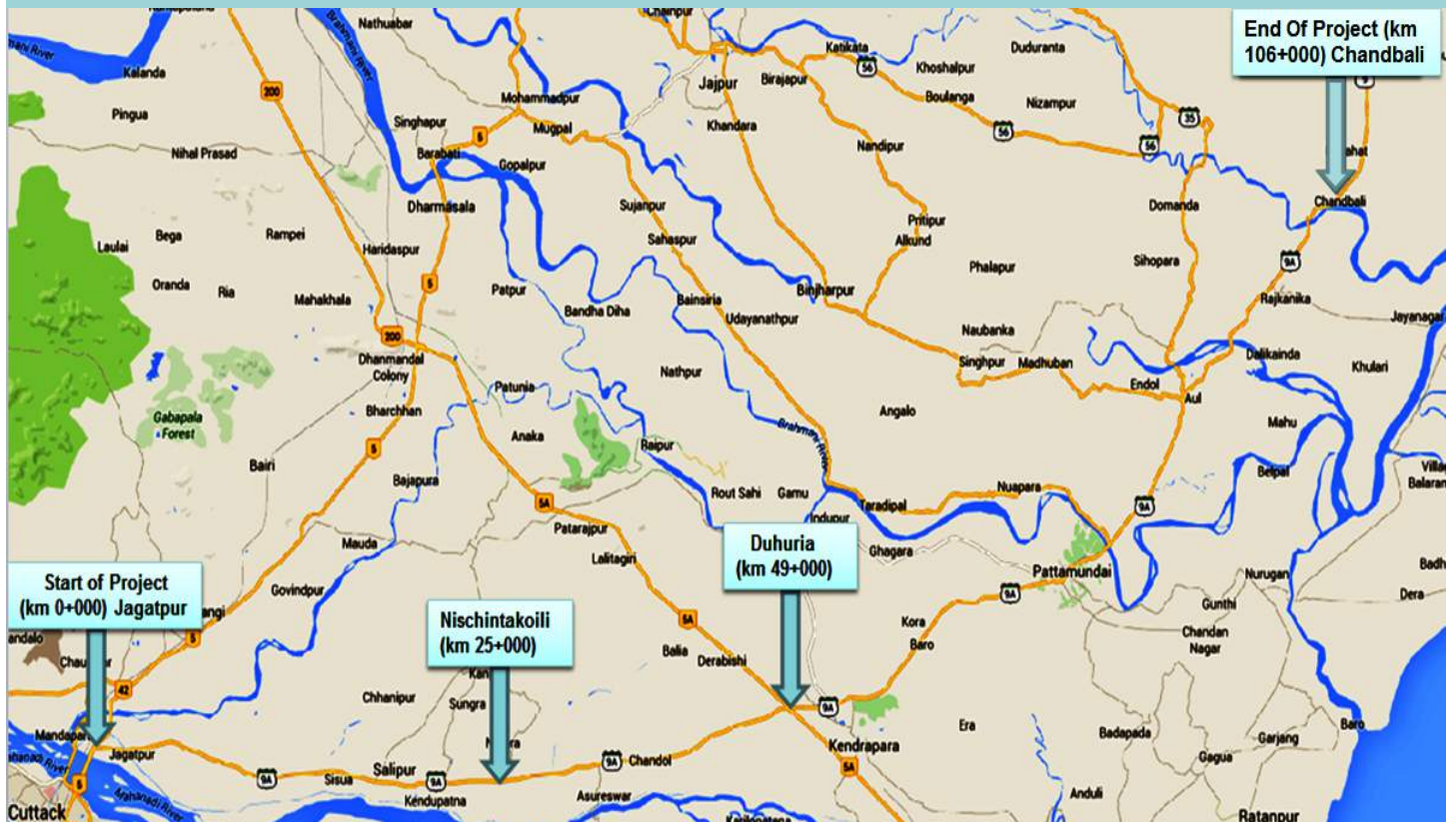


GOVERNMENT OF ODISHA WORKS DEPARTMENT
ODISHA STATE ROADS PROJECT

MONTHLY PROGRESS REPORT

Construction Supervision of Jagatpur Chandbali Road (0/0 km to 99/0 km of MDR and 52/0 km to 45/0 km of SH 9) of Odisha State Roads Project

PACKAGE NO.: OSRP-CW-ICB-OSRP-CW-ICB-P04A2, Nishintakoli-Duhuria Road (25/0 km to 49/0 km of MDR)- Balance works



AUGUST-2017

LEA Associates South Asia Pvt. Ltd., New Delhi
in association with
SM Consultants, Bhubaneswar, Odisha



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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 Jagatpur- Chandbali Road Project (106 km)**.

Jagatpur-Chandbali Road Project is part of 825 km of roads under **Phase-I** which aims at promoting trade and regional integration between districts by improving transport communication. The project road **Jagatpur-Chandbali** 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 6.8 m and 1.5m. Earthen shoulder on both sides, to a 7.0 m carriageway, 1.5m paved shoulder 1.0 m soft shoulders on both sides**. 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

The **Jagatpur-Chandbali road was divided into two Packages for the purpose of improvement. 1st package was from Jagatpur to Duhuria and 2nd package was from Duhuria to Chandbali. After termination of the Contract of 1st package, it is divided into two packages, viz., Jagatpur to Nischintakoili (P04A1) and Nischintakoili to Duhuria (P04A2).**

1.2 THE PROJECT

The Nischintakoili- Duhuria (Km 25/00 to Km 49/00, MDR) (P04A2) is a part of Jagatpur-Kendrapada– Chandbali - Bhadrak 152 km project corridor. This road section starts from at Chainage 25/00 km of Jagatpur-Chandbali Road, MDR and ends at Duhuria at km 49/00. This section of the road connects Jagatpur an industrial area in Cuttack district and Kendrapada, a district headquarters and a business centre.

The total length of the project road is 24.000 km. The road passes completely through plain terrain. Major stretch of the road is located in the District of Kendrapada. This stretch of the road passes through major settlements at Nishchintakoili, Katikata and Balia.

