

COND. OF H.L BRIDGE IN CHACHRAHA TO MADHINA
ROAD OVER BACHHRAJA RIVER

(2/2)

Schedule XLV-Form No. 134

कार्यवाहक अभियन्ता

आर्चीट

JAYNAGAR

आर्चीट

DIVISION

BASOPATI

SUB-DIVISION

(1013)

MEASUREMENT BOOK

M/s. Sanjay Construction Co.

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Act. XLV—Form No. 134

Continuation

Sch. XIV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
13/7	Granular sub base with well graded materials - - do - -				
	do - - - all complete Job.				
	$2 \times 30 \times \frac{7.5 + 4.75 + 1.05}{3} \times 0.20 = 65.00$				
	$4 \times 30 \times 1.05 \times 0.00 = 97.20$				
					162.20 m ³
14/8	WBM-III. Providing, laying, spreading and compacting - -				
	do - - - all complete Job.				
	$2 \times 20.00 \times \frac{7.00 + 4.20 + 3.75}{3}$				
	$\times 0.075 = 22.43$				
	$4 \times 30 \times 3.75 \times 0.075 = 33.75$				
					56.18 m ³
15/9	Prime coat: - Providing and applying prime coat - - do - -				
	do - - - all complete Job.				
	$2 \times 30 \times \frac{7.00 + 4.20 + 3.75}{3} = 299.00$				
	$4 \times 30 \times 3.75 = 450.00$				
					749.00 m ²
16/10	Tack coat: Providing and applying tack coat with - - do - -				
	do - - - all complete Job				
	Qty same as item no-15				
					749.00 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(21)/11	mix seal surfacing: Providing laying and rolling — do — — do — all complete Job. Qty same as item no. (5). = 749.00 m ²				
(22)/12	Road marking with hot applied thermoplastic — do — do — — all complete Job. $2 \times 2 \times 90.00 \times 0.100$ = 36.00 m ²				
(23)/13	Retro-reflectors Traffic sign: providing and fixing of retro- reflectors — do — — — do — all complete Job. 2.00 nos. = 2.00 nos.				
(24)/14	Providing and fixing logo of NABARD project — do — — do — all complete Job. 1.00 no. = 1.00 no.				
(25)/15	Providing and fixing logo of citizen information — — do — do — all complete Job. 1.00 no. = 1.00 no.				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12)/27	Back filling behind abutment wing wall and return wall				
	do	do	do	do	
	complete job.				
Behind Abut.	2x	6.30x	1.55x	4.15 =	81.05
Behind L.R. wall	2x	4.00x	6.00x	4.15 =	199.20
					280.25m ³
(13)/28	Providing and laying filter media with granular				
	do	do	do	do	
	all complete job.				
Behind Abut.	2x	7.50x	0.60x	4.15 =	37.35
Behind R. Abut.	2x	1.55x	0.60x	4.15 =	15.44
					52.79m ³
(14)/34	PCC M-15 ordinary grade leveling course below approach slab				
	do	do	do	do	
	all complete job.				
	2x	3.85x	7.50x	0.150 =	7.54m ³
(15)/35	Reinforced cement concrete M-25 grade approach slab including reinforcement and formwork				
	do	do	do	do	
	all complete job.				
	2x	3.80x	7.50x	0.30 =	15.75m ³

