

NABARD

VOL-2

HL R.C.C. BRIDGE OVER MANGECHAPRI. SUKHNAAR RIVER

## Schedule XLV Form No. 134.

IN BETWEEN BABUDIH PM GSY VIA NIMADIH

R. W. D. THATHA DIVISION

R. W. D. SONO SUB-DIVISION

Agreement No: 11 SBD/NABARD/23-24

# Measurement Book

SUNNY CONTRACTORS & ENGINEERS PVT LTD.

1838+1820

Name of Work-

Situation of Work-

Agency by which work is executed-

Date of Measurement-

No. and date of agreement

(These four lines should be repeated at the commencement of the measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Head:	NABARD				
Name of Work:	Construction of 14L Bridge				
Over Rangechhapri - Seethnar River between Babuoli P.M.G.Sy & 24 Niramdihi vil.					
Agency:	Sunny Contractors & Engineers Pvt Ltd				
Office:	West Ganotki Mardan, Jehanabad.				
Agreement No.:	111/SBD/NABARD/23-24,				
D.O.W -	12/12/2023				
D.O.C. -	11.12.2025				
D.O. measurement:	15/5/24				
D.O. Entry:	15/5/24				
(1) Pier laying R.C.C M-35 in Super Structure (Deck & slab) done.					
In slab: $P_3 - P_4 = S_4$ .					
(1) Longitudinal Girder: 03 nos					
(a) End Uniform Section					
$6 \times 1.35 \text{ m}^2 \times 1.270 \text{ m} = 10.287 \text{ m}^3$					
(b) Tapered Portion:					
$G \times 1.05 \text{ m}^2 \times 1.50 \text{ m} = 9.45 \text{ m}^3$					
(c) Mid Uniform Section:					
$3 \times 0.75 \text{ m}^2 \times 14.46 \text{ m} = 32.535 \text{ m}^3$					
				$c_{\text{eff}} = 52.272 \text{ m}^3$	

Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
<u>ABSTRACT OF COST</u>						
<u>8<sup>th</sup> Oct A/C BILL</u>						
<u>Head: NABARD</u>						
<u>Name of work: Construction of HL Bridge</u>						
<u>Bridge Over Manganerapri - Sukhna River</u>						
<u>between Babbari &amp; Gyanwala Nimadih village.</u>						
<u>Agency: Scindia Contractors &amp; Engineers</u>						
<u>Prv Hld, West Gandhi Maidan Jehanabad</u>						
<u>Distt: Jehanabad.</u>						
<u>Agreement No: 11/SBD/NABARD/23-24,</u>						
<u>D.O.W - 12.12.2023</u>						
<u>D.O.C - 11.12.2025</u>						
<u>D.O. measurement: 2415P24</u>						
<u>Date of entry: 2415P24</u>						
<u>I: EFW in excavation for &amp; decline</u>						
<u>do. do auc. m<sup>3</sup></u>						
<u>ii) In Ordinary soil vide TMAP MB1820P-89</u>						
<u>1199.48 m<sup>3</sup> @ Rs 186.85/m<sup>3</sup> = Rs 2,24,123/-</u>						
<u>iii) In Ordinary soen. vide TMAP MB1820P-89</u>						
<u>647.326 m<sup>3</sup> @ Rs 266.93/m<sup>3</sup> = Rs 1,72,790/-</u>						
<u>3/4; Plv &amp; laying P.C.C.M-15/levelling</u>						
<u>Course 150mm Thick. 6 below the foundation</u>						
<u>Vide MB1820 P-89</u>						
<u>60.46 m<sup>3</sup> limit 60.456 m<sup>3</sup> @ Rs 864.43/m<sup>3</sup></u>						
<u>Rs 5,22,600/-</u>						
<u>4/4: Plv R.C.C.M-30 in foundation for 8th.. /</u>						
<u>Vide MB1820 P-89</u>						
<u>516.88 m<sup>3</sup> limit 505.29 m<sup>3</sup> @ Rs 10,065.59/m<sup>3</sup></u>						
<u>Continuation Rs 50,86,082/-</u>						
<u>CIO Rs 60,05,595/-</u>						