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

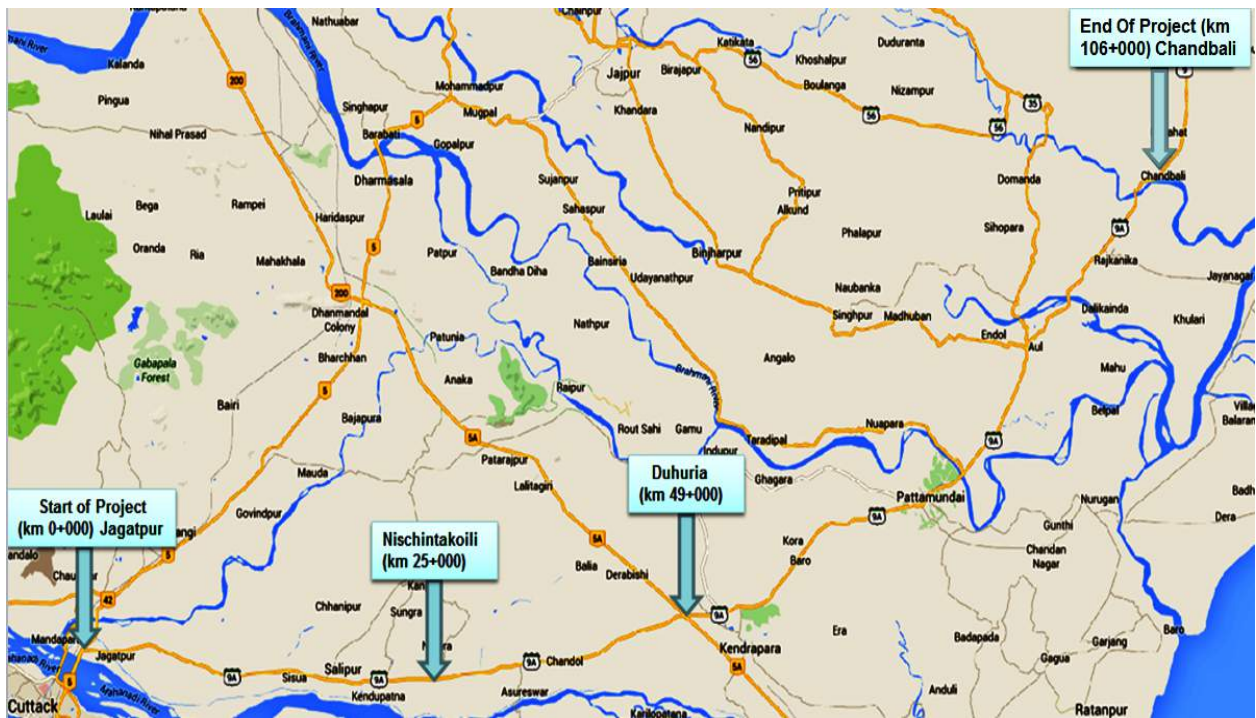


Figure 1-1: Location Map

1.3 CONTRACT MANAGEMENT FRAME WORK

1.3.1 Employer

Mr. Om Prakash Patel, Chief Engineer, DPI & Roads, Odisha
On behalf of Works Department, Government of Odisha

1.3.2 Employer’s Representative

Mr. B C Dash, -Superintending Engineer, Cuttack, R&B Circle, cum Employer’s representative

1.3.3 Engineer

Mr. Deepak Kumar Acting Resident Engineer
Lea Associates South Asia Pvt. Ltd
B1/E-27, Mohan Co Operative Industrial Estate Mathura Road, New Delhi-110 044
Site Office-Near NH-5A Underpass, Duhuria, P.O.-Pandiri, District – Kendrapara, Odisha ,
Pin – 754211
Email: lasakendrapara1@lasaindia.com

1.3.4 Contractor

M/s. Varaha Infra Limited,
Umesh Smriti, 6 Jalam Vilas Scheme, Paota B Road,
Jodhpur-342006, Rajasthan, India

Site Office –
Mouza-Kashoti, Plot no.700, Duhuria,
Dist.-Kendrapara, Pin-754211, Odisha



1.4 PROJECT DETAILS

- Contract Value :- Rs.97,89,97,903
- Period of Construction :- 18 months
- Date of Commencement of Work :- 1st January 2016
- Scheduled Date of Completion :- 30th June 2017
- Progress Achieved till this month :- 82.22%

1.5 SALIENT FEATURES

1.5.1 Highways

- Total Length of Project Corridor (MDR) – 24.00 km
- Type of Carriageway Flexible 17.90 km
- Rigid 6.10 km
- Roadway Width 14 m (Revised)
- Carriageway Width 7m+1.5m paved shoulder on both sides
- Bus Bays and Bus Shelter 27 Nos
- Toll Plaza 1 No.
- Junctions 51 Nos

1.5.2 Structures

- Minor Bridges 02 No.
- Box Culverts 11Nos.
- Hume Pipe Culvert s 46Nos.
- Hume Pipe Culverts with Utility 15 Nos.
- Hume Pipe Culverts with Reptile pass 05Nos.
- Pipe culverts on access roads 54 Nos.

1.5.3 Crust Details

- Flexible Pavement
 - Sub-Grade 500 mm
 - GSB 200 mm
 - WMM 250 mm
 - DBM 90mm
 - BC 40 mm
- Rigid Pavement
 - Sub-grade 500 mm
 - GSB 150 mm
 - DLC 150 mm
 - PQC 300 mm

1.6 MILESTONES

The project corridor has been divided into two sections for completion of work. Sections provided in the Contract were rescheduled through Supplementary Agreement as Addendum 1 as furnished below.

Section Name	Length of Section	Stretch of the Section		Scheduled date of completion
		As per original contract	As Rescheduled	
Section I	14 km	Km.35.0 to Km 49.0	14 km in different stretches	28.02.2017
Section II	10 km	Km.25.0 to Km 35.0	11 km in different stretches	30.06.2017



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Chapter 2. Physical Performance and Programme of Work

2.1 ROAD WORK

2.1.1 Linear Progress – Total Length- 24.00 km

Sl. No.	Items	Total Length	Side	Length Completed / In Progress in Lane Km						
				Completed up to Previous Month	Completed During the Month	Total completed	In progress	Cumulative length (completed + In Progress)	Balance Length to be taken up	Length Completed Over Full Width
A	B	C	D	E	F	G=E+F	H	I=G+H	J=C-I	K
1	Embankment/ Excavation	24.00	LHS	23.910	0.000	23.910	0.000	23.910	0.090	23.910
		24.00	RHS	23.960	0.000	23.960	0.000	23.960	0.040	
2	Subgrade	24.00	LHS	23.910	0.000	23.910	0.000	23.910	0.090	23.910
		24.00	RHS	23.950	0.000	23.950	0.000	23.950	0.050	
3	GSB	24.00	LHS	23.891	0.000	23.891	0.000	23.891	0.109	23.888
		24.00	RHS	23.927	0.000	23.927	0.000	23.927	0.073	
4	WMM	17.90	LHS	17.785	0.000	17.785	0.000	17.785	0.105	17.735
		17.90	RHS	17.738	0.000	17.738	0.000	17.738	0.162	
5	DBM	17.90	LHS	17.689	0.016	17.705	0.000	17.705	0.195	17.705
		17.90	RHS	17.725	0.000	17.725	0.000	17.725	0.175	
6	BC	17.90	LHS	11.972	4.289	16.261	0.000	16.261	1.639	16.141
		17.90	RHS	12.457	3.920	16.377	0.000	16.377	1.523	
7	DLC	6.10	LHS	6.070	0.000	6.070	0.000	6.070	0.030	6.024
		6.10	RHS	6.100	0.000	6.100	0.000	6.100	0.000	
8	PQC	6.10	LHS	6.026	0.000	6.026	0.000	6.026	0.074	6.010
		6.10	RHS	6.040	0.000	6.040	0.000	6.040	0.060	



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2.1.2 Progress in Quantities

Pie chart showing the weightage of major construction items is shown in Figure 2-1;

