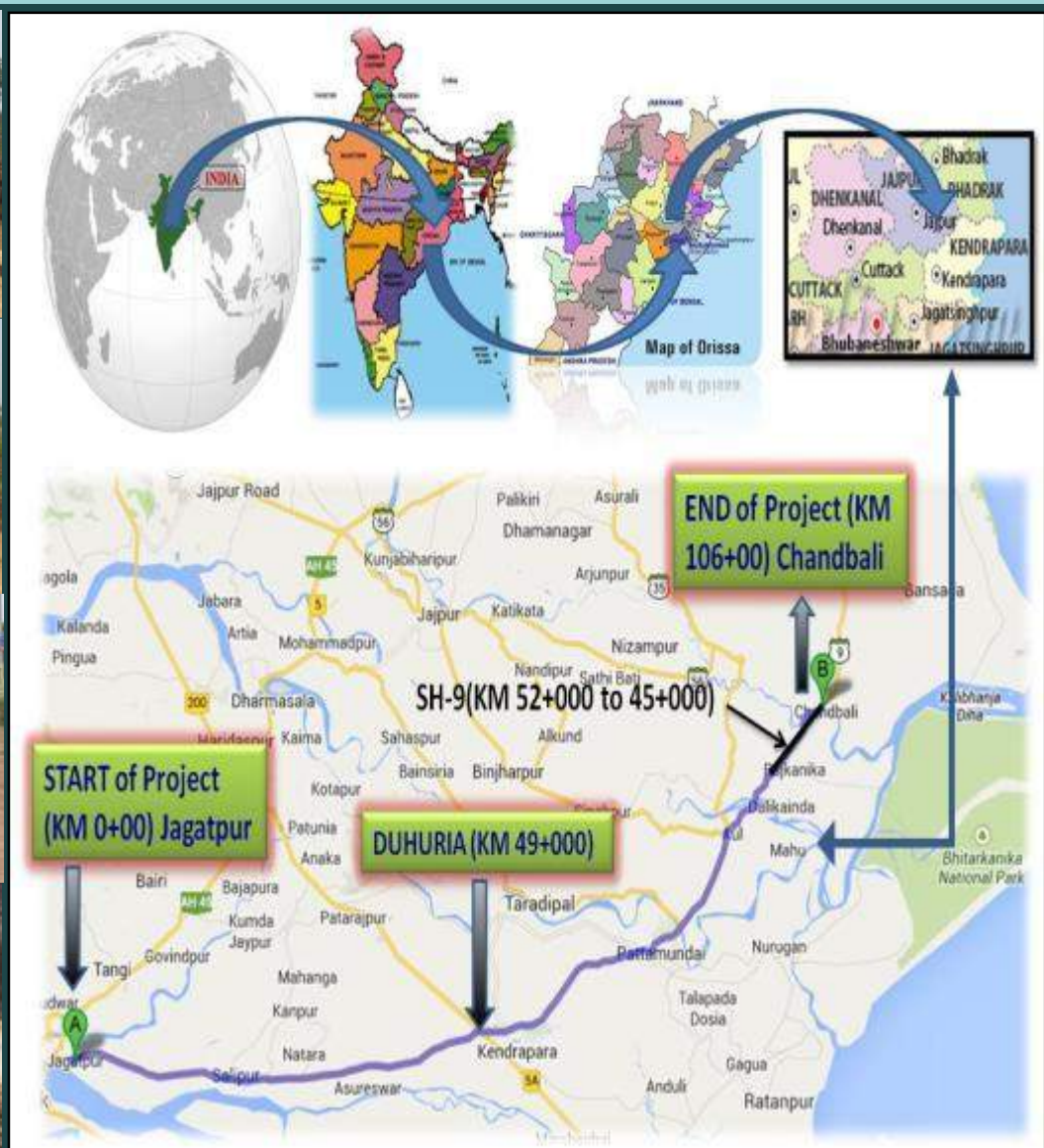


GOVERNMENT OF ODISHA WORKS DEPARTMENT
ODISHA STATE ROADS PROJECT

QUARTERLY 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-P04B, Duhuria-Chandbali Road (49/0 km to 106/0 km of MDR)



