

mm65v -50

SHRE BALAJEE DEVELOPERS

Schedule XLV Form No. 134.

Executive Engineer, R.W.D. DIVISION
Tekari

Assistant Engineer, R.W.D. SUB-DIVISION
Tekari

Measurement Book

916

Const of Road from Bazidpur Shakti Bigha to 2021

Final bill

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B..	D.	
Name of work-	Bazidpur shakti				
bigha -	to L021				
Agency-	m/s. Shree Balajee				
Developers					
Agreement no-	11 SBD/mmmsy/20-21.				
Date of start of work-	22/06/21				
Date of completion-	21/06/22				
<u>Measurement</u>					
1. const. of subgrade & earthen shoulder					
do					
$2 \times 30 \times 7.5 \times 0.30 =$					135 m ³
$2 \times 42 \times 25 \times 1.20 \times 0.075 =$					189 m ³
$2 \times 1 \times 10 \times 1.25 \times 0.075 =$					1.875 m ³
$2 \times 42 \times 25 \times 1.35 \times 0.20 =$					567 m ³
$2 \times 1 \times 10 \times 1.35 \times 0.20 =$					5.40 m ³
$8 \times 10 \times 7.5 \times 0.5 =$					300 m ³
Total					1198.275
(2) const. of granular subbase					
do					
$1 \times 30 \times 4.05 \times 0.20 =$					24.30 m ³
$1 \times 30 \times 3.5 \times 0.20 =$					21.0 m ³
$6 \times 8 \times 5 \times 0.30 =$					72 m ³
Continuation Total					117.30 m ³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ WBM gr-III					
Providing, laying, spreading and compacting stone aggregates — do —					
40 X 25 X 3.75 X 0.075 =					281.25m ³
1 X 30 X 3.75 X 0.075 =					8.437m ³
1 X 30 X 3.50 X 0.075 =					7.875m ³
8 X 20 X 0.50 X 0.075 =					6.0m ³
			Total		303.562m ³
④ Prime coat					
Providing and applying primer coat with bitumen emulsion (SS-1) — do —					
Area used for prime coat is same as area used in WBM gr-III					
Page- (23) item- (3) of					
TMB = 303.562m ³					
0.075m					
= 4047.493m ²					
Cont =					4047.493m ²
say					4047.50m ²
⑤ Tack coat					
Providing & applying tack coat with bitumen emulsion (RS-1) — do —					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Area used for tack coat is same as area used in prime coat					
Page - (23) item - (4)					
of T.M.B = 4047.493 m ²					
				ent =	4047.493
				say	4047.50 m ²
(6) Providing and laying and rolling of close-graded premix surfacing material					
ms - do -					

Area used for ms					
is same as area used					
40 x 25 x 3.75 =					3750 m ²
1 x 30 x 3.75 =					112.50 m ²
1 x 30 x 3.50 =					105 m ²
8 x 20 x 0.50 =					80 m ²
				Total	4047.50 m ²

(7) Kilometer stone					
do					
(i) ordinary kilometer stone				ent =	3 No.
(ii) 200 m stone				ent =	4 No.

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ Boundary pillar do					
				ont =	21 No.
⑨ Painting two coats on new concrete surfaces do					
	8 X 6.20 X 1.80			=	89.28 m ²
⑩ Providing and fixing of typical masonry informative sign board with logo do					
				ont =	3 No.
⑪ Providing & fixing of retro-reflective cautionary, mandatory and informative sign do					
(i) 600 mm equilateral triangle board do				ont =	10 No.
(ii) 600mm x 450mm rectangular school board do				ont =	6 No.
⑫ Road marking with hot applied Thermoplastic compound on BT surface do					
	2 X 1060 X 0.1			=	212 m ²

Continuation

Continuation

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. Const. of reference & working bench mark — do —					
ent = 1.078 km Page - (16)					
item - (1) @ Rs 3739.70 =					
				Rs	4031.2
2. Const. of reference pillar — do —					
ent = 1.078 km p - (16)					
item - (2) @ Rs 1697.69					
				Rs	1830 =
3. Clearing & grubbing					
road Land — do —					
ent = 0.75 hect Page - (16)					
item - (3) @ Rs 52998.20					
				Rs	397492
4. Const. of embankment with soil obtained from borrow pit & 1000 km haul — do —					
ent = 838.49 m ³ p - (16)					
item - (4) @ Rs 192192.03 =					
				Rs	161015:
5. Const. of embankment with soil — do —					
ent = 1956.49 m ³ p - (17)					
item - (5) @ Rs 154.58 = Rs					302434

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ const. of subgrade & earthen shoulder					
— do —					
amt =	2152.80	m ³		Page-(17)	
item- ⑥ + amt =	1198.275	m ³			
Page- ②② item- ①					
=	2152.80 + 1198.275				
=	3351.075	m ³			
@ Rs 176.64 / m ³					
					Rs 591934 =
⑦ E/W excavation in found.					
— do —					
amt =	213.06	m ³		P- (17)	
item- ⑦ @ Rs	305.42				
					Rs 65073 =
⑧ P/V PCC m-15 mix concrete in found					
— do —					
amt =	24.64	m ³		P- (17)	
item- ⑧ @ Rs	4371.61				
					Rs 107716 =
⑨ P/V PCC m-20 in foundation					
— do —					
amt =	134.80	m ³		P- (17)	
item- ⑨ @ Rs	4855.56				
					Rs 654529 =