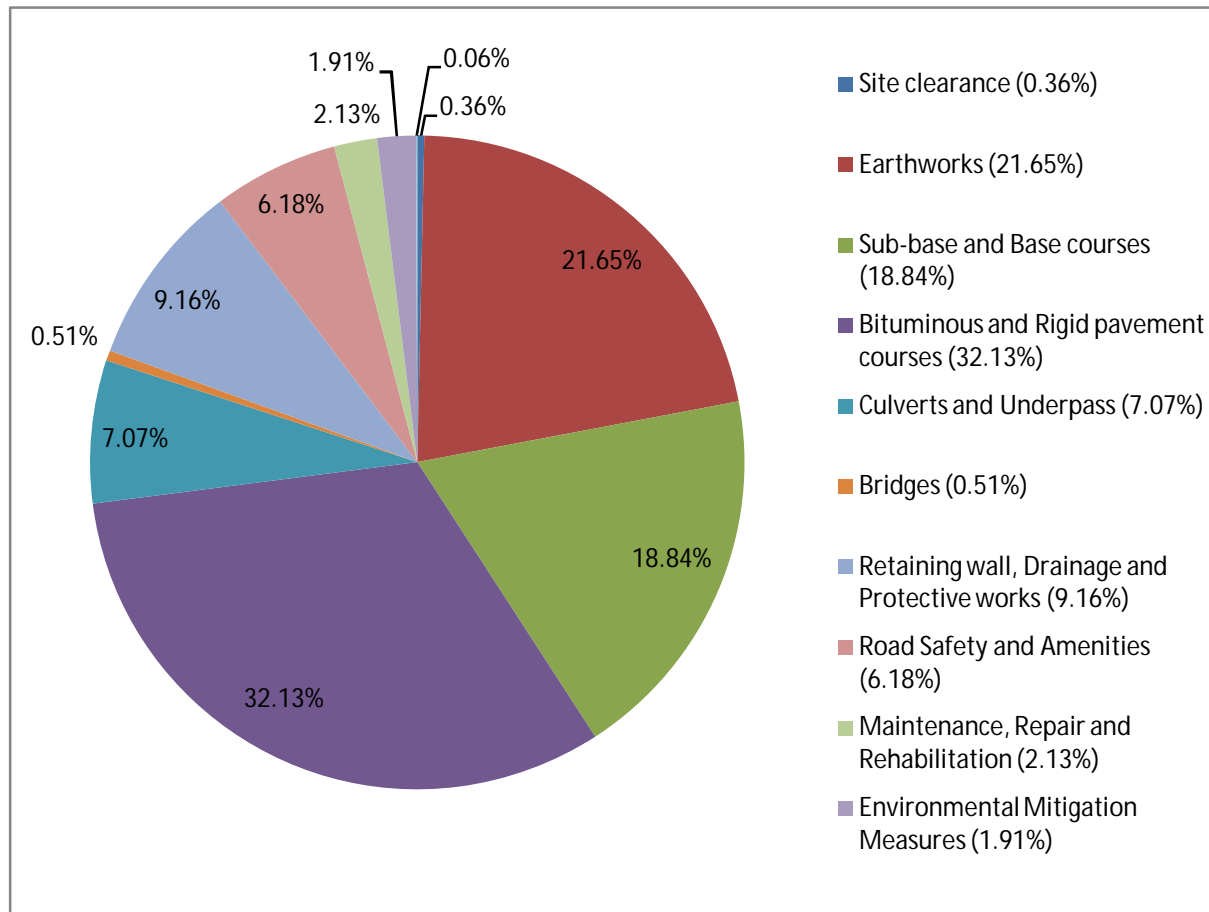


Figure 2-1: Weightage of Major Construction Items



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Progress in Quantities

Sl. No.	Description	Unit	Total Quantity as per BOQ	Quantity Executed			Balance Quantity to be executed	Remarks
				Up to previous month	During this month	Total		
1	Embankment in soil	Cum	65123	49917	0	49917	15206	
2	Embankment in sand	Cum	177616	173779	0	173779	3837	
3	Subgrade	Cum	199939	173800	1622	175422	24517	
4	GSB	Cum	65795	67389	0	67389	0	
5	WMM	Cum	54739	45452	129	45581	9158	
6	DBM	Cum	18266	15868	17	15885	2381	
7	BC	Cum	8122	4839	1639	6478	1644	
8	DLC	Cum	8524	9614	0	9614	0	
9	PQC	Cum	17048	18936	0	18936	0	
10	Excavation for structures	Cum	27268	18792	0	18792	8476	
11	Granular materials	Cum	1410	0	0	0	1410	
12	Sand filling	Cum	2924	7650	0	7650	0	
13	PCC M 15 leveling course	Cum	2988	1234	0	1234	1754	
14	PCC M15 Substructure	Cum	1914	2099	15	2114	0	
15	RCC M 20	Cum	2713	2413	0	2413	300	
16	RCC M 30	Cum	24	196	34	230	0	
17	RCC M 35	Cum	250	836	0	836	0	
18	HYSD	MT	393	162	0	162	231	
19	HP 1000 mm single row	Rmt	523	445	0	445	78	
20	HP 1200 mm single row	Rmt	848	505	0	505	343	
21	HP 1200 mm double row	Rmt	278	234	0	234	45	



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2.2 PROGRESS OF CD WORKS AND STRUCTURE

Sl. No.	Items	Total nos. to be executed	Side	No. Completed / In Progress (Half Width) in number						Number Completed Over Full Width
				Completed upto Previous Month	Completed During the Month	Completed up to date	In progress	Cumulative No. (Completed + In Progress)	Balance Number to be taken up	
A	B	C	D	E	F	G=E+F	H	I=G+H	J=C-I	K
1	Minor Bridges New	2	BS	2	0	2	0	2	0	2
2	Minor Bridges Widening	0	LHS	0	0	0	0	0	0	0
		0	RHS	0	0	0	0	0	0	0
3	Box Culverts	11	BS	8	0	8	3	11	0	8
4	Hume Pipe Culvert main road	46	LHS	46	0	46	0	46	0	46
		46	RHS	46	0	46	0	46	0	
5	Hume Pipe Culvert with utility	15	LHS	15	0	15	0	15	0	15
		15	RHS	15	0	15	0	15	0	
6	Hume Pipe Culvert with reptile underpass	5	LHS	5	0	5	0	5	0	5
		5	RHS	5	0	5	0	5	0	
7	Access road pipe culvert	54	BS	0	0	0	0	0	54	0



BC Laying at 31+300 to 32+040LHS



BC Laying at 25+000 to 25+360 RHS



Road Marking at 44+022 to 44+300 Edge line RHS



Road Marking at 33+200 to 34+200 Edge line LHS



2.3 ROUTINE MAINTENANCE

The road is being maintained by the contractor as per requirement

2.4 PROGRAMME OF WORK.

Contractor has not submitted baseline work programme.

A chart showing the time elapsed is given below in Figure 2-2.

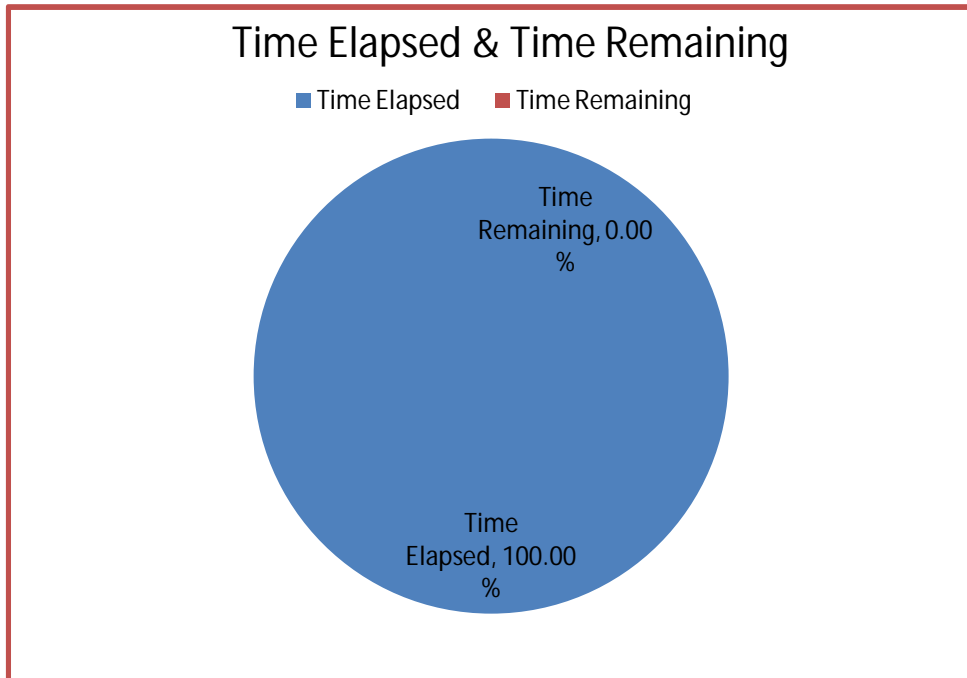
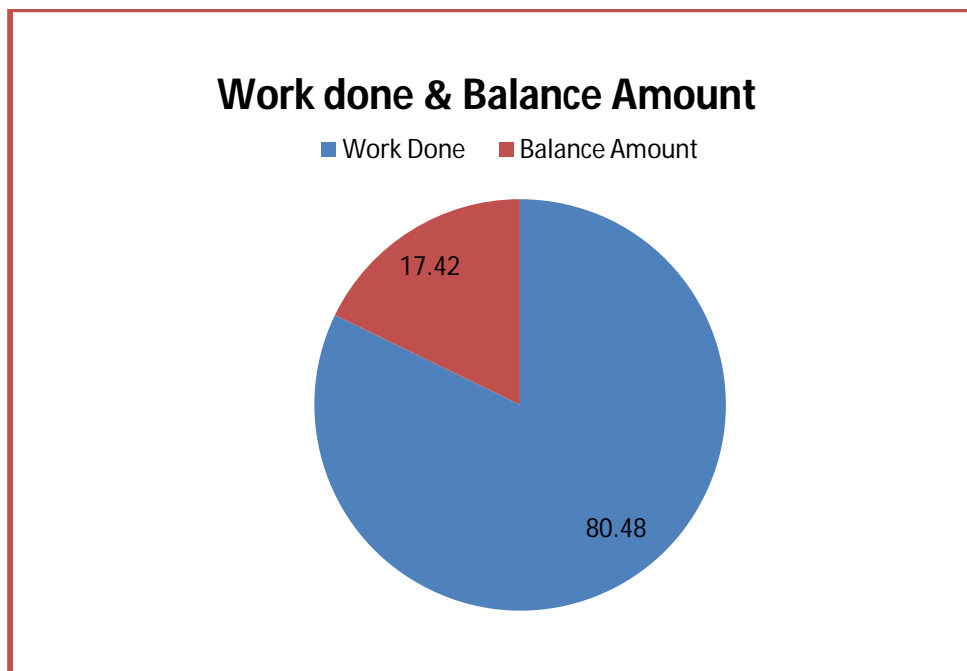


