

121. B. XD - 3234

295B/2019-DIVISION

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MEASUREMENT BOOK

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1st on A/c Bill

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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.	
N/W - Kewla RFO Road Mathurapur					
Path se Balika vidyalay hote					
huye Sipahi Rai Kelahar Tek.					
Length:	0.725 Km				
Agency:	Smt Rupa Kumari				
	vill-Narayanpur, A.O-Pattisital.				
	P.S - Bheladi, Dist-Saran (Chhpr)				
Agreement NO:	295BD/2019-20				
Date of start:	06.07.2019				
Date of Completion:	05.04.2020				
Date of entry:	02/03/2020				
<u>Work done</u>					
① Setting of Benchmark --- E/I	RtY --- 01 No				
② Setting of Reference pillar	RtY --- 03 Nos				
③ Clearing and grubbing Road	Land --- E/I				
	2X 7X 4X 25.w	X 3.50	6900.00 sqm		
	2X 25.w	X 3.50	175.w		
					5075.w sqm
	Soy - 0.51 Hec				
④ Box-cutting of existing Road --- E/I					
	2X 7X 4X 25.w	X 0.375 X 0.100	52.50 cu		
	2X 25.w	X 0.375 X 0.100	1.88		

Continuation

5438 cu

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑤ Const of Embankment - - - E/I					
$2 \times 6 \times 4 \times 25.00 \times \frac{0.75+1.50}{2} \times 0.40$					675.00 cu
$2 \times 5 \times 25.00 \times \frac{0.75+1.50}{2} \times 0.30$					98.44 "
					773.44 cu
⑥ Const of Earthwork in excavation - - - E/I					
H.W. - $2 \times 6.450 \times 1.400 \times 1.500$					27.090 cu
Below pipe - $1 \times 4.950 \times 1.530 \times 0.365$					2.708 "
					29.798 "
					Say 29.80
⑦ p.v. M ₁₅ (PCC 1:2.5:5) as kerb					
Course in foundation - - - E/I					
H.W. - $2 \times 6.450 \times 1.400 \times 0.150$					2.709 cu
Below pipe - $1 \times 4.931 \times 1.530 \times 0.250$					1.886 "
Less for pipe - $0.250 \times 0.7857 \times (1.230)^2 \times 0.546$					(-) 1.633 "
					2.962 cu
					Say 2.96
⑧ Brick Masonry work in cm (1:4) - - - - E/I					
H.W. - $2 \times 6.150 \times 0.825 \times 2.580$					26.181 cu
Parapet - $2 \times 6.150 \times 0.400 \times 1.200$					5.904 "
Less for pipe - $2 \times 0.7857 \times (1.230)^2 \times 0.622$					(-) 1.578 "
					30.607 cu
					Say 30.61
⑨ p.v. and Laying Rcc pipe NP-3 for Culvert					
3×2.50					7.50 M
⑩ plastering with Cement Mortar (1:4) on Brick work.					
outside - $2 \times 6.150 \times 2.780$					46.474 sqm
Inner Sides - $2 \times 6.150 \times 0.600$					7.380 "

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Top	2X	6.150	0.400	—	4.920 sqm
Ends	4X	0.825	2.580	—	8.514 "
Ends (Parapet)	4X	0.400	1.200	—	1.920 "
Less	2X	0.7957	(1.230) ²	—	(-) 2.377 "
					66.851 sqm
					say 66.85
(17) Build up p/v 1.5mm Cement					
Plumbing	—	—	—	E/I	
Top	2X	6.150	0.400	—	4.920 sqm
Ends (Parapet)	4X	0.400	1.200	—	1.920 "
Inner sides	2X	6.150	0.600	—	7.380 "
					14.220 sqm
(12) Painting two coats on new					
Concrete surface	—	—	—	E/I	
2.5X2X	6.150	3.780	—	—	116.235 sqm
					say 116.24
(13) Const. of G.S.M. by p/v					
Coarse graded Material	—	—	—	E/I	
Profile Correction:—					
2X	1.50	0.90	0.125	—	0.47 cu
2X	2.50	1.00	0.150	—	0.75 "
1X	3.00	2.00	0.300	—	1.80 "
1X	3.10	1.60	0.125	—	0.62 "
3X	2.00	0.70	0.150	—	0.63 "
1X	2.70	0.60	0.200	—	0.32 "
2X	2.00	0.90	0.300	—	1.80 "
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	0.300	—	2.23 "
3X	2.00	1.10	0.150	—	0.99 "
Continuation					10.92 cum

