

11113- Const. of RCC Bridge over Barak River
Between Barnagar village & meghpur village

MEASUREMENT

Schedule XLV-Form No. 134

অসম চৰকাৰৰ প্ৰশাসন বিভাগ, গুৱাহাটী

DIVISION

অসম চৰকাৰৰ প্ৰশাসন বিভাগ, গুৱাহাটী

SUB-DIVISION

Measurement Book

- 2287
6.5.20

Agency- Barak Nirman Pvt. Ltd.

Agreement No. 6815188/2019-20

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Work -	Construction of R.C.C Bridge				
	over Bakur river in between				
	Ramnagar village to neighbor				
	village in Sorband block in				
	Satanmati district under Nabard				
Agency -	Under M/S Ranveer Nirman Pvt Ltd				
Agreement No -	68/SBF/2019-20				
Date of start -	23-1-2020				
Date of completion -	22-1-2021				
Date of Measurement -					

⑧ Providing R.C.C M-30 Mechanically mixed concrete in abutment shaft and Pier shaft cap.					
Return wall -					
to the Guided Postion -					
$2 \times 2 \times 1.525 \times 4.75 \times \left[0.5 + \frac{2.255}{2} \right]$					
= 3.999 cum					
19) Providing weep holes in Abutment Cap with 100mm dia AC Pipe:-					
A ₁ Side = 11 nos					
A ₂ Side = 11 Nos					
22 NOS					
⑩ Back Filling Behind abutment wing wall & return wall, complete as Per Drawing					

Continuation and Technical Specification.

Sch. XIV Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of Cost :-					
Reference MB No - 2287 - Page 42-47					
Ref code MB No - 2286 - Page 31-32					
① Dismantling of Existing structure					
Qty wide TMB P(14)					
Qty 12.29 m ³ @ 1129.18/m ³					= 13,797.0
② Providing & laying steel liner					
10 mm thick					
Qty wide TMB P(13)					
Qty 1.00 MT @ 85,999.41/MT					= 9,331.0
③ Rcc Cast in situ m-35 grade Concrete					
marked Pipe -					
Qty wide TMB - P-15					
Qty 37800 m ³ @ 17432.741/m ³					= 65,89,576.0
④ S/F and Placing m/sd bar reinforcement					
in Foundation:-					
Qty wide TMB P-24					
53.50 MT @ 76145.14 MT					= 4,07,4603.00
⑤ Rcc m-30 grade in Pile cap Foundation					
Qty wide TMB P-25					
239.598 m ³ @ 8328.921 m ³					= 19,95,593.00
⑥ Earthwork in Excavation in Foundation					
Qty wide TMB P-25					
921.164 @ 123.221/m ³					= 1,13,506.00

Sch. XIV Form No. 134

Particulars	Details of actual measurement				Contents of area
	B.	L.	D.	D.	
⑦ Proceeding Rcc M-15 concrete					
Qty wide TMB P-25					
11.315 m ³ @ 6940.57/m ³					
					= 78,560.00
Substructure:-					
⑧ Proceeding Rcc M-30 Mechanically mixed concrete in abutment shaft					
Qty wide TMB P-25					
Qty 37.983 m ³ @ 230.97/m ³					
					= 7,59,379.00
⑨ Proceeding Rcc M-30 Mechanically mixed concrete in abutment shaft					
Qty wide TMB P-26 = 21.903 m ³					
Qty wide TMB P-34 = 21.006 m ³					
Qty wide TMB P-42 = 3.991 m ³					
Total - 46.900 m ³ @ 8630.97/m ³					
					= 4,04,792.60
⑩ Supplying, fitting & placing HYSD bars in Substructure -					
Qty wide TMB P-20 - 4.146 MT					
Qty wide TMB P-26 - 4.46 MT					
Qty wide TMB P-38 - 10.614 MT					
Qty wide P-32 m ² @ 2286 = 0.305 MT					
Total - 10.525 MT					
Total 10.525 MT @ 76292.60 = 8,02,990.00					
Superstructure					
⑪ Supplying, fitting & fixing elastomer bearing & seismic fix					
Qty wide TMB P-38					
Total = 131455.20 @ 11000					
					= 1,31,455.00/-