Figure 2-2: Total Duration of the Project (Construction Phase)-18 Months



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2.5 FORECAST FOR NEXT MONTH

Forecast for September 2017

Sl. no.	Description	Unit	Quantity remaining to be executed by the end of this month	Quantity planned to be executed during next month	Approximate Value of work (Rs)	Remarks
1	Embankment in soil	Cum	15206	0	0	
2	Embankment in sand	Cum	3837	0	0	
3	Subgrade	Cum	24517	2418	1556269	
4	GSB	Cum	0	0	0	
5	WMM	Cum	9158	0	0	
6	DBM	Cum	2381	0	0	
7	BC	Cum	1644	1699	13037112	
8	DLC	Cum	0	0	0	
9	PQC	Cum	0	0	0	
10	Excavation for structures	Cum	8476	0	0	
11	Granular materials	Cum	1410	0	0	
12	Sand filling	Cum	0	0	0	
13	PCC M 15 levelling course	Cum	1754	33	132098	
14	PCC M15 Substructure	Cum	0	3	11880	
15	RCC M 20	Cum	300	2	9900	
16	RCC M 30	Cum	0	92	453931	
17	RCC M 35	Cum	0	0	0	
18	HYSD	MT	231	2	103356	
19	HP 1000 mm single row	Rmt	78			
20	HP 1200 mm single row	Rmt	343			
21	HP 1200 mm double row	Rmt	45			
22	Miss. Item, Saucer Drain, Crash Barrier, Road Painting, Turfing etc.				11857133	
Amount =					27161678	

2.6 STATUS OF EXTENSION OF TIME

Contractor had applied for EOT up to 31st December 2017. Certain clarifications have been asked for which is yet to be submitted.

Chapter 3. Financial Performance

3.1 FINANCIAL PROGRESS

Financial Progress achieved up to the end of this month is furnished below

1. Contract Amount	Rs.97.90 Crores
2. Value of work executed up to 31.08.17-	
a) Gross Amount of Work	Rs.80.48 Crores
b) Amount of work excluding Price Adjustment	Rs.80.48 Crores
c) Mobilisation Advance -	Nil
d) Material advance -	Nil
3. Total (b+c+d) -	Rs.80.48 Crores
4. Percentage of work executed $(2b/1)*100$	82.22%

3.2 MONTH WISE FINANCIAL PROGRESS

Month-wise Financial progress on work proper excluding Escalation and advances are furnished in Table 3-1 below.

Table 3-1: Month wise Financial Progress

Sl. No.	Month	Base target		Achievement	
		Amount during the month (Cr.)	Percentage during the month	Amount during the month (Cr.)	% Achieved during the month
1	Jan-16	0	0%	1.90	1.94%
2	Feb-16	0	0%	2.62	2.68%
3	Mar-16	0	0%	4.04	4.13%
4	Apr-16	0	0%	4.88	4.99%
5	May-16	0	0%	4.18	4.27%
6	Jun-16	0	0%	2.28	2.34%
7	Jul-16	0	0%	2.42	2.47%
8	Aug-16	0	0%	1.77	1.81%
9	Sep-16	0	0%	2.31	2.36%
10	Oct-16	0	0%	3.21	3.28%
11	Nov-16	0	0%	5.20	5.31%
12	Dec-16	0	0%	7.70	7.87%
13	Jan-17	0	0%	7.84	8.01%
14	Feb-17	0	0%	5.26	5.37%
15	Mar-17	0	0%	7.64	7.80%
16	Apr-17	0	0%	4.06	4.15%
17	May-17	0	0%	4.78	4.88%
18	Jun-17	0	0%	3.53	3.60%
19	Jul-17	3.43	3.504%	2.68	2.74%
20	Aug-17	1.96	2.002%	2.18	2.22%
	Total	5.39	5.506	80.48	82.22%

3.3 MOBILIZATION ADVANCE

The Contractor has not been paid the mobilisation advance so far.

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3.4 STATEMENT OF IPC

Sl. No.	IPC No.	Month	Gross Amount of IPC (Crores)						
			Value of BOQ Item	Value of Non BOQ Item	Escalation	Secured Advance	Gross amount	Recoveries	Net Amount Paid
1	1	Jan-16	1.90				1.90	0.41	1.49
2	2	Feb-16	2.62				2.62	0.54	2.08
3	3	Mar-16	4.04				4.04	0.77	3.27
4	4	Apr-16	4.88				4.88	0.90	3.98
5	5	May-16	4.18				4.18	0.82	3.36
6	6	Jun-16	2.28				2.28	0.47	1.80
7	7	Jul-16	2.42				2.42	0.48	1.94
8	8	Aug-16	1.77				1.77	0.32	1.45
9	9	Sep-16	2.31				2.31	0.44	1.87
10	10	Oct-16	3.21				3.21	0.60	2.61
11	11	Nov-16	5.20				5.20	0.82	4.38
12	12	Dec-16	7.70				7.70	1.65	6.05
13	13	Jan-17	7.84				7.84	1.43	6.41
14	14	Feb-17	5.26				5.26	0.56	4.70
15	15	Mar-17	7.64				7.64	0.79	6.85
16	16	Apr-17	4.06				4.06	0.46	3.60
17	17	May-17	4.78				4.78	0.48	4.30
18	18	Jun-17	3.53				3.53	0.10	3.43
19	19	Jul-17	2.68				2.68	0.10	2.58
20	20	Aug-17	2.18				2.18	0.08	2.10
		Total	80.48				80.48	12.21	68.25



Chapter 4. Status of Risk

4.1 HANDING OVER OF SECTION

Handing over status of Sections are mentioned below

Section Name	Scheduled date of Handing Over	Actual date of handing over
Section I Km.35.0 to Km.49.0	1-Jan-2016	1-Jan-2016
Section II Km.25.0 to Km.35.0	31-Mar-2016	31-May-2016

