 of dia. 600mm					
7.50 M, vide TMBP-13					
(a) Rs 1500=42/M—Rs					11,253=
19 Plastering with cement					
27 mortar (1:4)					
14.02 m ² 16.26 m² , vide TMBP-13					
(a) Rs 149=91/m ² —Rs					2102=
20 Plv & fixing of Kull stones					
16 02 No, vide TMBP-14					
(a) Rs 26372 57/No—Rs					52752=
21 Plv & fixing of 200mm stone					
12 02 No, vide TMBP-14					
(a) Rs 615=80/No—Rs					1232=

Continuation e/o, Rs 23,83,172=

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			BIF	PS	23,83,972=
22 19. P.V. 8 String of traffic					
Sign (semi reflective)					23,82=
600mm equilateral triangle					
02 Nos, vide Tmp P-14					
① PS 1699=95/NO				PS	3400=
23 20. 600mm Circular					
02 Nos, vide Tmp P-14					
① PS 1768=54/NO				PS	35372=
24 21. 600mm x 450mm rectangular					
02 Nos, vide Tmp P-14					
① PS 1761=52/NO				PS	3523=
25 22. Painting lines, dashed					
road marking on					
new work					
80.00m ² , vide Tmp P-14					
① PS 112=48/m ²				PS	89982=
Total, PS					24,03,430=
Less 10% (below)					(-) PS 2,40,343=
					PS 21,63,087=
Less Premium Payment					(-) PS 15,96,433=
Net Payable Amount =					PS 5,66,654=
(Rupees Five Lacs, Sixty Six					
Thousand, Six hundred &					
fifty four) only.					
1					

Continuation

28/12/19
(J.E.)22-04-22
AE30/11/19
25/4/22
AE