

2713 NO. 3313

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313BD/2020-21

DIVISION

SUB-DIVISION

Measurement Book

127.B.10-3313

1st on A/c 01/11

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.	
Name of work:-	Gaonharika Nahar To				
	Chamar fori 1400 kare pmlis y path				
	Tah.				
Agency:-	Sri Ravindra Kr. Singh				
	vill - Barhariga Tola, P.O + P.S - Mash-				
	rakht. Dist - Samastha				
Agreement No:-	31/SBP/2020-21				
Date of start :-	25.08.2020				
Date of completion:-	24.08.2021				
Date of entry :-	02.02.2021				
	Work done				
① setting of Reference pillar	By _____				02 Nos.
② Clearing and grubbing Road	Land - - - - E/I				
	2x4x4x25.00 x 1.75 (4v) -				1400.00 sqm
	2x2x25.00 x 1.75 (4v) -				175.00 "
					1575.00 sqm
					Say 0.16 Hec
③ Box-cutting of existing Road	- - - - E/I				
	2x4x4x25.00 x 0.375 x 0.100 -				30.00 cum
	2x2x25.00 x 0.375 x 0.100 -				3.75 "
					33.75 cum

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
④ Earthwork in excavation --- - - - E/I					
H.W. - 2 x 3.90 x 1.150 x 1.500					13.455
Below pipe - 1 x 5.350 x 1.130 x 0.365					2.207
					15.662 cu
⑤ Laying (first class) bedding on well Compacted (lower 5m)					
H.W. - 2 x 3.90 x 1.150 x 0.150					1.34
Below pipe - 1 x 5.350 x 1.130 x 0.150					0.90
					2.24 cu
				Limit	2.12 cu
⑥ P.V. Mix (1:2.5:5) concrete for primary concrete --- E/I					
H.W. - 2 x 3.90 x 1.150 x 0.150					1.34 cu
Below pipe - 1 x 5.350 x 1.130 x 0.150					1.50 cu
					2.84 cu
				Limit	1.62 cu
⑦ Brick Masonry work in CM (1:4) - - - E/I					
H.W. - 2 x 3.60 x 0.70 x 2.180					10.991 cu
Parapet - 2 x 3.60 x 0.400 x 1.20					3.456 "
Less for pipe - 2 x 0.7857 x 0.800 ² x 0.530					(-) 0.57 "
					13.88 cu
⑧ P.V. and Laying Rec pipe MF-3 3 x 2.50					7.50 M
⑨ plastering with CM (1:4) --- - - - E/I					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Outer Sides -	2X	3.6W	1.500	—	10.80 sm
Inner Sides -	2X	3.6W	0.6W	—	4.32
Top -	2X	3.6W	0.4W	—	2.88
End -	4X	0.70W	1.20	—	3.36 "
End parapet -	4X	0.4W	1.20	—	1.92 "
Leak -	2X	0.787	0.830 ²	—	1.18
⑩ painting on concrete lining					22.20 sqm Limit 14.02 sm
— — — — —					
Same Qty as per item					
⑨ vide m.p. 3					14.02 sqm
⑪ Cont. of G.S.D. by p.v. well					
Graded Material — — —					271
profile correction					

3X	2.00	0.70	0.150	—	0.63 cu
1X	2.70	0.60	0.200	—	0.32 "
2X	2.00	0.90	0.500	—	1.80 "
1X	1.50	0.90	0.075	—	0.10 "
1X	1.70	0.60	0.150	—	0.15 "
1X	3.00	1.50	0.100	—	0.45 "
3X	1.90	1.00	0.125	—	0.71 "
2X	3.10	1.20	0.30	—	2.23 "
3X	2.00	1.10	0.150	—	0.99 "
1X	3.00	2.00	0.300	—	1.80 "
2X	2.50	1.00	0.150	—	0.75 "
2X	1.50	0.90	0.175	—	0.47 "
1X	3.10	1.60	0.125	—	0.62 "
2X	4	4	25.00	0.375	30.00
2X	2	25.00	0.375	0.10	3.75

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Add for curve					
$1 \times 15.00 \times \left(\frac{6.40 + 3.75}{2} - 3.75 \right) \times 0.100$					1.69 m
$1 \times 10.00 \times \left(\frac{3.75 + 4.50}{2} - 3.75 \right) \times 0.100$					0.38 "
$1 \times 15.00 \times \left(\frac{4.50 + 4.10}{2} - 3.75 \right) \times 0.100$					0.83 "
$1 \times 25.00 \times \left(\frac{4.10 + 3.75}{2} - 3.75 \right) \times 0.100$					0.43 "
$1 \times 15.00 \times \left(\frac{6.10 + 3.75}{2} - 3.75 \right) \times 0.100$					1.74 "
					49.86 cum
				Limit	44.55 cum
(12) p/v Laying, spreading on					
Compacting stone aggregate - 2/					

