

74. B. NO - 3312

$$\frac{24000000}{100000000} = 0.24$$

Schedule XLY Form No. 2964/2964

313BD/2020-21

DIVISION

ॐ नमो भगवते वासुदेवाय

SUB-DIVISION

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27/27/27-452/14811-4610371212

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Measurement Book

17-B-V-D-3312

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.	
N/W - Mahuli panchayat sadak to					
Rajput Tola (Kam Lohar Tola)					
Hota kare Afzal Nohar Tek.					
Length:- 0.560 km					
Agency:- Sri Ravindra Kr. Singh					
Village - Barhadiya Tola					
P.O. & AS - Mahmurh, Saran					
Agreement No:- 31SDP/2020-21					
Date of Start:- 25.08.2020					
Date of Completion:- 24.08.2021					
Date of entry:- 12/05/2021					

WORK DONE					
① setting out of Benchmark pillar					
Bty					01 No.
② setting of Reference pillar					
Bty					02 No.
③ clearing and grubbing Row					
Land - - - E/I					
2x5x4x25.00x1.75 (sq) -					1750.00 sq
2x2x30.00x1.75 (sq) -					210.00 "
					1960.00 sq
				Say	0.196 Hec
④ Box-cutting of existing Row					
- - - E/I					
2x4x4x25.00x0.525x0.100 -					42.00 sqm
2x2x30.00x0.525x0.100 -					6.30 "
2x4x25.00x0.375x0.100 -					7.50 "
Continuation					55.80 sqm

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑤ Earthwork in excavation --- E/F					
H.W - 2x 4.15x 1.40x 1.47					17.08 cu
Bedding - 1x 5.78x 1.07x 0.250					1.55 "
					18.63 cu
⑥ Laying (first class) Bedding on well					
Compacted --- E/F					
1x 5.78x 1.07x 0.55					3.400 cu
Deduct for pipe - 1x 5.78x 0.22					1.270 "
					2.13 cu
⑦ Plv Dec Pls in open foundation					
H.W - 2x 3.85x 1.40x 0.150					1.62 cu
⑧ Head wall in brick masonry (1:4) --- E/F					
H.W - 2x 3.85x 0.825x 2.005					12.74 cu
Parapet - 2x 3.85x 0.600x 0.400					1.85 "
Less for pipe - 2x 0.465x 0.61					0.57 "
					14.02 cu
⑨ Plv and laying pipe No-3 600mm					
3x 2.50					7.50 M
⑩ plastering with cm (1:4)					
Parapet sides - 4x 3.85x 1.00					15.40 sqm
Parapet face - 4x 0.400x 0.500					0.80 "
Parapet top - 2x 3.85x 0.400					3.08 "
H.W. sides - 2x 3.85x 0.600					4.62 "
					23.90 sqm
⑪ cost of L.S.M by plv well					
graded Material --- E/F					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Profile connection:-</u>					
1x 1.20x 0.80x 0.150					0.14 Cu
1x 1.70x 0.60x 0.150					0.15 "
3x 1.90x 1.00x 0.125					0.71 "
1x 2.50x 0.90x 0.150					0.34 "
1x 3.00x 1.50x 0.100					0.45 "
1x 0.90x 0.60x 0.150					0.08 "
3x 1.50x 0.90x 0.150					0.61 "
1x 1.80x 0.90x 0.125					0.20 "
1x 2.30x 1.10x 0.150					0.38 "
5x 2.10x 1.10x 0.125					2.02 "
9x 1.50x 0.70x 0.100					0.95 "
7x 1.20x 0.75x 0.125					0.77 "
11x 1.20x 0.90x 0.150					1.78 "
1x 1.80x 0.90x 0.125					0.20 "
<u>G/SB widening</u>					
2x 4x 25.00x 0.525x 0.100					42.00 cum
2x 2x 30.00x 0.54x 0.100					6.30 "
2x 4x 25.00x 0.375x 0.100					7.50 "
<u>G/SB in full width</u>					
2x 4x 25.00x 4.05x 0.100					81.00 "
2x 4x 25.00x 4.05x 0.100					81.00 "
2x 20.00x 4.05x 0.100					16.20 "
					242.88
(12) painting two coats - Entirely					
Primer coat - CP					
Same qty as					
per item (10) Page - 2					