## Sch. XLV-Form No. 134

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5: Plv 2 S.F.F. 8 M.Y.S.D reinforcement					B/F Rs 60,05,595=
5: Plv R.C.C. 4.30 m found for strands					
	Vide MB 1820 P-89				
41.80 MT @ Rs 77923.87 /MT-Rs 32,57,218=					
6/7: Plv R.C.C M-30 in Sub-structure					
(i) Upto 5.00m height					
256.084 m <sup>3</sup> wide MB 1820 P-89					
54.881 m <sup>3</sup> wide MB 1820 P-78					
34.9685 m <sup>3</sup> wide MB 1820 P-95					
345.9335 m <sup>3</sup> @ Rs 10395.95/- m <sup>3</sup>					
	Rs 35,96,307=				
(ii) Upto 5.00m to 10.00m ht.					
10.1846 m <sup>3</sup> wide MB 1820 P-89					
1.606 m <sup>3</sup> wide MB 1820 P-96					
11.7906 m <sup>3</sup> @ Rs 10,566.63 /m <sup>3</sup> - Rs 1,24,587=					
7/9: Plv 2 S.F.F. 8 M.Y.S.D bar in reinforcement					
of sub structure divide all C.Ts					
55.9924 m <sup>3</sup> wide MB 1820 P-90					
0.189 m <sup>3</sup> wide MB 1820 P-21					
0.15 m <sup>3</sup> wide MB 1820 P-22					
0.418 m <sup>3</sup> wide MB 1820 P-39					
0.2955 m <sup>3</sup> wide MB 1820 P-40 RB2					
0.2955 m <sup>3</sup> wide MB 1820 P-80 RB2					
1.3249 m <sup>3</sup> wide MB 1820 P-95					
0.209 m <sup>3</sup> wide MB 1820 P-96					
0.1477 m <sup>3</sup> wide MB 1820 P-96					
Continuation @ Rs 77923.87 /MT-Rs 45,99,223=					
59.022 m <sup>3</sup> @ Rs 77923.87 /MT-Rs 45,99,223=					
	cl Rs 1,75,82,930=				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F.Rs	1,75,82,930/-		
8/10: Plv S.F.F bearing elastomer					
in beam line & load dots					
3,45,600.00 C.C. wide P-90/NB1820					
2,30,400.00 C.C. wide P-90/NB1820					
5,76,000.00 C.C @ 1.01/C.C - Rs 5,81,760/-					
9/14: Plv R.C.C. H-35 in Super					
Structure of str. dots					
317.718 m <sup>3</sup> wide 48 P-90/NB1820					
105.906 m <sup>3</sup> wide TM B P-2					
423.624 m <sup>3</sup> @ Rs 11,22,107/m <sup>3</sup>					
Rs 48,19,613/-					
10/15: Plv S.F.F of Hyd reinforcement					
in Super structure dots all c. 3m					
72.061 m <sup>3</sup> wide NB1820 P-90					
7.3942 m <sup>3</sup> wide NB1820 P-89					
2.3188 m <sup>3</sup> wide P-98/NB1820					
7.901 m <sup>3</sup> wide P-99/NB1820					
12.2292 m <sup>3</sup> wide P-41/TM B					
101.9042 m <sup>3</sup> @ Rs 78367.44/m <sup>3</sup>					
Rs 79,85,971/-					
11/16: Plv R.C.C. H-30 in wearing					
Course due to site					
33.75 m <sup>3</sup> wide NB1820 P-91					
11.25 m <sup>3</sup> wide TM B P-2					
45.00 m <sup>3</sup> @ Rs 15637.48/m <sup>3</sup> - Rs 703,687/-					
110 Rs 3,16,73,961/-					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F	Rs 3,16,73,961/-
14/21: Plv & laying of 8trib seal expansion					
Jointing cost acc. JTB					
8.50m wide M/B 1820 P-91					
25.50m wide TMB P-2					
34.00m @ Rs 14167.90/m - Rs 4,81,709/-					
15/21: Plv work holes in abut					
ment-2 R/Han cost do acc. JTB					
129 Nos wide M/B 1820 P-91					
129 nos wide TMB P-2					
258 nos @ Rs 153.69 each - Rs 39,652/-					
16/29: clearing 2 qm boulders					
do. do curv 100 wide M/B P-91/4B1820					
0.169 Ha @ Rs 75573.34/Ha - Rs 12,772/-					
17/31: Construction of embankment					
4500.00 m <sup>3</sup> wide M/B 1820 P-91					
506.00 m <sup>3</sup> wide TMB P-4					
5000.00 m <sup>3</sup> @ Rs. 231.19/m <sup>3</sup> - Rs 11,55,950/-					
18/32 Plv & Construction of sub					
grade with good soil					
wide TMB P-4					
353.25 m <sup>3</sup> @ Rs 207.91/m <sup>3</sup> - Rs 73,444/-					
19/33 Providing filter media underneath					
of boulder pitch do acc. JTB					
wide TMB P-5					
105.00 m <sup>3</sup> @ Rs 1538.38/m <sup>3</sup> - Rs 1,61,530/-					

