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- Appendix 1 – Strip Chart of Highways
- Appendix 2 – Strip Chart of Structures
- Appendix 3– List of GFC Drawings Issued
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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 1<sup>st</sup> 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;

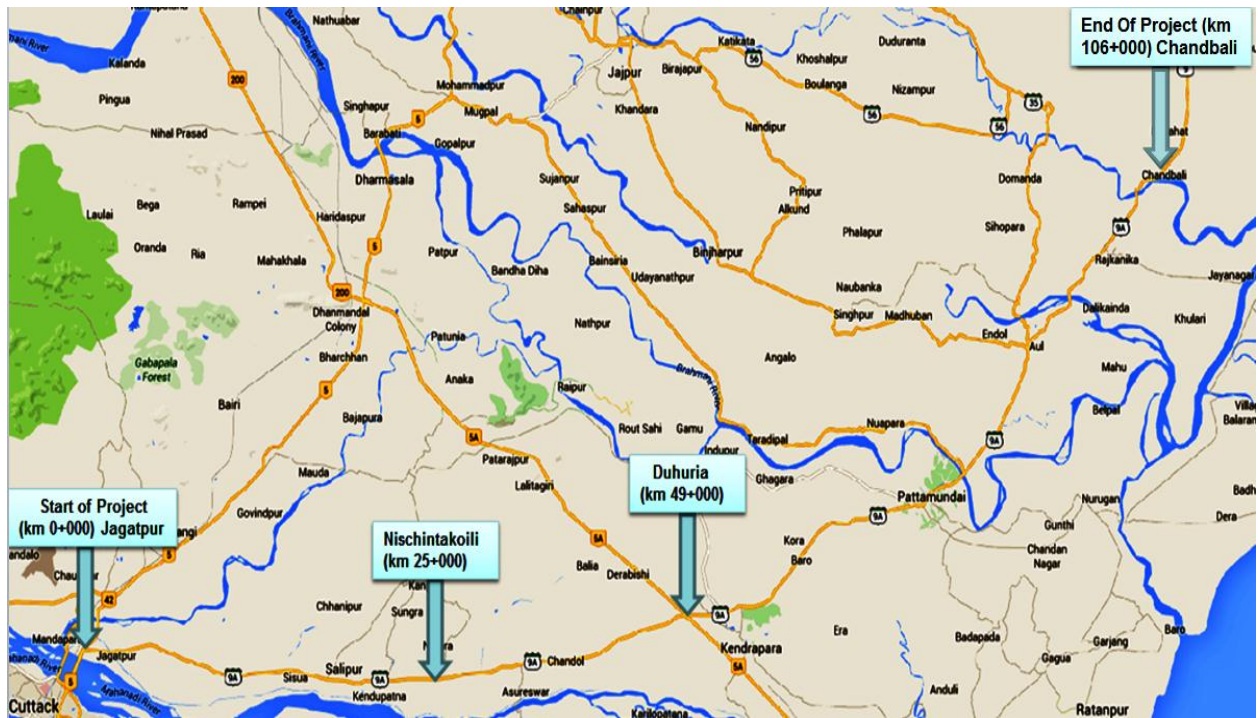


Figure 1-1: Location Map

### 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 :- 1<sup>st</sup> January 2016
- Scheduled Date of Completion :- 30<sup>th</sup> June 2017
- Progress Achieved till this month :- 84.74%

## 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 Deleted.
- Junctions 51 No's

### 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 54Nos.(As per contract)  
25 No's to be constructed as per site condition

### 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	10 km in different stretches	30.06.2017





## Monthly Progress Report October-2017-P04A2

# 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	17.869	0.000	17.869	0.000	17.869	0.031	17.855
		17.90	RHS	17.865	0.000	17.865	0.000	17.865	0.035	
5	DBM	17.90	LHS	17.869	0.000	17.869	0.000	17.869	0.031	17.855
		17.90	RHS	17.865	0.000	17.865	0.000	17.865	0.035	
6	BC	17.90	LHS	17.869	0.000	17.869	0.000	17.869	0.031	17.819
		17.90	RHS	17.835	0.000	17.835	0.000	17.835	0.065	
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;