Continuation

Particulars	Details of actual measurement				Estimate of area
	No.	L.	B.	D.	
(16)/37	Painting of parapet walls				
	providing and applying ---				
	do do do all				
	complete job				
	$2 \times 57.50 \times 1.10 =$				$126.50 m^2$
(17)/38	Providing and laying boulders				
	pitching on slopes level --- do				
	do do all complete job				
Behind Abut.	4x	3.50x	2.20x	0.30 =	9.24
Embankment slope	4x	15.00x	4.50x	0.30 =	81.00
					$90.24 m^3$
(18)/39	Providing and laying filter				
	material underneath pitching				
	in slopes --- do do				
	all complete job.				
Behind Abut.	4x	3.50x	2.20x	$\frac{0.15}{0.30} =$	4.62
Embankment slope	4x	15.00x	4.50x	0.15 =	40.15
					$44.77 m^3$
(19)/4	Construction of embankment with				
	approved material --- do				
	do do all complete job				
	60% of excavated material				
	$60\% \times (519.497 + 116.14)$				
	$60\% \times 695.937 =$				$417.56 m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(20)/5	construction of Embankment				
	with material obtained --				
	-- do -- do -- all				
	complete job				

Earth Canals

HL Bridge in charade to
Madhya over Barhara
River.

Sl. No.	Chordage (m)	Distance (m)	Area (m ²)	Mean Area (m ²)	Volume (m ³)
1	0	0	4.227	2.114	0
2	10.00	10.00	18.714	11.471	114.705
3	20.00	10.00	27.762	23.238	232.380
4	30.00	10.00	28.254	28.354	283.540

5	40.00	10.00	36.857	32.502	325.015
6	50.00	10.00	37.320	36.689	366.885
7	60.00	10.00	54.565	45.943	459.425
8	70.00	10.00	53.765	54.165	541.650
9	80.00	10.00	53.628	53.697	536.965
10	90.00	10.00	54.379	54.004	540.035
11	93.00	3.00	35.156	44.768	134.303

Gap For HL Bridge

12	144.00	0	34.896	17.448	0
13	150.00	6.00	52.214	42.555	261.330
14	160.00	10.00	11.316	31.765	317.650
15	170.00	10.00	3.641	7.479	74.785
16	180.00	10.00	5.934	4.788	47.875
17	190.00	10.00	3.716	4.825	48.250
18	200.00	10.00	6.844	5.280	52.800

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
S. No.	Length (M)	Dist. (m)	Area (m ²)	Mean Area (m ²)	Volume (m ³)
19	210.00	10.00	10.869	8.857	88.565
20	220.00	10.00	14.303	12.586	125.86
21	230.00	10.00	6.866	10.585	105.845
22	236.00	6.00	7.864	7.385	44.190
					4702.053
	WBM-III			= (-)	56.180
	GSS-1			= (-)	162.20
	subgrade & earth shoulder			= (-)	498.83
	levelling course below approach			= (-)	7.54
	Approach slab			= (-)	15.75
	Backfilling behind Abutment			= (-)	280.25
	Filter media			= (-)	52.79
	Brickwork pitching			= (-)	90.24
	Filter media under pitching			= (-)	144.77
					3493.503 m ³

29/03/2022
JE

29/03/2022
AK

Continuation

ABSTRACT OF COST 4th + Final Bill 66

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
17/1	Clearing and Grubbing				
	Road land — do —				
	— do — all complete job.				
P-59	Qty — 0.24 Hec.				
	@ Rs. 47489.00/Hec = 6838=00				
2/2	Dismantling of existing				
	Structure — do — do —				
	— all complete job.				
P-51	Qty — 60.00 m ³				
	@ Rs. 1000.79/cum = 60,047=00				
3/3	Dismantling of existing				
	structure — do —				
	— do — all complete job.				
P-51	Qty — 135.00 m ³				
	@ Rs. 228.40/cum = 30,834=00				
4/4	Construction of embankment				
	with approved material				
	— do — do — all				
	complete job.				
P-63.	Qty — 417.56 m ³				
	@ Rs. 48.810/cum = 20381=00				
5/5	Construction of embankment				
	with material obtained				
	— do — do —				
	— all complete job.				

