

Purni Singiyahi to Bind tola (bren)

Schedule XLV-Form No. 134

ଅମଳାପୁର ଜିଲ୍ଲା ଗାନ୍ଧୀ ଗ୍ରାମ ପଞ୍ଚାୟତ **DIVISION**

ଅମଳାପୁର ଜିଲ୍ଲା ଗାନ୍ଧୀ ଗ୍ରାମ ପଞ୍ଚାୟତ **SUB-DIVISION**
ସ୍ତମ୍ଭ (ବସ୍ତ)

MEASUREMENT BOOK

୩୫୨୧୨୬୮

Est on A/c Bill

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				Contents of area
	No.	L.	B.	D.	
NW - Const of Road and					
ep works with main					
- fence for Publi					
Singiyah to Bind					
told under mistry					
Agency - Jai man Const.					
Khanna Compound					
Rambagh.					
Muzaffarpur					

Agreement No. -

63/SB/2021-22

Date of commencement

: - 30/11/21

Date of completion

: - 29/11/22

Date of Actual Comp

: - work is under

progress -

work done

SLND(1) P2 and final up

working bench

Continuation
marked Miller.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Qty - m ³ + m ³ P-①				
	1.600 Km				
SLNO ②	Reference pillars				
	1.400 Km				
SLNO ③	clearing and grubbing road land including area				
	2 x 1600 x 3.50				
	= 11200 m ²				
	= 1.12 Ha				
SLNO ④	Excavation for road water in				
	Soil using material				
	material				
Qty	2 x 12 x 0.335 x 0.100 = 0.90				
	2 x 5 x 30 x 0.335 x 0.100 = 11.25				
2nd	Grp - 282 m				
	2 x 38 x 0.335 x 0.100 = 2.85				
	2 x 10 x 30 x 0.335 x 0.100 = 22.50				
					= 37.50 m ³
	Say 37.50 m ³				
SLNO ⑤	Cont of sub-grade and earth on shoulder with approved material including area				
Qty	60 % of ④ (above)				
	= 2050.00 m ³				
SLNO ⑥	Cont of embankment with material				

Continuation

3
Sch. XLV Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
obtained from borrow					
for the road					
on complete (10)					
for 1000 m length					
Qty - 20% of 404					
= 80.80 m ³					
Qty (g) for 1000 m length					
Qty - 30% of 404 (approx)					
= 210.00 m ³					
Qty (g) for 1000 m length					
by providing 100% of GSB					
by providing 100%					
work is done					

material set to					
Box cutting					
Pucca bottom					
Set	2	12	0.375	0.100	= 0.90
	2	5	30	0.375	0.100 = 11.25
Grp -	2	82	m		
2nd	2	10	30	0.375	0.100 = 22.50
	2	38	0.375	0.100	= 2.85
In profile connection					
	6	5	1.90	0.05	= 2.85
	2	40	2	40	0.05 = 7.20
	1	13	2	10	0.04 = 1.43
	2	9	2	30	0.04 = 1.65
	1	30	2	60	0.05 = 2.90

Continuation 54.53 m³
Limit to 53.25 m³

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
6140 (g) length of G.S. bar					
provision for wastage - 0					
material included in					
an emp job					
In kateh portion					
1st part					
		$9 \times 30 \times \frac{4.05 + 4.15 + 4.10}{2}$			
		$\times 0.200 = 220.72$			
		$1 \times 12 \times 4.10 \times 0.200 = 9.84$			
2nd part		(A) = 230.56 m ³			
		$2 \times 30 \times \frac{4.05 + 4.15}{2} \times 0.200 = 48.60$			
		$6 \times 30 \times \frac{4.05 + 4.15}{2} \times 0.200 = 147.60$			
		$2 \times 30 \times 4.15 \times 0.2102 = 52.29$			
		$4 \times 30 \times \frac{4.15 + 4.10}{2} \times 0.200 = 99.00$			
		$1 \times 30 \times 4.10 \times 0.220 = 24.60$			
		$3 \times 30 \times \frac{4.10 + 4.20 + 4.15}{3} \times 0.200 = 34.70$			
		$30 \times 4 \times \frac{4.15 + 4.05}{2} \times 0.200 = 98.40$			
		$1 \times 25 \times 4.15 \times 0.200 = 20.75$			
		(3) = 515.94 m ³			
		Sub 568.94 m ³			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
2nd 1st					
1x 30x		4.15 + 4.85			
			2	0.200	24.60
1x 30x		4.05 x 0.220			26.73
1x 30x		4.05 x 0.210			25.5
2x 30x		4.05 x 0.200			24.30
1x 15x		4.05 x 0.200			12.15
		(C)			= 113.29 m ³
		total (A+B+d)			= 909.79 m ³
		(230.56 + 565.94 + 113.29)			

