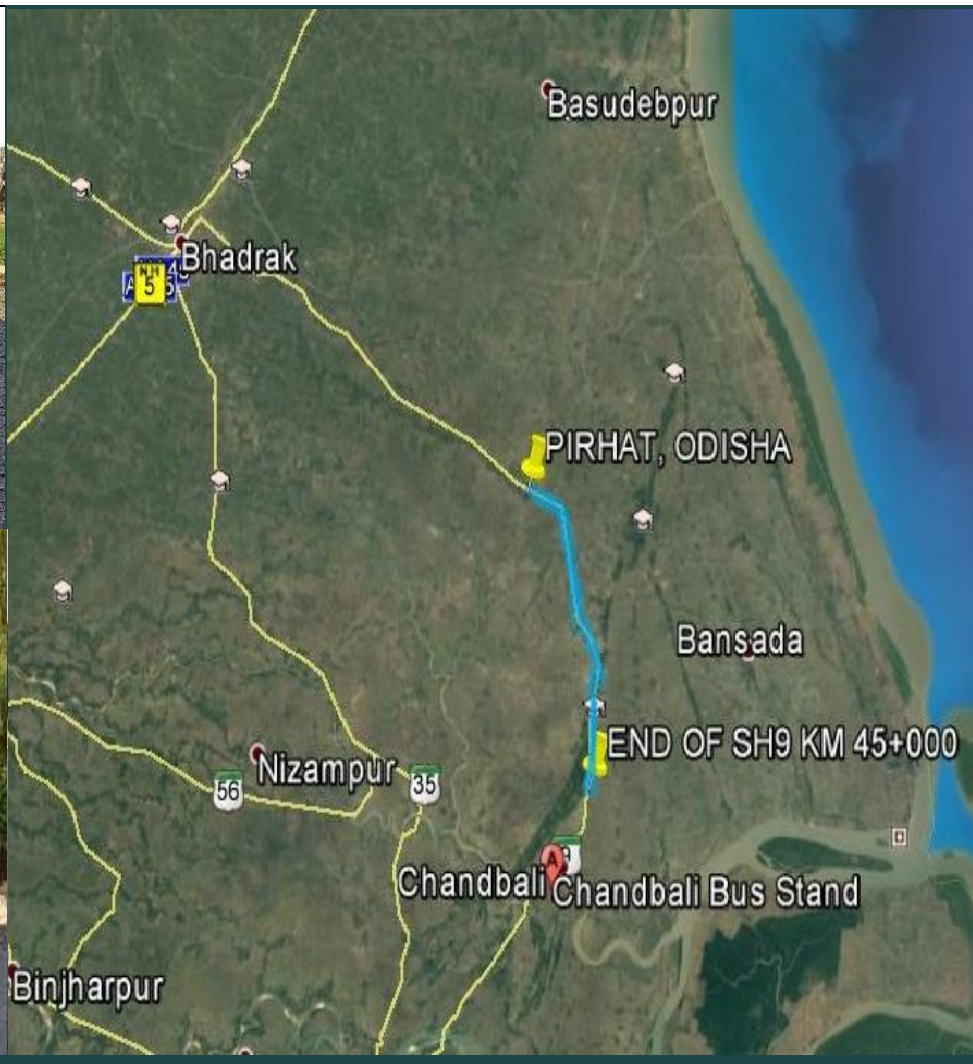
GOVERNMENT OF ODISHA WORKS DEPARTMENT
ODISHA STATE ROADS PROJECT

MONTHLY PROGRESS REPORT

Construction Supervision for the balance work of Widening of Strengthening of Existing Carriage Way to 2 lane road from Pirhat-Chandbali (27/500 Km to 45/000 Km of SH-09 (Balance Work) of Odisha State Roads Project

ICB Package OSRP-Bal-P02B under Civil Works Agreement No.- 05 of 2016-17



LEA Associates South Asia Pvt. Ltd., New Delhi

July, 2018

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CHAPTER 1.
EXECUTIVE SUMMARY

Chapter 1. Executive Summary

1.1 PROJECT BACKGROUND

The **Odisha Works Department (OWD)** has a medium to long-term comprehensive programme to rehabilitate, upgrade and expand the road network throughout the state to improve accessibility, connectivity and enhance the overall development. It is the pre-eminent state level road authority in Odisha which deals with issues relating to Feasibility Study and preparation of Detailed Project Report including the Route Selection, even for relatively low volume roads.

The **Government of Odisha** has secured a loan from **International Bank for Reconstruction and Development (The World Bank)** towards the cost of **Widening and Strengthening of existing carriageway to 2-lane for Chandbali–Bhadrak–Anandpur Road Project (99 Km).**

Chandbali – Bhadrak – Anandpur Road Project is part of 925 km of roads under **Phase-I** which is a Section for promoting trade and regional integration between districts by improving transport communication. The project road **Chandbali – Bhadrak – Anandpur** is a part of the Phase-I road development, which was built several years ago with two lane configuration and currently serves moderate level of traffic. The project involves widening of the existing road which has an average **carriageway width of 5.5 m to 7.9 m and 1.5m**. **Earthen shoulder** on both sides, **to a 7.0 m carriageway, 1.5m paved shoulders, 1.5m saucer drain** on either sides in built-up area **and 7.0 m carriageway, 1.5m paved shoulders, 1.5m earthen shoulders** on either sides in open area (flat and rolling sections). The expected outcome of the project include reduced transportation time of goods and better connectivity between districts along with improved safety standards; reduced transit time for import and export goods via port.

1.2 THE PROJECT

The Pirhat-Chandbali (SH-9) section from Km. 27/500 to Km. 45/000 is a part of Jagatpur–Kendrapada–Chandbali–Bhadrak 152 Km. project corridor. There are total 22 numbers of minor bridges, 12 numbers of Box culverts, 7 numbers Pipe culverts which are **to be Newly Constructed** and 11 numbers Box Type Minor Bridges, 3 numbers of Box culverts, 2 numbers of Pipe Culverts & 3 numbers Rehabilitation Structures for which **Balance work to be done.** In Pirhat-Chandbali section, about 15% of the road length passes through built up area.

The total length of the project road is 17.500 Km. The road passes completely through plain terrain. Full length of the road is located in the District of Bhadrak. This stretch passes through major human settlements as Gadi, Kherango, Nalgonda, Digachhiabazar, Motto and Mahulia.

The **location map** of the project road is shown below in Figure 1-1;

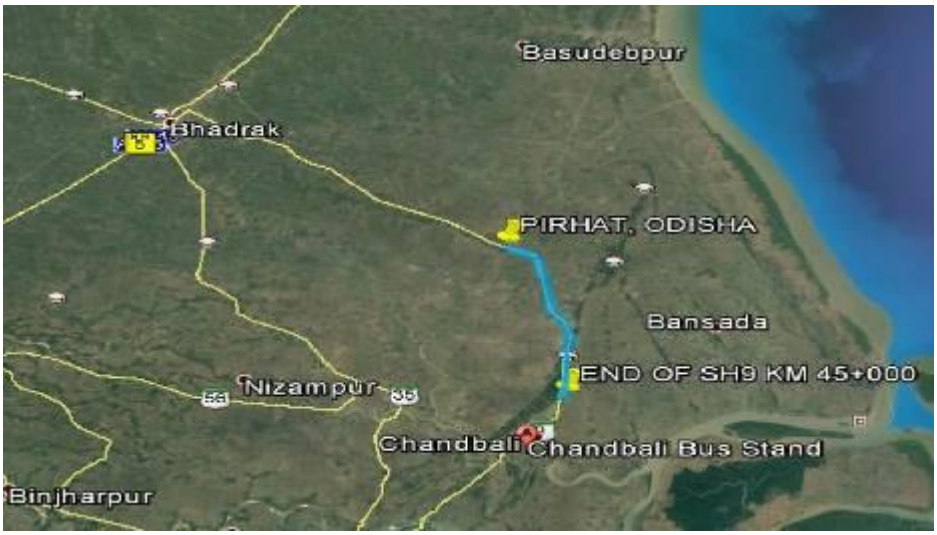


Figure 1-1: Location Map

1.3 CONTRACT MANAGEMENT FRAME WORK

1.3.1 Employer

Mr. Om Prakash Patel, Chief Engineer, DPI & Roads, I/c World Bank Projects, Odisha
On behalf of Works Department, Government of Odisha

1.3.2 Employer' Representative

Executive Engineer (R&B) Division, Bhadrak for SH-09
(On behalf of World Bank Projects, Work Department, and Government of Odisha).