4.2 STATUS OF UTILITY SHIFTING

Encumbrances	Number existing till last month	Number removed during this month	Balance remaining for removal
Tree	0	0	0
R & R	1	0	1
Electric pole	0	0	0
Pipe line	0	0	0

4.3 ANY OTHER ISSUE

The progress of work is slow. The major issue for non-completion is for delay in decision by WR Department for providing CD structures over canals. The Contractor has substantially completed the Milestone-I. RISK INVOLVED



Chapter 5. Environmental Monitoring and Safety

5.1 ENVIRONMENT MANAGEMENT PLAN

Sl. No.	Environmental Issue / Aspect	Management Measures
1	Tree Cutting	Tree cutting done by other agency.
2	Joint Field Verification	Site visit is done time to time.
3	Location and Installation of Crushers, Hot Mix Plants and Batching Plants	BMP - Plant has been dismantled from camp. HMP/WMM - Consent obtained for HMP/WMM, renewal copy has to be submitted. Consent of Crusher has to be submitted.
4	Construction Camp(s) – Selection, Design and Layout	Approval is accorded for Duhuria camp for office/ laboratory/ store, not for labour camp.
5	Construction Vehicles, Equipment and Machinery	PUC certificates for vehicles yet to be submitted.
6	Identification, Operation and Rehabilitation of Borrow Areas	Approved Samagudia (Ichchapur), kasoti soil borrow area & Manduka Morrum/soil borrow area are in operation.
7	Identification, Operation and Rehabilitation of Stone Quarry	Contractor is procuring material from vendor.
8	Identification, and Operation of Sand Quarry	- Approved Panthapala & Pakshat sand quarries are in operation.
9	Arrangement for Construction Water	- Contractor excavated bore well at camp for water consumption.
10	Clearing and Grubbing	-Action is being taken as per EMP.
11	Stripping, Stacking and Preservation of Top Soil	After stripping stored top soil is used for turfing purposes.
12	Labour Camp Management	Labour camp has not been proposed.
13	Transportation of Construction Materials and Haul Road Management	Maintaining haul road for transportation purposes & covered vehicles are used for material transportation.
14	Worksite Safety Management	Signages, barricading, delineators are provided at opened construction locations.
15	Accessibility	Any obstruction not reported due to construction work.
16	Disruption to Other Users of Water	Such obstructions have not been occurred while working.
17	Labour Requirements	Labourers engaged are locals.
18	Pollution Management	Pollution monitoring yet to be started, housekeeping is proper.
19	Drainage and Flood Control	Not observed any blockage of cross drainage and provided temporary drainage for water accumulation.
20	Slope Protection and Control of Soil Erosion	Slope protection is done.
21	Waste Management	Scarified/dismantled materials are used in diversion, in haul road maintenance.
22	Chance Found Archaeological Property	No archaeological property found.
23	Demobilisation and Decommissioning	No activity during the month.



5.2 ROAD SAFETY

Efforts are being made to ensure road safety construction.



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Chapter 6. Variation and Changes

6.1 SUMMARY OF CHANGE ORDER

Sl. No.	Change Order No.	Description of Change Item	Increase in Cost (INR)	Saving in Cost	Revised Contract Price (INR)	Percentage of Increase/Decrease on Contract Price	Cumulative % of Increase/Decrease of Contract Price	Status of approval by Employer
1	1	To provide HPC @ Hume pipe culvert @ Ch.43+180(1X1.2m dia) in place of box culvert		-1500000	977497903	-0.15%	-0.15%	Approved through PMU-(WB)-159/2015-12111,Dt.16.03.2016
2	2	Replacement of Flexible pavement by Rigid pavement with saucer drain from km.44+800 to Ch. 45+100(0.300 km)	4100000		981597903	0.42%	0.27%	Approved through PMU-(WB)-159/2015-12111,Dt.16.03.2016
3	3	Hume Pipe Culvert @ Ch.38+363 (2x1.0m dia) in place of HPC (1X1.0m dia)	700000		982297903	0.07%	0.34%	Approved through PMU-(WB)-159/2015-12114,Dt.16.03.2016
4	4	To provide Box culverts in place of Hume Pipe culverts over canal crossings and to increase the span of Box culverts proposed in Contract to provide free flow of water in canals.	15100000		997397903	1.54%	1.88%	Approved through Letter No-555,Dt.05.01.17
5	5	Roadway width to be increased to 14m from the original provision of 12m	54000000		1051397903	5.52%	7.40%	Approved through Letter No-554,Dt.05.01.17

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6	6	Replacement of Flexible pavement by Rigid pavement with saucer drain from Km. 26+500 to Km.27+250. (0.750 km)	10200000		1061597903	1.04%	8.44%	Approved through Letter No-4750,Dt.08.02.17
7	7	Providing HPC culvert of size 1x1m dia at ch.25+425	354000		1061951903	0.04%	8.48%	Approved through Letter No-9944,Dt.16.03.17
8	8	Additional Hume pipe culvert(1x1.0M dia)	354000		1062305903	0.04%	8.51%	Approved through Letter No-11684,Dt.27.03.17
9	9	Box culvert with additional Pipes of 1200 mm dia on Both sides	354000		1062659903	0.09%	8.57%	Approved through Letter No-31123,Dt.09.08.17
10	10	Deletion of 27 nos of Busbays& passenger shelters		-18200000	1044459903	-1.86%	6.71%	Approved through Letter No-31122,Dt.09.08.17
11	11	Earthfill in shoulders besides saucer drains	400000		1044859903	0.04%	6.74%	Approved through Letter No-31126,Dt.09.08.17
12	12	Box Culver (6x3) converted into Minor Bridge (8x5) Ch.36+873	4800000		1049659903	0.49%	7.23%	Approved through Letter No-31125,Dt.09.08.17
13	13	Construction of Box drain in additional to saucer drain from Km 44+450 to Km 44+850 RHS	3400000		1053059903	0.35%	7.58%	Approved through Letter No-31124,Dt.09.08.17
			93762000	-19700000				



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.

Sl. No.	Description of Tests conducted	Number of Tests conducted	No. of Tests Failed	Remedial measure adopted
1	Embankment control Tests	0	0	
2	Tests in Sub grade	16	2	
3	Tests in GSB	0	0	
4	Tests in WMM	2	0	
5	Tests in DLC	0	0	
6	Tests in DBM	1	0	
7	Tests in BC	14	0	
8	Coarse aggregate for Structures (Gradation)	21	0	
9	Fine aggregate for Structures (Gradation)	0	0	
10	Cement	1	0	
11	Cube Compression Tests (28 days)	45	0	



Chapter 8. Mobilisation

8.1 CONSULTANT'S TEAM

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

S No.	Designation	Name	Joining Date	Remark
1	Highway Engineer cum Acting Resident Engineer	Mr. Deepak Kumar	24 April 2017	
2	Quantity Surveyor	Mr. Ravi Bhushan Rehalia	01-Nov-16	
3	Bridge Engineer	Mr.. Arun Kumar Ghosh	01-Oct-16	
4	Material Engineer	Mr. Nilesh Kumar J. Hapaliya	01-Dec-15	
5	Environment And Safety Expert	Mr. Mukesh Srivastava	01-Jan-16	
6	CADD Engineer	Ms. Luin Mohanty	15-Nov-16	
7	Asst. Quantity Surveyor	Mr. Manoj Kumar	10-May-17	
8	Asst. Highway Engineer-1	Mr. Sukant Sahoo	01-Jan-16	
10	Asst. Bridge Engineer-1	Mr. Ratikant Nayak	04-Dec-15	
11	Asst. Material-cum-Quality Engineer-1	Mr. Pramod Ranjan Suthar	27-Jan-16	
12	Asst. Material-cum-Quality Engineer-2	Mr. Ramesh Chandra Das	01-Mar-16	
13.	Asst. Surveyor-1	Mr. Pradeep Kumar Swain	01-Dec-15	
14	Lab Technician	Mr. Prasanjeet Mohanty	04-Dec-15	
15	Office Manager-cum-Accountant-1	Mr. Jayanta Kumar Sen	01-Aug-14	
16	Computer Operator-cum-Office Assistant-1	Ms. Jyotirmayee Swain	02-Jan-17	
17	Office Attendant/Watchman	Mr. Rajesh Kumar Nayak	24-June-17	

