

SC
M.H. G. 51

Naxwala Kalan Path to

Schedule XIV-Form No. 134

Faggu Bigha 44 1st 1/2

Survey No. 81102-2-2014-2015 No. - 61376-1211

DIVISION

Sub-Division No. - 2447

SUB-DIVISION

MEASUREMENT BOOK

577

21445 Gopal K. Singh

Sch. XLV-Form No. 134

କନ୍ୟାପାଳିକା ଅଫିସ - ପୁରୀ DIVISION

ସହାୟକ ଅଫିସ - ଶ୍ରୀରାମ SUB-DIVISION

Measurement Book

577

Name of officer _____

Date of first entry _____

Date of last entry _____

III on A/C Bill

12.

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work: Construction of					
five year maintenance of road					
from Nardanda water path to					
Fagu Bista					
Agency: Sri Gopal Kumar Singh					
Date of Commencement: 19-12-2019					
Date of Completion: 13-12-2020					
Agreement No: 55 SBD / 2019-20					
Record Measurement					
1/ Const. of curb GZ T					
	2x20.00x	3.80x	0.10		15.20 m ²
Profile Correction	2x20.00x	1.50x	0.10		6.00 m ²
	1x1.00x	0.85x	0.10		0.08 m ²
Profile Correction	7x2.50x	1.70x	0.10		2.975 m ²
	11x1.80x	1.30x	0.10		2.574 m ²
	13x1.40x	1.10x	0.10		2.002 m ²
	16x1.90x	1.30x	0.10		3.952 m ²
	8x2.80x	1.50x	0.10		3.36 m ²
	18x2.70x	1.90x	0.10		9.239 m ²
	14x3.00x	2.50x	0.10		10.50 m ²
	5x4.50x	2.20x	0.10		4.95 m ²
	7x3.50x	2.10x	0.10		5.145 m ²
					60.57 m ²
Qty. vide item no 1/ P91					488.99 m ²
					549.51 m ²

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
C/D work	1000 m	dia 178			
Upto date measurement					
2/23 F/L direct calculation for foundation					
	2x2x	6.95x	1.90x	1.50	54.18 m ²
	1x1x	1.9x	1.90x	1.50	25.592 m ²
	3x1x	4.85x	1.53x	0.35	8.125 m ²
					87.904 m ²
3/25 P & L P/L m/s grade					
in leveling course					
	2x2x	6.95x	1.90x	0.15	5.418 m ²
	1x1x	1.90x	1.90x	0.15	2.56 m ²
	2x1x	4.9x	1.53x	0.25	5.658 m ²
					13.636 m ²
4/27 P/L R/L M/S 1000 m					
dia MP	3x3x	1.50			22.50 m ²
5/26 P/L P/L M/L in Substation					
	2x2x	6.19x	$\frac{1.95+0.99}{2}$	x3.8	64.538 m ²
	1x1x	1.00x	$\frac{1.95+0.99}{2}$	x3.8	31.482 m ²
	2x2x	6.15x	0.90x	0.60	5.904 m ²
	1x1x	1.00x	0.90x	0.60	2.88 m ²
leg for MP	2x2x	0.785x	1.27x	0.42	2.256 m ²
					101.848 m ²
5/ P/L WBM for T/I					
Upto date measurement					
	4x30.00x	3.75x	0.075		33.75 m ²
	5x30.00x	3.75x	0.075		42.187 m ²

Continuation

Sch.XLV-Form No. 134

14.