1.3.3 Engineer

Resident Engineer
Lea Associates South Asia Pvt. Ltd.
B1/E-27, Mohan Co Operative Industrial Estate Mathura Road, New Delhi-110 044
Site Office- Kalyani Nagar, P.O.-Gelpur, District-Bhadrak,Odisha, Pin-756781
Email: lasa.bhadrak@lasaindia.com

1.3.4 Contractor

M/s. NKC Projects Pvt. Ltd.
India Office: Plot No. 73, Udyog vihar Phase-IV, Gurgaon, Haryana- 122017,
Tel: +91-124-4952929, Fax: +91-124-2340017, E-mail: rohit@nkcproject.com
Project Manager– Mr.J.K.Sahoo

Site Office – Camp site near -Km.37+450 RHS (SH-09)
Village: - Itua, **Dist.** Bhadrak
Email: nkcp02b@gmail.co

1.4 PROJECT DETAILS

- Contract Value : Rs. 104,23,29,840/-
- Period of Construction : 18 months (14 months from commencement of works for Section-I of 10 km from Ch. 27+500 to Ch. 37+500 and 18 months from commencement of works for Section-II of 7.5 km from Ch. 37+500 to Ch. 45+000)
- Date of Commencement of Work : 16th November.'2016
- Scheduled Date of Completion : 15th May.'2018
- Progress Achieved till end of July'2018 : 58.74%
  - (Excluding 5% Mobilization advance, Escalation & Bitumen Variance)

1.5 SALIENT FEATURES

1.5.1 Highways

- Total Length of Project Corridor (SH 9) : 17.500 Km.
- Type of Carriageway : Flexible 16.300 Km., Rigid - 1.200 Km
- Roadway Width : 12m.
- Carriageway Width : 7m with paved shoulder of 1.5m width On either side shoulder = Total 10m
- Bus Bays and Bus Shelter : 13 Nos.
- Junctions : 9 Nos. (T-Junction 7 Nos. +Y-Junction 2 Nos.)

1.5.2 Structures

S. No.	Structures Type	No. s
A.	**New Construction**	
1	Minor Bridges	20
2	Box Culverts	11
3	Hume Pipe Culverts	05
4	Utility Duct with Hume Pipe Culverts	11
5	Rehabilitation and Widening of Bridges	03
	Total	**50**
B	**Balance works to be done**	
1	Minor Bridges	11
2	Box Culverts	3
3	Hume Pipe Culverts	2
4	Utility Duct with Hume Pipe Culverts	0
5	Rehabilitation and Widening of Bridges	0
	Total	**16**
	Grand Total	**66**

- **Note:- 6 No.s of Structures cancelled (Minor Bridge 3 No.s, Box Culvert 1 No. and Hume Pipe 2 No.s**

1.5.3 Crust Details

- Flexible Pavement

SG	500 mm.
GSB	200 mm.
WMM	250 mm
DBM	75 mm.
BC	40 mm.
Total Crust Thickness	**1065 mm**

- Rigid Pavement

SG	500 mm.
GSB	150 mm.
DLC	150 mm.
PQC	300 mm.
Total Crust Thickness	**1100 mm**

1.6 MILESTONES

The project corridor has been divided into two sections for completion of work. Detail of sections are furnished below.

Section Name	Period of completion.	Delay damages for non completion
Section – I (10 Km)	14 (Fourteen) Months from commencement of work.	Rs. 2,50,000/- per day of delay
Section – II (7.5 Km)	18 (Eighteen) Months from commencement of work.	Rs. 0.05% of final contract price - per day of delay

Scheduled time of completion: - 18 (Eighteen) months from the date 16.11.2016.

CHAPTER 2.
PHYSICAL PERFORMANCE AND PROGRAMME OF WORK

Chapter 2. Physical Performance and Programme of Work

This road work was earlier awarded to M/s Corsan Corviam Constructions S.A. They had executed 17 nos. of structures out of 66 nos. Practically no work was done for highway portion. This Contract was terminated and the balance work was awarded to M/s. NKC Projects Pvt. Ltd. The following statement shows the work executed till now in order to appreciate the physical progress for the Package: P02B (Pirhat to Chandbali).

2.1 PROGRESS OF ROAD WORK

S. No.	Description of Item	Side	Length in Km.	Status of Progress in Km.				Re-marks
				Com-pleted length(Up to pre-vious Month)	Com-pleted length (This Month)	Total Com-pleted length	Net bal-ance	
1	Earthwork in Embankment	LHS	17.500	15.640	0.135	15.775	1.725	
		RHS	17.500	15.630	0.265	15.895	1.605	
2	Subgrade	LHS	17.500	14.780	0.645	15.425	2.075	
		RHS	17.500	15.160	0.460	15.620	1.880	
3	GSB	LHS	17.500	14.780	0.645	15.425	2.075	
		RHS	17.500	15.100	0.500	15.600	1.900	
4	WMM	LHS	16.300	13.460	0.645	14.105	2.195	
		RHS	16.300	13.450	0.875	14.325	1.975	
5	DBM	LHS	16.300	12.670	1.220	13.890	2.410	
		RHS	16.300	12.560	1.330	13.890	2.410	
6	BC	LHS	16.300	0.000	0.000	0.000	16.300	
		RHS	16.300	0.000	0.000	0.000	16.300	
7	DLC	LHS	1.200	1.200	0.000	1.200	0.000	
		RHS	1.200	1.200	0.000	1.200	0.000	
8	PQC	LHS	1.200	1.200	0.000	1.200	0.000	
		RHS	1.200	1.200	0.000	1.200	0.000	

2.2 PROGRESS OF CD WORKS AND STRUCTURE

Sl. No.	Structure Type	Total Nos.	Taken up to in Previous Con-tract.	To be Taken Up In New Contract	Side	Completed & In Pro-gress			Balance Nos. to be tak-en up	Remarks
						No. Com-pleted	No. In Pro-gress	Total		
1	Minor Bridge	31	11	20	B/S	16	03	19	01	
2	Box Culvert	14	03	11	B/S	10	01	11	00	

3	HP Culverts	07	02	05	B/S	05	00	05	00	
4	Rehabilitation & Widening	03	00	03	B/S	00	00	00	03	
5	Utility	11	00	11	B/S	09	01	10	01	
Total		**66**	**16**	**50**	**B/S**	**40**	**05**	**45**	**05**	

2.3 PROGRESS IN QUANTITIES

S. No.	Description	Unit	Total Quantity as per BOQ	Quantity Executed			Balance Quantity to be executed as per BOQ	Remark
				Up to Previous Month	During the Month July'18	Total		
1	Excavation	Cum	62639.00	23361.37	2026.61	25387.98	37251.02	
2	Earthwork in Embankment	Cum	221148.00	128176.45	866.15	129042.60	92105.40	
3	Subgrade	Cum	140925.00	19933.19	0.00	19933.19	120991.80	
4	GSB	Cum	49778.00	38951.43	734.58	39686.01	10091.99	
5	WMM	Cum	45973.00	33412.50	1550.26	34962.76	11010.24	
6	DBM	Cum	12603.00	9805.65	956.25	10761.90	1841.10	
7	BC	Cum	6722.00	0.00	0.00	0.00	6722.00	
8	DLC	Cum	1890.00	1890.00	0.00	1890.00	0.00	
9	PQC	Cum	3780.00	3780.00	0.00	3780.00	0.00	

S. No.	Description	Unit	Total Estimated Quantity	Quantity Executed			Balance Quantity to be executed as per Estimation	Remark
				Up to Previous Month	During the Month July'18	Total		
VO- 1	Subgrade (with 55% morrum & 45% sand)	Cum	121576.81	87051.73	3023.63	90075.36	31501.45	Variation Submitted to employer vide letter no. LASA/RE/P02B /73466/109, dated- 30-05-2017, Approval awaited from OWD

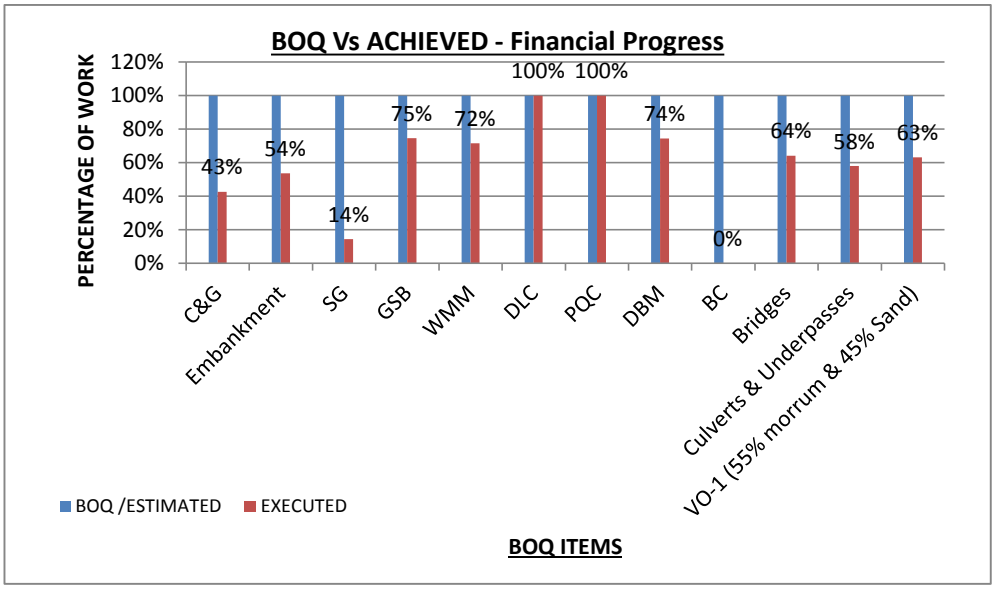


Figure 2-1: Percentage of Financial Progress for Major BOQ Items.

PIE CHART

Pie chart showing the weight age of major construction items is shown in BOQ.