8.2 CONTRACTOR'S TEAM

The Contractor's Key Mobilisation status is as follows:

Sl. No	Position	Name	Date of Joining
1	Project Manager	Mr. Krisnananda Nayak	05.11.2015
2	Highway Engineer	Mr. Srikanta Rout	04.12.2015
3	Bridge Engineer	Mr. Sushil Kumar Sahu	05.11.2015
4	Material Engineer	Mr. Sanjeeb Choudahary	12.11.2015
5	Equipment Maintenance Engineer	Mr. Chandan Pradhan	14.11.2015
6	Quantity Surveyor	Mr. Rasmi Ranjan Swain	01.10.2016
7	Environment & Safety Manager	TBN	



Monthly Progress Report August -2017-P04A2

8.3 STATUS OF PLANT AND EQUIPMENT OF CONTRACTOR

Sl. No	Description of Equipment/Plant	Min. No. as per Contract (own)	Available at site	Remarks
1	Mechanical Bitumen Sensor Paver	01	01	
2	Motor Grader	02	01	
3	Hydraulic Excavator	02	01	
4	Vibratory Roller (Tandem Roller)	03	02	
5	Pneumatic Tyre Roller	01	01	
6	Transit Mixer	05	0	
7	Front end Loader	03	01	
8	Dozer	01	01	
9	Tipper	30	10	
10	Bitumen sprayer	01	01	
11	Earth Compactor	03	03	
12	Water tanker	05	03	
13	Mechanical Paver	01	01	
14	Concrete Pump	02		
15	Concrete fixed from Paver	01		
Plants				
1	Hot Mix Plant (Batch Mix only)	01	01	
2	Concrete Batch-mix Plant	01	01	At Mouza Kashoti is in operation
3	Cone Crushing Unit	01	01	
4	WMM Plant	01	01	

The following survey instruments are available at site:

Sl. No.	Name of the instrument	Quantity (Nos.)
1	Total station	01
2	Auto level	03



Chapter 9. Visits and Meetings

Site Visits:

1. Mr. Manoranjan Mishra, EE, PMU and Team Leader visited the site on 10.08.17
2. Mr. Bimal Chandra dash, SE, Mr.Manoranjan Mishra, EE, PMU visited the site on 22.08.17

Meetings:

1. Meeting with Team leader on review of Progress held at Nirman Soudha, Bhubaneswar on 21.08.17



Chapter 10. Important Correspondence during the Month

10.1 SUBMISSIONS AND APPROVALS

- Nil

10.2 CORRESPONDENCES

Contractor

- Incoming: 02 Nos.
- Outgoing: 04 Nos.

Employer

- Incoming: 01 No.
- Outgoing: 04 Nos.

The list of important correspondences made during the month is furnished as Annexure-4.



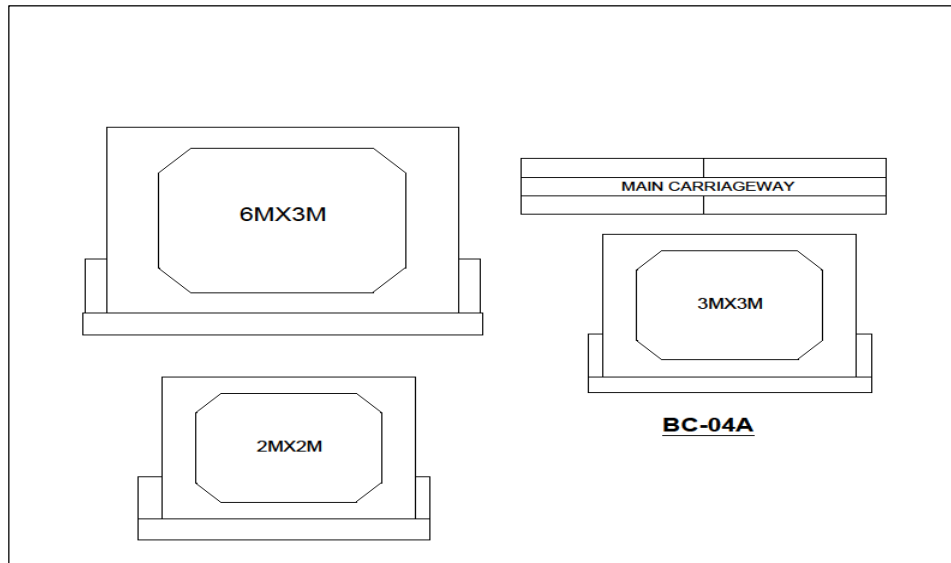
Chapter 11. Weather during the Month

Sl. No.	Date	Maximum Temp °C	Minimum Temp °C	Rain Fall (mm)	Remarks
1	01-Aug-17	38.0	34.0	Nil	Cloudy
2	02-Aug-17	38.0	25.0	Nil	Cloudy
3	03-Aug-17	36.5	34.0	Nil	Cloudy
4	04-Aug-17	37.0	34.0	Nil	Cloudy
5	05-Aug-17	32.0	26.0	20mm	Rainy
6	06-Aug-17	39.0	34.0	Nil	Cloudy
7	07-Aug-17	38.5	36.0	15mm	Cloudy & Rainy
8	08-Aug-17	39.5	35.0	Nil	Cloudy
9	09-Aug-17	37.0	31.0	Nil	Cloudy
10	10-Aug-17	38.0	29.0	Nil	Cloudy
11	11-Aug-17	37.0	29.0	Nil	Cloudy
12	12-Aug-17	38.0	30.0	Nil	Cloudy
13	13-Aug-17	37.5	29.5	Nil	Cloudy
14	14-Aug-17	38.0	34.0	Nil	Cloudy
15	15-Aug-17	38.0	29.0	Nil	Cloudy
16	16-Aug-17	36.0	29.0	5mm	Cloudy & Rainy
17	17-Aug-17	37.5	30.0	Nil	Cloudy
18	18-Aug-17	37.0	31.0	17mm	Cloudy & Rainy
19	19-Aug-17	38.5	32.0	10mm	Cloudy & Rainy
20	20-Aug-17	37.0	31.0	12mm	Cloudy & Rainy
21	21-Aug-17	39.0	34.0	Nil	Cloudy
22	22-Aug-17	38.5	34.0	Nil	Cloudy
23	23-Aug-17	37.5	35.0	Nil	Cloudy
24	24-Aug-17	37.0	34.0	30mm	Rainy
25	25-Aug-17	38.0	30.0	20mm	Rainy
26	26-Aug-17	37.0	31.0	10mm	Cloudy & Rainy
27	27-Aug-17	36.5	35.0	48mm	Rainy
28	28-Aug-17	32.0	25.0	130mm	Rainy
29	29-Aug-17	36.0	29.0	5mm	Cloudy & Rainy
30	30-Aug-17	38.5	29.0	Nil	Cloudy & Rainy
30	31-Aug-17	37.5	30.0	30mm	Rainy

Nischintakoli - Duhuria Road Project (Package P04A2)
(km 25+00 TO 49+00)
Progress Report of Box Culverts

Status as on August 2017

Culvert Number	1		2		3		4		5	6		7		8		9		10		11	
Chainage	25+971		28+173		32+580		32+978		35+042	36+721		37+195		38+795		38+937		42+528		43+673	
Side	L	R	L	R	L	R	L	R	Full Width	L	R	L	R	L	R	L	R	Full Width	Full Width		
Return Wall																					
Approach Slab																		NA			
Slab																					
Side Wall																					
Haunch/ Stater																					
Raft with key																					
PCC																					
Excavation																					