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
	1	30.00	3.60	$30 \times 3.60 \times 0.075 = 8.10 \text{ m}^2$
	1	16.00	3.30	$16 \times 3.30 \times 0.075 = 3.96 \text{ m}^2$
	3	30.00	3.35	$3 \times 30 \times 3.35 \times 0.075 = 25.3125 \text{ m}^2$
	1	10.00	3.50	$10 \times 3.50 \times 0.075 = 2.925 \text{ m}^2$
	3	30.00	3.75	$3 \times 30 \times 3.75 \times 0.075 = 25.3125 \text{ m}^2$
	1	18.00	3.80	$18 \times 3.80 \times 0.075 = 5.13 \text{ m}^2$
	4	30.00	3.60	$4 \times 30 \times 3.60 \times 0.075 = 32.40 \text{ m}^2$
	5	30.00	3.80	$5 \times 30 \times 3.80 \times 0.075 = 42.1875 \text{ m}^2$
	3	30.00	3.70	$3 \times 30 \times 3.70 \times 0.075 = 24.975 \text{ m}^2$
	1	36.00	2.50	$36 \times 2.50 \times 0.075 = 8.1375 \text{ m}^2$
	5	30.00	3.25	$5 \times 30 \times 3.25 \times 0.075 = 42.1875 \text{ m}^2$
	4	30.00	3.60	$4 \times 30 \times 3.60 \times 0.075 = 32.40 \text{ m}^2$
	2	30.00	3.30	$2 \times 30 \times 3.30 \times 0.075 = 14.85 \text{ m}^2$
	1	15.00	3.60	$15 \times 3.60 \times 0.075 = 4.05 \text{ m}^2$
	1	15.00	$(3.70 + 3.50) / 2$	$15 \times 3.60 \times 0.075 = 4.05 \text{ m}^2$
	1	57.00	3.75	$57 \times 3.75 \times 0.075 = 16.3125 \text{ m}^2$
				366.59375
6/ Cost of working and joint				370.134
CI pavement				
	4	30.00	3.75	$4 \times 30 \times 3.75 \times 0.16 = 72.00 \text{ m}^2$
	5	30.00	3.75	$5 \times 30 \times 3.75 \times 0.16 = 90.00 \text{ m}^2$
	1	30.00	3.60	$1 \times 30 \times 3.60 \times 0.15 = 16.20 \text{ m}^2$
	1	16.00	3.30	$1 \times 16 \times 3.30 \times 0.14 = 7.392 \text{ m}^2$
	3	30.00	3.75	$3 \times 30 \times 3.75 \times 0.16 = 54.00 \text{ m}^2$
	1	10.00	3.60	$1 \times 10 \times 3.60 \times 0.16 = 5.76 \text{ m}^2$
	3	30.00	3.75	$3 \times 30 \times 3.75 \times 0.16 = 54.00 \text{ m}^2$
	1	18.00	3.80	$1 \times 18 \times 3.80 \times 0.16 = 10.992 \text{ m}^2$

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	T.	
		1X30.00X3.75	X0.16		= 18.005m ²
		1X27.00X3.75	X0.16		= 13.986m ²
other width	2X10.00X0.50	X0.16			= 1.60
					<u>341.637m²</u>
					346.342m ²
7/ PAV Prime Coat					
		1X15.00X(15.137)			= 61.50m ²
		1X15.00X3.60			= 59.00m ²
		2X30.00X3.30			= 198.00m ²
		4X36.00X3.50			= 420.00m ²
		5X36.00X3.60			= 540.00m ²
		1X31.00X3.50			= 108.50m ²
		3X80.00X3.30			= 297.00m ²
		5X36.00X3.50			= 525.00m ²
		4X30.00X3.60			= 432.00m ²
					<u>2636.00m²</u>
8/ PAV Tack Coat					
at g. side of item no. (7)					= 2636.00m ²
9/ P4L 20mm thick MSS					
at g. side of item no. (8)					= 2636.00m ²
9/ P4F RCC 1:1:6 grade					
(a) ordinary concrete					= 2m ²
(b) 20mm stone					= 6m ²
10/ P4F Retroreflective Traffic Sign					
(a) 600mm side equilateral triangle					= 8m ²
(b) 600mm X 450mm square					= 6m ²

Continuation

21-06-22
S.E.