(11) $3 \times 4 \times 25.00 \times 2.75 \times 0.075$					
$2 \times 6 \times 25.00 \times 3.75 \times 0.075$					
Add for curve -					
$1 \times 15.00 \times \left(\frac{6.40 + 3.75}{2} - 3.75 \right) \times 0.075$					1.27 m
$1 \times 10.00 \times \left(\frac{3.75 + 4.50}{2} - 3.75 \right) \times 0.075$					0.28 "
$1 \times 15.00 \times \left(\frac{4.50 + 4.10}{2} - 3.75 \right) \times 0.075$					0.62 "
$1 \times 25.00 \times \left(\frac{4.10 + 3.75}{2} - 3.75 \right) \times 0.075$					0.33 "
$1 \times 15.00 \times \left(\frac{6.10 + 3.75}{2} - 3.75 \right) \times 0.075$					1.32 "
					96.64 cum

(13) Const. of un-reinforced concrete					
jointed at expansion - 2/					
$1 \times 15.00 \times \frac{6.40 + 3.75}{2} \times 0.160$					11.70 m
$10 \times 25.00 \times 3.75 \times 0.160$					150.00 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① $1 \times 10.00 \times \frac{3.75 + 6.00}{2} \times 0.160$					6.60 cm
② $1 \times 15.00 \times \frac{4.50 + 4.75}{2} \times 0.160$					10.32 "
$1 \times 25.00 \times \frac{4.75 + 3.75}{2} \times 0.160$					15.70 "
$1 \times 10.00 \times 3.75 \times 0.160$					6.00 "
$1 \times 15.00 \times \frac{6.00 + 3.75}{2} \times 0.160$					11.80 "
$4 \times 25.00 \times 3.75 \times 0.160$					60.00 "
$1 \times 10.00 \times 3.75 \times 0.160$					6.00 "
					278.14 cm
					275.40 "
				Limit	270.00 cm
④ Hard shouldering					
$2 \times 4 \times 4 \times 25.00 \times 0.250$					200.00 sq
$2 \times 2 \times 25.00 \times 0.250$					25.00 "
					225.00 sq
⑤ km Stone					
		Bty			01 No.
⑥ 200 mm stone					
		Bty			02 No.
⑦ 600 mm Circular					02 No.
⑧ 600 mm equilateral Triangle					
		Bty			04 No.
⑨ 600 mm x 450 mm rectangular					
		Bty			02 No.
⑩ p.N and fixing Logo of					
MMSBY Informatory Citizen					
and Maintenance Board					
		Bty			03 No.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(21) Boundary Pillar					
(22) Road Marking with lat					06 Nos.
Applied thermoplastic Compound					
2x4x4x25.00 x 0.100					80.00 sqm
2x2x25.00 x 0.100					10.00 "
					90.00 sqm
Earthwork Bit Sheet					
SL No.	change	Area	Mean Area	Dist.	Volume
1	0	2.683			
2	50	2.376	2.530	50.00	126.475
3	100	2.607	2.492	50.00	124.575
4	150	3.324	2.966	50.00	148.275
5	200	2.902	3.113	50.00	155.650
6	250	2.370	2.636	50.00	131.800
7	300	2.597	2.484	50.00	124.175
8	350	2.491	2.544	50.00	127.200
9	400	2.963	2.727	50.00	136.350
10	450	1.933	2.448	50.00	122.400
Bit Work Bitg with crust -					1196.900 cu
Crust Bitg -					44.55 "
WDM Cr. 3 -					96.64 "
CE pavement -					270.00 "
					785.71 cu
Normal shouldering -					28.13
					757.54 cu
Net Bitg -					757.54 cu

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(23) Cont. of Embankment 2/1					
(a) Lead up to 100m		874			164.46 m
(b) Lead up to 100m		874			383.74 m
(24) Cont. of subgrade - 2/1					
		874			209.34 m
<u>Sum</u> 02/02/2024 JC Ticked item checked & Initialed (K) 3/2/2024 AC					

