Raj Bhushan Singh

Schedule XLV Form No. 134.

NH-17 to Jakhya Ghat MR

BIHAR P.W.D.

कार्यपालक अभियंता
बाढ़ नियंत्रण विभाग
बाढ़ प्रमंडल, जमुई-1

DIVISION

~~A E R W D (W)~~ SUB-DIVISION

Revenue

MEASUREMENT BOOK.

No - 3672

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Sen. XLV-Form No. 134 2

Particulars	Details of actual measurements No	L	B	D	Contents of area
<d>	Const. of Sub-grade and earthen shoulder with approved material as all complete Job				
Plant	2x10	30m x	0.6x	0.30 =	108.00m3
Digging due	2x15	30m x	0.6x	0.30 =	162.00m3
traffic Cit	2x20	30m x	0.6x	0.30 =	216.00m3
				total =	366.00m3
<3>	G.S.B Cording = ? = Const. of G.S.B Cor? by providing well graded material as all complete Job				
G.S.B Cor?	10x	1.60x	1.40x	0.10x	22.40 m2
for Pot holes	15x	2.40x	1.20x	0.10x	46.80m2
in fair	5x	2.60x	2.10x	0.10x	27.30m2
pitch	10x	1.8x	1.30x	0.10x	23.40 m2
	20x	2.30x	1.20x	=	55.20 m2
	10x	2.10x	1.40x	=	29.40m2
	30x	2.4x	1.70	=	81.60 m2
	15x	1.8x	1.90	=	51.30 m2
	25x	1.40x	1.30	=	45.50 m2
	10x	1.70x	1.20	=	22.80 m2
				>	405.70m2
G.S.B Cor? =		405.70x	0.10	=	40.57m3
		Limit Qty		=	40.19m3

Continuation

Particulars	Details of actual measurement No	L	B	D	Contents of area
(4)	WBM Grading 2= Const. of Stone aggregate of WBM-2 Specified size for Water Bound Macadam dry all Complete				
		V			
	10x	1.60x	1.40	=	22.40 m2
	15x	2.40x	1.30	=	46.80 m2
	5x	2.6x	2.10	=	27.30 m2
	10x	1.80x	1.30	=	23.40 m2
	30x	2.30x	1.20	=	55.20 m2
	10x	2.10x	1.40	=	29.40 m2
	30x	2.40x	1.70	=	81.60 m2
	15x	1.80x	1.90	=	51.30 m2
				=	337.40 m2
	Qty of WBM-2				
		⇒	337.40x0.075		= 25.30 m3
(5)	WBM-Gr-3= PIL Spreading and Compacting WBM-3 dry all Complete Same as Qty of above item No (3) of B.S.D Gr-2 =				405.70 m2
	10x	1.60x	1.50	=	24.00 m2
	15x	1.90x	1.80	=	51.30 m2

Continuation total = 481.00 m2

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Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
		B/F Qty =			448.[illegible] m²
	12 ×	1.70 ×	1.30	=	26.52 m²
	10 ×	1.80 ×	1.90	=	34.20 m²
	10 ×	1.70 ×	1.50	=	25.50 m²
	5 ×	2.10 ×	2.40	=	25.20 m²
				=	59.242 m²
	Qty of WBM-3				
		592.42 × 0.075 =			44.43 m²

18 Prime Coat => PA
tack Coat with
Bitumen emulsion
(SS-1) as all Compound

Same Qty of above
item Sr. No (5) of
WBM-Gr-3 => 592.42 m²

17 Tack Coat = PA
tack Coat with bitumen
Emulsion (RS-1) as
all Compound
Same Qty of item
Same item of (5)
WBM-Gr-3 => 592.42 m²
~~12 × 3.00 × 3.15 = 1750.00 m²~~
~~2 × 3.00 × 3.00 = 180.00 m²~~
~~2 × 3.00 × 3.30 = 198.00 m²~~
~~7 × 3.00 × 3.75 = 787.50 m²~~
Continuation ~~3107.92 m²~~