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1/1 Setting out pillars					
(a) Benchmark pillar					
Qty. vide item no 1(a) P(1)					
				= 2.108	
@ Rs 1191.09				= Rs	8382.00
(b) Reference pillar					
Qty. vide item no 1(b) P(1)					
				= 6.108	
@ Rs 1904.11				= Rs	11925.00
2/2 Clearing and grubbing ground					
Qty. vide item no. (2) P(1)					
				= 1.05 Ha	
@ Rs 49739.97				= Rs	52226.00
3/16 P.A.P. M.A.G.I.S. C&P Area					
Qty. vide item no. (3) P(1)					
				= 2.108	
@ Rs 9977.85				= Rs	19956.00
4/23 F/W in excavation for foundation					
Qty. vide item no. (4) P(1)					
				= 87.907 m ³	
@ Rs 285.71				= Rs	25115.00
5/20 P.A.L. P.C.C. in labelling					
Qty. vide item no. (5) P(1)					
				= 13.630 m ³	
@ Rs 5255.21				= Rs	71660.00
6/25 P.A.L. P.C.C. in C&P Area					
Qty. vide item no. (6) P(1)					
				= 101.898 m ³	
@ Rs 6208.47				= Rs	632320.00

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7/26 P/L 100mm dia N/2 H.P					
Qty. wide	item no (9)		P(13)		
				= 22.50m	
@ Rs 9112.39				= Rs	92528.00
8/3 Box cutting					
Qty. wide	item no (8)		P(2)		
				= 18.95m	
@ Rs 82.01				= Rs	8899.00
9/4 Cont. of embankment with material obtained from Borculu					
Qty. wide	item no (8)		P(2)		
				= 65.07m	
@ Rs 27.98				= Rs	1821.00
10/5 Cont. of embankment with lead up to 100m					
Qty. wide	item no (10)		P(9)		
				= 2171.09m	
@ Rs 132.56				= Rs	87793.20
11/6 Cont. of embankment with lead up to 100m					
Qty. wide	item no (11)		P(9)		
				= 1807.36m	
@ Rs 187.23				= Rs	338392.00
12/ Cont. of Gullb GOR I					
Qty. wide	item no (12)		P(4/12)		
				= 599.51m	
@ Rs 2240.44				= Rs	1235540.00

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
13/9 P4L LBM Cor III					
at 1/2 vide item no (5) P (19)					
					= 360.6852 422
@ Rs 3385.77					= Rs 1221196.00
19/ Cont. of unreinforced joint					
CC pavement					
at 1/2 vide item no (6) P (15)					
					= 291.6374 348
@ Rs 6936.52					= Rs 2198953.00
15/ P 4R Prime Cont					
at 1/2 vide item no (7) P (15)					
					= 2636.0022 3245
@ Rs 54.58					= Rs 193872.00
16/ P 8R Tack Cont					
at 1/2 vide item no (8) P (15)					
					= 2636.0022
@ Rs 18.32					= Rs 48291.00
17/ P 4L 20mm thick M.SS					
at 1/2 vide item no (9) P (15)					
					= 2636.0022
@ Rs 226.38					= Rs 596237.00
18/ P 4F R11 in genda					
@ 1 m Stone					
at 1/2 vide item no (10) P (15)					
					= 24.8
@ Rs 2200.84					= Rs 4901.00
(b) 200mm Stone					

Continuation

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
11/ PAL 300m dia. R.C.C. duct 11/10					
		9.79	2.50		= 90.00 m ²
12/ PAL L.B.M. Gutter					
		5.30	0.04	3.75	= 42.187 m ²
		2.10	0.04	3.70	= 5.55 m ²
area widening		2.10	0.50	0.075	= 0.75 m ²
atg. width item no (5) P(19)					= 370.139 m ²
					418.621 m ²
13/ P&A 99m long with 155.0					
		4.30	0.04	3.75	= 450.00 m ²
		1.30	0.04	3.65	= 109.50 m ²
		1.20	0.04	3.70	= 79.00 m ²
area widening		2.10	0.50		= 10.00 m ²
atg. width item no (2) P(25)					= 2636.00 m ²
					3279.50 m ²
14/ P&P Track Gutter					
atg. same as item (13) P(20)					= 3279.50 m ²
15/ P&L 20m length 145.5					
atg. same as item (4) P(20)					= 3279.50 m ²
16/ Construction of earthen shoulder					
		2.13	30.00	1.388	0.20 = 216.528 m ²
		2.13	0.04	1.388	0.20 = 0.555 m ²
		2.13	0.04	1.388	0.20 = 133.298 m ²
		2.13	30.00	1.20	0.20 = 13.20 m ²
		2.13	0.04	1.388	0.20 = 69.197 m ²
		2.13	0.04	1.388	0.20 = 0.172 m ²
		2.13	30.00	1.182	0.075 = 42.552 m ²

