

16 on N/C 511

Name for work— cont of road from Pokhariya
 Situation of work— Ramganga to Nagka Tola in Baran
 Agency by which work is executed—
 Date of measurement—
 No. and date of agreement. 18-5-98-2020-21
 (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.	
Agency: <u>Sri Kamesh Bihari Birla of Solan</u>					
Date of start: <u>25.2.2021</u>					
Date of work: <u>24.11.2021</u>					
Date of survey: <u>1.11.2021</u>					
① construction of Bench mark					
pillar ———— do ————					
$15 \times 30 = 450 \text{ m}$					
$1 \times 20 = 20 \text{ m}$					
					470 m or, 0.47 km.
② construction of Reference pillar					
1 B.M. ———— do ————					
					0.47 km.
③ clearing & grading road 1st half					
including ———— do ————					
$2 \times 15 \times 30 \times 1.5 = 1350 \text{ m}^2$					
$2 \times 1 \times 20 \times 1.5 = 60 \text{ m}^2$					
					1410 m ²
					or, 0.141 Ha
④ Pricing and fixing m.m. by					
intergrading Sign Board.					
					1 H.O.
⑤ construction of embankment with					
soil obt from borrow pit had 100					
into 1000 m ———— do ————					

Attested
Axsh
 08/03/22

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
change	c.s.A	m x A	high		ab (2)
0 -	0.64	—	—		0.10
50 -	0.86	0.75	x 50	=	34.50
100 -	1.02	0.91	x 50	=	47.50
150 -	1.56	1.29	x 50	=	64.50
200 -	1.72	1.64	x 50	=	82.00
250 -	1.16	1.44	x 50	=	72.00
300 -	1.10	1.05	x 50	=	54.00
350 -	1.56	1.25	x 50	=	64.00
400 -	1.06	1.31	x 50	=	65.50
450 -	1.04	1.00	x 50	=	53.00
470 -	1.12	1.00	x 20	=	21.50
500					
			Total		561.30

(5) combination of embryonal with adult from horizontal band layers

$$p_1 = 561.3 + 0.21 = 117.87 \text{ m}^2$$

⑦ combination of bamboo with soil at bamboo soil bed 100 m

$$q = 561.3 \times 0.5 = 280.65 \text{ M}$$

⑤ construction of subgroup α construction should be ——— do ———

$$\Delta y = 561.3 - (117.87 + 280.65) = 162.78 \text{ m}$$

③ Example for mixed way suit using manual means - as -

$$2 \times 15 \times 30 \times 0.375 \times 0.1 = 33.75 \text{ m}$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2	1	20	0.375	0.1 = 1.5 m ²
					35.25 m
(10) contribution of 5-3 gully					
material ————					
	2	15	30	0.375	0.1 = 33.75 m ²
	2	1	20	0.375	0.1 = 1.50 "
Profile correction:					
	3	2.1	1.1	0.1	= 2.07 "
	104	0.3	0.45	0.1	= 1.4 "
	36	1.5	1.0	0.1	= 5.4 "
	2	13	0.9	0.1	= 3.42 "
					total 47.54 m ²
(11) Porosity lying sparsely and					
compactly in B.M. No. 3 ————					
	13	30	3.75	0.075	= 10.68 m ²
	1	20	3.75	0.075	= 5.62 "
	5	3.75	0.075		= 1.41 "
	10	3.75 + 5.7 + 5.0	0.075		= 4.61 "
	1	5.0	2.7	0.075	= 1.01 "
	6.0	4.4	0.075		= 1.98 "
	4.0	2.7	0.075		= 0.81 "
	21.0	4.2 + 3.3 + 3.75	0.075		= 6.22 "
	14.0	4.8 + 4.37	0.075		= 4.61 "
					136.14 m ²
					

Continuation

ABSTRACT OF COST

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Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① construction of boundary fence					
mark pillar			ch		
of width 10m no-1					
box no-1 of T.M.B = 0.47 km					
@ Rs 5553.51 / km					Rs 2629.00
② construction of reference pillar					
ch					
of width 10m no-2					
no-2 of T.M.B = 0.47 km					
@ Rs 2859.61 / km					Rs 1351.00
③ clearing and grubbing					
land including			ch		
of width 10m no-3					
no-1 of T.M.B = 0.14 Hect					
@ Rs 51137.38 / Hect					Rs 7159.00
④ fencing and fixing by steel in horizontal					
1/2m Bar			ch		
of width 10m no-4					
no-1 of T.M.B = 1 No					
@ Rs 12756.37 each					Rs 12756.00
⑤ construction of embankment with soil					
obt from borrow pit level 1000 m					
of width 10m no-5					

Continuation

Particulars	Details of actual measurement				Contents area
	No.	L	B	D.	
1/2 m ² of T.M.B = 117.47 m ²					
@ Rs 129.95/m ² —					Rs 15234.95
(6/6) construction of embankment with soil obt from borrow pit level 100 m					
of soil from borrow pit					
no. 2 of T.M.B = 280.65 m ²					
@ Rs 153.52/m ² —					Rs 43065.76
(7/5) construction of sub grade & earthwork shoulder — do —					
of side borrow — 8					
no. 8 of T.M.B = 162.75 m ²					
@ Rs 191.64/m ² —					Rs 31195.70
(8/7) excavation for road way drill using manual means — do —					
of soil from borrow — 9 for					
no. 3 of T.M.B = 35.25 m ²					
@ Rs 75.50/m ² —					Rs 2661.75
(9/9) construction of R.I.B gravelly & materials — do —					
of soil from borrow — 10					
no. 3 of T.M.B = 47.54 m ²					
@ Rs 3135.58/m ² —					Rs 149064.45
(10/10) pouring of concrete for slabs and curbs					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
W.B.M. 2722			dir		
of vol. 11					
Produce - 3 W.T.M.B. 2		136.4	m		
		3764.37			
		2170.42	m		512981.00
(11/11) construction of drainage pipe					
Parment			dir		
of vol. 12					
P - 4 W.T.M.B. 2		287.50	m		
		2170.42	m		2061495.00
					25,46,305.00
(12/21) Add 12% of B			341,556.00		
(13/22) Add 1% L.C.M. of B			28,463.00		
(14/23) - 1% gross fee of B			40,000.00		
					52,56,324.00
(15) deduct 1% on balance			(260,506.00)		
					50,29,958.00
 Date 20.11.2021 J.K.					

Attested
Aush
08/03/22