

Name of Work: - Construction of 3x18.75 M. span HL RCC Bridge over Jiwachh River at Mahadeva Ghat in between Basudevpur and Supaul.

1

Name of Work -

Situation of work - At - Bahadurpur Block.

Agency by which work is executed - Sudhir Kumar Manpur, Gaya.

Date of measurement - 31.03.19.

No. and date of agreement - 77 SAB/2018-19 (NABARD)

(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.	

Estimated Cost: Rs 382,15,989.00.

Agreement Value: - Rs. 3,43,94,548.00.

Rate: - 10.00% Below from B.O.Q. rate.

Date of Start: - 05.01.2019.

Date of Completion: - 04.04.2020.

① MS Reinforcement in pile

IN ABUTMENT. A1.

2 pile p 7 (S-W Goned)

Vertical bars

25 mm ϕ bar Main bar

25 Nos $\times$ 25.13 $\times$ 3.85 = 2418.76

20 mm ϕ bar for ring.

10 Nos $\times$ 3.699 $\times$ 2.47 = 91.37

10 mm ϕ bar for stirrups.

140 Nos $\times$ 3.499 $\times$ 0.62 = 303.71

2813.84 kg

② Providing bored Cast.

in-situ RCC M35 Vertical

piles grade 1200 mm dia.

2 piles.

22.428 M.

③ Conducting Conformity testing

30 $\times$ 5.00M = 150.00 M.