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2x3x	30.00x	1.15x	0.075x	15.515 m ²
	2x12x	30.00x	0.375x	0.175x	47.15 m ²
	2x1x	13.00x	0.375x	0.175x	1.706 m ²
	2x6x	30.00x	0.375x	0.175x	236.25 m ²
	2x1x	18.00x	0.375x	0.175x	2.362 m ²
	2x6x	30.00x	1.388x	0.10x	99.936 m ²
	2x1x	20.00x	1.00x	0.20x	8.00 m ²
	2x6x	30.00x	1.182x	0.075x	31.914 m ²
	2x1x	20.00x	1.00x	0.075x	3.00 m ²
					736.363 m ²
17/ Road Marking on 375mm					
	2x350.00x	0.10x			70.00 m ²
	2x500.00x	0.10x			100.00 m ²
	2x20.00x	0.10x			4.00 m ²
					80.00 m ²
18/ Road Marking on CC Road					
	2x373.00x	0.10x			74.60 m ²
	2x228.00x	0.10x			45.60 m ²
					120.40 m ²
19/ Painting of post					
	2x2x	6.15x	0.90x		9.89 m ²
	2x4x	6.15x	0.60x		29.52 m ²
	2x4x	0.40x	0.60x		1.92 m ²
					41.28 m ²
20/ Const. of embankment with motor					
	from 60.776 m	1.15 m			
Ch	C/A (1/4) MIN. 1/4	Dist (m)			
00	5.314	-	-	-	-

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
50	4.928	5.152	50	251.850	
100	6.330	5.666	50	283.275	
150	7.146	6.790	50	193.175	
200	7.961	7.604	50	380.175	
250	6.906	7.134	50	371.675	
300	9.426	8.166	50	128.300	
350	3.33	6.378	50	38.900	
400	3.61	3.470	50	173.500	
450	2.016	2.813	50	140.650	
500	3.83	2.913	50	176.950	
550	3.625	3.718	50	186.375	
600	8.419	6.037	50	301.850	
650	9.211	8.830	50	441.500	
700	8.106	8.659	50	432.925	
750	10.452	9.273	50	463.950	
800	8.117	9.335	50	166.725	
850	8.119	8.168	50	408.400	
900	6.392	7.256	50	362.775	
950	7.586	6.989	50	379.450	
1000	7.346	7.466	50	323.300	
1050	5.281	6.644	50	333.175	
1100	2.45	4.26	50	210.725	
1150	2.21	2.330	50	116.500	
1200	3.711	2.966	50	148.275	
1250	3.413	3.567	50	178.350	
1300	2.906	3.160	50	157.975	
1350	3.135	3.021	50	151.025	
1400	4.246	3.691	50	184.525	

Continuation

Continuation

Abstract Cost

24.