Continuation

Qty wide TMB P-38

Total = 131455.20 @ 11000

= 1,31,455.00/-

R/o

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) Providing & laying bar in superstructure as per specification:-					
Qty wide TMB P-39					
16.665 MT @ 77457.23/MT					
					= 12,90,825.00
(13) Providing & laying Rd RCC m-30 grade in superstructure					
Qty wide TMB P-39					
Qty 105.32 m ³ @ 9519.77/m ³					
					= 1002622.00
(14) Providing M-30 Concrete in Seismic Block with stone Aggregate					
Qty wide TMB P-39					
Qty 2.309 m ³ @ 9281.4/m ³					
					= 21,480.00
(15) Providing & laying wearing coat of M-30					
Qty wide TMB P-39 1.6999 m ³					
Qty wide TMB P-43, 4.44 m ³					
Total					26.439 m ³
Qty 26.439 m ³ @ 1390418 = 2,28,092/-					
(16) Providing RCC m-30 grade in railing					
Qty wide TMB P-39 60.44 R/M					
Qty wide TMB P-43 15.8 R/M					
					76.24 R/M
Qty 76.24 R/M @ 2196.11 = 1,67,431.00					
(17) Providing & laying Strip Seal expansion joint					
Qty wide TMB P-40					

Continuation
 = Qty 26.55 R/M @ 12353.31 R/M
 = 3,27,980/-

C/P = 18,163,952.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item-18- Providing deep holes in Abutment					
Cat. with 100mm dia AC Pipe					
Qty wide P-42 (TMB)					
Qty 22 nos @ 130.25					
					= 2879.00
Item-19 Backfilling behind Abutment					
wing wall & return wall					
Complete as per drawing:-					
Qty wide TMB P-43					
Qty 240.19 m ³ @ 744.78/m ³					
					= 1,85,579.00
Item-20 Providing & laying of					
Filter media with granular					
Qty wide TMB P-43					
Qty 49.815 m ³ @ 3199.37/m ³					
					= 1,59,377.00/-
Item-21 Providing PCC grade m-15					
below approach slab					
Qty wide TMB P-43					
8.10 m ³ @ 7156.35/m ³					
					= 57,958.00/-
Item-22 Providing PCC/RCC m-30 in					
Approach Slab:-					
Qty wide TMB P-43					
Qty 16.2 m ³ @ 12057.01					
					= 1,95,329.00
Item-23 Construction of Embankment					
with approved material from					

Continuation

Qty wide TMB P-44

Qty 2490.41 m³ @ 187.47

= 4,66,877.00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item-21) Construction of granular sub-base by spreading close graded:					
Qty wide P-45					
Qty 174.90 m ³			23	88.27	
			25	57,628.00	
Item-26) Spreading & levelling of water bound macadam					
Qty wide P-46					
Qty 61.875 m ³			369	2.70	
				2,28,485.00	
Item-25) Spreading & laying Prime coat with bitumen emulsion					
Qty wide TMB P-47					
Qty 824.63 m ²			49.73	m ²	
				= 41,009.00/-	
Item-27) Spreading and applying tack coat with Bitumen emulsion					
Qty wide TMB P-47					
Qty 824.63 m ²			16.68	m ²	
				= 13,755.00	
Item-28) mix seal surface (Type B)					
Spreading & laying rolling close graded premix carpet					
Qty wide TMB P-47					
Qty 824.63 m ²			240.98	m ²	
				= 1,98,671.00	
Total Amount-					20271,493.00

Continuation

Material Statement

E/W $\rightarrow 3113.01 \text{ m}^3$

Coarse aggregate - 29.46 m^3

Coarse sand - 104.43 m^3