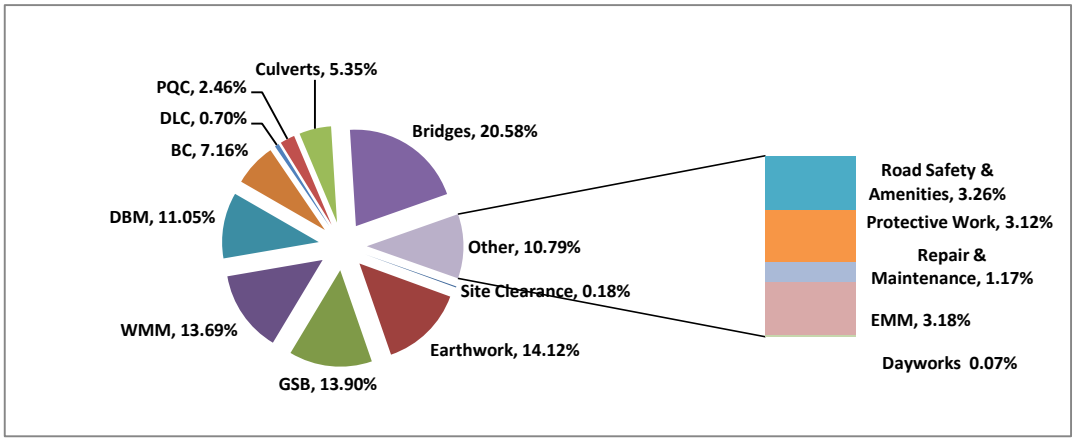
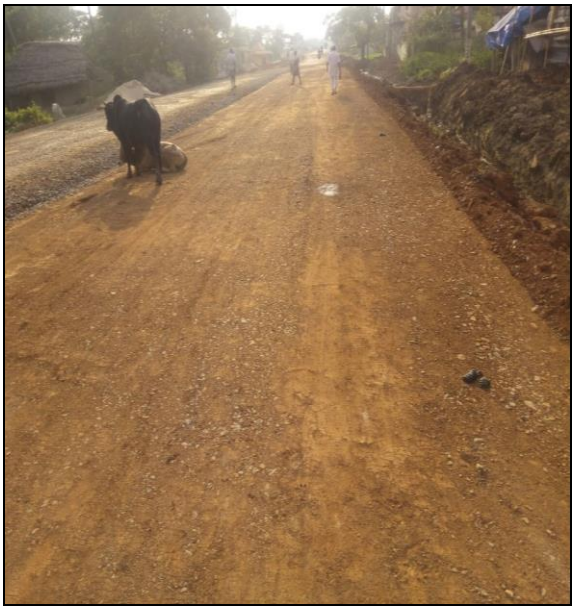


Figure 2-2: Weightage of Major Construction Items

SITE PHOTOGRAPHS

GSB is in progress at Ch. 30+150 LHS



Subgrade top layer is in progress at Ch. 27+720 LHS

Slab Casting is in progress at Ch. 28+109

Slab Casting is in progress at Ch. 42+476

2.4 ROUTINE MAINTENANCE

As per Contract, the Contractor is required to maintain the portion of the road which has been handed over to him. The maintenance work is being done by the Contractor as per the site requirement.

2.5 PROGRAMME OF WORK

A Detailed Work Programme indicating the anticipated timing of each stage of construction (Cl.8.3 Specific Provisions) has been submitted by the Contractor vide letter no. NKC/OSRP/P02B/2016-17/11/04, dated 29th Nov.2016. However the submitted programme targets are not yet achieved on site. The revised work programme including the shortfall quantities is to be prepared and same has to be submitted. The Contractor has not submitted the revise programme yet. He has submitted the individual month wise planned quantities and same were taken for the July' 2018 (Planned Vs. Achieved) and same is being presented below;

Planned V/s Achieved (July'18)						
S. No.	**Description**	**Unit**	**Planned for July'18 (B/S) (m)**	**Achieved in July'18 (B/S) (m)**	**Shortfall in July '18 (B/S) (m)**	**Remark**
Road Work						
1	C & G	Hect.	0.00	0.00	0.00	
2	Embankment	Cum.	3341.25	866.15	2475.10	
3	Excavation	Cum.	0.00	2026.61	Nil	
4	Subgrade	Cum.	4425.40	3023.63	1401.77	
5	GSB	Cum.	3483.00	734.58	2748.42	
6	WMM	Cum.	5583.60	1550.26	4033.34	
7	DBM	Cum.	933.75	956.25	Nil	
8	BC	Cum.	0.00	0.00	0.00	
9	Saucer Drain	Lm.	533.00	234.00	299.00	
10	DLC	Cum.	0.00	0.00	0.00	
11	PQC	Cum.	0.00	0.00	0.00	
Structure Work						
1	Minor Bridge	Nos.	02	02	Nil	
2	Rehabilitation & widening	Nos.	-	-	-	
3	Box Culvert	Nos.	01	01	Nil	
4	HP Culvert	Nos.	00	00	00	
5	Slab Culvert	Nos.	-	-	-	
6	Utility Duct	Nos.	00	00	00	
7	Reptile underpass	Nos.	-	-	-	
Miscellaneous work						
1	Road Marking & Signages and Structure quantity	-	0.00	0.00	0.00	

The plan for the month of July'18 was of Rs. 2.45 Cr. and the achieved progress (work done) is of Rs.2.36 Cr. Thus shortfall in progress for the July'18 is 0.09 Cr. However, the envisaged target as per work programme is of Rs. 104.23 Cr. while, the cumulative progress achieved till July'2018 is Rs. 61.22 Cr. with the cumulative shortfall of Rs.43.01 Cr.

S. No.	Planned Amount (July'18)	Achieved Amount (July'18)	Shortfall
1.	2.45 Cr.(as per work programme)	2.36 Cr.	0.09 Cr.

2.6 'TIME ELAPSED' V/s 'BALANCED TIME'

A chart showing the '*Time Elapsed'* since the commencement date of the Project i.e. from 16th Nov.'2016 to till 15th May'18 and the '*Balance Time'* is Nil to till the completion by 15th May.'18 is given below in Figure 2-2.

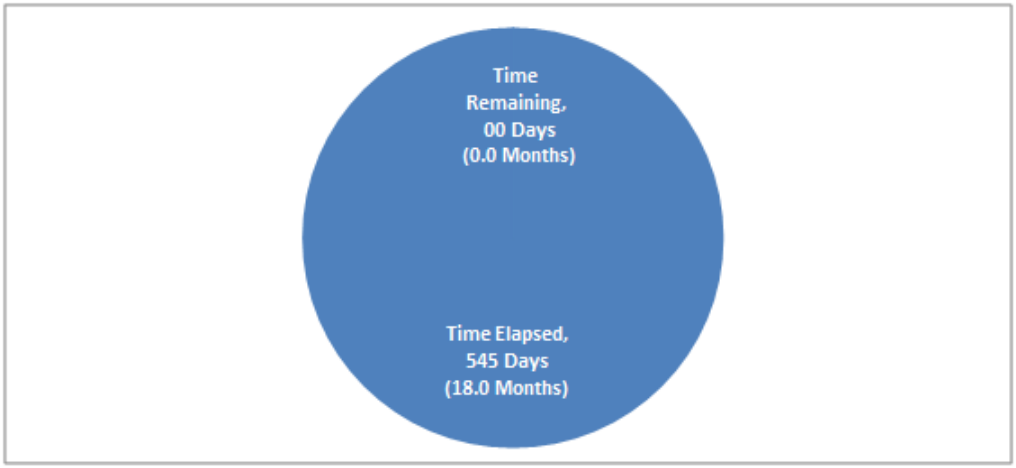


Figure 2-2: Time Elapsed Vs Time Remaining
Total Duration of the Project (Construction Phase) - 545 Days (18 Months)

2.7 'WORK DONE' V/s 'BALANCE WORK'

A chart showing the '*Work Done'* since the commencement date of the Project i.e. from 16th Nov.'2016 to till July'18 and the '*Balance Work'* from July'18 to till the completion by 15th May.'18 is given below in Figure 2-3.

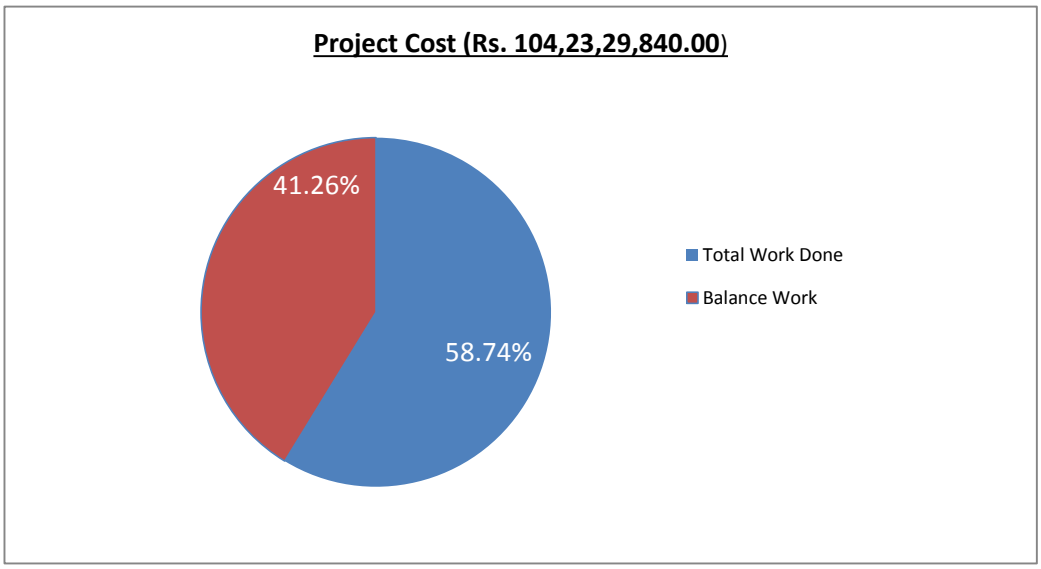


Figure 2-3: Work Done Vs Balance Work
Total Cost of the Project (Construction Phase) – Rs.104,23,29,840