JULY 2017 to OCTOBER 2017



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



CONTENTS

CHAPTER 1. EXECUTIVE SUMMARY	2
1.1 PROJECT BACKGROUND	2
1.2 THE PROJECT	2
1.3 CONTRACT MANAGEMENT FRAME WORK	3
1.4 PROJECT DETAILS	4
1.5 SALIENT FEATURES	4
1.6 MILESTONES.....	5
CHAPTER 2. WORK SUMMARY OF THE QUARTER.....	6
2.1 ROAD WORK	6
2.2 PROGRESS OF CD WORKS AND STRUCTURE	8
2.3 SECTION WISE ACHIEVEMENT.....	9
CHAPTER 3. STATUS OF COST ELEMENTS	10
3.1 FINACIAL PROGRESS.....	10
3.2 QUARTERWISE PHYSICAL PROGRESS	10
3.3 MOBILIZATION ADVANCE.....	11
3.4 COST ELEMENT FOR THE QUARTER.....	11
CHAPTER 4. PROJECT PROGRAMME	12
4.1 PROGRAMME OF HANDING OVER OF SITES.....	12
4.2 WORK PROGRAMME	12
4.3 PHYSICAL TARGET AND COST FORECAST FORTHE NEXT QUARTER.....	12
4.4 SHEDULE BASE LINE AND PROGRESS – S CURVE.....	13
CHAPTER 5. VARIATION AND CHANGES.....	14
5.1 SUMMARY OF CHANGE ORDER	14
CHAPTER 6. LESSONS LEARNT	17
6.1 LAND ACQUISITION AND REMOVAL OF ENCUBRANCES.....	17
6.2 BORROW AREAS AND STONE QUARRIES.....	17
6.3 TIMELY MOBILISATION OF MAN AND MACHINERIES	17
CHAPTER 7. IIMPORTANTEVENTS DURING THE QUARTER	18

Appendix 1– S Curve

Appendix 2– Bank Guarantee

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 and 2.5m shoulders** on both sides in flat and rolling sections. Later, it is **revised to 7.0 m carriageway, 1.5 m hard shoulders and 1.0 m earthen shoulders on either side**. 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 from Jagatpur to Duhuria and 2nd package from Duhuria to Chandbali. After termination of the Contract of 1st package, it is divided into two packages, viz., Jagatpur to Nischintakoli (P04A1) and Nischintakoli to Duhuria (P04A2). 3rd package is from Duhuria to Chandbali (P04B)