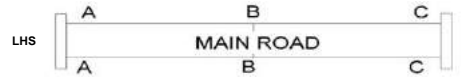
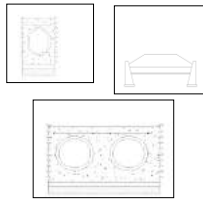
Nischintakoli - Duhuria Road Project (Package P04A2)
(km 25+00 TO 49+00)
Progress Report of Pipe Culverts

Status as on August 2017

Culvert Number		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		
Chainage		25+000	25+268	25+425	25+579	26+306	26+550	26+173	26+685	27+100	27+220	27+980	29+208	29+118	29+500	29+960	30+220	30+660	31+100	31+460	31+680	32+340	32+600	33+390	33+710	33+950	34+225	34+610	35+240	35+725	36+000	36+100	36+546	37+680	37+925		
Head Wall	LHS																																				
	RHS																																				
Pipe Laying	LHS																																				
	RHS																																				
Pipe Bed concrete	LHS																																				
	RHS																																				
Pipe Bed filling sand	LHS																																				
	RHS																																				
Pipe bed excavation	LHS																																				
	RHS																																				
Head Wall PCC	LHS																																				
	RHS																																				
Head wall Excavation	LHS																																				
	RHS																																				

Culvert Number		35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66				
Chainage		38+363	39+440	39+740	39+940	40+174	40+440	40+690	40+960	41+267	41+710	41+900	42+310	42+630	42+985	43+180	43+780	44+100	44+450	44+870	45+210	45+500	45+660	45+870	46+180	46+432	46+660	46+966	47+260	47+550	47+805	48+140	48+980				
Head Wall	LHS																																				
	RHS																																				
Pipe Laying	LHS																																				
	RHS																																				
Pipe Bed concrete	LHS																																				
	RHS																																				
Pipe Bed filling sand	LHS																																				
	RHS																																				
Pipe bed excavation	LHS																																				
	RHS																																				
Head Wall PCC	LHS																																				
	RHS																																				
Head wall Excavation	LHS																																				
	RHS																																				

Culvert Number	
Chainage	
Head Wall	LHS
	RHS
Pipe Laying	LHS
	RHS
Pipe Bed concrete	LHS
	RHS
Pipe Bed filling sand	LHS
	RHS
Pipe bed excavation	LHS
	RHS
Head Wall PCC	LHS
	RHS
Head wall Excavation	LHS
	RHS



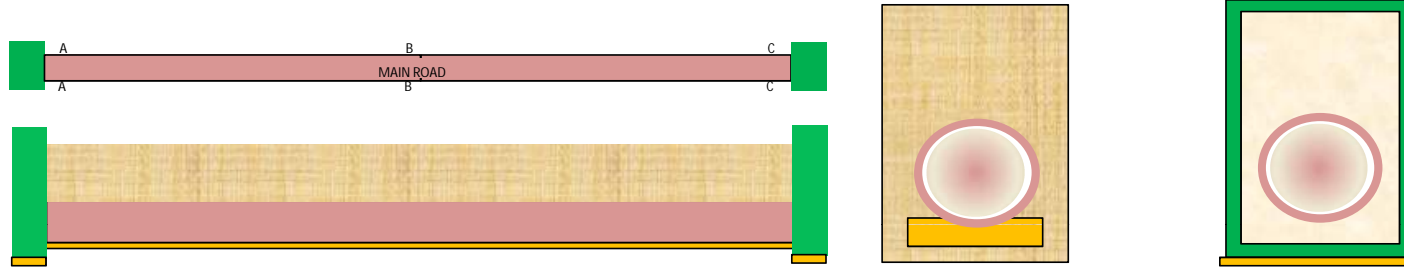
- Completed
- In Progress
- Yet to be taken up
- Executed in previous Contract

APPENDIX-2

Nischintakoli - Duhuria Road Project (Package P04A2)
(km 25+00 TO 49+00)
Progress Report of Pipe Culverts For Utility Only

Status as on August 2017

Culvert Number		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Chainage		26+173	26+550	27+220	29+500	33+390	36+000	37+580	38+363	39+740	40+940	41+680	44+450	45+200	48+150	48+870
Chamber	LHS															
	RHS															
Pipe Laying	LHS															
	RHS															
PCC(Chamber)	LHS															
	RHS															
PCC(Bedding)	LHS															
	RHS															
Sand filling	LHS															

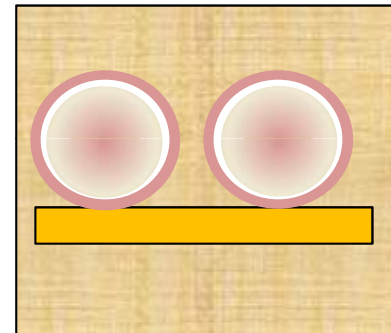
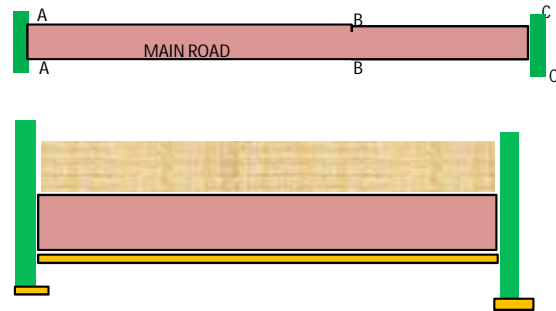


APPENDIX-2

Nischintakoli - Duhuria Road Project (Package P04A)
(km 25+00 TO 49+00)
Progress Report of Reptile Underpass

Status as on August 2017

Culvert Number		1	2	3	4	5
Chainage		25+000	31+100	33+950	40+174	43+780
Head Wall	RHS					
	LHS					
Pipe Laying	RHS					
	LHS					
PCC(Head wall)	RHS					
	LHS					
PCC(Bedding)	RHS					
	LHS					
Excavation	RHS					
	LHS					



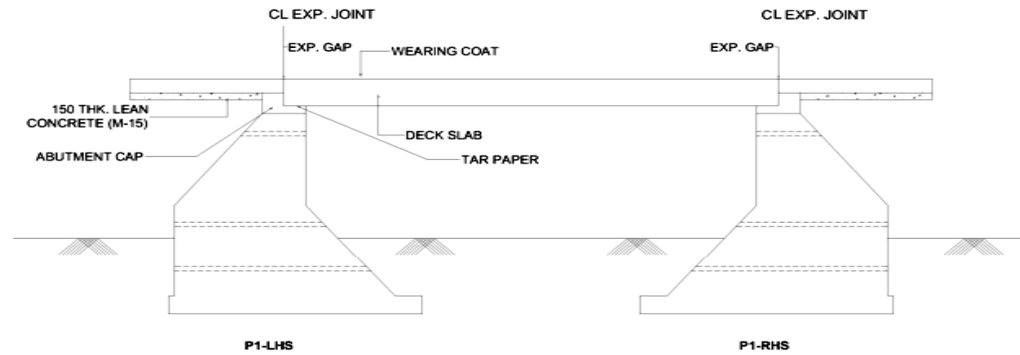
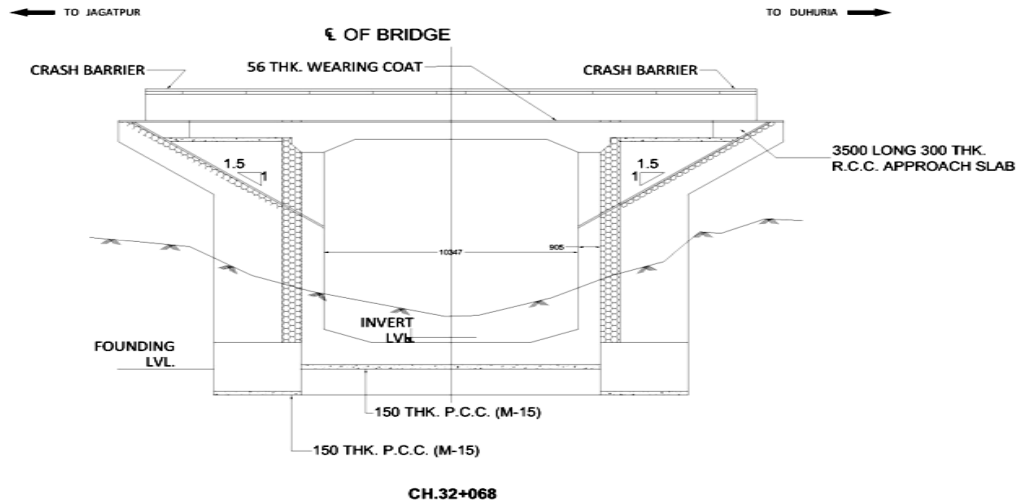
Nischintakoli - Duhuria Road Project (Package P04A)