2.8 FORECAST FOR NEXT MONTH

The contract of M/s. NKC Projects Pvt. Ltd had been terminated under Clause 15.2 of General Conditions of Contract by the Chief Engineer, DPI & Roads, Odisha vide letter no.PMU-WB-48/2017-24771,Dated 27.07.2017. Later, Contractor taken stay order from Odisha High Court on the termination by the Chief Engineer, DPI & Roads, Odisha

The work programme for the August'2018 has been given by the Contractor

Forecast for August'2018;

Sl. No.	Description (Major Items)	Unit	Quantity remaining to be Executed by end of July'18 as per BOQ	Quantity Planned to be Executed during August'18 (As per Contractor's Work Programme for Balance work of SH09)	Approx. Cost of Work plan (Rs. in Lakh)	Remarks
1	Excavation	Cum	37251.02	0.00	0.00	
2	Earthwork in Embankment	Cum	92105.40	15003.00	25.65	
3	Sub grade	Cum	120991.80	2861.25	1.97	
4	GSB	Cum	10091.99	0.00	0.00	
7	WMM	Cum	11010.24	0.00	0.00	
8	DBM	Cum	1841.10	0.00	0.00	
9	BC	Cum	6722.00	2450.00	76.05	

10	DLC	Cum	0.00	0.00	0.00	
11	PQC	Cum	0.00	0.00	0.00	
12	Saucer drain	Lm	3166.00	300.00	0.11	
13	Concrete (M-15)	Cum	3254.00	22.00	1.31	
14	Hume Pipe laying	LM	385.52	0.00	0.00	
15	Reinforcement	MT	159.77	24.00	16.72	
16	Concrete (M 20/25/30/35)	Cum	6071.00	400.00	29.70	
			Total (a)		151.51	
			With other misc. items (e.g. C&G, diversion, day work, excavation for structure etc.) total planned Amount of August'2018 (b)		93.49	
			Total Planning for August'2018 (Highway & Structure),(a)+(b)		**245.00**	

2.9 STATUS OF EXTENSION OF TIME

Contractor could not complete the work of Section-I & II within the stipulated time of Contract and had sought EOT for both the Sections. After review and scrutiny, the same was rejected by the Engineer for Section-I. Employer, further for recovering the delay damages from the Contractor for delay in completion of Section-I served notice of claim to the Contractor, but it cannot be processed as the matter is still subjudiced under the Hon'ble High Court.

Later, Contractor sought EOT for Section-II as well in the month of July 2018, which after review and scrutiny Engineer has submitted with their observations to the PMU for their further action.

CHAPTER 3.
FINANCIAL PERFORMANCE

Chapter 3. Financial Performance

3.1 FINACIAL PROGRESS

Financial Progress achieved up to end of July'2018 is furnished below;

1. Contract Price – INR 104,23,29,840
2. Value of work done – INR 61,22,46,171
3. Mobilisation Advance – INR 5,21,16,492
4. Recovery against Mobilisation Advance – INR 5,21,16,492 (upto IPC-19)
5. Material Advance – INR 1,06,22,046 (upto IPC-19)
6. Recovery against Material Advance – INR 1,06,22,046 (upto IPC-19)
7. Total (2+3+5-4-6) – INR 61,22, 46,171

Percentage of Financial Progress – 58.74% (Excluding 5% Mobilization advance, Escalation & Bitumen Variance)

3.2 MONTH WISE FINANCIAL PROGRESS

Month wise financial progress on work proper excluding Escalation and advances is furnished in below.

Table 3-1: Month wise Financial Progress

S. No.	Month	During the month		Cumulative	
		Cost of Work Executed	% w.r.t. Contract Price	Cumulative Cost of Work	% w.r.t. Contract Price
1	30-Nov.-16	7,51,822/-	0.07%	7,51,822/-	0.07%
2	31-Dec.-16	49,82,314/-	0.48%	57,34,134/-	0.55%
3	31-Jan.-17	1,48,69,639/-	1.43%	2,06,03,773/-	1.98%
4	28-Feb.-17	1,36,83,341/-	1.31%	3,42,87,114/-	3.29%
5	31-Mar.-17	2,12,73,800/-	2.04%	5,55,60,914/-	5.33%
6	30-Apr.-17	4,63,59,789/-	4.45%	10,19,20,703/-	9.78%
7	31-May-17	2,36,05,139/-	2.26%	12,55,25,842/-	12.04%
8	30-June-17	2,22,81,835/-	2.14%	14,78,07,677/-	14.18%
9	31-July-17	85,36,155/-	0.82%	15,63,43,832/-	15.00%
10	31-Aug.-17	1,47,01,742/-	1.41%	17,10,45,574/-	16.41%
11	31-Sep.-17	2,02,44,130/-	1.94%	19,12,89,705/-	18.35%
12	31-Oct.-17	1,59,87,945/-	1.53%	20,72,77,650/-	19.89%
13	31-Nov.-17	2,21,55,810/-	2.12%	22,94,33,460/-	22.01%
14	31-Dec.-17	5,13,84,018/-	4.93%	28,08,17,478/-	26.94%
15	31-Jan.-18	4,69,68,606/-	4.51%	32,77,86,085/-	31.45%
16	28-Feb.-18	3,29,98,374/-	3.16%	36,07,84,459/-	34.61%
17	31-Mar.-18	3,18,61,788/-	3.06%	39,26,46,247/-	37.67%
18	30-Apr.-18	8,42,42,585/-	8.08%	47,68,88,832/-	45.75%
19	31-May-18	6,26,47,730/-	6.01%	53,95,36,562/-	51.76%
20	30-June-18	4,91,17,450/-	4.71%	58,86,54,012/-	56.47%
21	31-July-18	2,35,92,159/-	2.27%	61,22,46,171/-	58.74%

3.3 MOBILIZATION ADVANCE

Item	Net Amount Paid (Rs.)	Cumulative Amount Paid (Rs.)	Remarks
1st Mobilisation Advance	2,60,58,250/-	2,60,58,250/-	Recommended by Engineer.
2nd Mobilisation Advance	2,60,58,242/-	5,21,16,492/-	Recommended by Engineer.
Total :		**5,21,16,492/-**	
Amount of Advance recovered up to IPC-19 (in INR):		5,21,16,492/-	
Balance amount to be recovered (in INR):		**Nil**	

3.4 STATEMENT OF IPC

Sl. No.	IPC No.	Month	Gross Amount of IPC (Rs. In millions)					Recover-ies	Net Amount Paid	Cumulative of Net Amount Paid	Cumulative Gross Amount of IPC
			Value of BOQ Item	Value of Non BOQ Item	Escala-tion	Secured Advance	Gross Amount				
1	02	Nov-16 & Dec-16	5.734	-	0.160	-	5.894	1.118	4.776	4.776	5.894
2	03	Jan.-17	14.870	-	0.412	-	15.282	3.515	11.767	16.543	21.176
3	04	Feb.-17	13.683	-	0.449	-	14.132	3.556	10.576	27.118	35.308
4	05	March-17	21.274	-	1.237	5.056	27.567	4.555	23.012	50.130	62.875
5	06	April-17	46.360	-	2.753	5.567	54.680	13.905	40.774	90.904	117.554
6	07	May-17	18.750	4.855	0.410	-	24.015	11.607	12.408	103.313	141.570
7	08	June-17	21.424	0.858	1.278	-	23.560	6.807	16.752	120.065	165.130
8	09	July-17 & Aug.-17	22.807	0.431	1.033	-	24.270	6.087	18.183	138.248	189.400
9	10	Sep.-17	18.098	2.146	0.793	-	21.037	4.377	16.660	154.908	210.437
10	11	Oct.-17	13.566	2.422	0.670	-	16.658	3.738	12.920	167.828	227.095
11	12	Nov.-17	21.307	0.849	1.001	-	23.157	4.904	18.254	186.082	250.252
12	13	Dec.-17	45.919	5.465	2.676	-	54.060	11.864	42.196	228.279	304.312
13	14	Jan.-18	44.973	1.995	3.037	-	50.005	10.856	39.149	267.428	354.317
14	15	Feb.-18	26.673	6.325	2.217	-	35.215	7.843	27.372	294.800	389.532
15	16	Mar.-18	25.870	5.992	-	-	31.862	7.255	24.607	319.407	421.394
16	17	Apr.-18	75.299	8.944	9.403	-	93.646	21.107	72.539	391.946	515.040
17	18	May.-18	53.465	9.182	-	-	62.647	13.254	49.393	441.339	577.687
18	19	June.-18	37.510	2.560	-		40.069	9.587	30.482	471.821	617.757

CHAPTER 4.
STATUS OF RISK

Chapter 4. Status of Risk

4.1 HANDING OVER OF SECTION

The Section-I of the road from Ch. 27 + 500 to Ch. 37+500 had been handed over by the Employer on 27.10.2017 and was informed vide CSC's letter No. LASA/RE-P02B/73477/03, dated 09-11-2017 & the Section-2 of the road from Ch. 37 + 500 to Ch. 45+000 had been handed over by the Employer on 01.03.2017 and was informed vide to Employer by CSC's letter No. LASA/RE-P02B/73477/79, dated 07-03-2017. The Contractor needs to examine and provide acceptance of receiving encumbrance free land or inform the Employer, with details of encumbrances if any within two weeks of the handing over date.

