

Bhojpur Bangadinh PMGSY Road to
TETARIA

Schedule XLV-Form No. 134

E.E R.M.D (M) N.D.B
DIVISION

A-E R.M.D (M) SUB-DIVISION

Magar

MEASUREMENT BOOK

3312

Ist on Atc Bill

1.

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 measurements relating to each work).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work -					
Agency -					
Ag. No -					
Del. -					
To C -					
Date of measurement -					

(1)

Const. of Benchmark

0.974 km

(2)

Const. of reference

Marking B.M.

0.974 km

(3)

Clearing & grubbing

road land

$38 \times 25.00 \times 7.00 = 6650.00 \text{ m}^2$

$1 \times 24.00 \times 7.00 = 168.00 \text{ m}^2$

6818.00 m²

= 0.68 Hect

(4)

Const. of embankment

with approved material

obtained from borrow

part

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	CH	M ²	Meter	Length	Qty
	80	1.40	—	—	—
	100	1.30	1.35	100	135.00
	200	1.40	1.35	100	135.00
	300	1.30	1.35	100	135.00
	400	1.20	1.25	100	125.00
	500	1.10	1.15	100	115.00
	600	1.40	1.25	100	125.00
	700	1.30	1.35	100	135.00
	800	1.20	1.25	100	125.00
	900	1.40	1.30	100	130.00
	974	1.20	1.30	74	96.20

					1256.2043
(2)	1000m	land of	1256.20	30%	= 376.8643
(22)	1000m	land of	1256.20	70%	= 879.3443
(5)	Cost of subgrade				
	and cast on shoulder				
	26x	25.00x	6.89x	0.30	= 1343.5543
	1x	17.00x	6.89x	0.30	= 35.1343
					1378.6843
	26x	25.00x	1.30x	0.20	= 169.0043
	1x	17.00x	1.30x	0.20	= 4.4243
					173.4243
					Total Qty = 1552.1043

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(6) E/W excavation of foundation of structure.					
	2	3.90	1.24	1.50	= 14.51 m ³
	1	6.22	1.02	0.30	= 1.90 m ³
					16.41 m ³
(7) Providing concrete for plain/reinforced concrete in open foundation PCC grade M-15					
	2	3.90	1.24	0.15	= 1.45 m ³
(8) Providing concrete for plain/reinforced concrete in open foundation PCC grade M-20					
	2	3.60	0.865	1.35	= 8.41 m ³
	1	6.22	1.02	0.25	= 1.59 m ³
					10.00 m ³
(9) Plain/reinforced concrete in substructure PCC grade M-20					
	2	3.60	0.48	1.12	= 3.87 m ³
	2	3.14	0.72	0.52	= 0.42 m ³
	4				3.45 m ³
					4.29

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(10)	Providing & laying				
	Cement Concrete hume				
	pipe.				
		3	2.50		= 7.50RM
(11)	Laying (first class)				
	bedding on well compacted				
	Sand.				
	1	6.22	1.02	0.55	= 3.49M ³
	1	6.22	0.16		= 1.00M ³
					2.49M ³
(12)	Filling in foundation				
	trenches				

	2	3.60	0.41		= 2.952
	1	6.46	1.02	0.42	= 2.770M ³
	1	6.46	0.25	(-)	1.590M ³
					1.615
					4.104M ³
(13)	E/W in excavation				
	of foundation of structure.				
	2	6.30	1.40	1.50	= 26.46M ³
	1	5.90	1.50	0.30	= 2.66M ³
					29.12M ³
(14)	Providing concrete for				
	plain/reinforced concrete				
	in open foundation.				
	2	6.30	1.40	0.15	= 2.65M ³

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(15)	Providing concrete for				
	Plain/reinforced				
	concrete in open foundation.				
	PCC grade - M 20				
	2	6.00	1.025	1.35	$= 16.61043$
	1	5.90	1.50	0.25	$= 2.21043$
					18.82043
(16)	Plain/reinforced concrete				
	concrete in superstructure				
	2	6.00	0.533	1.80	$= 11.5243$
	2	6.00	0.40	0.60	$= 2.8843$
	2	3.14	$\frac{\pi (1.20)^2}{4}$	0.60	$= 1.3243$
					13.0403
(17)	Providing & laying				
	concrete in pipe				
	3	2.50			$= 7.5000$
(18)	E/W in excavation				
	for foundation of				
	Structure.				
	2	2	9.10	2.30	$\times 1.60 = 133.964$
	2	4	1.60	2.097	$\times 1.60 = 43.944$
					176.9043
(19)	Providing concrete for				
	plain/reinforced concrete				
	in open foundation.				
	PCC continuation				

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
2x 2x 9.10x 2.30x 0.20 =					16.74m ³
2x 4x 1.60x 2.097x 0.20 =					5.36m ³
					22.10m ³
(20) Providing concrete for					
plain/reinforced concrete					
in open foundation.					
PCC grade M-20					
2x 2x 8.30x 1.80x 1.40 =					83.66m ³
2x 4x 1.60x 1.597x 1.40 =					28.62m ³
					112.28m ³
(21) Plain/reinforced					
concrete in					
superstructure					

