

(NABARD) Rohit Raj Cons.

Schedule XLV-Form No. 134

Nandaniya do Sonamane

Executive Engineer
C.W.D., Works Division

Baist (Pune)

DIVISION

BATISA

SUB-DIVISION

Measurement Book

623

06/SBD/2018-19/09/5/2018

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 measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>At RA/C Bill.</u>					
Name of work :- Const. of Road from Mandaniya to Sonamuni Under MMGSY NABARD					
Name of Agency :- Sri Rohit Raj.					
At - Navratan Mata, P.S. - K. Hat.					
Near Pakki Talab, Dist. Pyurba.					
Agreement No. - 06 SBA/2018-19					
Agreement value					
Const. Cost Rs. 15969396.00					
Maint Cost Rs. 9141492.00					
Total Cost Rs. 168835452.00					
Date of Commencement - 10.03.18					
Date of Completion - 09.03.19					
Date of measurement - 18.05.18					
<u>Details.</u>					
① clearing and grubbing of Road land as per spec.					
33x30.0x3.00 = 2970.00m ²					
1x29.0x3.00 = 87.00m ²					
57x30.0x3.00 = 5130.00m ²					
Link Road.					
6x30.0x3.00 = 540.00m ²					
Continuation 30.00m ²					
1x10.0x3.00 = 8757.00m ²					
or 0.88 Hec.					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4th and Final BCD.					
Name of Work :- Const. of Road from Nandaniya to Sonamoni Under MMS-5 NABARD					
Name of Agency :- Shri Rohat Raj, At-Narvatan Hata, P.S. - K. Hat, Near Pakki Talab, Dist- Purnea.					
Agreement No. :- 06 SBA/2018-19					
Agreement Value :-					
Const. Cost Rs. 159,69,396.200					
Maint. Cost Rs. 91,41,992.00					
Total Cost Rs. 1,68,83,545.200					
Date of Commencement - 10.3.18					
Date of Completion - 09.3.19					
Record measurement.					
① Earth Work in excavation for foundn. of structure.					
7.0 x 0.70 x 0.60 = 2.94 m ³					
② Laying first class bedding on well					
Compacted Sand.					
7.50 x 0.30 x 0.250 = 0.56 m ³					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ P/V and laying					
Reinforced cement					
Concrete pipe 403					
300 mm dia.					
axis $1 \times 3 \times 2.50 = 7.5 \text{ m}$					

Earth Work Calculation Sheet

Ch. length	Fill Area	Mean Area	Fill Qty
0	3.126		
50 50	2.853	2.990	149.500
100 50	3.044	2.949	142.450
150 50	3.002	3.023	151.150
200 50	1.583	2.293	114.650
250 50	1.656	1.620	81.000
300 50	1.719	1.688	84.400
350 50	1.884	1.802	90.100
400 50	1.732	1.811	90.550
450 50	1.733	1.735	86.750
500 50	1.735	1.734	86.700
550 50	1.633	1.684	84.200
600 50	1.735	1.684	84.200
650 50	2.874	2.305	115.250
700 50	2.781	2.828	141.400
750 50	2.725	2.753	137.650
800 50	3.240	2.983	149.150

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) P/V and fixing of mandatory and informative sign.					
(i) 600mm equilateral triangle.					
			1.0 M.		
(ii) 600mm x 450mm. Rectangular plate sign board.					
			1.0 M.		
(13) const. of cement concrete pavement door-gate all comp.					
CH: - 0.249 to 0.509.					
15 x 15 x 3.75 x 0.160 = 135.00 m ³					
1 x 10.0 x 3.75 + 4.70 x 0.160 = 6.76 m ³					
1 x 10.0 x $\frac{4.70 + 3.75}{2}$ x 0.160 = 6.76 m ³					
1 x 15.0 x 3.75 x 0.160 = 9.00 m ³					
CH: - 2.009 to 24.59					
1 x 15.0 x 3.75 x 0.160 = 9.00 m ³					
1 x 12.0 x 3.75 x 0.160 = 7.20 m ³					
8 x 15.0 x 3.75 x 0.160 = 72.00 m ³					
1 x 3.0 x 3.75 x 0.160 = 1.80 m ³					
Link Road.					
1 x 15.0 x $\frac{4.70 + 3.75}{2}$ x 0.160 = 10.14 m ³					
8 x 15.0 x 3.75 x 0.160 = 72.00 m ³					
1 x 9.0 x $\frac{3.75 + 4.00}{2}$ x 0.160 = 5.58 m ³					
1 x 9.0 x $\frac{4.00 + 3.75}{2}$ x 0.160 = 5.58 m ³					
1 x 15.0 x 3.75 x 0.160 = 18.00 m ³					
1 x 7.0 x 3.75 x 0.160 = 4.20 m ³					
					363.02 m ³
	29/06/19				
	J.E				
		29/06/2019			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract of Cost 4th and Final Bill</u>					
① clearing and grubbing 3 of Road land as per spec.					
0.88 Hec. vide TMBN. (623) page 38/1					
CRs. 47874 = 12 1/2 per Hec					
					Rs. 42129200
② Const. of Reference 1 & Working Bench mark.					
2.921 K.m vide TMBN. (623) page 38/2					
CRs. 3386 = 57 1/2 per K.m.					
					Rs. 9892200
③ Const. of Reference 2 Pillars/Burpees					
2.921 K.M. vide TMBN. (623) page 38/3					
CRs. 1594 = 01 1/2 per K.m.					
					Rs. 4656200
④ P/V and Fixing of 28 MMCSY Informatory Sign board with logo.					
1.0 N. vide TMBN. (623) page 38/4					
1.0 N. vide TMBN. (623) page 52/10					
2.0 N.					
CRs. 8735 = 56 1/2 per Hec.					
					Rs. 17471200
					Rs. 74148200