Contractor has informed regarding the encumbrances, which after the scrutiny, Engineer has submitted it to PMU for further action.

The handing over details are appended as below-

Sl. No.	SH No.	Chainage			Land Acquisition Status	R&R Status	Electrical Utility Status	PH/ RWSS Utility Status	Remarks
		From (Km.)	To (km.)	Length in (km.)					
1	SH-09	27+500	37+500	10.000	Free	02	0	0	
2	SH-09	37+500	45+000	7.500	Free	0	0	0	
Total				**17.500**					

4.2 STATUS OF UTILITY SHIFTING

	Encumbrances (Within the Roadway)	Number Existing till last Month	Number Removed During July'18	Balance Remained for Removal
Section-I	Trees	0	0	0
	Electric poles	0	0	0
	R & R	2	0	2
Section-II	Trees	2	0	2
	Electric poles	0	0	0
	R & R	1	0	1
Total	**Trees**	**2**	**0**	**2**
	Electric poles	**0**	**0**	**0**
	R & R	**3**	**0**	**3**

Note: -As instructed by PMU, Telephone poles can be removed by Contractor immediately during or before the execution of work. Therefore Telephone Poles no longer remain the encumbrances.

4.3 ANY OTHER ISSUE

- The 'Contract Agreement was signed on 14th Oct.'2016 for the balance work of Pirhat-Chandbali Section of SH9. The work programme was prepared and submitted by the Contractor But, the submitted programme targets could not be achieved. The revised work programme for the shortfall quantities is to be prepared and has to be submitted. The Contractor has not yet submitted the revised programme. He has submitted the individual

months wise planned quantities and this has been taken for the June' 2018 (Planned Vs. Achieved).

- The work planned for July'18 was for Rs.2.45 Cr. while, the achieved work done is Rs. 2.36 Cr. (with a short fall is 0.09Cr.). However, the envisaged target as per work programme is of Rs. 104.23 Cr. while, the cumulative progress achieved till July'2018 is Rs. 61.22 Cr. with the cumulative shortfall of Rs.43.01 Cr.
- The Contractor could not achieve the planned progress as per individual work programme given in July'18. mainly due to ongoing monsoon rains.

4.4 RISK INVOLVED

- The progress has been slow during the month mainly due to the ongoing monsoon rains. This will further delay the completion of work.

CHAPTER 5.
ENVIRONMENTAL MONITORING AND SAFETY

Chapter 5. Environmental Monitoring and Safety

5.1 ENVIRONMENT MANAGEMENT PLAN

Sl. No.	Environmental Issue/ Aspect	Management Measures
1	Tree Cutting	No Tree cutting is being done by the forest department along with a NGO during this month.
2	Joint Field Verification	*The Contractor and Engineer has to carry out joint field verification to ascertain the possibility of saving Environment and Community resources and for finding any environment and safety issues during work-:* The Joint Field Verification was done on 10.03.2016.
3	Location and Installation of Crushers, Hot Mix Plants and Batching Plants	Already installed at Chandikhol at the time of Package-P04B and same will be utilised for Package-P02B. Concrete Batching Plant & Plant for WMM has been erected at SH09 base camp. Contractor has to submit relevant documents.
4	Construction Camp(s) – Selection, Design and Layout	Contractor has submitted his proposed location plan and it is approved by the Engineer. Still documents related to EMP are awaited from Contractor.
5	Construction Vehicles, Equipment and Machinery	*The Contractor shall maintain a record of Pollution under control (PUC) certificates for all vehicles at site office:-* PUC certificates of most of the construction vehicles, equipment and machineries have been submitted to Engineer.
6	Identification, Operation and Rehabilitation of Borrow Areas	The Contractor has identified some of the soil borrow areas no. 3, 4, 5, 9, 13, 14, 15, 17, 19 & 20 at Ch. 28+600, Ch. 33+105, Ch. 37+380 and Ch. 44+780, Ch. 37+350, Ch. 89+900, Ch. 26+500, Ch. 39+260, Ch. 28+650 and Ch. 39+750 of SH-09 and submitted documents for approval of borrow areas and documents for remaining borrow area have yet to be submitted to the Engineer for approval of Borrow Areas. Rehabilitation of Soil Borrow Areas no. 3 and 5 have been done.
7	Identification, Operation and Rehabilitation of Stone Quarry	The Contractor has obtained Stone Quarry Lease on 15.02.2016 for 5 years in Anjira mouza and Consent to Operate on 07.12.2016 valid up to 31.03.2020. Rehabilitation work of the quarry has yet to be started.
8	Identification, and Operation of Sand Quarry	The Contractor has yet to obtain lease of sand quarry. Sand is being procured from third party supplier.
9	Arrangement for Construction Water	As per the Central Ground Water Authority (CGWA) guidelines, there are two categories of area. (i) Notified area and (ii) Non-notified area. For notified areas, permission/approval is required while for non-notified areas only NOC is required for abstraction of ground water more than 100 m3/day. Now this location comes under non-notified area. Therefore permission/approval for extraction may not be required. Also as the extraction quantity is less than 100 m3/day. Therefore NOC is also not required as per previous notification. But as per new notification published by CGWA dated 04.01.2017, NOC is required also as the extraction quantity is less than 100 m3/day. The Contractor has yet to obtain NOC.
10	Clearing and Grubbing	Only ground cover necessary for works is being removed.
11	Stripping, Stacking and Preservation of Top Soil	The Contractor has started stripping, stacking and preservation of top soil at borrow area site and submitted the photographs and

Sl. No.	Environmental Issue/ Aspect	Management Measures
		RFI's.
12	Labour Camp Management	*Contractor shall submit the location, lay-out, basic facilities of labour camp:-* Labour camp has been constructed by Contractor with basic amenities at base camp (Km 37+500) of SH-09. The potable water is being providing by Contractor in office, laboratory and camp area. *Provision of toilets/mobile toilets separate for women with sewage system and adequate water supply:-* Toilets are being constructed at base camp. These are being cleaned up regularly. Sewage system also being cleaned up
13	Transportation of Construction Materials and Haul Road Management	*Vehicles shall be covered during transportation of materials and maintained haul roads:-* Vehicles are not covered most of the times during transportation of construction materials. Though haul roads is being maintained during transportation at camp area of SH-09.
14	Worksite Safety Management	*Work site proper safety management shall be arranged:-* Though safety arrangement is being done at site but it needs to be improved further. *Temporary diversion has to be arranged: -* Diversion has been arranged at site wherever it is required. *Traffic safety has to be arranged as per Traffic Management Plan:* The Contractor has submitted Traffic Management Plan and arranged traffic safety as per plan. *Adequate PPEs to be provided to labourers and warning signage to be installed in high risk area:-* PPEs have been provided to labourers but its implementation needs to be improved. Warning signages are inadequate in under construction and high risk area. *Precautions for electrical cables, wires and equipments:-* The Contractor has taken precautions for electrical cables, wires and equipment at base camp SH-09. *Readily available First-Aid kits:-* The contractor has arranged first aid kit at base camp. *The Contractor shall take precautions to prevent danger due to mishap:-*The Contractor has yet to submit the Construction Safety Plan and it needs to be implemented.
15	Accessibility	*The Contractor has to provide safe convenient passage for affected road side users:-* No obstruction reported from road side users.
16	Disruption to Other Users of Water	*The Contractor shall not obstruct water bodies:-* No obstruction reported.
17	Labour Requirements	*Local labours shall be employed preferably:-* Local labourers are engaged for construction work.
18	Pollution Management	*Pollution management has to be done in conformance with EMP:-* *Dust suppression measures needs to be applied during the construction activities*; Water sprinkling is being done to supress dust generation at site. Pollution monitoring is yet to be scheduled half yearly by Contractor through a NABL accredited agency. *Waste will not be released into water bodies and drainage systems:-*

Sl. No.	Environmental Issue/ Aspect	Management Measures
		No waste water is being discharged directly into the water bodies. *Dispose the fuel, lubricants and chemical wastes as per guide-lines of SPCB/MoEF:-* Used and waste oil ha to be disposed-off through authorised recy-cler. The used and waste oil generates in very less quantity at base camp. The Contractor so far has stocked the waste oil at base camp at SH09. *Noise level shall be maintained of all construction vehicles, ma-chineries and equipment:-* The Contractor has maintained vehicles, machineries and equip-ments and obtained PUC certificates of most of the vehicles and machineries engaged in construction work.
19	Drainage and Flood Control.	*Pre monsoon activities have to be done:-* *Contractor had cleaned up the channels wherever it is required before onset of monsoon. The clearing operation still being carried out whenever it is required to maintain the proper drainage*
20	Slope Protection and Control of Soil Erosion	*Slopes have to be protected with stone pitching and grass:-* Slope protection work has not started yet.
21	Waste Management	*Contractor has yet to identify waste disposal sites:-* The Contractor has yet to be arranged separate garbage bins for garbage collection in camp area and yet to be identified site for waste disposal at SH-09 and submit Waste Management Plan to the Engineer for approval.
22	Chance Found Archaeological Property.	No archaeological property found at site. If it is found, all archaeo-logical property shall be of Government.
23	Demobilisation and Decom-missioning	The Contractor shall clean up the area or temporary structures after completion of work as per the approved waste management plan. Demobilisation and Decommissioning has not started as project is in progress.