Particulars.	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>GISB in Box and add Curve</u>					
$1 \times 25.00 \times \left(\frac{3.75 + 4.50}{2} - 3.00 \right) \times 0.10$					2.81 cu
$1 \times 25.00 \times \left(\frac{4.50 + 3.75}{2} - 3.00 \right) \times 0.10$					2.81 cu
$2 \times 2 \times 25.00 \times 0.375 \times 0.10$					3.75 "
$1 \times 25.00 \times \left(\frac{3.75 + 4.50}{2} - 3.00 \right) \times 0.10$					2.81 "
$1 \times 25.00 \times \left(\frac{4.50 + 3.75}{2} - 3.00 \right) \times 0.10$					2.81 "
$2 \times 1 \times 25.00 \times 0.375 \times 0.10$					1.88 "
$1 \times 25.00 \times \left(\frac{3.75 + 4.10}{2} - 3.00 \right) \times 0.10$					2.31 "
$1 \times 25.00 \times \left(\frac{4.10 + 3.75}{2} - 3.00 \right) \times 0.10$					2.31 "
$2 \times 8 \times 25.00 \times 0.375 \times 0.10$					15.00 "
$1 \times 25.00 \times \left(\frac{3.75 + 4.10}{2} - 3.00 \right) \times 0.10$					2.31 "
$1 \times 25.00 \times \left(\frac{4.10 + 3.75}{2} - 3.00 \right) \times 0.10$					2.31 "
$2 \times 3 \times 25.00 \times 0.375 \times 0.10$					5.63 "
$1 \times 25.00 \times \left(\frac{3.75 + 4.40}{2} - 3.00 \right) \times 0.10$					2.69 "
$1 \times 25.00 \times \left(\frac{4.40 + 3.75}{2} - 3.00 \right) \times 0.10$					2.69 "
$2 \times 4 \times 25.00 \times 0.375 \times 0.10$					7.50 "
					70.54 cum
				Limit	65.79 cum
<u>(14) PIV Laying, spreading and</u>					
Compacting Stone aggregate - 1/2"					
$1 \times 25.00 \times \frac{3.75 + 4.50}{2} \times 0.075$					7.73 cum
$1 \times 25.00 \times \frac{4.50 + 3.75}{2} \times 0.075$					7.73 cum
$2 \times 25.00 \times 3.75 \times 0.075$					14.06 cum
Continuation					29.52 cum

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
$1 \times 25.00 \times \frac{3.75 + 4.00}{2} \times 0.075$					7.73 cm
$1 \times 25.00 \times \frac{4.10 + 3.75}{2} \times 0.075$					7.73 "
$1 \times 25.00 \times 3.75 \times 0.075$					7.03 "
$1 \times 25.00 \times \frac{3.75 + 4.10}{2} \times 0.075$					7.36 "
$1 \times 25.00 \times \frac{4.10 + 3.75}{2} \times 0.075$					7.36 "
$8 \times 25.00 \times 3.80 \times 0.075$					57.00 "
$1 \times 25.00 \times \frac{3.75 + 4.70}{2} \times 0.075$					7.36 "
$1 \times 25.00 \times \frac{4.10 + 3.75}{2} \times 0.075$					7.36 "
$3 \times 25.00 \times 3.75 \times 0.075$					21.09 "
$1 \times 25.00 \times \frac{3.75 + 4.40}{2} \times 0.075$					7.64 "
$1 \times 25.00 \times \frac{4.40 + 3.75}{2} \times 0.075$					7.64 "
$4 \times 25.00 \times 3.75 \times 0.075$					28.13 "
					202.95 cm
Single 02/03/2020 J.E Am 20/03/2020					
2nd Record entry					
Date of entry - 20/03/2020					
① Const. of Un-reinforced plain					
Cement Concrete pavement --- 1/1					
$1 \times 25.00 \times \frac{3.60 + 4.50}{2} \times 0.160$					16.20 cm
$1 \times 25.00 \times \frac{4.50 + 3.75}{2} \times 0.160$					16.50 "
$2 \times 25.00 \times 3.75 \times 0.160$					30.00 "
Continuation					62.70 cm