Qty 23.90 cu

Continuation

3m
12/05/21

12/5/21

2nd record entry and final Bill

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Date of entry - 12.06.2017				
① Const. of C/SB by PIV well					
graded Material -- E/I					
Add for curve					
cm chainage					
$1 \times 15.00 \times \frac{(7.30 + 3.75)}{2} \times 0.10$					2.66 cm
End point -					
$1 \times 15.00 \times \frac{(4.05 + 6.70)}{2} \times 0.200$					4.28 "
					6.94 cm
② PIV, Laying, spreading and					
compacting stone aggregates -- E/I					
$1 \times 15.00 \times \frac{(7.20 + 3.75)}{2} \times 0.075$					6.22 cm
$2 \times 4 \times 25.00 \times 3.75 \times 0.075$					56.25 "
$3 \times 4 \times 25.00 \times 3.75 \times 0.075$					84.38 "
③ $1 \times 25.00 \times \frac{(3.75 + 6.70)}{2} \times 0.075$					9.98 "
					156.83 cm
④ Const. of Un-reinforced concrete					
jointed at expansion -- E/I					
$1 \times 15.00 \times \frac{(7.30 + 3.75)}{2} \times 0.10$					12.12 cm
$2 \times 25.00 \times 3.75 \times 0.10$					45.00 "
⑤ $1 \times 10.00 \times 3.75 \times 0.10$					6.00 "
					63.12 cm
				Limit	60.60 cm
⑥ PIV and applying primer					
Coat with SS-1 -- E/I					
(20m length pcc on over pms)					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2x4x25.00 x 3.75					750.00 sq
2x4x25.00 x 3.75					750.00
④ 1x35.00 x 3.75					131.25
1x25.00 x 3.75 + 6.90					132.13 "
			2		1764.38 sq
				Unit	1759.50 sqm
⑤ Plv and applying tack coat					
With RS-1				Q/s	
				Same Qty as	
⑥ per item ④				Qty - 5	
				Qty	1759.50 sqm
⑥ Plv, laying and rolling of close-graded premix					
surfacing				Q/s	
⑦				Same Qty as	
per item ④				Qty - 5	
				Qty	1759.50 sqm
⑦ Laying brick setting layer on prepared sub grade					
2x4x25.00 x 0.250					50.00 sqm
⑧ km stone					
				Qty	02 No.
⑨ 200m stone					
				Qty	02 No.
⑩ 600mm equilateral Triangle					
				Qty	04 No.
⑪ 600mm circular					
				Qty	02 No.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) 600 mm x 450 mm rectangular					
	Bty				02 No.
(13) Boundary pillar					
	Bty				06 No.
(14) Road Marking with Red applied thermoplastic compound					
2x4x4x25.00 x 0.100					80.00 sqm
2x3x20.00 x 0.100					12.00 "
					92.00 sqm
(15) Road Marking with Red applied thermoplastic compound					
2x4x25.00 x 0.100					20.00 sqm
(16) Piling and fixing of special					

MMWS informant sign board

Bty

03 No.

Earthwork Dig sheet

SL. No.	Chain age	Area	Mean Area	Dist sqm	Volume
1	0	1.433			
2	50	1.767	1.600	50	80.000
3	100	2.216	1.792	50	99.530
4	150	1.809	2.013	50	100.625
5	200	1.425	1.692	50	82.100
6	250	1.583	1.529	50	76.450
7	300	1.575	1.579	50	78.950
8	350	1.332	1.454	50	72.675

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9.	400	1.346	1.379	50	66.950
10.	450	2.967	2.127	50	106.325
11.	500	4.512	3.772	50	185.475
12.	550	4.725	4.619	50	277.110
13	560			40	1226.235
Total E/W Right of Way					1226.235
Crust -					
Crust C/A (-)					249.82
W.A.M. 673 - (-)					156.83
C.C. pavement (-)					60.60
Total E/W Right of Way					758.985 a
(17) Const. of Embankment -- E/W					
Lead upto 100m					

	Qty	138.570 a
(18) Const. of Embankment -- E/W		
Lead upto 100m		
	Qty	323.170 a
(19) Const. of sub grade		
and bank shoulder		
	Qty	297.285 a
(20) Placing and fixing of typical		
MAINT BRICKS (NDA) (interlocking)		
8mm. bed		03 Nos.
Work has been		
Completed as per estimate,		
specification and site condition.		
Prepared	Checked	Ticked then checked
12/06/21	12/06/21	12/06/21
20	AC	20
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 setting out of benchmark					
01 No. vide MD page-1					
@ Rs 3987 = 79/each					Rs 3988 = 00
② setting out of Reference pillar					
02 No. vide MD page-1					
@ Rs 1844 = 14/each					Rs 3688 = 00
③ clearing and grubbing Road					
Land - - - - - E/I					
0.196 Hec vide MD p-1					
@ Rs 49174 = 86/Hec					Rs 9638 = 00
④ Box-cutting of existing					
Road - - - - - E/I					
55.80 cum vide MD p-1					

