

HW- Const. of RCC Bridge Over Bakkar River in
Between Ramnagar village & meghpur village

11/12/2019

Schedule XLV-Form No. 134

आविष्कार विभाग का मंडल, गुवाहाटी

DIVISION

आविष्कार विभाग का मंडल, गुवाहाटी

SUB-DIVISION

Measurement Book

6.5.20-2287

Agency- Ramvir Nirman Pvt. Ltd.

Agreement No. 68(5188)/2019-20

Name of work- const. of RCC Bridge over
 Situation of work- Bakaur River in BLW
 Agency by which work is executed- Ramnagar village
 Date of measurement- 2 meghpur village in
 No. and date of agreement. Surzand Block
 (These four lines should be repeated at the commence-
 ment of the measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/Agency- Ranvir Nirman Pvt Ltd.					
Agreement No- 68 (SBD)/2019-20					
Dt. of start - 23/01/20					
Dt. of comp - 22/01/21					
Below - 10 of.					
Dt. of measurement - 01/06/2020.					

(1/3) Boxed cast in situ

m-35 grade RCC pile

* Abutment Pile-A side-P₁

1 x 21.0m — r = 21.0m

21.0m.

Signature
 01/06/20
 JB

Signature
 01/06/20

(2/3) Boxed cast in situ

m-35 grade RCC pile

* Abutment Pile-A side-P₂

7th & final Bill

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of cost:-					
Ref MB No-2287- Page-55-57					
① Dismantling of existing structure					
Qty code TMB P (14)					
Qty- $12214 \text{ m}^3 @ 1129.121/\text{m}^3 = 13,797.00$					
② Providing & laying Steel Deck					
10mm thick:-					
Qty code TMB P (13)					
Qty- $1.062 \text{ MT} @ 85,999.41/\text{MT} = 91,331.00$					
③ Bored Cast in situ m-35 grade					
Concrete					
Qty code TMB P-15					
Qty- $37800 \text{ m}^3 @ 1742.74/\text{m}^3 = 65,89,576.00$					
④ S/P and placing HYSD bar reinforcement					
in Foundation -					
Qty code TMB P-24					
$53.511 \text{ MT} @ 76145.14 \text{ MT} = 4,07,463.00$					
⑤ RCC m-30 grade in Pile cap Tank top					
Qty code TMB P-25					
$239.598 \text{ m}^3 @ 8328.921/\text{m}^3 = 19,95,593.00$					
⑥ Earthwork in excavation in tank					
Qty code TMB P-25					
$921.64 \text{ m}^3 @ 123.221/\text{m}^3 = 113506.00$					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ Breeding and keeping PCC m-15 grade					
Qty wide TMB P-25					
11.319 m ³ @ 6940.57/m ³					
					278,560.00
Substructure:-					
⑧ Breeding R.C.C m-30 mechanically mixed concrete in Abutment shaft					
Qty wide TMB P-25					
Qty 87.983 m ³ @ 8630.97/m ³					
					= 7,59,379.00
⑨ Breeding R.C.C m-30 mechanically mixed concrete in abutment shaft					
Qty wide TMB P-49					
Qty 46.9 m ³ @ 8630.97/m ³					
					= 4,04,792.00
⑩ Supplying Biting Placing HYSD bar in substructure					
Qty wide TMB P-49					
Qty 10.55 @ 76232.60/MT					
					= 8,02,980.00
⑪ Superstructure					
⑪ Supplying Biting & Fixing elastomer bearing & seismic Pad					
Qty wide TMB P-38					
Total = 131455.20 @ 1/cum cum					
					= 1,31,455.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) Proceeding 145d box in Superstructure					
Qty for specification -					
Qty of TMB P-39					
16.65m @ 7457.23/MT					
					= 12,90,825.00
(13) Proceeding 219mm Pcc / Rcc M-30					
Grade in Superstructure					
Qty of TMB P-39					
Qty 105.32m ³ @ 9500.77/m ³					
					= 10,02,622.00
(14) Proceeding M-30 Concrete in Superstructure					
Block with Stone Aggregate					
Qty of TMB P-39					
Qty - 2.305m ³ @ 9281.41/m ³ = 21,480.00					
(15) Proceeding & laying wearing coat of M-30					
Qty of TMB P-50					
21.439m ³ @ 13904.18 = 2,98,092.					
(16) Proceeding Rcc M-30 grade in levelling					
Qty of TMB P-50					
Qty 76.24 R/m @ 2196.11 = 1,67,431.2					
(17) Proceeding & laying Strip Seal Expansion joint					
Qty of TMB P-40					
Qty 26.55 R/m @ 12353.31 R/m					
					= 3,27,980