Material Statement					
(1) Earthwork	—	757.54	m		
(2) Stone Metal	—	157.70	m		
(3) Stone chips	—	243.40	m		
(4) Stone screening	—	23.15	m		
(5) Sand	—	132.19	m		
(6) Cement	—	94.50	MT		
(7) Bricks	—	16666	Nos		
		13890	Nos		
<u>Sum</u> 02/02/2024 JC <u>Sum</u> 3/2/2024 AC					

ABSTRACT

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Setting up Reference pillar					
02 No. 10" dia MD P-1					
@ Rs 1818 = 495/cum					Rs 3637 = 0
② Clearing and grubbing Road					
Can - - - E/I					
0.16 Hec 10" dia MD P-1					
@ Rs 49174 = 860/Hec					Rs 7868 = 0
③ Box-cutting of existing Road - - - E/I					
33.750 cum 10" dia MD P-1					
@ Rs 81 = 994/cum					Rs 2767 = 0
④ Const. of Embankment					
- - - E/I					
(a) Level up to 100 m					
164.46 Cum 10" dia MD P-7					
@ Rs 187 = 189/cum					Rs 30785 = 0
(b) Level up to 100 m					
383.74 Cum 10" dia MD P-7					
@ Rs 142 = 308/cum					Rs 54609 = 0
⑤/6 Const. of subgrade - - - E/I					
209.34 Cum 10" dia MD P-7					
@ Rs 189 = 069/cum					Rs 39580 = 0
⑥/7 Const. of sub-base with well					
graded Material - - - E/I					
44.55 cum 10" dia MD P-4					
@ Rs 2919 = 583/cum					Rs 130067 = 0
⑦/8 Plv. Comp. Spreading and comping					
stone aggregates - - - E/I					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
96.64 cm wide MD p-4					
@ Rs 3940 = 747/cm					Rs 380853 = W
8/9 Const. of Unreinforced dower jointed. of expansion - - - E/F					
275.40 cm wide MD p-5					
@ Rs 7767 = 921/cm					Rs 2139285 = W
9/10 Hand shouldering - - - E/F					
225.60 sqm wide MD p-2855					
@ Rs 477 = 908/sqm					Rs 107529 = W
10/19 Earthwork in excavator - E/F					
15.662 cm wide MD p-2					
@ Rs 258 = 893/cm					Rs 4055 = W
11/20 Dredging - Laying (fish class) before or well completed - - -					
2.13 cm wide MD p-2					
@ Rs 458 = 238/cm					Rs 976 = W
12/4 PIV M5 (1:2:5:5) concrete for plain concrete - - - E/F					
1.62 cm wide MD p-2					
@ Rs 5989 = 351/cm					Rs 9703 = W
13/21 Brick Masonry work in CM (1:4) - - - E/F					
13.88 cm wide MD p-2					
@ Rs 5684 = 896/cm					Rs 78906 = W
14/23 PIV and Laying RCC Pipe MD-3 - - - E/F					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7.50 M wide MB P-2					
QR 3222 = 724/m					A 24170 sq
15/23 plastering with CM (1:4)					
14.02 sqm wide MB P-3					
QR 1602811/sqm					A 2255 sq
16/24 painting on concrete surface					
14.02 sqm wide MB P-3					
QR 1602811/sqm					A 2255 sq
17/18 kilometre stone					
01 No wide MB P-5					
QR 2585 = 300/each					2586 sq
18/19 200 m stone					
02 Nos wide MB P-5					
QR 670 = 882/each					2 1342 sq
19/ 600 mm Circular					
02 Nos wide MB P-5					
QR 5804 = 38/each					A 11609 sq
20/ 600 mm equilateral triangle					
04 Nos wide MB P-5					
QR 4551 = 90/each					A 18208 sq
21/ 600 mm x 400 mm rectangular					
02 Nos wide MB P-5					
QR 5676 = 18/each					A 11352 sq
22/ PN And fixing Logo of MMBSY					
informational sign board					
03 Nos wide MB P-5					
QR 10227 = 51/each					A 30683 sq

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(23) Boundary pull in					
06 New wle MD p-6					
@ Rs 578 = 0.16/each				RJ	3468 = 0
(24) Road Marking - 2/1					
90.00 Sqm wle MD p-					
Rs 7 = 71/50m				RJ	85654 = 0
				Rs	3183815 = 0
Less 10% below				(-)	318382 = 0
				Rs	2865433 = 0
<i>Handwritten signature</i> 02/02/2021 10					
<i>Handwritten signature</i> 3/2/2021 AR					
<i>Handwritten signature</i> 3/2/21					

Continuation