5.2 ROAD SAFETY

Though, barricading with bamboos and sand bags with reflective sticker and caution tape at site is being done, but hard barricading and more sign boards are required in construction zones in con-formance with codes & specifications.

More Helmets, safety jackets, safety shoes, gumboot, nose mask and goggles etc. to be provided to the workers and these are required to be used regularly and adequately during construction activities.

CHAPTER 6.
VARIATION AND CHANGES

Chapter 6. Variation and Changes

6.1 SUMMARY OF CHANGE ORDER

Since the commencement of the Project in 16th Nov.'2016, 1 no. Variation has been initiated by the Contractor.

S. No.	Item No.	Description of Item	Unit	BOQ Qty.	Variation Qty.	Revise BOQ Qty.	BOQ Amount	Revise BOQ Amount	Varia-tion Qty. (%)	Varia-tion Amount (%)
1.	VO-1	Morrum (55%) & Sand (45%)	Cum	Nil	121576.81	Nil	Nil	-	100	8.28
	Cost of Change (Revised BOQ Amount – BOQ Amount)							**8,62,95,216**		
	Total % over Contract Amount for all proposals							**8.28%**		

CHAPTER 7.
QUALITY CONTROL AND QUALITY ASSURANCE

Chapter 7. Quality Control and Quality Assurance

7.1 TESTS CONDUCTED

Following tests both at site and at Laboratory have been conducted during the month to ensure Quality Control and Quality Assurance.

S. No.	Description of Tests Conducted	Number of Tests Conducted	No. of NCR	Remedial measure adopted
1	Embankment control Tests	70	-	-
2	Tests in Sub grade	180	-	-
3	Tests in GSB	60	-	-
4	Tests in WMM	204	-	-
5	Tests in DBM	108	-	-
6	Tests in BC	0	-	-
7	Coarse aggregate for Structures (Gradation)	54	-	-
8	Fine aggregate for Structures (Gradation)	27	-	-
9	Cement	36	-	-
10	Cube Compression Tests			
	7 days	57 Sets	-	-
	28 days	75 Sets	-	-

CHAPTER 8. MOBILISATION

Chapter 8. Mobilization

8.1 CONSULTANT'S TEAM

The staff mobilization is being done in consultation with Employer as per the project requirement considering the mobilization of the Contractor. The following table depicts the staff mobilization as on date.

S. No.	Designation	Name	Joining Date
1.	Resident Engineer	Mr. Raju Mathur	01-Oct.-17
2.	Quantity Surveyor	Mr. Brajesh Kumar	01-Oct.-17
3.	Highway Engineer	Mr. K Suresh	06-Mar-17
4.	Bridge Engineer	Mr. Satyaranjan Jati	17-Oct-17
5.	Material Engineer	Mr. K.K. Sengupta	19-Dec-17
6.	Environment And Safety Expert	-	-
7.	Asst. Quantity Surveyor	Mr. Anand Kumar	09-Dec-17
8.	Asst. Highway Engineer	Mr. Rabin Patua	01-Nov-17
9.	Asst. Bridge Engineer	Mr. Ranjit Nayak	17-Oct-17
10.	Asst. Material-cum-Quality Engineer-2	Mr. Siddharth Saurabh	01-April-15
10.	CAD Engineer	Mr. Neeraj Kumar Sharma	15-May-17
11	Office Manager-cum-Accountant-1	Mr. Abhishek Ghosh	01-Nov-17
12.	Office Assistant/Watchman	Mr. Amiya Kumar Rout	01-Nov-17

8.2 CONTRACTOR'S TEAM

The Contractor has mobilized the following Key Personnel-

S. No.	Designation	Name
1	Project Manager	Mr. J.K. Sahoo
2	Highway Engineer	Mr. Pankaj Pradhan
3	Bridge Engineer	Mr. Naveen Pandey
4	Material Engineer	Mr. Dipesh Thakur
5	Quantity Surveyor	Mr. Avi Saxena
6	Equipment And Maintenance Engineer	Mr. Sangram Kishori Naik
7	Environment And Safety Manager	Mr. Syed Zahid Hasan Ali

8.3 STATUS OF PLANT AND EQUIPMENT OF CONTRACTOR

S. No.	Description of Equip-ment/Plant	Capacity	Min. Nos. as per Contract	Nos. Mobilized		Remarks
				Own	Hired	
1	Mechanical Bitumen Sensor Paver	100 TPH	01	01	-	
2	Motor Grader	200 Cum/HR	02	01	-	
3	Hydraulic Excavator	70 Cum/HR	03	02	-	
4	Vibratory Roller (Tandem)	7-9 TON	02	01	-	
5	Pneumatic Tyre Roller		01	01	-	
6	Transit Mixer	7 Cum	05	03	-	
7	Front end Loader / JCB		03	02	-	
8	Dozer	150 Cum/HR	01	01	-	
9	Tipper of different capacity		30	18	-	
10	Bitumen sprayer	1750 Sqm / hr.	01	01	-	
11	Earth Compactor	9-10 T	03	02	-	
12	Water tanker	10 KL	05	01	-	
13	Mechanical Paver	100 TPH	01	-	-	
14	Concrete Pump	20 Cum/hr.	01	-	-	
15	Concrete fixed form Paver		-	-	-	
	Plants					
1	Hot Mix Plant (Batch Mix only)	100 TPH	01	-	-	
2	Concrete Batch-mix Plant	30 Cum/HR	01	01	-	
3	Cone Crushing Unit	200 TPH	01	-	-	
4	WMM Plant	175 TPH	01	01	-	

The following survey equipments are available at site:

S. No.	Name of the equipment	Quantity (Nos.)
1	Total Station	02
2	Auto Level	04

CHAPTER 9.
VISITS AND MEETINGS

Chapter 9. Visits and Meetings

- A routine review meeting was held on 11.07.2018 by Resident Engineer at CSC Office with the Project Manager of Contractor.
- A routine review meeting was held on 24.07.2018 by Resident Engineer at base Camp of the project with the Project Manager of Contractor.
- On 06.07.2018 site visit by the SE (R&B Division, Balasore), EE (R&B Division, Bhadrak), CSC's HE,BE,QS,ME and Contractor's Acting Project Manager were presented the visit.

CHAPTER 10.
IMPORTANT CORRESPONDENCE DURING THE MONTH

Chapter 10. Important Correspondence during the Month

10.1 SUBMISSIONS AND APPROVALS

- Monthly Progress Report for June, 2018 was submitted on 5th July'2018.

10.2 CORRESPONDENCES

- 09 numbers of letters were received from the Contractor during the month 01 number letters were issued by CSC to the Contractor. Similarly 01 number of letters was received from PMU and 03 numbers have been replied to. Details are appended as ***Appendix-3***.

CHAPTER 11.
WEATHER DURING THE MONTH

Chapter 11. Weather during the Month

S. No.	Date	Minimum Temp °C	Maximum Temp °C	Min. Humidity	Max. Humidity	Rain Fall (mm)	Remarks
1	01-Jul-18	27.2	35.9	60	87	0.00	
2	02-Jul-18	27.4	35.4	62	90	30.00	
3	03-Jul-18	27.4	31.9	69	89	0.00	
4	04-Jul-18	27.6	33.8	70	89	15.00	
5	05-Jul-18	27.5	34.5	62	89	10.00	
6	06-Jul-18	27.6	35.4	63	89	5.00	
7	07-Jul-18	27.6	36.5	57	89	0.00	
8	08-Jul-18	27.7	36.1	59	87	0.00	
9	09-Jul-18	28.2	36.5	59	86	20.00	
10	10-Jul-18	27.9	35.4	66	88	15.00	
11	11-Jul-18	28.2	33.1	69	90	10.00	
12	12-Jul-18	27.2	31.6	79	91	44.00	
13	13-Jul-18	28.2	37.2	57	88	0.00	
14	14-Jul-18	27.6	35.2	62	89	35.00	
15	15-Jul-18	27.3	34.6	66	90	50.00	
16	16-Jul-18	26.5	34.1	70	93	46.00	
17	17-Jul-18	27.8	33.7	74	90	30.00	
18	18-Jul-18	28.2	34.5	70	89	0.00	
19	19-Jul-18	28.1	35.4	62	89	10.00	
20	20-Jul-18	27.8	35.4	62	90	40.00	
21	21-Jul-18	25.9	30.2	85	94	160.00	
22	22-Jul-18	25.9	30.5	78	96	20.00	
23	23-Jul-18	27.9	33.4	73	90	0.00	
24	24-Jul-18	27.9	30.3	74	90	0.00	
25	25-Jul-18	27.2	31.2	76	94	30.00	
26	26-Jul-18	26.8	30.8	80	92	10.00	
27	27-Jul-18	27.0	31.6	78	95	0.00	
28	28-Jul-18	27.2	32.2	68	91	0.00	
29	29-Jul-18	26.8	33.2	68	91	8.00	
30	30-Jul-18	26.1	33.2	68	92	10.00	
31	31-Jul-18	25.9	33.2	68	94	10.00	

APPENDIX

Appendix 1:
Strip Chart of Highway

"Widening & strengthening of existing carriageway to 2-lane road from Pirahat to Chandbali (Km. 27/500 to Km. 45/000 of SH09) (Balance Work)
(Package No. OSRP-CW-ICB-P02B))"