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x25.00x		$\frac{3.75+4.10}{2}$		x0.160	16.30 cu
1x25.00x		$\frac{4.10+3.80}{2}$		x0.160	16.60 "
1x25.00x		$\frac{3.80+4.10}{2}$		x0.160	15.80 "
1x25.00x		$\frac{4.10+3.80}{2}$		x0.160	15.80 "
5x25.00x		3.80		x0.160	76.00 "
1x25.00x		$\frac{3.80+3.75}{2}$		x0.160	15.10 "
3x25.00x		3.75		x0.160	45.00 "
1x25.00x		$\frac{3.75+4.10}{2}$		x0.160	15.70 "
1x25.00x		$\frac{4.10+3.75}{2}$		x0.160	15.70 "
3x25.00x		3.75		x0.160	45.00 "

1x25.00x		$\frac{3.75+4.40}{2}$		x0.160	16.30 cu
1x25.00x		$\frac{4.40+3.80}{2}$		x0.160	16.40 "
3x25.00x		3.80		x0.160	45.60 "
1x25.00x		$\frac{3.80+3.65}{2}$		x0.160	14.90 "
					433.10 cu

② Cont. of subgrade---E/I

Sides of bsb-	2x7x4x25x0.625x0.100	87.50 cu
Sides of WMBH-3	2x7x4x25x0.625x0.100	65.63 "
Sides of CC-	2x7x4x25x0.625x0.100	140.00 "
		293.13 cu

③ p/v and fixing of typical

MANUSY informatory Sign Down --- 04 Nos

20.03.2020
JE

Continuation

20/03/2020

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 MB p-1					
@ Rs 3864 = 02/each					Rs 3864 = 02
② Setting of Reference pillar					
03 No. vide MB p-1					
@ Rs 1779 = 01/each					Rs 5337 = 03
③ Clearing and grubbing Ror					
Land --- E/I					
0.51 Hec vide MB p-1					
@ Rs 49174 = 86/Hec					Rs 250792 = 0
④ Box cutting of existing Ror					
54.38 cum vide MB p-1					
@ Rs 81 = 18/cum					Rs 4415 = 00
⑤ Const. of Embankment --- E/I					
773.44 cum vide MB p-2					
@ Rs 187 = 47/cum					Rs 144997 = 00
⑥ Const of subgrade --- E/I					
293.13 cum vide MB p-6					
@ Rs 230 = 79/cum					Rs 67651 = 00
⑦ Const. of W.D. by P.V. concrete					
graded Material --- E/I					
65.79 cum vide MB p-4					
@ Rs 3058 = 20/cum					Rs 201199 = 00
⑧ P.V. Laying, Spreading and Compacting					
Stone aggregates --- E/I					
202.95 cum vide MB p-5					
@ Rs 4377 = 75/cum					Rs 888464 = 00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9) Const. of Un-reinforced plain Cement Concrete Perement 433.10 Cum vide MB p-6 @ Rs 8059 = 79/Cum — Rs 3490695 = 40					
(10) Earthwork in excavation - E/H 29.80 Cum vide MB p-2 @ Rs 258 = 83/Cum — Rs 7715 = 40					
(11/12) Plr Concrete for plain/reinforced Concrete — E/H 2.96 Cum vide MB p-2 @ Rs 5659 = 73/Cum — Rs 16753 = 40					
(12/23) Brick Masonry work in cm (1:4) in Head wall					

30.61 Cum vide MB p-2 @ Rs 5702 = 90/Cum — Rs 1745662 = 40					
(13/24) Plr and laying RCC pipe NP3 for Culvert 7.50 M vide MB p-2 @ Rs 4092 = 41/M — Rs 30693 = 40					
(14/25) Plastering with Cement Mortar (1:4) on Brick work 66.85 Sqm vide MB p-3 @ Rs 162 = 53/Sqm — Rs 10865 = 40					
(15/26) Plr 1.5 mm cement punning 14.22 Sqm vide MB p-3 @ Rs 48 = 02/Sqm — Rs 688 = 40					
(16/27) Painting two coat on new Concrete Surface					

Continuation
Concrete Surface

Material Statement

Continuation