	81 = 994				
@ Rs 4575 = 27/cum					Rs 4575 = 00
⑤ Const. of Embankment - - E/I					
Lead up to 1000 M					
138.510 cum vide MD p-7					
@ Rs 187 = 189/cum					Rs 25928 = 04
⑥ Const. of Embankment - - E/I					
Lead up to 100 M					
323.190 cum vide MD p-7					
@ Rs 142 = 308/cum					Rs 45993 = 04
⑦ Const. of subgrade - - E/I					
297.285 cum vide MD p-7					
@ Rs 189 = 069/cum					Rs 56207 = 00
⑧ Const. of C/S by p/v well					
graded Material - - - E/I					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
242.88 Cum	wide MB	P-3			
6.94 Cum	wide MB	P-4			
249.82 Cum					
@ RS 3039 = 704/Cum					Rs 759379 = 00
(9) WBM Gr-3 - p/r Laying, spreading and compacting stone aggregates					
156.83 Cum	wide MB	P-4			
@ RS 4079 = 181/Cum					Rs 639738 = 00
(10) p/r and applying primer coat with SS-1 - - - - - E/I					
1759.500 sqm	wide MB	P-5			
@ RS 492934/sqm					Rs 87859 = 00
(11) p/r and applying tack coat with RS-1 - - - - - E/I					
1759.500 sqm	wide MB	P-5			
@ RS 16 = 930/sqm					Rs 29788 = 00
(12) p/r, laying and rolling of close graded premix surfacing - 21					
1759.500 sqm	wide MB	P-5			
@ RS 255 = 154/sqm					Rs 448943 = 00
(13) Const. of un-reinforced, dowel joint & expansion - - - - - E/I					
60.60 cum	wide MB	P-4			
@ RS 7925 = 151/cum					Rs 480288 = 00
(14) Hand shouldering - laying and setting layer on prepared sub-grade - - - - - E/I					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
50.00 STM wide MB page-5					
@Rs 477 = 908 / STM —					Rs 238952.00
(15) Kilo metre stone					
02 No. wide MB page-5					
@Rs 2629 = 818 / each —					Rs 5260.00
(16) 200mm stone					
02 No. wide MB p-5					
@Rs 678 = 124 / each —					Rs 1356.00
(17/24) Earthwork in excavation —					
18.63 Cum wide MB p-2					
@Rs 258 = 893 / Cum —					Rs 4823.00
(18/25) Type B (first class) Bedding Laying on well compacted					
2.13 Cum wide MB p-2					
@Rs 458 = 24 / Cum —					Rs 976.00
(19/26) p/v p/cc Mr in open foundation					
1.62 Cum wide MB p-2					
@Rs 6137 = 144 / Cum —					Rs 9942.00
(20/27) Head Wall in Brick Masonry					
14.02 Cum wide MB p-2					80328.00
@Rs 5729 = 528 / Cum —					Rs 160656.00
(21/28) p/v and Laying pipe No. 3 600 mm dia					
7.50 M wide MB page-2					23833.00
@Rs 3147 = 681 / M —					Rs 47665.00
(22/29) plastering with CM (1:1)					
23.90 STM wide MB p-2					
@Rs 165 = 061 / STM —					Rs 3945.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(23/38) painting two coats on concrete surface					
23.90 sqm vide MD p-3					
@ Rs 133 = 273/sqm					Rs 3185 = w
(24/18) 600mm equilateral triangle					
04 Nos vide MD page-5					
@ Rs 4570 = 703/each					Rs 18283 = w
(25/19) 600mm circular					
02 Nos. vide MD p-5					
@ Rs 5823 = 190/each					Rs 11646 = w
(26/20) 600mm x 450mm rectangular					
02 Nos. vide MD page-6					
@ Rs 5694 = 983/each					Rs 11370 = w
(27/21) Boundary Pillar					
06 Nos. vide MD page-6					
@ Rs 581 = 937/each					Rs 3492 = w
(28/22) Road Marking with hot applied thermoplastic					
92.00 sqm vide MD p-6					
@ Rs 850 = 916/sqm					Rs 78284 = w
(29/23) Road Marking with hot applied thermoplastic					
20.00 sqm vide MD p-6					
@ Rs 951 = 715/sqm					Rs 19034 = w
(30/17) p/v and fixing of typical					
MMU'sy Driveway (NDB)					
informatory sign board					

Continuation

Over all Material Statement	
①	Earthwork — 429.59 cum
②	Stone Metal — 429.59 cu
③	Stone chips — 103.34 cum
④	Sand — 104.57 cum
⑤	Stone screening — 37.64 cum
⑥	Cement — 26.87 MT
⑦	Bricks — 10097 Nos.
⑧	SS-1 — 1.759 MT
⑨	RS-1 — 0.527 MT
⑩	S-90 — 3.519 MT

Final,
12/06/24