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.E.Rs. 74148200
⑤ Dismantling of existing structures like convert and another structure					
① plain cement concrete					
23 0.60 m ³ vide TMBN. (623) page 39/5(i)					
@ Rs. 454205/2 per m ³					
					Rs. 272200
② Stone/Brick masonry					
24 17.33 m ³ vide TMBN. (623) page 39/5(ii)					
					@ Rs. 328210/0 per m ³
					Rs. 5686200
③ Hume pipe up to 600 mm dia.					
25 50 Rm vide TMBN. (623) page 39/5(iii)					
@ Rs. 163247/0 per m.					
					Rs. 817200
④ Earth work in excavation for structure.					
14 84.75 m ³ vide TMBN. (623) page 39/6					
2.94 m ³ vide TMBN. (623) page 45/1					
87.69 m ³					
@ Rs. 274 = 80/2 per m ³					
					Rs. 24097200

Continuation

Rs. 105020200
1 1

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.E. Rs. 1050		20200
⑦ P.V.F.C.C. M.S. in 15 foundry.					
7.83 m ³ vide TMBN. (623) Page 39/7					
@ Rs. 6703 = 71/2 per m ³					
					Rs. 52490200
⑧ Brick masonry 16 Work in cement mortar in subse					
79.35 m ³ vide TMBN. (623) Page 40/8					
@ Rs. 6493 = 07/2 per m ³					
					Rs. 515, 225200
⑨ Bedding below pipe 20 3 6.60 m vide TMBN. (623) Page 40/9					
0.56 m ³ vide TMBN. (623) Page 45/2					
7.16 m ³					
@ Rs. 210 = 32/2 per m ³					
					Rs. 1505.00
⑩ P.V. and laying 22 Reinforced cement Concrete pipe HP3					
22.50 m vide TMBN. (623) Page 40/10					
@ Rs. 3791 = 97/2 per m					
					Rs. 85, 319200
					Rs. 759, 560200

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					G.F. Rs. 759560.00
⑪ 15 P.V. and laying Reinforced cement Concrete pipe MP3 300mm dia.					
7.50 m ³ vide TM BN (623) Page 46/9					
@ Rs. 1219 = 05/2 per m ³					
					Rs. 91432.00
⑫ 17 Brick masonry Work in cement mortar (1:3) on perpet.					
8.928 m ³ vide TM BN (623) Page 40/11					
@ Rs. 4191 = 37/2 per m ³					
					Rs. 369942.00
⑬ 18 plastering with Cement mortar (1:4) on brick work.					
62.40 m ² vide TM BN (623) Page 41/12					
@ Rs. 201 = 52/2 per m ²					
					Rs. 125752.00
⑭ 19 Back filling behind abutment side of Hume pipe.					
81.30 m ³ vide TM BN (623) Page 41/13					
@ Rs. 653 = 65/2 per m ³					

Continuation Rs. 531422.00

Rs. 871,394.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.F. Rs. 759560200
15 Const. of embankment with approved material. from Roadway cutting 24.750 m ³ vide TMBN. (623) Page 41/14 @ Rs. 35 = 88 1/2 per m ³					
					Rs. 888200
16 Excavation for roadway in soil. using material. means for carrying of cut earth, to embankment 24.750 m ³ vide TMBN. (623) Page 41/15. @ Rs. 118 = 08 1/2 per m ³					
					Rs. 2922200
17 Const. of embankment with approved material. with 1000 m lead. 3423.47 m ³ vide TMBN. (623) Page 42/17 1304.396 m ³ vide TMBN. (623) Page 49/14 4727.866 m ³ @ Rs. 134 = 25 1/2 per m ³					
					Rs. 634,716200
					Rs. 1398086200