31.03.19

31/3/19
A.E

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	<u>ABSTRACT OF COST.</u>				
① Reinforcement in foundation					
	V.P. $\frac{54}{①}$		110.45 t.		
			@ Rs. 58620 = 19/t.		Rs. 64,72,548:00
② Providing bored cast-in-situ					
RCC M35 vertical piles.					
1200 mm ϕ - d - d					
	V.P. $\frac{54}{②}$		672.84 M.		
			@ Rs. 16,889 = 65/M.		Rs. 1,13,64,032:00
③ Providing and constructing					
temporary island - d - d					
	V.P. $\frac{54}{③}$		2 Nos.		
			@ Rs. 236,302 = 60 each		Rs. 4,72,605:00
④ Providing and					
Constructing Service road.					
	V.P. $\frac{54}{④}$		58.00 M		
			@ Rs. 2964 = 34/m ²		Rs. 1,71,932:00
⑤ Conducting conformity testing					
	V.P. $\frac{54}{⑤}$		150 M.		
			@ Rs. 1000 = 100/M.		Rs. 1,50,000:00
⑥ Vertical pile load Testing					
(Initial Pile load Test)					
V.P. $\frac{54}{⑥}$			No.		
			@ Rs. 90,000 = 90 each		Rs. 90,000:00
⑦ Routine Pile load testing					
	V.P. $\frac{54}{⑦}$		3 Nos		
			@ Rs. 60,000 = 60 each		Rs. 1,80,000:00
⑧ Earthwork excavation in					
foundation trenches - d - d					
	V.P. $\frac{55}{⑧}$		1173.337 m ³		
			@ Rs. 120.51/m ³		Rs. 1,41,399:00
					c-o Rs. 1,90,42,516:00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.T.	
					Rs. 1,90,42,516:00
⑨	Dismantling of existing				
	structure structure d-d				
	V.P.	$\frac{55}{9}$	20.365 m ³		
	@Rs. 1099=01/m ³				Rs. 22,381:00
⑩	Boarding and laying lean				
	Concrete ^{PCC} M15 in levelling				
	course d-d				
	V.P.	$\frac{55}{10}$	20.221 m ³		
	@Rs. 6508=47/m ³				Rs. 1,31,608:00
⑪	Boarding RCC M20 in				
	pile cap in band d-d				
	V.P.	$\frac{55}{11}$	432.216 m ²		
	@Rs. 7971=09/m ²				Rs. 34,45,233:00
⑫	Reinforcement in sub-				
	structure d-d				
	V.P.	$\frac{55}{12}$	19.182 t.		
	@Rs. 58763=36/t				Rs. 11,27,199:00
⑬	Providing RCC M30 in				
	sub-structure d-d				
	V.P.	$\frac{55}{13}$	233.032 m ²		
	@Rs. 8239=79/m ²				Rs. 19,20,135:00
⑭	Providing deep holes				
	V.P.	$\frac{56}{14}$	132 Nos.		
	@Rs. 104=87 each				Rs. 13,843:00
⑮	Electrician's wiring				
	V.P.	$\frac{56}{15}$	241920 cm ²		
	V.P.	$\frac{57}{16}$	190000 "		
			431920 cm ²		
	@Rs. 1003/cm ²				Rs. 4,44,878:00
	C.O. Rs. 2,61,47,793:00				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				R.F.	
				RS. 21,43,733.00	
①6	Providing RCC M30 in				
	Solare Block d-d.				
	V.P.	$\frac{59}{3}$	4.001 m ³		
	@ RS. 8750.67/m ³			RS. 35,011.00.	
①7	Construction of embankment				
	with approved material				
	V.P.	$\frac{56}{16}$	1181.50 m ²		
	V.P.	$\frac{63}{2}$	8654.35 v		
			9835.85 m ²		
	@ RS. 147.69/m ²			RS. 14,52,657.00	
①8	Providing RCC M20 in				
	Super structure d-d.				
	V.P.	$\frac{56}{17}$	234.00 m ³		
	@ RS. 8986.54/m ³			RS. 2,102,850.00	
①9	Reinforcement in Super				
	Structure d-d				
	V.P.	$\frac{56}{18}$	36.24 t		
	@ RS. 59,846.92/t			RS. 2,168,852.00	
②0	Providing RCC M30 in				
	Wearing coat				
	V.P.	$\frac{56}{19}$	32.625 m ²		
	V.P.	$\frac{60}{7}$	6.35 v		
			38.985 m ²		
	@ RS. 12,110.21/m ²			RS. 4,72,117.00.	
②1	Providing RCC M30 grade				
	concrete in railing d-d				
	V.P.	$\frac{56}{20}$	116.00 M		
	V.P.	$\frac{60}{8}$	22.00 M		
			138.00 M.		
	@ RS. 1818.58/M.			RS. 2,52,055.00	
				c.m. RS. 3,26,31,335.00	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				S.F. Rs. 3.	38,12,819.00
(30.) Providing and painting					
flood gauge.					
	v.p.	60 (11)	1 No.		
				@ Rs. 10,000 = 00 each	Rs. 10,000 = 00
(31.) Road signs.					
	v.p.	60 (12)	2 Nos.		
				@ Rs. 8461 = 45 each	Rs. 16,923 = 00
(32.) Providing granular & 1/2-bush					
	v.p.	61 (13)	165.06 m ²		
				@ Rs. 2224 = 99/m ²	Rs. 367,257 = 00
(33.) Providing UBM Stone metal					
	80-2	61 (14)	66.195 m ²		
				@ Rs. 4196 = 42/m ²	Rs. 2,77,782 = 00
(34.) Providing UBM Stone metal					
	80-3	61 (15)	66.195 m ²		
				@ Rs. 4030 = 90/m ²	Rs. 2,66,825 = 00
(35.) Providing and applying					
primer coat					
	v.p.	62 (16)	882.60 m ²		
				@ Rs. 45 = 27/m ²	Rs. 39,955 = 00
(36.) Providing and applying					
coat					
	v.p.	62 (17)	882.60 m ²		
				@ Rs. 15 = 32/m ²	Rs. 13,521 = 00
(37.) Providing laying and					
filling of open class graded					
premixer part of 20 m thick					

C.O. Rs. 3,48,05,082 = 00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B. F.		Rs. 3. 48,05,082.00
(38) Providing seal coat d. - do					
V.P.					
(37) Continued.					
V.P. $\frac{62}{18}$			882.59 m ²		
@ Rs. 175 = 83/m ²				Rs. 1,55,186.00	
(38) Providing and applying seal coat - d. - do					
V.P. $\frac{62}{19}$			882.59 m ²		
@ Rs. 46 = 91/m ²				Rs. 41,402.00	
(39) Boundary pillar.					
V.P. $\frac{63}{21}$			66 Nos.		
@ Rs. 510 = 37 each				Rs. 33,684.00	
30%					✓
(40) Providing boulder pitching in apron - d. - do					
V.P. $\frac{64}{22}$			149.25 m ²		
@ Rs. 3163 = 83/m ²				Rs. 474,100.00	
(41) Providing boulder pitching on slopes - d. - do					
V.P. $\frac{64}{23}$			293.29 m ²		
@ Rs. 3163 = 83/m ²				Rs. 9,27,920.00	
(42) Filter media underneath pitching V.P. $\frac{64}{24}$			146.64 m ²		
@ Rs. 3380.13/m ²				Rs. 4,95,679.00	
				Rs. 2,69,330.53	
Less 10.00 % as per 48					
				Rs. 36,43,305.00	

C.G. Rs. 3,32,39,748.00

Continuation

Continuation