(km 25+00 To 49+00)

Progress of Minor Bridge (Typical Fig.)

Status as on August 2017

Bridge Number		1	
Chainage		32+068	
	Side	Jagatpur Side	Duhuria Side
Wing Wall	RHS		
	LHS		
Approach Slab	RHS		
	LHS		
Slab	RHS		
	LHS		
Side Wall	RHS		
	LHS		
Haunch/ Stater	RHS		
	LHS		
Raft with key	RHS		
	LHS		
PCC	RHS		
	LHS		
Excavation	RHS		
	LHS		



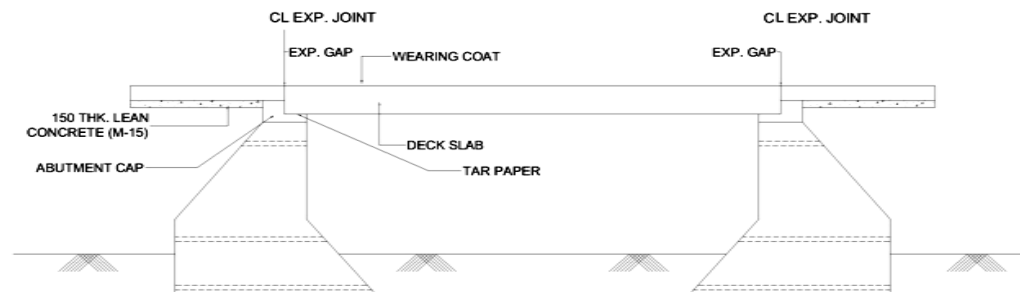
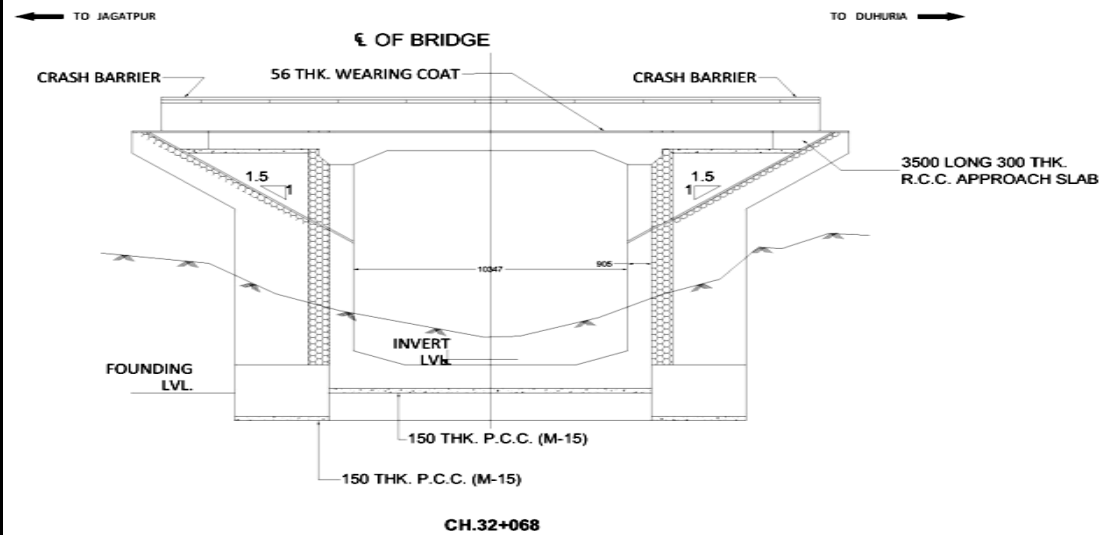
Nischintakoli - Duhuria Road Project (Package P04A)

(km 25+00 To 49+00)

Progress of Minor Bridge (Typical Fig.)

Status as on August 2017

Bridge Number		1	
Chainage		36+873	
	Side	Jagatpur Side	Duhuria Side
Wing Wall	RHS		
	LHS		
Approach Slab	RHS		
	LHS		
Slab	RHS		
	LHS		
Side Wall	RHS		
	LHS		
Haunch/ Stater	RHS		
	LHS		
Raft with key	RHS		
	LHS		
PCC	RHS		
	LHS		
Excavation	RHS		
	LHS		



Construction super vision of Nischintakoili to Duhuria (Km.25/000 to Km.49/000 of MDR)(Balance Work) of SH9 of Odisha state Roads Project.

INCOMING CORRESPONDENCES FOR THE MONTH OF AUGUST-2017

Sl. No.	Date	Letter Reference No	Subject	From
CLIENT (ODISHA WORKS DEPARTMENT)				
1	30.08.2017	PMU-WB-11/2016-33288	Obsearvation on IPC-19 REGARDING A2	OWD
CONTRACTOR-VARAHA				
1	08.08.2017	VARAHA/RE/DUHURIA/17-18/98	Notice under clause 20.01 of GCC Agreement No-0f5 of 2015-16	VARAHA
2	26.08.2017	VIL/LASA/P04A2/SITE/2016-2017/120	Submission of HPC working Drawing for approva(Access road)	VARAHA

Construction super vision of Nischintakoili to Duhuria (Km.25/000 to Km.49/000 of MDR) (Balance Work) of SH9 of Odisha state Roads Project.				
OUTGOING CORRESPONDENCES FOR THE MONTH OF AUGUST-2017				
Sl. No.	Date	Letter Reference No	Subject	To
CLIENT (ODISHA WORKS DEPARTMENT)				
1	01.08.2017	LASA/RE-1/73466/P04A2/565	Submission of MPR for the month of June-17 P04A2	owd
2	01.08.2017	LASA/RE-1/73466/P04A2/567	Submission of Quarterly progress Report for the month of april 2017 to June 2017(P04A2)	owd
3	04.08.2017	LASA/RE-1/73466/P04A2/571	Submission of Application for Interim Payment Certificate No-19.(P04A2)	owd
4	31.08.2017	LASA/RE-1/73466/P04A2/588	Submission of 'Monthly Progress Report' for the month of July, 2017 (P04A2).	owd
CONTRACTOR-VARAHA				
1	10.08.2017	LASA/RE-1/73466/P04A2/575	Regarding refund of excess royalty deducted from the bills and non deduction of such royalty from the fourthcoming bills.	VARAHA
2	26.08.2017	LASA/RE-1/73466/P04A2/582	Issue of Access Road Culverts locations	VARAHA
3	29.08.2017	LASA/RE-1/73466/P04A2/584	Request for extension time under clause 8.4 of GCC.	VARAHA
4	30.08.2017	LASA/RE-1/73466/P04A2/586	Observation on IPC-19 P04A2	VARAHA