Continuation

C=0=1,18,100=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
P-64+65	Qty -	3492.503	m ²		
	Unit -	3486.824	m ²		
	@ Rs -	174.98 / cum			6,10,124=00
15/6	Construction of subgrade and earthen shoulders — do — — do — all complete job				
P-59	Qty -	498.83	m ³		
	@ Rs -	176.62 / cum			88,103=00
17/7	Granular sub-base with well graded materials — do — do — — all complete job				
P-60	Qty -	162.29	m ³		
	Unit -	162.50	m ³		
	@ Rs -	3029.29 / cum			4,90,745=00
18/8	WBM-III, Providing, laying spreading and compacting — do — do — all complete job				
P-60	Qty -	56.18	m ³		
	@ Rs -	3757.28 / cum			2,11,118=00
19/9	Prime coat - Providing and applying prime coat — do — do — all complete job				
P-60	Qty -	749.00	m ²		
	@ Rs -	41.46 / m ²			31,054=00

Continuation

C=15,49,244=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1107/10	Tack coat:- Providing and applying tack coat				
	do	do	do	all	
	complete Job.				
P-60	Qty - 749.00 m ²				
	@ Rs. 14.05 / m ² = 10,523.00				
117/11	Mix seal curbsiding:- providing, laying and rolling				
	do	do	do	do	
	all complete Job.				
P-61	Qty - 749.00 m ²				
	@ Rs. 204.80 / m ² = 1,53,395.00				
127/12	Road marking with hot applied thermoplastic				
	do	do	do	all	
	complete Job.				
P-61	Qty - 36.00 m ²				
	@ Rs. 735.35 / m ² = 26,473.00				
113/13	Reten- electrified Traffic signs:- Providing & fixing				
	do	do	do	do	
	all complete Job.				
P-61	Qty - 2.00 nos.				
	@ Rs. 4623.70 / each = 9247.00				
124/14	Providing and fixing				
	Jugs of NABARD project				

Continuation

C.V. = 17,48,882.00

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
		do	do		
		all complete job			
P-51	Qty	4000			
P-61	Qty	2.00 m ³			
	T. Qty	2.00 m ³			
	@ Rs	10700.32 / cum			21400.64
(15)/15	Providing & fixing of logs of Cisson Intermediates				
		do	do		all
	Complete Job				
P-61	Qty	1.00 m ³			
	@ Rs	10700.32 / cum			10700.32
(16)/16	Excavation for structure as per drawing				
		do	do		all
	Complete Job				
	Qty	559.497 m ³			
	@ Rs	273.00 / cum			152703.99
(17)/17	Excavation for structure as per drawing				
		do	do		all
	Complete Job				
	3m to 6m depth				
P-52	Qty	116.44 m ³			
@	@ Rs	335.00 / cum			39043.40
					C4 = 19,73,052.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(18)/18	Paving and laying of P.C.C. 150 mm bedding course.				
	do	do	do	do	all complete
	Job.				
	15006 cum				
	Qty. 92-273 cum				
	@ Rs. 6185-00/cum = 931145-00				
(19)/19	R.C. grade 17-30 in slab foundation—do				
	do	do	do	do	all complete
	Job.				
P-52	Qty. 25238 m ³				
	@ Rs. 7312-00/m ³ = 1851236-00				
(20)/20	Bread cast in situ 17-35 grade R.C.—				
	do	do	do	do	all complete
	Job.				
P-52	Qty. 364 cum				
	@ Rs. 17293-00/m = 6293572-00				
(21)/21	Supplying, fixing and placing TMT bars—				
	do	do	do	do	all complete
	Job.				
P-53	Qty. 44-273 MT				
	@ Rs. 60834-00/MT = 2685240-00				
	C.B. = 1291685-00				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
122/22 Rce grade M-35 in substructure — do — — do — — all complete Job.					
Qty - 189.240 cum					
@ Rs. 7589.00 / cum =					14,36,142.00
123/23 Rce grade M-35 in substructure — do — — do — — all complete Job.					
Form Smt to form height					
P-53 Qty - 21.849 m ³					
@ Rs. 7719.00 / cum =					1,68,652.00
124/24 Supplying, fitting and placing TMT bar — — — — do — — do — — all complete Job.					
P-54 Qty - 23.55 MT					
@ Rs. 61017.00 / MT =					14,36,950.00
125/25 Supplying, fitting and fixing in position true to line and level P.O.T. P.T.F.F. Bearing — — do — — do — — all complete Job.					
P-54 Qty - 18 nos.					
@ Rs. 54255.66 / each =					9,76,602.00