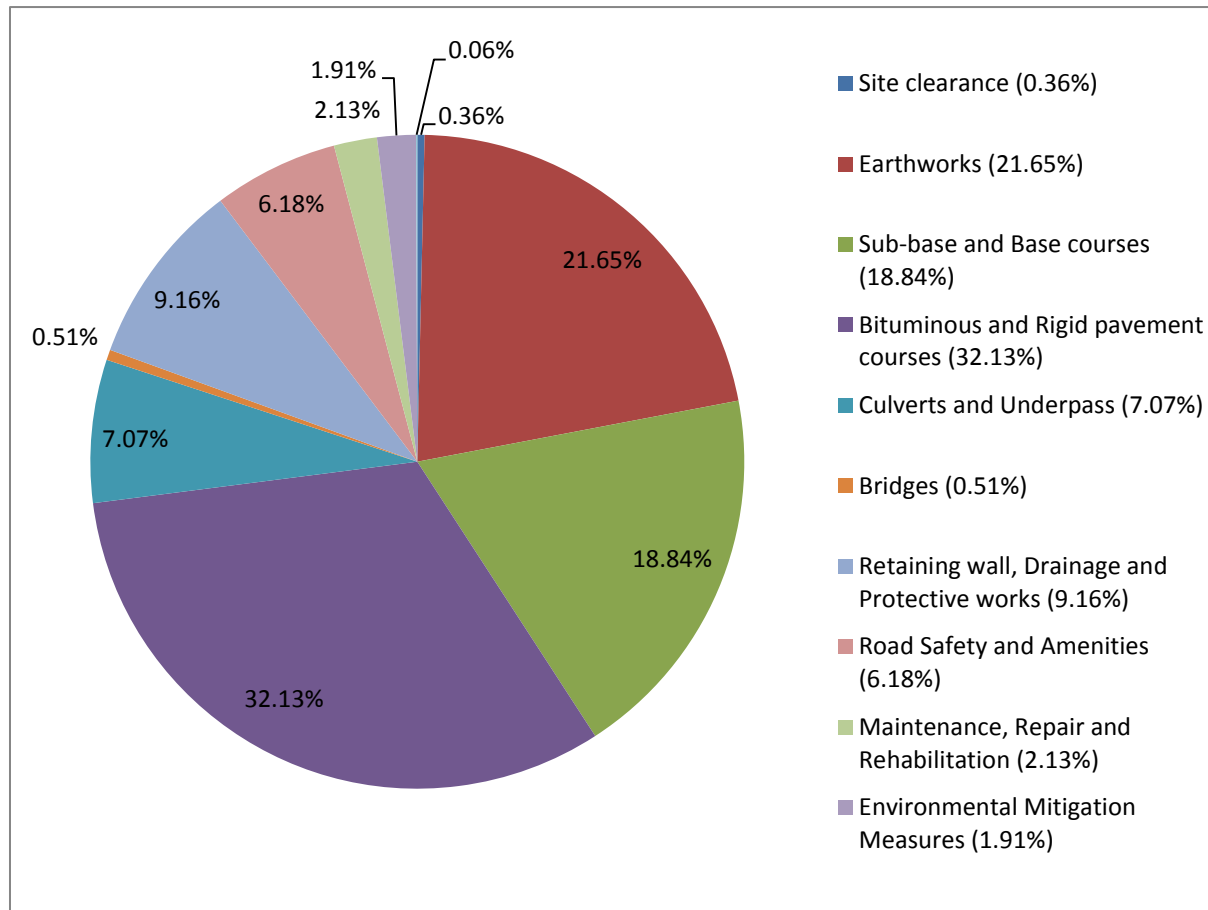


Figure 2-1: Weightage of Major Construction Items



## Monthly Progress Report October -2017-P04A2

### 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	177423	2744	180166	19773	
4	GSB	Cum	65795	67389	303	67692	0	
5	WMM	Cum	54739	45581	674	46255	8484	
6	DBM	Cum	18266	15991	150	16141	2125	
7	BC	Cum	8122	7065	91	7156	966	
8	DLC	Cum	8524	9614	0	9614	0	
9	PQC	Cum	17048	18936	0	18936	0	
10	Excavation for structures	Cum	27268	18956	223	19179	8089	
11	Granular materials	Cum	1410	0	0	0	1410	
12	Sand filling	Cum	2924	7669	29	7698	0	
13	PCC M 15 leveling course	Cum	2988	1242	11	1254	1734	
14	PCC M15 Substructure	Cum	1914	2188	94	2282	0	
15	RCC M 20	Cum	2713	2413	0	2413	300	
16	RCC M 30	Cum	24	244	0	244	0	
17	RCC M 35	Cum	250	836	0	836	0	
18	HYSD	MT	393	162	0.103	162	231	
19	HP 1000 mm single row	Rmt	523	480	95	575	0	
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	25	BS	3	9	12	0	12	13	12



**Metal Beam Crash Barrier at 31+414 to 31+670 LHS**



**Metal Beam Crash Barrier at 31+702 to 32+010 RHS**



Road Marking at 28+400 to 29+189LHS



Road Marking at 32+030 to 32+650 RHS



## 2.3 ROUTINE MAINTENANCE

### 2.4 THE ROAD IS BEING MAINTAINED BY THE CONTRACTOR AS PER REQUIREMENT

Programme of work.