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.F. Rs. 1398086200
(18) Const. of embankment.					
7 With approved material.					
With 100 m lead.					
850.42 m ³ vide TMBN (623) Page 42/17					
357.108 m ³ vide TMBN (623) Page 49/5					
1207.53 m ³					
1181.97 m ³ Limit as per agreement.					
@ Rs. 116 = 08/2 per m ³					
					Rs. 137203200
(19) Const. of granular.					
8 Sub-base by providing					
well graded material.					
2144.240 m ³ vide TMBN (623) Page 42/18					
@ Rs. 3406 = 48/2 per m ³					
					Rs. 730431200
(20) P/V laying, Spreading					
9 and Compacting of					
WBM Gravel - III					
829.75 m ³ vide TMBN (623) Page 42/19					
@ Rs. 4310284/2 per m ³					
					Rs. 3574919200
					Rs. 12416519200

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F. Rs 12416519200	
②1 10 P/v and applying primer coat with bitumen emulsion (S.S-1)					
8810.46 m ² vide TMBN. (G23) Page 51/6					
8790.79 m ² Limit as per agreement					
@Rs. 46243/2 per m ²					
				Rs. 408156200	
②2 11 P/v and applying Tack Coat with bitumen emulsion (R.S-1)					
8810.46 m ² vide TMBN. (G23) Page 51/7					
8790.79 m ² Limit as per agreement					
@Rs. 12290/2 per m ²					
				Rs. 113401200	
②3 12 P/v laying and rolling of close graded premix Surface material of 20mm thick.					
8810.46 m ² vide TMBN. (G23) Page 52/8					
8790.79 m ² Limit as per agreement					
@Rs. 20560/2 per m ²					
				Rs 1807386200	
Continuation					
Rs. 14745462200					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B. F. Rs. 1474.546200
(24) Reinforced cement					
21 Concrete M 15 grade					
(i) ordinary Kilometer					
21 Stone.					
3.0 N. vide TMBN. (622) Page 52/9 (i)					
@ Rs. 1826 = 82 1/2 per Nos.					
					Rs. 5480200
(ii) 200m Stone.					
24 12.0 N. vide TMBN. (623) Page 52/10 (ii)					
@ Rs. 548 = 91 1/2 per Nos.					
					Rs. 6,527200
(25) Const. of Cement					
13 Concrete Pavement.					
90-- 90-- all Comp. Job.					
363.02 m ³ vide TMBN. (623) Page 53/23					
@ Rs. 7714 = 99 1/2 per m ³					
					Rs. 2800696200
(26) Reinforced cement					
27 Concrete M 15 grade					
Boundary pillars.					
58.0 N. vide TMBN. (623) Page 52/10					
@ Rs. 455 = 26 1/2 per Nos.					
					Rs. 26405200
					Rs. 175,84,570200

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.F. Rs 17584570200
(27) P/V and Fixing of mandatory and Informatory Sign.					
(i) 600mm equilateral triangle.					
1.0 N. vide M.B.N. (623) Page 53/12(i)					
Rs. 2769296/2 per Nos.					
					Rs. 2770200
(ii) 600mm x 450mm rectangular plate					
29(b) Rectangular plate					
Sign board.					
1.0 N. vide T.M.B.N. (623) Page 53/12(ii)					
Rs. 3729268/2 per Nos.					
					Rs. 3725200
					Rs 17591065200
less 10% below as per agreement (-)					Rs. 1759107200
					Rs. 15831958200
less previous payment vide P.N. (43) (-)					Rs. 11066353200
					Rs. 4765605200
29/06/19 J.E.					29/06/2019 A.P.
certified that the item work has been done as per specification and direction of E/T concern.					
29/06/19 J.E.	Continuation				29/06/2019 A.P.
					10/07/2019

CONTRACTOR ALL RISK INSURANCE POLICY			Engg 04
SCHEDULE			
Policy No: 5004/205709363/00/000 (TRUE COPY)		Issued At: Mumbai Date: 20/09/2020	
A) Name & Address of the Insured :		ROHIT RAJ AC OF RWD WORK DIVISION BAISI PURNIA At Navratan Hata Ps K Hat Near Pakkai Talab Purnia Bihar Pin- 854315	
B) Name & Address of the Principal :		RWD WORK DIVISION BAISI PURNIA BAISI,PURNIA,PURNIA,BIHAR,854315	
C) Name & Address of the Contractor :		ROHIT RAJ Same as Mailing Address of Insured	
D) Intermediary Details:		Agency Code1: ILG42133 Agency Name: TEJNARAYAN KUMAR Agent's mobile no.: 7004088071 Agent's E-mail ID : tej.123@gmail.com	
Hypothecation Details		As per Annexure attached	
E)Site of Construction/Storage:		CONSTRUCTION AND FIVE YEAR MAINTAINENCE OF ROAD FROM NANDIA TO SONAMNI--UNDER MMGSY NABARD IN BLOCK BAISI DISTT PURNIA----854315----BIHAR--PURNIA	
F) Period of Insurance :		From: 20/09/2020 Time: 00:00 Hours To Midnight of 19/09/2021 +24 months of extended maintenance/maintenance period	
Premium Break Up		(Rs.)	Premium (Rs.)
*Total Premium		(Rs.)	11,455.44
*Premium value mentioned above is inclusive of taxes applicable			
G) Nature of Project		Road bridges on land made of	