Continuation

C-0 = 1,69,34,631.00

DATE	DESCRIPTION	QUANTITY			UNIT	AMOUNT
		NO.	IN	OUT		
12/10	Removal material in base material area					
	all complete job					
P. 01	Qty - 150000					
	@ Rs 150000 / cum = 4114500					
12/10	Removal material chamber, very well					
	all complete job					
P. 02	Qty - 150000					
	@ Rs 150000 / cum = 15000000					
12/10	Removal and base material made with granular - do -					
	all complete job					
P. 01	Qty - 50000					
	@ Rs 150000 / cum = 15000000					
12/10	Removal and base reinforced cement concrete					
	all complete job					
P. 05	Qty - 185000					
	@ Rs 88000 / cum = 15100000					
	C.C. = 188000 / RS-10					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(30)/30	Supplying, fitting and placing HYSD bar ---				
	do --- do --- all				
	Complete Job.				
P-55	Qty. 40.579 MT				
	@ Rs. 62144.00/MT =				25,21,741.00
(31)/31	Providing and laying cement concrete wearing				
	do --- do --- all				
	Complete Job.				
P-56	Qty. 28.35 m ³				
	@ Rs. 12413.00/cum =				3,51,909.00
(32)/32	Construction of RCC railing at M-25 grade ---				
	do --- do --- all				
	Complete Job.				
P-56	Qty. 115.00 m				
	@ Rs. 2734.00/m =				3,14,410.00
(33)/33	Drainage spouts complete as per --- do --- do --- all complete Job				
P-56	Qty. 20 nos				
	@ Rs. 717.00/each =				14,340.00
(34)/34	RCC M-15 ordinary grade levelling course				

Continuation

C.V. = 2,20,11,505.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	below	—	do	—	do
	— all complete job.				
P-62	Qty	7.54 m ³			
	— 1 unit = 7.538 m ³				
	@ Rs. 5857.72/cum				44155=00
135/35	Reinforced cement concrete				
	M-25 grade approach				
	Slab — do — do —				
	— all complete job.				
P-62	Qty	15.75 m ³			
	@ Rs. 11000.00/cum				173250=00
136/36	Strip seal Expansion				
	Joint — do — do —				
	— all complete job.				
P-56	Qty	33.60 m			
	@ Rs. 21586.12/m				725294=00
137/37	Painting of parapet				
	wall — do — do				
	— all complete job.				
P-63	Qty	126.50 m ²			
	@ Rs. 83.00/m ²				10500=00
138/38	Providing and laying				
	boulder pitching on				
	slope laid — do —				

Continuation

C.O = 2,29,64,704=00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
do do					
Complete Job.					
P-63 Qty - 90.24 m ³					
@ Rs. 3253.00/cum =					293551.00
39/39 Providing and laying filter material underneath--					
do do					
Complete Job.					
P-63 Qty - 44.77 m ³					
@ Rs. 3385.00/cum =					151546.00
					2,34,09,801.00
Add GST @ 12% =					28,09,176.00
Add L. cess @ 1% =					2,34,098.00
					2,64,53,075.00
Less 10% as per Agreement = (-)					26,45,308.00
					2,38,07,767.00
1st Bill payment = (-)					84,85,069.00
2nd Bill payment = (-)					74,23,309.00
3rd Bill payment = (-)					51,08,131.00
					27,91,253.00
M/s SANJAY CONSTRUCTION CO.					
Partner					
29/03/2022					
29/03/2022					

Continuation