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) P/V & laying P.C. m-20					
mix concrete in					
substructure					
do					
amt =	93.84 m ³		P-	(18)	
item - (10) @ Rs			5075.61/m ³		
				2 Rs	476295
(11) P/V & cont. of RCC m-20					
in substructure					
in abutment conf					
do					
amt =	8.92 m ³		P-	(18)	
item - (11) @ Rs			5350.12		
				2 Rs	47723
(12) P/V & cont. of RCC m-25					
mix concrete for slab					
do					
amt =	7.48 m ³		P-	(18)	
item - (12) @ Rs			6141.59/m ³		
				2 Rs	4593
(13) S/F & Placing HYSD					
bar reinforcement					
do					
amt =	1.324 m T		@ Rs	55525.09/m T	
P-(18) item - (13)				= Rs	7351

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) Back filling behind abutment — do —					
ent = 804.98/m			3 P = (19)		
item = (14) @ Rs					
ent = 69.56 m ³			Page - (19)		
item = (14) @ Rs			804.98/m ³		
			2 Rs		55994 =
(15) P/V weep holes — do —					
ent = 64 No.			Page - (19)		
item = (15) @ Rs			118.20		
			2 Rs		7565 =
(16) P/V & laying 1000 mm dia NR-3 hume pipe — do —					
ent = 15m			Page - (19)		
item = (16) @ Rs			3688.66		
			2 Rs		55330 =
(17) P/V & laying 300 mm dia hume pipe — do —					
ent = 50m			Page - (19)		
item = (17) @ Rs			727.11/m		
			2 Rs		36356 =

Continuation

Sch. XLV-Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
(18) Filling in found. for back filling with sand — do —					
amt = 15.22 m ³					
item - (18) @ Rs 522.31/m ³					
				2 Rs	7950.2
(19) const. of granular subbase — do —					
amt = 810 m ³ Page - (20)					
item - (19) + amt = 117.30 m ³					
Page - (22) item - (2)					
= 810 m ³ + 117.30 m ³					
= 927.30 m ³					
@ Rs 1669.27/m ³ = Rs 1547914.2					
(20) WBM gr - III					
Providing, laying, spreading & compacting stone aggregates — do —					
amt = 303.562 m ³					
Page - (23) item - (20) (3)					
@ Rs 2333.72/m ³ = Rs 708429.2					
(21) Prime coat — do —					
Providing & applying primer coat with					

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
bitumen emulsion (SS-1)					
do					
ent =	4047.50	m ²	P-(23)		
item - (4) @ Rs		41.34/m ²			
				2 Rs	167324=

(22) Tack coat

Providing & applying
tack coat with bitumen
emulsion (RS-1)

ent = 4047.50 m² P-(24)

item - (5) @ Rs 14.30/m² = Rs 57879=

(23) M.S.S

Providing, laying and
rolling of close-graded
premix surfacing material

ent = 4047.50 m² P-(24)

item - (6)

@ Rs 166.93/m² = Rs 675649=

(24) Kilometer stone

(i) ordinary kilometer
stone

ent = 3 No. Page - (24)

item - 7(1) @ Rs 2010.40

Continuation = Rs 6031=

Sch. XLV-Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
ii) 200 m stone - do					
ent = 4 NO. P- (24)					
item - 7(ii) @ Rs 57.734					
				2 Rs	23092
Boundary pillar					
do					
ent = 21 NO. Page - (25)					
item - (8) @ Rs 519.60 = Rs					10912=
Painting two coats on new concrete surface					
do					
ent = 89.28 m ² P- (25)					
item - (7) @ Rs 99.17 = Rs					8854=
Providing and fixing of typical mm ² of					
informational signboard					
do					
ent = 3 NO. Page - (25)					
item - 25 (10) @ Rs 9242.21					
					= Rs 27727=
Providing & fixing of retro-reflective of					
cautionary, mandatory and informational sign					
do					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(i) 600mm equilateral triangle board					
do					
ont = 10 No. Page - (25)					
item - 11 (i) @ Rs 3389.39					
					= Rs 33894
(ii) 600mm x 450mm equilateral board					
do					
ont = 6 No. Page - (25)					
item - 11 (ii) @ Rs 4448.89					
					= Rs 26693
(29) Road marking with hot applied Thermoplastic compound on BT surface					
do					
ont = 212 m ² Page - (25)					
item - (12) @ Rs 735.89					
					= Rs 156009
(30) Providing and laying boulder apron - do -					
ont = 5.574 m ³					
ont = 11.140 m ³ P - (26)					
item - (13) @ Rs 2020.24					
					= Rs 2250

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(31) Dismantling of existing structure like culvert					
do					
amt = 3.54 m ³ P- (26)					
item - (13) @ Rs 493.18					
				= Rs	1746 =
(32) Dismantling of existing structure of brick masonry					
do					
amt = 79.20 m ³					
Payc - (26) item - (14)					
@ Rs 353.64					
				Rs	28008 =
(33) Removing all types of hume pipe					
do					
amt = 20 Rm P- (26)					
item - (16) @ Rs 244.92					
				Rs	4898 =
				Total Rs	6221759 =
Add 12% GST (F) Rs					746611 =
Add Labour cum 1% (F) Rs					62218 =
Add seigniorage fee (F) Rs					118683 =
C/o Total Rs					7149271 =

Continuation

Continuation