					Limit to 908.82 m ³
					SLTD (C) for laying
					Spreading and compacting
					stone aggregates
					as with m Gr - III class
					In place portion
					Rigid portion
1st	1x 12x	4.00 + 3.80	2	0.075	3.51
	5x 30x	3.80 x 0.075			42.75
2nd	5x 30x	3.75 x 0.075			42.18
	6x 30x	3.75 + 3.85	2	0.075	51.30
	1x 08x	3.80 x 0.075			2.28
					Continuation = 142.02 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
S. No. (1) for laying, spreading and Compacting stone aggregate below					
Concrete					
In Katcha portion					
	2 x 30 x	3.75	0.075		$= 16.27 m^3$
	5 x 30 x	3.75	0.075		
				$\times 0.075$	$= 42.75$
	2 x 30 x	3.85	0.075		
				$\times 0.075$	$= 17.44$
	1 x 12 x	3.90	0.075		
				$\times 0.075$	$= 8.44$
				(A)	$= 80.50 m^3$
	1 x 30 x	3.75	0.075		
				$\times 0.075$	$= 8.49$
	6 x 30 x	3.80	0.075		
				$\times 0.075$	$= 51.97$
	4 x 20 x	3.90	0.075		
				$\times 0.075$	$= 34.65$
	2 x 30 x	3.80	0.075		$= 17.67$
	5 x 30 x	3.80	0.075		
				$\times 0.075$	$= 43.02$
	4 x 30 x	3.85	0.075		
				$\times 0.075$	$= 35.34$
	1 x 25 x	3.75	0.075		$= 7.03$
				(B)	$= 188.78$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1y	30x	3.75	0.75	= 33.75
	1y	15x	3.75	0.75	= 4.21
					= 37.96
Total	(A+B+C)				= 316.64 m ³
					Ampl to 318.16 m ³
SL No (12) Construction					
of p.c. pavement					
th. as per design					
over a prepared					
Sub-base in lump					
as sample 123					
from -					
1st -	1x	30x	3.75+3.80		
				2	
				70.160	= 18.120 m ³
	2x	30x	3.80+3.75		
				2	
				70.160	= 36.24
	2x	30x	3.75x0.60		= 36.00
				(A)	= 90.36 m ³
2nd.	1x	30x	3.75x0.60		= 18.00
	4x	30x	3.75+3.80		
				2	
				70.160	= 32.40
	3x	30x	3.80x0.60		= 54.72
	3x	30x	3.80+3.75		
				2	
				70.160	= 36.72
					2181.92 m ³

Continuation

$$\text{Total} = A + B = 272.28 \text{ m}^3$$

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SL No (13)	Pr dead pipe				
	of 500 mm dia				
	con-p.				
	Qty - 15 m				
SL No (14)	Pr R.C.C. Boundary				
	pillars accy				
	Qty - 20 Nos				
SL No (15)	Pr and fix				
	of typical masonry				
	of formwork				
	board accy				
	Qty - 2 Nos				
SL No (16)	Cutout (H/D) - 2 Nos				
	B/w in excavation				
	for found of structure				
	accy				
	Qty - 2 x 27	6.45 x 1.40	1.50		54.18
	Below 27	1 x 4.850 x 1.530	0.365		5.42
	Qty				59.60 m ³
SL No (17)	Pr mis p.c.e				
	(1.2 x 1.5) as length				
	concrete accy				
	Qty - 2 x 27	4.5 x 1.90	0.15		5.42
	Below 27	1 x 4.85 x 1.530	0.25		3.77
	Qty - 270.250 x	0.785 x (1.23)			9.19
		x 5.446			
Continuation					(-) 3.27
Net Qty					5.92 m ³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
S.L. No. (18) Pr. conc. for					
P.C.C./R.C.C. for					
work P.C.C. up					
1/4 - 2	2 x 6.15 x	0.825		$\times 2.58 = 52.36$	
Body 2 x 2 x 6.15 x		0.400		$\times 1.20 = 11.81$	
				Σ	64.17
Less for					
2 x 2 x 0.3857 x				$(1.22)^2 \times$	
				0.622 =	2.96
				Σ	61.21 m ²
S.L. No. (19) Pr. and					
R.C.C. for					
1/4 - 2					
Body 2 x 2 x 2.50 x 3					
				Σ	15 m
1					
8m					
2/2					
54					