Particulars	Details of actual measurement No	L	B	D	Contents of area
<8>	Providing, laying and rolling 20 mm premix surface material -do- all complete job				
	Same Aty of above item S.No (7) of Tack Coat			=	593.475 m² 307.92 kg
<9>	Tack Coat: P/A tack coat with Bitumen emulsion (RS-1) using emulsion -do- all complete job				
	10 × 30.00 × 3.75			=	1125.00 m²
	8 × 30.00 × 3.75			=	900.00 m²
	3 × 30.00 × 3.75			=	337.50 m²
10/1/23	4 × 30.00 × 3.00			=	360.00 m²
	2 × 30 × 3.30			=	198.00 m²
	10 × 30 × 3.50			=	1050.00 m²
	4 × 30 × 3.75			=	450.00 m²
	3 × 30 × 3.00			=	270.00 m²
				=>	4690.50 m²
<10>	S.D.B.C: P/A Semi dense bitumen concrete with 100-120 TPH -do- all complete job				

Continuation

Particulars	Details of actual measurements No	L	B	D	Contents of area
	Same qty of above item Sr No (9) of SDBC =				469.5 Mt
	Qty = 469.5 x 0.25				117.36 M³
(11)	Fit of typical MMGSY information sign board with 'logo' at all complete Job				
	2.00 No				2.00 No
(12)	Earth work in excavation of foundation trenches at all complete Job				
Abutment	2 x	6.40 x	2.70 x	1.80 =	62.21 M³
Return wall	4 x	1.20 x	2.46 x	1.80 =	21.25 M³
Floor under	1 x	6.00 x	0.60 x	0.25 =	0.90 M³
Cut off wall					
long wall	2 x	8.40 x	1.00 x	1.80 =	30.24 M³
4 Sides D/S	2 x	0.60 x	1.00 x	1.80 =	2.16 M³
Cross wall	2 x	2.10 x	1.00 x	1.80 =	7.56 M³
Flooring (U/S)	1 x	6.40 x	0.60 x	0.25 =	0.96 M³
Heavy	1 x	6.40 x	2.10 x	0.25 =	3.36 M³
				Total =	128.64 M³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
<13>	Sand filling in foundation trench all complete Job				
Floor under Deck Slab	1 ×	6.4 ×	2.60 ×	0.10 =	1.56 m3
<14>	Providing M-15 as levelling course in foundation trench all complete Job				
Abutment	2 ×	6.40 ×	2.70 ×	0.20 =	6.91 m3
Return wall	3 ×	1.20 ×	2.10 ×	0.20 =	1.51 m3
Floor under Deck slab	1 ×	6.4 ×	2.7 ×	0.15 =	2.43 m3
Long wall	2 ×	8.40 ×	1.0 ×	0.15 =	2.52 m3
Cut off wall U/S	2 ×	6.60 ×	1.0 ×	0.15 =	0.18 m3
Cutting D/S	2 ×	2.10 ×	1.0 ×	0.15 =	0.63 m3
Flaring U/S	1 ×	3.20 ×	1.50 ×	0.15 =	1.85 m3
D/S	1 ×	8.20 ×	3.0 ×	0.15 =	3.69 m3
					19.72 m3
<15>	Brick Masonry in CM (1:4) in Stb. foundation structure trench all complete Job				
Abutment	~~2 × 6.20 × (2.5+1.30)/2 × 1.20~~				
Return wall	2 ×	6.20 ×	(2.5+1.30)/2 ×	1.20 =	31.99 m3
Return wall	3 ×	1.20 ×	1.20 ×	1.20 =	5.18 m3
Cutoff wall	2 ×	8.20 ×	(1.30+0.37)/2 ×	1.20 =	11.41 m3

Continuation

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Particulars	Details of actual measurement No	L	B	D	Contents of area
	2	7.41	(0.8+0.4)/2	0.20	= 3.35 m3
					57.95 m3
01-01-2021 JE			01-1-21	A.E	