					PCC grade M20.
2x 2x 7.50x 1.00x 1.80 =					54.00m ³
2x 4x 2.00x 0.749x 2.09 =					25.04m ³
					79.04m ³
(22) Plain/reinforced					
concrete in					
superstructure.					
					RCC grade M-20
2x 4x 2.30x 0.40x 0.15 =					1.10m ³
2x 2x 7.50x 0.70x 0.20 =					4.20m ³
2x 2x 7.50x 0.40x 0.24 =					2.88m ³
2x 2x 2.60x 0.45x 0.30 =					1.40m ³
2x 4x 0.40x 0.40x 0.60 =					0.76m ³
					10.34m ³

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(23)	Providing & laying reinforcement Cement Concrete in superstructure.				
	2	X	1 X 2.60 X 7.50 X 0.240	= 9.36 M ³	
(24)	Supplying, fitting and placing HYSD bar reinforcement in Superstructure.				
	2	NOs	X 0.79	64 MT = 1.592 MT	
(25)	Back filling behind abutment, wing wall and return wall.				
	2	X	2.00 X 6.00 X 1.80	= 21.62 M ³	
	Trench filling				86.4
				= 21.26 M ³	
				42.82 M ³	
				64.50 M ³	
(26)	Providing hoop later				
	2	X	42 NO	= 84.00 NO	
(27)	Const. of G.S.B by providing wall footing material.				
	2	X	25.00 X 4.05 X 0.20	= 526.50 M ³	
	1	X	17.00 X 4.05 X 0.20	= 137.7 M ³	
	2	X	4 X 25.00 X 0.475 X 0.10	= 9.5 M ³	
	8	X	25.00 X 3.75 X 0.10	= 75.00 M ³	
				624.77 M ³	
Extra wide continuation of H-curve					27. = 12.50 M ³
				637.27 M ³	

1/1000
30/05/25
JE

11/11/25
30/05/25
AF

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Sch.XLV-Form No. 134					Contents of area	
Particulars	Details of actual measure					
	No.	L.	B.	D.		
		<u>Abstract of cost</u>				
(1/1)	Const. of reference & working benchmark.					
P/L		0.974 km				
		Q 5647 = 32				b = 5500 = 00
(2/2)	Const. of reference pillar.					
P/L		0.974 km				
		Q 3810 = 96				b = 3712 = 00
(3/3)	clearing & grubbing road land.					
P/L		0.68 Hect				
		Q 75573 = 34				b = 51390 = 00
(4/4)	Const. of embankment with approved material					
	1000 m land.					
P/L		376.86 m ³				97833 = 00
		Q 214 = 39				b = 185884 = 00
(5/5)	1000 m land					
P/L		376.86 m ³				
		Q 211 = 39				b = 185884 = 00
(6/6)	Const. of subgrade and earthen shoulder.					
P/L		1552.10 m ³				
		Q 263 = 14				b = 408420 = 00

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(7/8)	Const. of. in sb by providing well grouted material.				
P/7		637.2743			
		2222.25			6 = 141607 = 00
(8/29)	Excavation for structure.				
P/3		16.4143			
P/4		29.1243			
P/5		176.9043			
		222.4343			
		398.62			6 = 88665 = 00

(9/30)	Providing concrete for plain/reinforced concrete in open foundation				
	PCC grade M-15				
P/3		1.4543			
P/4		2.6543			
P/6		22.1043			
		26.2043			
		57.68 = 51			6 = 151135 = 00

(10/31)	Providing concrete for plain/reinforced concrete PCC M-20				
P/3		10.0043			

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
P/5		18.82	0.43		
P/6		112.28	0.43		
		141.10	0.43		
	Q	6289	=02		Q=887380=00
(11/32)	Plain reinforced cement concrete in superstructure				
	PCC grade - M20.				
P/5		13.04	0.43		
P/3		2.45	0.43	4.29	
P/6		79.04	0.43		
		95.53	0.43		
	Q	6589	=68		Q=629512=00

(12/33)	Plain reinforced cement concrete in superstructure				
	PCC grade - M20.				
P/6		10.34	0.43		
	Q	6782	=35		Q=70129=00
(13/34)	Providing & laying reinforced cement concrete in superstructure.				
P/7		9.36	0.43		
	Q	7729	=21		Q=72346=00

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(14/35) Supplying, fitting and placing HYSD bar.					
P/7		1.59247			
		@ 764.32 = 81			6 = 121681 = 00
(15/36) Backfilling behind abutment wing wall.					
P/7		64.50 m ³			
		@ 943 = 91			6 = 60882 = 00
(16/37) Providing wire mesh in brick masonry					
P/7		84.00 m ²			
		@ 143 = 86			6 = 12084 = 00
(17/38) 1000 mm dia					
P/5		7.50 m			
		@ 3935 = 60			6 = 29517 = 00
(18/39) 600 mm dia					
P/4		7.50 m			
		@ 1266 = 79			6 = 9501 = 00
(19/40) Laying (first class) bedding on wall compacted sand.					
P/4		2.49 m ³			
		@ 575 = 24			6 = 1432 = 00

Continuation

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