ICICI Lombard General Insurance Company LTD
ICICI LOMBARD HOUSE, 414, Veer Savarkar Marg,
Near Siddhi Vinayak Temple, Prabhadevi, Mumbai 400 025

Description of Project Works:

Road bridges on land made of,
Rcc Or Pre-Stressed Concrete

Insured Items	Sum Insured
Section I- Material Damage	
a).Contract work (Permanent and temporary including all material to be Incorporated therein)	
1) Contract price	
2) Materials or item supplied by the principal	
b).Any Other sworks, & installation not included in 1 and 2 above (eg camp,colony,store etc as per list enclosed)	
Total for Section I	Rs. 16,883,545.00
Section II - Third Party Liability	
Limit of Indemnity	
a) For any one accident	
b) For all accidents during the period	

H) Deductibles for Section I and II -

a) For Normal Claims -	5.00% of claim amount subject to minimum of Rs. 7,000,000.00
b) For Act of God Claims -	10.00% of claim amount subject to minimum of Rs. 28,000,000.00
c) Third Party Liability Excess	
I. Bodily Injury Claims	Nil
II. Property Damage Claims	The Policy Excesses (Normal) should apply for Third Party Liability Property Damage Claims. For Third Party Liability claims arising out of Acts of God Perils, the Excess applicable to AOG claims should apply.

I) Additional Covers :

S. No.	Endorsement Description	Limit of Indemnity	Deductible
1	Earthquake Cover(Full cover)	16,883,545.00	Applicable as per Section - I
2	Extended Maintenance Cover	16,883,545.00	Applicable as per AOG excess

J) Clause

- 1 In the event of total loss claim being honored, the claimed amount will be paid after deducting the unpaid premium installments
- 2 Subject to End 16/n - Extended Maintenance Cover attached herewith
- 3 Subject to End 27 - Safety measures with respect to precipitation flood and inundation attached herewith
- 4 Subject to End 24 - Contract works time schedule attached herewith
- 5 Subject to End 23 - Existing underground cables
- 6 Subject to End 22 - Crop, forests, cultivated areas attached herewith
- 7 Subject to End 20 - Piling Construction attached herewith
- 8 Subject to End 5 - Concerning storage attached herewith.
- 9 Subject to Subject to End 32 - Terrorism Damage Exclusion attached herewith.
- 10 Subject to End 13 - Earthquake inclusion attached herewith
- 11 Policy shall stand canceled ab intio in the event of non-realization of the premium

K) Condition :

- 1 All property on the site of nuclear power station whether related to generation of nuclear energy or not, are excluded from scope of this insurance
- 2 Communicable Disease Exclusion Endorsement (Part 1 of 2)
- 3 Communicable Disease Exclusion Endorsement (Part 2 of 2)
- 4 ROADEXCESS

L) Warranty

- 1 Warranted that Project Location is 2 Kms far away from all sorts of water bodies
- 2 Warranted that there is 24 hrs security at the project site as well as at storage site.
- 3 Warranted that there are sufficient de-watering facilities at the project site as well as at storage site.
- 4 Warranted that policy start date declared in this proposal is same as start date of commencement of work or date of arrival of the first consignment at the site of construction/ erection.
- 5 Losses prior to the inception of this policy are excluded from cover.
- 6 Warranty concerning construction material
- 7 Outright Defect Exclusion DE 1 attached herewith

Subject otherwise to terms and conditions of **Contractor All Risks** Insurance Policy

In witness whereof the undersigned acting on behalf and under the Authority of the Insurer that hereunder set his hand at Mumbai on this day 20-09-2020 .



Authorised Signatory
ICICI Lombard General Insurance
Company Ltd.

GSTIN Reg. No: 10AAACI7904G1Z2
IL GIC GSTIN Address : Second UMA Complex Frazer Road Patna Bihar 800001
HSN/SAC code : 9971 - GENERAL INSURANCE SERVICES

The stamp duty of Rs. 0.50 /- paid in cash or by demand draft or by pay order, vide Reciept/challan no. CSD5120201648 dated 23/07/2020 .