c/o Rs 3,35,99,018/-

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B/R P 3,35,99,018 = w
20/24 PLV Borden staking en afstande naar dw do arlo JB.					
	$4 \times 20.00m \times (13.00m + 9.00m + 7.00m + 6.00m) \times 0.30m$				
					$= 210.0043$
					Vide TNB P-5
210.0043 @ P 4489.71 / M <sup>3</sup>					Rs 9,42,839 = w
Add GST to L.C. = 19% (T)					Rs 65,62,953 = w
S.F. (T)					1,77,016 = w
					Rs 4,12,81,826 = w
Less 0.03% below C.R. Rs					12,385 = w (-)
					Rs 4,12,69,441 = w
Less already Paid					
Vide MB 1820 P. 93					Rs 3,31,16,000 = w G
diff. 30141/24					Rs 81,53,441 = w
(All) 24/10sf/24					Limit as per allotted - 7-54,40,000 = w
JE Rund sona					24/15/24 AE
					CFP
					14.52M
					EE

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>S.F. Calculation.</u>					
(1) P.C.C. H-1.5 levelling Course					
60.456 m <sup>3</sup> @ Rs 114.18/m <sup>3</sup> - Rs	6903=0				
(II) R.C.C. M-30 in foundation					
505.29 m <sup>3</sup> @ Rs 109.27/m <sup>3</sup> - Rs	55,213=0				
(III) R.C.C. M-30 in slab-sh.					
357.7241 m <sup>3</sup> @ 109.27/m <sup>3</sup> - Rs	39,089=0				
(IV) R.c.e. M-30 in S/S.					
423.64 m <sup>3</sup> @ 109.27/m <sup>3</sup> - Rs	46,289=0				
(V) N.C.					
45.00 m <sup>3</sup> @ Rs 109.27/m <sup>3</sup> -	4917=0				
(VI) filter media					
105.00 m <sup>3</sup> @ Rs 82.91/m <sup>3</sup> - Rs	8685=0				
(VII) Boulders & patches					
210.00 m <sup>3</sup> @ Rs 75.81/m <sup>3</sup> - Rs	15,920=0				
					1
					Rs 1,77,016=0
(VIII)					
<u>RECEIVED</u> <u>JER RWD</u> <u>SDM</u>					
<u>Material statement update.</u>					
(I) E/W = 6692.56 m <sup>3</sup>					
(II) S/Chess = 1252.88 m <sup>3</sup>					
(III) C. Sand = 626.4 m <sup>3</sup>					
(IV) of Boulders : 378.0043					
(V)					
<u>RECEIVED</u> <u>ZULFIKAR</u>					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>S.F. Calculation.</u>					
(1) P.CC M-15 levelling Course					
60.456 m <sup>3</sup> @ R <sub>s</sub> 114.18 m <sup>3</sup> - R <sub>s</sub>					6903=0
(1) R.CC M-30 in founders					
505.29 m <sup>3</sup> @ R <sub>s</sub> 109.27 m <sup>3</sup> - R <sub>s</sub>					55,213=0
(1) R.C.C M-30 in sub-sh.					
357.724 m <sup>3</sup> @ 109.27 m <sup>3</sup> - R <sub>s</sub>					39,089=0
(1) R.CC M-30 in S/S,					
423.624 m <sup>3</sup> @ 109.27 m <sup>3</sup> - R <sub>s</sub>					46,289=0
(1) N.C.					
45.00 m <sup>3</sup> @ R <sub>s</sub> 109.27 m <sup>3</sup> - R <sub>s</sub>					4917=0
(1) fallen trees					
105.00 m <sup>3</sup> @ R <sub>s</sub> 82.91 m <sup>3</sup> - R <sub>s</sub>					8685=0
(1) Boulder patch					
210.00 m <sup>3</sup> @ R <sub>s</sub> 75.81 m <sup>3</sup> - R <sub>s</sub>					15,920=0
					1,77,016=0
(1) <u>241574</u> JE RND SOM					
<u>Material statement up to date.</u>					
(1) E/W = 6691.56 m <sup>3</sup>					
(1) S/Chas = 1252.88 m <sup>3</sup>					
(1) C. Saw = 626.4 m <sup>3</sup>					
(1) 1/4 Boulder : 378.0043					
(1) <u>241574</u>					