Contractor has not submitted baseline work programme.

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

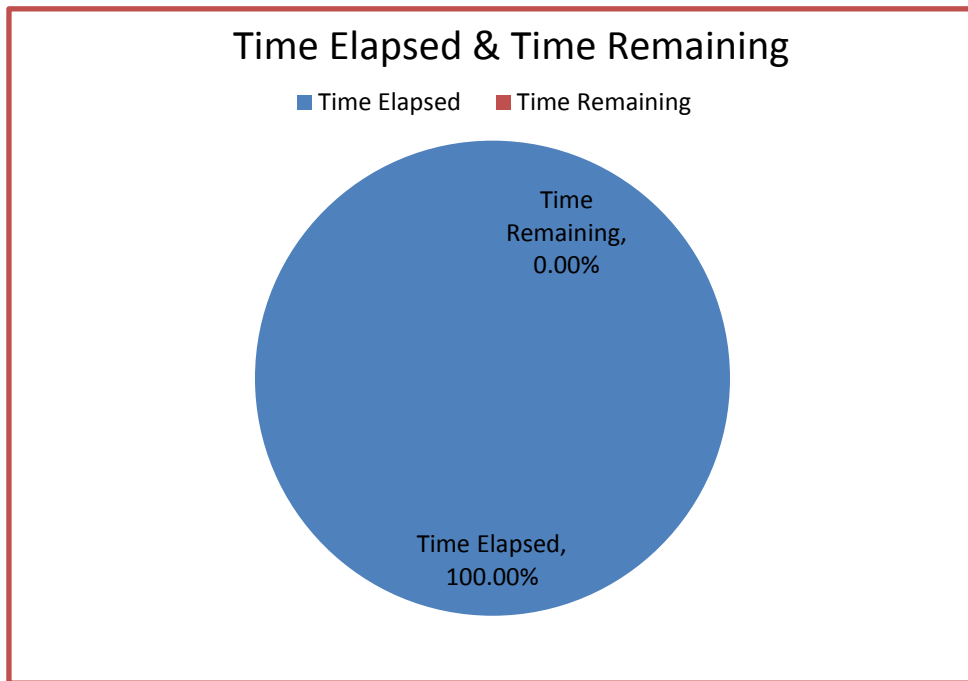
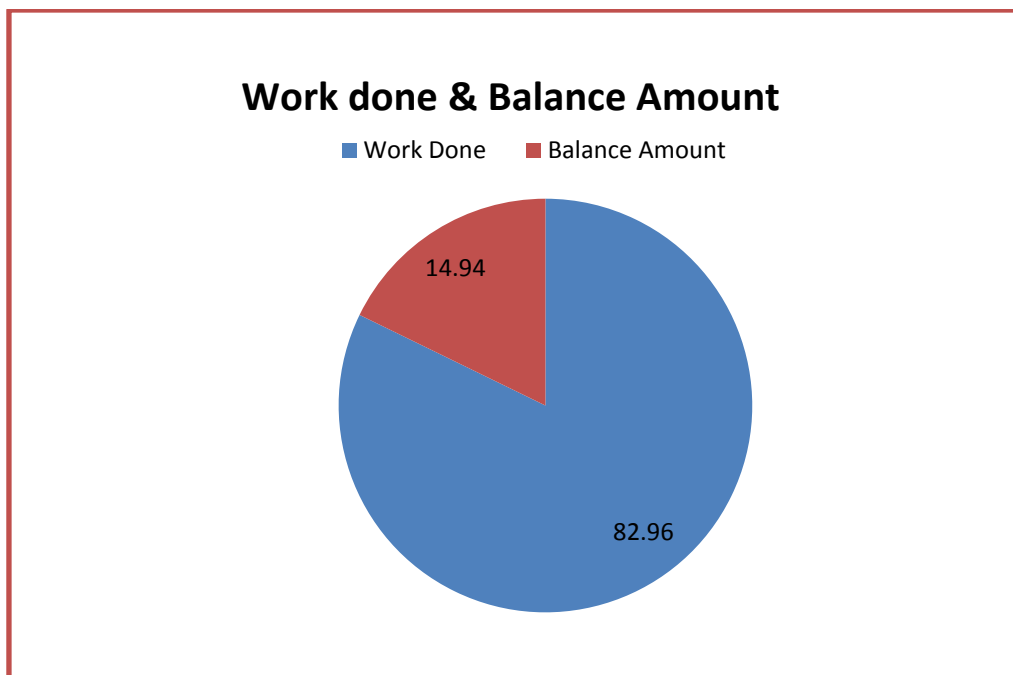