Material Consumption

1	E/W =	494.69 m3
2	Local Sand =	20.56 m3
3	Stone metal (G.S.B) =	30.94 m3
4	Stone metal (WBM) =	84.37 m3
5	Screening (WBM) =	17.41 m3
6	Stone chips (DBC) =	6707.41 m3
7	Stone chips (20mm) =	93.23 m3

01-01-2021
JE

Continuation

ABSTRACT OF COST

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Particulars	Details of actual measurement No.	L	B	D	Contents of area
(1)	Clearing and Grubbing Road land - da all complete Job V.P No (1)				
0.34 Ha @ Rs 49496.70 Per Ha					Rs 16827.00
(2)	Cost of Subgrade and earthen shoulder with approved material - da all Complete Job V.P No (2)				
366.00 m³ @ Rs 176.98 Per m³					Rs 64767.00
(3)	G.S.B. Gr-2 = Cost of G.S.B. Gr-2 by proper well graded material - da all complete V.P No (3)				
40.19 m³ @ Rs 2281.71 Per m³					Rs 91702.00
(4)	W.B.M Gr-2 = P/L spreading W.B.M-2 Computed stone aggregate - da all Complete Job V.P No (3)				
25.30 m³ @ Rs 4041.26 Per m³					Rs 102244.00
					Rs 275542.00

Continuation

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Particulars	Details of actual measurement No	L	B	D	Contents of area
(5/5)	WBM G-3 P/L and Compacting stone aggregate in all Complete Job V.P.M(4)				
44.43 m³ @ Rs 3793.25 Per m³					Rs 168534.00
(6/6)	Prime Coat P/A prime coat in all Complete Job V.P.No(4)				
592.43 m² @ Rs 41.24 Per m²					Rs 24432.00
(7/7)	P/A tack coat with bitumen Emulsion using emulsion in all Complete Job V.P.M(4)				
~~592.42~~ 367.52 m² @ Rs 13.99 Per m²					Rs 8288.00
(8/8)	P/L and rolling of 90mm Premix Surfacing with DBM in all Complete Job V.P.M(5)				
592.42 m² @ Rs 222.51 Per m²					Rs 131819.00

Continuation Rs 608615.00

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Particulars	Details of actual measurement No	L	B	D	Contents of area
9/9	P/A tack coat with bitumen Emulsion using emulsion @ all complete 2d V.P.No (5)				
4690.50m² @ Rs	12.16	Per m²	Rs		57076.00
10/10	P/L Semi dense bituminous Concrete (SDBC) with 120-120 TPH @ all complete 2d V.P.No (6)				
117.26MS 4690.50m² @ Rs	110223.21	Per m³	Rs		1292464.00
11/19	P/f of Typical MMGSY information sign board with Logo @ all complete 2d V.P.No (6)				
Per No @ Rs	9289.64	Per No	Rs		18579.00
12/23	Earth work in excavation of foundation trench as digging and to level @ all complete 2d V.P.No (6)				
128.64M³ @ Rs	260.59	Per m³	Rs		33522.00
Continuation					Rs 2010216.00

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Particulars	Details of actual measurement No	L	B	D	Contents of area
(13/24)	Sand filling in foundation trenches as per drawing & all complete job V.P No (7)				
1.56 m³ @ Rs 449.06 P/m³				Rs	701.00
(14/25)	Providing M-15 as levelling course in foundation & all complete job V.P No (7)				
19.72 m³ @ Rs 5436.82 P/m³				Rs	107214.00
(15/26)	Brick Masonry in CM (1:4) in foundation & all complete job V.P No ~~(8)~~ (8)				
51.93 m³ @ Rs 5045.79 P/m³				Rs	262028.00
				Rs	2380159.00
	Labour Cess 1% on			Rs	23802.00
	G.S.T. 12% on			Rs	285619.00
				Rs	2689580.00
	Less 0.55% below			Rs	14793.00
				Rs	2674787.00
01-01-2021 JE			10/1/2021 AE		

"C" Communication

10/01/2021