Abstract of end

10

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SLNO (1/1) for road fixing					
work up 3000					
mark pillars					
Qty - wire T m B P - (2)					
— 1.60 Km					
@ ₹ 1015 = 40/Km					₹ 6475 = 0
SLNO (2/2) Retention					
pillars along					
Qty - wire T m B P - (2)					
— 1.60 Km					
@ ₹ 1815 = 98/Km					₹ 2954 = 00
SLNO (3/3) clearing and					
grubbing road land					
including all comp					
Qty - wire T m B P - (2)					
— 1.12 Hq					
@ ₹ 52970 = 35/Hq					₹ 59327 = 00
SLNO (4/4) Excavation					
for road work in					
soft soil - manual					
work all comp					
Qty - wire T m B P - (2)					
— 37.10 m ³					
@ ₹ 93 = 57/m ³					₹ 2834 = 0

11
Sch. XLV-Form No. 134

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
SL NO (5/4) Const of sub-grade and earth on shoulder with of raised material including gravel				
Qty - vol in m ³ P- (3)				
- 2050.00 m ³				
@ 2191 = 75/m ³ —				293108
SL NO (6/5) Const of embankment with material obtained from borrow pits including fall up to lead 1000 m				
Qty - vol in m ³ P- (3)				
- 8000 m ³				
@ 2190 = 57/m ³ —				152460
SL NO (6/6) for 100 m of embankment				
Qty - vol in m ³ P- (3)				
- 210.00 m ³				
@ 2152 = 15/m ³ —				319520
SL NO (8/9) Const of G.S.B by providing well graded material spreader in upper layer				
Qty - vol in m ³ P- (3)				
- 53.25 m ³				
@ 22652 = 65/m ³ —				1412500

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SL NO (7/8) Const of G-30					
by providing bed					
spread of 100 mm					
spreading in uniform					
layer all comp					
Qty - Wet TM B P-5					
- 908.82 m ³					
@ 27657565/m ³ - ₹ 2910781.00					
SL NO (10/14) Pr layer					
spreading and comp					
stone aggregates					
of 100 mm Gr - III all comp					
Qty - Wet TM B P-5					
- 142.02 m ³					
@ 23228.79/m ³ - ₹ 458496.00					
SL NO (11/9) Pr layer					
spreading and comp					
stone aggregates					
of 100 mm Gr - III all comp					
Qty - Wet TM B P-7					
- 315.58 m ³					
@ 23228.79/m ³ - ₹ 1018754.00					
SL NO (12/15) Const of					
unreinforced p.c.c					
base ment th. or bar					
delays over & proposed					
Sub-base all comp					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty - W.P. 7 m 3 p (1)					
- 272.28 m ³					
① 77260 = 76/m ³ — 71736960 = 00					
SL No (13/5) P. duct pile					
of 300 mm dia pile					
comp.					
Qty - W.P. 7 m 3 p (8)					
- 45 m					
② 772 = 96/m — 739283-					
SL No (14/18) P. R. e. e					
Boundary pillars					
all up					
Qty - W.P. 7 m 3 p (8)					
- 30 nos					
③ 7518 = 25/m — 715548-					
SL No (15/27) P. and first					
of typical masonry					
2 m forming brick					
board all up					
Qty - W.P. 7 m 3 p (8)					
- 2 m 3					
④ 77576 = 4/m — 718952-					
SL No (16/27) E/W in					
excavation for form					
of structure all up.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty - wire T.M.B P- (2)					
		59.26 m ²			
@ 2271 = 09/m ²					716634 =
SL NO (17/28) P. & M.S. P.C.C.					
U = 2.525 of length					
Course area					
Qty - wire T.M.B P- (8)					
		5.92 m ²			
@ 75928 = 24/m ²					735095 =
SL NO (18/29) P. & M.S. P.C.C.					
P.C.C. / P.C.C. is					
of area					
Qty - wire T.M.B P- (3)					
		61.24 m ²			
@ 76480 = 18/m ²					7396652 =
SL NO (19/30) P. & M.S. P.C.C.					
P.C.C. M.S. H/P.C.C.					
for culvert area					
Qty - wire T.M.B P- (7)					
		25 m			
@ 72536 = 14/m					738642 =
					77078894 =
Add 3.4 / 1000					770789 =
Add 12.4 / 1000					7849467 =
					277999150 =

Continuation

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