Figure 2-2: Total Duration of the Project (Construction Phase)-18 Months



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### 2.5 FORECAST FOR NEXT MONTH

#### Forecast for November 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	21685	0	0	
4	GSB	Cum	0	0	0	
5	WMM	Cum	9069	0	0	
6	DBM	Cum	2216	0	0	
7	BC	Cum	1020	0	0	
8	DLC	Cum	0	0	0	
9	PQC	Cum	0	0	0	
10	Excavation for structures	Cum	8312	0	0	
11	Granular materials	Cum	1410	0	0	
12	Sand filling	Cum	0	0	0	
13	PCC M 15 levelling course	Cum	1746	0	0	
14	PCC M15 Substructure	Cum	0	0	0	
15	RCC M 20	Cum	300	0	0	
16	RCC M 30	Cum	0	0	0	
17	RCC M 35	Cum	0	0	0	
18	HYSD	MT	231	0	0	
19	HP 1000 mm single row	Rmt	43	0	0	
20	HP 1200 mm single row	Rmt	343	0	0	
21	HP 1200 mm double row	Rmt	45	0	0	
22	Miss. Item, Saucer Drain, Crash Barrier, Road Painting, Turfing etc.				0	
<b>Amount =</b>					<b>0</b>	

#### STATUS OF EXTENSION OF TIME

Contractor had applied for EOT up to 31<sup>st</sup> December 2017. Certain clarifications were asked to justify EOT. While submitting clarification, the contractor has requested for EOT up to 31<sup>st</sup> January 2018. The matter is under review. Employer has communicated provisional EOT up to 30.11.2017.

## Chapter 3. Financial Progress

### 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 31.10.17-
  - a) Gross Amount of Work Rs.82.96Crores
  - b) Amount of work excluding Price Adjustment Rs.82.96Crores
  - c) Mobilisation Advance - Nil
  - d) Material advance - Nil
3. Total (b+c+d) - Rs.82.96Crores
4. Percentage of work executed (2b/1)\*100 **84.74%**

### 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%	4.89	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	3.27%
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%
21	Sep-17	2.71	2.768%	1.33	1.36%
22	Oct-17	0	0%	1.14	1.16%
	<b>Total</b>	<b>8.10</b>	<b>8.274%</b>	<b>82.96</b>	<b>84.74%</b>

### 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
21	21	Sep-17	1.33				1.33	0.04	1.29
22	22	Oct-17	1.14				1.14	0.04	1.10
		<b>Total</b>	<b>82.96</b>				<b>82.96</b>	<b>12.30</b>	<b>70.64</b>



## 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.

### 4.4 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	<b>BMP</b> - Plant has been dismantled from camp. <b>HMP/WMM</b> - 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 Morrur/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 turving 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.



## 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)	Percent age of Increase / Decrease on Contract Price	Cumulati ve % 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
			<b>93762000</b>	<b>-19700000</b>			.	



## 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	60	4	
3	Tests in GSB	30	2	
4	Tests in WMM	27	2	
5	Tests in DLC	0	0	
6	Tests in DBM	27	0	
7	Tests in BC	27	0	
8	Coarse aggregate for Structures (Gradation)	20	0	
9	Fine aggregate for Structures (Gradation)	0	0	
10	Cement	1	0	
11	Cube Compression Tests (28 days)	34	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 17	
2	Quantity Surveyor	Mr. Ravi Bhushan Rehalia	01-Nov-16	
3	Bridge Engineer	Mr.B.Mallikarjuna Rao	05-June-15	
4	Material Engineer	Mr. Niranjan kumar	20-Oct-16	
5	CADD Engineer	Ms. Luin Mohanty	15-Nov-16	
6	Asst. Quantity Surveyor	Mr. Manoj Kumar	10-May-17	
7	Asst. Highway Engineer-1	Mr. Sukant Sahoo	01-Jan-16	
8	Asst. Bridge Engineer-1	Mr. Soumya Sarangi	19-Feb-16	
9	Asst. Material-cum-Quality Engineer-1	Mr. PramodRanjan Suthar	27-Jan-16	
10	Asst. Surveyor-1	Mr. Pradeep Kumar Rana	01-Sept-17	
11	Office Manager-cum-Accountant-1	Mr. Jayanta Kumar Sen	01-Aug-14	
12	Computer Operator-cum-Office Assistant-1	Ms. Jyotirmayee Swain	02-Jan-17	
13	Office Attendant/Watchman	Mr. Rajesh Kumar Nayak	24-June-17	
14	Office Attendant/Watchman	Mr. Sachin Kumar Mandal	01-Oct-2016	