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1/1 Selling out pillar					
(a) Round Marking					
at 1/2 wide item 1(a) P(2)					
				= 2.00	
@ M 9151.00				= Rs	8382.00
(b) Reference pillar					
at 1/2 wide item 1(b) P(2)					
				= 6.00	
1909/11					
@ M 95739.97				= Rs	11925.00
4/ Clearing and grubbing					
at 1/2 wide item no 4/ P(2)					
				1.05 Hk	
@ M 99719.97				= Rs	52226.00
3/ PAF Log of AM 612					
at 1/2 wide item 3/ P(2)				= 2.00	
at 1/2 wide item 3/ P(2)				= 1.00	
				3.00	
@ M 99778.1				= Rs	29933.00
4/ F/L excavation for foundation					
at 1/2 wide item 4/ P(1)					
				= 87.909 Hk	
@ M 285.71				= Rs	25115.00
5/4 PAL P/C M ₁ in building work					
at 1/2 wide item 5/ P(1)					
				= 13.636 Hk	
@ M 5256.21				= Rs	71660.00
6/15 PAL P/C M ₁ in building work					
at 1/2 wide item 6/ P(1)					

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$= 101.875 \text{ m}^2$
① M 6208.97					$= 14682.32000$
7/26 p.d. 1000m in dir H/K					
at 2 wide then m. P(13)					
					$= 22.50 \text{ m}$
② M 9112.39					$= 15925.58 \text{ m}$
8/3 Box cutting					
at 2 wide then m. P(12)					
					$= 108.75 \text{ m}^2$
③ M 82.01					$= 1588.9700$
9/4 Cont. of embankment with material					
obtained from Box cutting.					
at 2 wide then m. P(13) P(12)					
					$= 65.07 \text{ m}^2$
④ M 27.98					$= 151821.00$
10/ Cont. of embankment from horizontal					
for lead up to 100m					
at 2 wide then m. 20 P(13)					
					$= 2769.92 \text{ m}^2$
⑤ M 187.23					$= 15518612.00$
11/ Cont. of embankment					
for lead 100m					
at 2 wide then m. P(13)					
					$= 3396.00 \text{ m}^2$
⑥ M 132.56					$= 159450253.00$
14/ Cont. of Gully from 7					
at 2 wide then m. P(12)					$= 575.51 \text{ m}^2$
⑦ M 2298.97					$= 151235570.00$

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
U/9 P.A.L. - 3/1 Coat III					
at 4. vide item 11/1 P(20)					
				= 98.6212	
@ Rs 3385.72					= Rs 17387.00
19/ Const. & unreinforced joint					
CC pavement					
at 4. vide item 16/1 P(15)					
				= 396.3621	
@ Rs 6236.52					= Rs 2229365.00
15/ P.A.P. Prime Coat					
at 4. vide item 16/1 P(15)					
				= 3279.5012	
@ Rs 54.58					= Rs 178935.00
16/ P.A.P. Tack Coat					
at 4. vide item 19/1 P(20)					
				= 3279.5012	
@ Rs 18.32					= Rs 60080.00
17/ P.A.L. 20mm thick M.S.S.					
at 4. vide item 15/1 P(20)					
				= 3279.5012	
@ Rs 226.38					= Rs 742913.00
18/ P.A.L. RCC 140mm					
(a) 100 stone at 4. vide					
at 4. vide item 9/1 P(15)					
				= 2.14	
@ Rs 120.39					= Rs 9901.00
(b) 200 stone					

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
24/ Wide side item no 7(b) P(13)				
			7.000	
@N 639.98				= Rs 3839.00
19/ Traffic sign				
(a) 600m Side Triangle				
24/ wide side item no 10(a) P(15)				
			8.000	
@N 407.18				= Rs 32137.00
(b) 600 x 750m Rectangular				
24/ wide side item no 10(b) P(15)				
			6.000	
@N 5307.24				= Rs 31893.00
20/ Cost of earth shoulder				
24/ wide side item no 16/ P(21)				
			736.363m	
@N 189.11				= Rs 139253.00
21/ Road marking on BT surface				
24/ wide side item no 18/ P(21)				
			180.000	
@N 850.93				= Rs 153167.00
21/ Road marking on (pavement)				
24/ wide side item no 18/ P(21)				
			120.900	
@N 953.99				= Rs 114860.00
23/ Painting on pavement				
24/ wide side item no 19/ P(21)				
			91.18m ²	
			120.900	

Continuation