LAYER CHART (SH-09) (FROM KM. 27+500 TO KM. 37+500)

BHADRAK ⟵ ⟶ CHANDBALI

Village Name	KANPUR	SAMANTRAIPUR	GADDI
Section	Section I		

Chainage	LHS	RHS
27+500		
27+515	1X1.0	HP C ULVERT
27+600		
27+700		
27+715	3/33/0	MINOR BRIDGE
27+800		
27+900		
27+925	3/33/0	MINOR BRIDGE
28+000		
28+100		
28+152	2 X 8	MINOR BRIDGE
28+200		
28+300		
28+400		
28+500		
28+600		
28+635	1 X 8 M	MINOR BRIDGE
28+700		
28+800		
28+820	3/63/0	MINOR BRIDGE
28+900		
29+000		
29+100		
29+200		
29+300		
29+400		
29+500		
29+600		
29+700		
29+800		
29+850	10 X 1	HP C ULVERT
29+900		
29+940	10X1	HP C ULVERT
30+000		
30+100		
30+140	3X6.0	MINOR BRIDGE
30+200		
30+300		
30+320	2X6.7	MINOR BRIDGE REHABILITATION
30+427	1X1.0	HP C ULVERT
30+500		
30+590		
30+600		
30+700		
30+800		
30+895	1/22/0	BOX CELL
30+900		
31+000		
31+025	3/33/0	MINOR BRIDGE
31+100		
31+150	3/33/0	MINOR BRIDGE
31+200		
31+300		
31+400		
31+470	1/43/0	BOX CELL
31+500		
31+525	1/43/0	BOX CELL
31+600		
31+700		
31+708	1/43/0	BOX CELL
31+800		
31+895	10X1	HP C ULVERT
31+900		
32+000		
32+087	3/63/0	MINOR BRIDGE
32+100		
32+200		
32+300		
32+400		
32+500		

Village Name	KHERANGA	Land Prob.(R&R)	NALGONDA	DIGACHHIA

Section	Section I

Chainage	LHS	RHS
32+500		
32+565	3/33/0	MINOR BRIDGE
32+600		
32+700		
32+800		
32+900		
33+000		
33+100		
33+200		
33+300		
33+400		
33+500		
33+526	3/33/0	MINOR BRIDGE
33+600		
33+700		
33+800		
33+889	3/33/0	MINOR BRIDGE
33+900		
34+000		
34+100		
34+200		
34+225	3/33/0	MINOR BRIDGE
34+300		
34+375	3/33/0	MINOR BRIDGE
34+400		
34+500		
34+600		
34+700		
34+788	1X10.3	MINOR BRIDGE REHABILITATION
34+800		
34+900		
35+000	3/33/0	MINOR BRIDGE
35+090	3/33/0	MINOR BRIDGE
35+100		
35+200	2	
35+280	3/33/0	MINOR BRIDGE
35+300	2	
35+340	3 X 8	MINOR BRIDGE
35+400	2	
35+425	3 X 8	MINOR BRIDGE
35+500	2	
35+510	3 X 8	MINOR BRIDGE
35+600	3 X 8	MINOR BRIDGE
35+700	2	
35+720	3 X 8	MINOR BRIDGE
35+800	2	
35+817	3/33/0	MINOR BRIDGE
35+900	3 X 8	MINOR BRIDGE
35+965	3 X 8	MINOR BRIDGE
36+000	2	
36+035	3 X 8	MINOR BRIDGE
36+100		
36+200		
36+300		
36+400		
36+500		
36+600		
36+700		
36+764	1/43/0	BOX CELL
36+800		
36+900		
36+915	3/33/0	MINOR BRIDGE
37+014	3/33/0	MINOR BRIDGE
37+100		
37+200		
37+300		
37+400		
37+500		

LEGENDS:		GSB		In Progress	
C & G		WMM.		R&R	R & R
EMB./EXC.		DBM/DLC		Hindrance	
SUB.		BC/PQC			

Structure	
Completed	
In Progress	
To be started	
Cancelled	

Remarks		
R & R	1 No.	Not resolved yet

"Widening & strengthening of existing carriageway to 2-lane road from Pirahat to Chandbali (Km. 37/500 to Km. 45/000 of SH09) (Balance Work)
(Package No. OSRP-CW-ICB-P02B) "

LAYER CHART (SH-09) (FROM KM. 37+500 TO KM. 45+000)

BHADRAK ← → CHANDBALI

Village Name: MOTTO (Rigid pavement:Ch. 39+100 to Ch. 40+300); NUAGUDA

Section: Section II

Chainage	LHS	RHS
37+500	Encumbrance	Encumbrance
37+600	BC/PQC	BC/PQC
37+700	DBM/DLC	DBM/DLC
37+800	WMM.	WMM.
37+850	GSB	GSB
37+900	SUB.	SUB.
37+987	EMB./EXC	EMB./EXC
38+000	C & G	C & G
38+100	C & G	C & G
38+200	C & G	C & G
38+300	C & G	C & G
38+400	C & G	C & G
38+500	C & G	C & G
38+600	C & G	C & G
38+700	C & G	C & G
38+800	C & G	C & G
38+900	C & G	C & G
39+000	C & G	C & G
39+100	C & G	C & G
39+200	BC/PQC	BC/PQC
39+300	BC/PQC	BC/PQC
39+387	BC/PQC	BC/PQC
39+400	BC/PQC	BC/PQC
39+500	BC/PQC	BC/PQC
39+600	BC/PQC	BC/PQC
39+700	BC/PQC	BC/PQC
39+800	BC/PQC	BC/PQC
39+837	BC/PQC	BC/PQC
39+900	C & G	C & G
40+000	C & G	C & G
40+100	C & G	C & G
40+200	C & G	C & G
40+295	BC/PQC	BC/PQC
40+300	BC/PQC	BC/PQC
40+400	C & G	C & G
40+500	C & G	C & G
40+600	C & G	C & G
40+700	C & G	C & G
40+800	C & G	C & G
40+960	C & G	C & G
41+000	C & G	C & G
41+100	C & G	C & G
41+125	C & G	C & G
41+150	C & G	C & G
41+250	C & G	C & G
41+285	C & G	C & G
41+350	C & G	C & G
41+375	C & G	C & G
41+400	C & G	C & G
41+500	C & G	C & G
41+565	C & G	C & G
41+700	C & G	C & G
41+750	C & G	C & G
41+950	C & G	C & G
42+050	C & G	C & G
41+985	C & G	C & G
42+150	C & G	C & G
42+250	C & G	C & G
42+350	C & G	C & G
42+225	C & G	C & G
42+300	C & G	C & G
42+393	C & G	C & G
42+400	C & G	C & G
42+476	C & G	C & G
42+500	C & G	C & G

LHS layers: 2/44/0; 5 X 10.45; 5 X 1.0; 5 X 1.0; 5 X 1; 5 X 1; 1/43/0; 1/43/0; 1/43/0; 1/44/0; 3x3x3; 1x3x4; 1/44/0; 1/44/0; 1 X 6

RHS structures: MINOR BRIDGE; MINOR BRIDGE REHABILITATION; HP C ULVERT; HP C ULVERT; HP C ULVERT; HP C ULVERT; BOX CELL; BOX CELL; BOX CELL; BOX CELL; MINOR BRIDGE; BOX CELL; BOX CELL; BOX CELL; MINOR BRIDGE

TR - 3.8 House

Village Name: UGRATARA; CHANDANPUR; MAHULIA

Section: Section II

Chainage	LHS	RHS
42+500	Encumbrance	Encumbrance
42+600	BC/PQC	BC/PQC
42+700	DBM/DLC	DBM/DLC
42+800	WMM.	WMM.
42+900	GSB	GSB
43+000	SUB.	SUB.
43+050	EMB./EXC	EMB./EXC
43+100	C & G	C & G
43+200	C & G	C & G
43+300	C & G	C & G
43+400	C & G	C & G
43+500	C & G	C & G
43+550	C & G	C & G
43+600	C & G	C & G
43+700	C & G	C & G
43+763	C & G	C & G
43+800	C & G	C & G
43+900	C & G	C & G
44+000	C & G	C & G
44+100	C & G	C & G
44+200	C & G	C & G
44+300	C & G	C & G
44+304	C & G	C & G
44+400	C & G	C & G
44+500	C & G	C & G
44+518	C & G	C & G
44+600	C & G	C & G
44+700	C & G	C & G
44+800	C & G	C & G
44+900	C & G	C & G
45+000	C & G	C & G

LHS layers: 1/22/0; 1 X 6; 1/43/0; 1/23/0; 1/33/0

RHS structures: BOX CELL; MINOR BRIDGE; BOX CELL; BOX CELL; BOX CELL

LEGENDS:		GSB		In Progress	
C & G		WMM.		Tree	TR
EMB./EXC.		DBM/DLC		R&R	R & R
SUB.		BC/PQC		Hindrance	

Structure	
Completed	
In Progress	
To be started	
Cancelled	

Remarks		
Tree	2 No.s	Not resolved yet
R & R	1 No.	Not resolved yet

Appendix 2:
Progress Chart of Structures

Widening & Strengthening of Existing Carriage Way to 2 lane road for Pirhat-Chandbali Road [27/500 Km. to 45/000 Km. of SH-9 (Balance work)- Package OSRP-Bal-P02B]