Continuation

$$C/F = 18,163,952.00$$

BF-18,163,95.00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item-18 Providing deep holes in abutment cap with 100 mm dia AC Bho					
Qty rate P-52 (TMB)					
Qty 22 Nos @ 130.85					2879.00
Item-19 Backfilling behind Abutment wing wall & return wall					
Qty rate TMB P-51					
Qty 249.19 m ³ @ 744.73/m ³					
					= 1,85,579.00
Item-20 Providing & laying Bitumender with granular					
Qty 49815 m ² @ 3199.37/m ²					
					= 1,59,267.00
Item-21 Providing RCC grade m-15 below approach slab					
Qty rate TMB P-51					
8.10 m ³ @ 7155.35/m ³					
					= 57,958.00
Item-22 Providing RCC/RCC m-30 in Approach slab					
Qty rate TMB P-51					
Qty 162 m ³ @ 12057.01/m ³					
					= 1,95,323.00
Item-23 Construction of Embankment with approved material					
Qty rate TMB P-51					
Qty 2490.41 m ³ @ 187.47/m ³					
					= 4,66,871.00

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item-24 Gravel Sub-base by of angular sub-base by Proceeding (base graded)					
Qty wide TMB P-52					
Qty 171.90 m ³ @ 3182.27/m ³					
= 5.51, 028.00					
Item-25 Proceeding & laying water bound Macadam					
Qty wide TMB P-52					
Qty 61.875 m ³ @ 2692.70/m ³					
= 28,28,485.00					
Item-26 Proceeding & laying Prime Coat with Bitumen Emul					
Qty wide TMB P-52					
Qty - 824.63 m ² @ 49.731/m ²					
= 246,009.00/-					
Item-27 Proceeding & applying Tack Coat with Bitumen Emulsion					
Qty wide TMB P-52					
Qty 824.63 @ 16.68/m ²					
= 13,755.00					
Item-28 mix Seal Surface type (B) (Proceeding & laying 10% grade Premix Asphalt)					
Qty wide TMB P-52					
Qty 824.6 m ² @ 240.93/m ²					
= 1,98,071.00					

Continuation

BF-20, 271, 493.00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item-27 Providing drainage					Skred
					Qty rate TMB P-55
	8 Nos @ 950.41				= 87603.28
Item-30 Providing & Fixing					NABARD
					information & Embank
					Qty rate TMB P-55
	2 Nos @ 11,914.00				= 23828.00
Item-31 Providing & laying Boulders					Across bed for protection against Sh
					Qty rate TMB P-56
	51.56 @ 3178.70				= 1,63,893.00
Item-32 Providing & laying Pitching					on slopes laid over filter
					media
					Qty rate TMB P-56
	25.78 m ² @ 3178.70				= 81,947.00
Item-33 Providing & laying Pitching					material underneath
					Qty rate TMB P-57
	12.86 m ² @ 3323.59				= 42,741.00
Item-34 Boundary Piles - RCC					m-15 Boundary Piles
					Qty rate TMB P-57
	100 nos @ 545				= 54,500.00
Item-35 Road Marking					Hot applied
					thermo plastic :-
					Qty rate TMB P-57
	37.7455 km @ 850.92				= 32,117.00

Continuation

Total = 2,06,78,122

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