### 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	



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### 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	01	
5	Pneumatic Tyre Roller	01	01	
6	Transit Mixer	05	01	
7	Front end Loader	03	01	
8	Dozer	01	01	
9	Tipper	30	10	
10	Bitumen sprayer	01	01	
11	Earth Compactor	03	02	
12	Water tanker	05	03	
13	Mechanical Paver	01	0	
14	Concrete Pump	02		
15	Concrete fixed from Paver	01		
<b>Plants</b>				
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. Bimal Chandra Dash, SE cum Employer's Representative(Cuttack) Mr.Manoranjan Mishra, (EE, PMU), Mr. G.P. Sahoo (Team Leader-LASA) and Mr. A.R. Sinha (AEE R&B Cuttack) visited the site on 26.10.17
2. Mr. Pradyot Biswas, Associate Director, LASA, and Mr. G.P. Sahoo, Team Leader, LASA ) visited the site on 11.10.17

### Meetings:

1. Meeting with Collector, Kendrapara for review of the project on dated 12.10.2017



## Chapter 10. Important Correspondence during the Month

### 10.1 SUBMISSIONS AND APPROVALS

- 01no.

### 10.2 CORRESPONDENCES

#### Contractor

- Incoming: 05 nos
- Outgoing: 04nos.

#### Employer

- Incoming: 2 nos.
- Outgoing: 06 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-Oct-17	35.29	26.19	18.12	Rainy
2	02-Oct-17	38.25	27.80	17.32	Rainy
3	03-Oct-17	35.36	27.81	Nil	Sunny
4	04-Oct-17	34.90	26.90	Nil	Sunny
5	05-Oct-17	32.80	28.80	Nil	Cloudy & Sunny
6	06-Oct-17	30.70	27.20	12.8	Rainy
7	07-Oct-17	34.60	27.00	Nil	Cloudy & Sunny
8	08-Oct-17	34.30	26.80	15.31	Rainy
9	09-Oct-17	33.80	27.00	11.70	Rainy
10	10-Oct-17	34.50	27.40	Nil	Cloudy & Sunny
11	11-Oct-17	35.70	26.60	Nil	Cloudy & Sunny
12	12-Oct-17	36.30	27.00	Nil	Cloudy & Sunny
13	13-Oct-17	35.70	27.20	Nil	Cloudy & Sunny
14	14-Oct-17	36.10	27.40	Nil	Cloudy & Sunny
15	15-Oct-17	37.10	27.20	Nil	Cloudy & Sunny
16	16-Oct-17	37.10	27.20	Nil	Cloudy & Sunny
17	17-Oct-17	34.40	26.80	Nil	Cloudy & Sunny
18	18-Oct-17	33.80	26.60	9.29	Rainy
19	19-Oct-17	32.30	26.20	18.15	Rainy
20	20-Oct-17	27.50	25.90	10.62	Rainy
21	21-Oct-17	33.30	25.60	Nil	Cloudy & Sunny
22	22-Oct-17	34.20	25.80	Nil	Cloudy & Sunny
23	23-Oct-17	35.40	25.60	Nil	Sunny
24	24-Oct-17	35.10	25.90	Nil	Cloudy & Sunny
25	25-Oct-17	34.90	25.60	Nil	Cloudy & Sunny
26	26-Oct-17	33.80	26.80	Nil	Sunny
27	27-Oct-17	33.50	25.70	Nil	Cloudy & Sunny
28	28-Oct-17	31.80	25.80	Nil	Cloudy & Sunny
29	29-Oct-17	34.29	24.69	Nil	Cloudy & Sunny
30	30-Oct-17	34.58	26.10	Nil	Cloudy & Sunny
31	31-Oct-17	34.79	26.68	Nil	Cloudy & Sunny