PROGRESS STRIP CHART OF STRUCTURE WORK AS ON -31.07.2018

Sl No.	Chainage	Type of structure	Span	Excavation	PCC	Raft/ Fondation concrete	Walls/ Head wall	Deck slab / Pipe laying	Return wall/ Retaining wall	Railing/ Crash Barrier/ Parapet	Floor protection work	Stone pitching in Quadrants	Remarks
1	27+510	HPC	1X1										Protection work remain.
2	27+715	BOX MNB	3X3X3										Protection work remain.
3	27+925	BOX MNB	3X3X3										
4	28+109	BOX MNB	2X8										Slab completed
5	28+635	BOX MNB	1X8										Protection work remain.
6	28+820	BOX MNB	3X6X3										Protection work remain.
7	28+900	BOX MNB	3X3X3										
8	29+850	HPC	10X1										
9	29+940	HPC	10X1										
10	30+140	BOX MNB	3X3X3										Protection work remain.
11	30+320	REHAB	2X6.7										
12	30+427	HPC	1X4X4										Protection work remain.
13	30+805	BOX	1X2X2										Protection work remain.
14	31+030	BOX MNB	3X3X3										Protection work remain.
15	31+150	BOX MNB	3X3X3										
16	31+470	BOX	1X4X3										Protection work remain.
17	31+525	BOX	1X4X3										
18	31+708	BOX	1X4X3										
19	31+895	HPC	1X10X3										
20	32+087	BOX MNB	3X6X3										
21	32+520	BOX MNB	3x3x3										Protection work remain.
22	33+526	BOX MNB	3x3x3										
23	33+889	BOX MNB	3x3x3										
24	34+225	BOX MNB	3x3x3										
25	34+375	BOX MNB	3x3x3										
26	34+788	REHAB	1X10.3										
27	35+000	BOX MNB	3X3X3										
28	35+090	BOX MNB	3X3X3										
29	35+280	BOX MNB	3X3X3										
30	35+340	BOX MNB	3x8										Protection work remain.

Legends:		**Scope of NKC Ltd.**		**Completed by previous Contractor (Excluding protection work)**		**In progress**
				Completed by NKC Projects Pvt. Ltd		Not Applicable

Widening & Strengthening of Existing Carriage Way to 2 lane road for Pirhat-Chandbali Road [27/500 Km. to 45/000 Km. of SH-9 (Balance work)- Package OSRP-Bal-P02B]

PROGRESS STRIP CHART OF STRUCTURE WORK AS ON -31.07.2018

Sl No.	Chainage	Type of structure	Span	Excavation	PCC	Raft/ Fondation concrete	Walls/ Head wall	Deck slab / Pipe laying	Return wall/ Retaining wall	Railing/ Crash Barrier/ Parapet	Floor protection work	Stone pitching in Quadrants	Remarks
31	35+425	BOX MNB	3x8										Protection work remain.
32	35+510	BOX MNB	3x8										Protection work remain.
33	35+600	BOX MNB	3x8										Protection work remain.
34	35+680	BOX MNB	3x8										Protection work remain.
35	35+817	BOX MNB	3x3x3										
36	35+900	BOX MNB	3x8										Protection work remain.
37	35+975	BOX MNB	3x8										Protection work remain.
38	36+040	BOX MNB	3x8										Protection work remain.
39	36+764	BOX	1X4X3										
40	36+915	BOX MNB	3X3X3										
41	37+014	BOX MNB	3X3X3										
42	37+850	BOX MNB	2X4X4										Slab completed
43	37+987	REHAB	4x10.45										
44	39+387	HPC	5X1										Protection work remain.
45	39+837	HPC	5X1										
46	40+295	HPC	5X1										Protection work remain.
47	40+960	HPC	5X1										
48	41+125	BOX	1X4X3										Protection work remain.
49	41+275	BOX	1X4X3										Protection work remain.
50	41+375	BOX	1X4X3										Protection work remain.
51	41+550	BOX	1X4X4										Protection work remain.
52	41+750	BOX MNB	3X3X3										
53	41+985	BOX	1X3X4										Raft inprogress
54	42+225	BOX	1X4X4										Slab completed
55	42+393	BOX	1X4X4										
56	42+476	BOX MNB	1X6										
57	43+098	BOX	1X2X2										Slab completed
58	43+550	BOX MNB	1X6										Slab completed
59	43+763	BOX	1X4X3										Protection work remain.
60	44+307	BOX	1X2X3										Protection work remain.
61	44+518	BOX	1x3x3										Slab completed

Legends:		Scope of NKC Ltd.		Completed by previous Contractor (Excluding protection work)
				Completed by NKC Projects Pvt. Ltd

	In progress
	Not Applicable

Appendix 3:
Important Correspondences during the month

APPENDIX-3

"Widening & Strengthening of Existing Carriage Way to 2 lane road for Pirhat-Chandbali Road [27/500 Km. to 45/000 Km. of SH-9 (Balance work)] - Package OSRP-Bal-P02B]"

CORRESPONDENCE FOR THE MONTH OF JULY 2018- OUTWARD				
SL. NO.	**DATE**	**LETTER REFFERENCE NO.**	**SUBJECT**	**TO**
1	05.07.2018	LASA/RE-P02B/73466/2018/242	Reg.- Submission of Quarterly Progress Report for the period from April,2018 to June, 2018	OWD
2	05.07.2018	LASA/RE-P02B/73466/2018/243	Reg.- Submission of Monthly Progress Report for the month of June, 2018	OWD
3	20.07.2018	LASA/RE-P02B/73466/2018/250	Compliance to Observations on IPC No.-18	OWD

APPENDIX-3

"Widening & Strengthening of Existing Carriage Way to 2 lane road for Pirhat-Chandbali Road [27/500 Km. to 45/000 Km. of SH-9 (Balance work)- Package OSRP-Bal-P02B]"

CORRESPONDENCE FOR THE MONTH OF JULY 2018- INWARD				
SL. NO.	**DATE**	**LETTER REFFERENCE NO.**	**SUBJECT**	**FROM**
1	01.07.2018	NKC/OSRP/P02B/2018/07/411	Hindrance on site	NKC
2	01.07.2018	NKC/OSRP/P02B/2018/07/413	Project Manager on leave from 2nd July 2018 to 14th July 2018	NKC
3	01.07.2018	NKC/OSRP/P02B/2018/07/414	Rainfall Data for the Month of June - 2018	NKC
4	02.07.2018	NKC/OSRP/P02B/2018/07/417	Submission of Bar Bending Schedules	NKC
5	10.07.2018	NKC/HO/OSRP/2018-19/071	Request for reimbursement of excess royalty pursuant to change in legislation under clause 13.7 of GCC.	NKC
6	11.07.2018	NKC/OSRP/P02B/2018/07/418	Submission of Bar Bending Schedules	NKC
7	11.07.2018	NKC/OSRP/P02B/2018/07/419	Submission of Working Drawings	NKC
8	13.07.2018	PMU-WB-82/2016 -30471	Observations on IPC No.-18 regarding	OWD
9	17.07.2018	NKC/OSRP/P02B/2018/07/424	Request for Clear the remaining Mobilization Advance in IPC-19	NKC
10	28.07.2018	NKC/OSRP/P02B/2018/07/430	Submission of observations on IPC-11 to IPC-18	NKC
11	31.07.2018	NKC/HO/OSRP/2018-19/086	Request for Extension of time for Completion of Section-II under Cl 8.4 and 20.1 of GCC	NKC

Appendix 4:
Status of Utilities and Encumbrances

Construction for Widening & Strengthening of existing carriageway to 2-lane Road from Pirhat to Chandbali
(Km. 27/500 to Km. 45/000 of SH-09 (Balance work); Package No. OSRP-CW-ICB-P02B, Agreement No. 05 of 2016-17

Summary of Encumbrances (As on 31.07.2018)

S. No.	Village	Chainage		Electric Poles	Trees	R&R	RWSS/PH	Remarks
		From	To					
1	Pirhat	27+500	28+000					
2	Kanpur	28+000	29+000					
3	Kanpur	29+000	30+000			2		
4		41+000	42+000					
5	Nauguda	42+000	43+000		2	1		
6	Mahulia	43+000	44+000					
7		44+000	45+000					
			Total	**0**	**2**	**3**	**0**	

Construction for Widening & Strengthening of existing carriageway to 2-lane Road from Pirhat to Chandbali (Km. 27/500 to Km. 45/000 of SH-09 (Balance work); Package No. OSRP-CW-ICB-P02B, Agreement No. 05 of 2016-17						
Summary of Encumbrances (As on 31.07.2018)						
S. No.	**Village**	**Chainage**	**Side**	**Offset From PCL (M)**	**Tree**	**Remarks**
1	Nauguda	42+362	RHS	3.8	2	Tree to be cut.
				Total	**2**	

Construction for Widening & Strengthening of existing carriageway to 2-lane Road from Pirhat to Chandbali (Km. 27/500 to Km. 45/000 of SH-09 (Balance work); Package No. OSRP-CW-ICB-P02B, Agreement No. 05 of 2016-17							
Summary of Encumbrances (As on 31.07.2018)							
S. No.	**Village**	**Chainage**		**Side LHS/RHS**	**Offset from PCL (M)**	**No. of R&R**	**Remarks**
		From	**To**				
1	Kanpur	29+100	29+200	RHS	3.80	1	Land
2	Kanpur	29+800	29+950	LHS	3.80	1	Land
3	Nauguda	42+350	42+380	RHS	6.20	1	House
					Total	**3**	