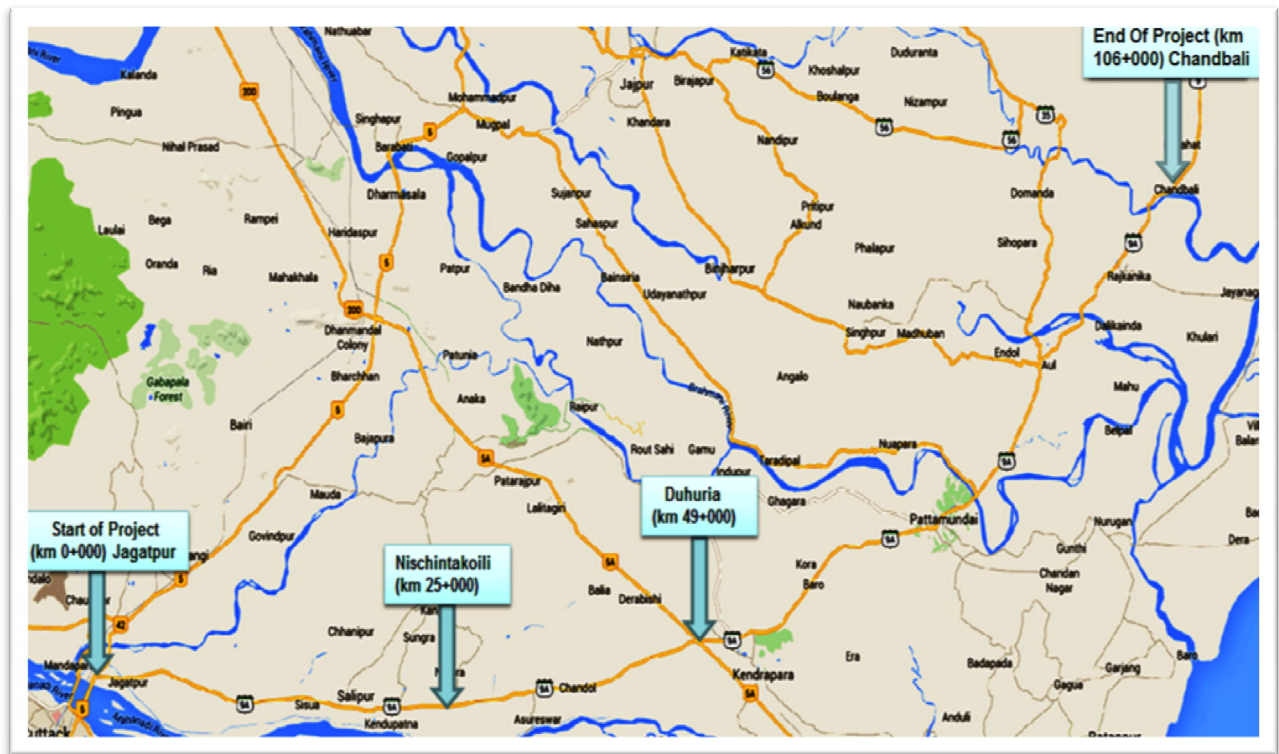
1.2 THE PROJECT

The Duhuria – Chandabali section km 49/00 to km 99/00 (SH9A) and km 45/00 to km 51/500 (SH9) which is a part of Jagatpur - Kendrapada – Chandbali - Bhadrak 152 km project corridor. The road section Duhuria – Chandabali starts from Chainage km 49/00 at Duhuria and ends at km 106/00 at Chandbali. Kendrapada is the headquarter of Kendrapara district. There are in total 14 numbers of major and minor bridges in Duhuria – Chandbali section. Along the project road there are in total 164 culverts and 36 reptile passes. About 21% of the road length passes through built up area.

The total length of the project road is 56.500 Km. the road passes completely through plain terrain. Major stretch of the road is located in the District of Kendrapara. This stretch passes through major human settlements at Kendrapara.

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, Employer's representative-cum-Superintending Engineer, Cuttack, R&B Circle.

1.3.3 Engineer

Mr. Haradhan Das, 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: lasakendrapara@lasaindia.com

1.3.4 Contractor

M/S. DPJ-NKC (JV),

HO: Plot No-63, Phase –IV, Udyog Vihar, Gurgaon-122016(Haryana)

Project Manager – Mr. VP Singh.

Site Office –Plot No.-28-35, Vill: Pohala, Dist-Kendrapara, Pin-754211, Odisha



1.4 PROJECT DETAILS

- Contract Value :- Rs.170,42,73,538
- Period of Construction :- 27 months
- Date of Commencement of Work :- 04th December 2013
- Scheduled Date of Completion :- 03rd March 2016
- Revised Date of Completion:- 07th July.2018
- Progress Achieved till this quarter :- 42.61%

1.5 SALIENT FEATURES

1.5.1 Highways

- Total Length of Project Corridor (MDR + SH 09) 56.50 km

MDR	50.00 km
SH 09	6.50 km
- Type of Carriageway

Flexible	44.75 km
Rigid	11.75 km
- Roadway Width 12 m
- Carriageway Width Revised to 10 m
- Bus Bays and Bus Shelter 38 Nos
- Toll Plaza Nil
- Junctions 119 Nos

1.5.2 Structures

- Minor Bridges 08 Nos
- Rehabilitation & Widening Bridges 06 Nos
- Cattle Underpass 07 Nos
- Box Culverts 06 Nos
- Hume Pipe Culvert 167 Nos

1.5.3 Crust Details

- Flexible Pavement

Sub-Grade	500 mm
GSB	200 mm
WMM	250 mm
DBM	50 mm
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 four sections for completion of work. Details of Sections are furnished below.

➤ **Section-I: Total Length 16.100 Km**

- From Km 58+600 To Km 62+800 & From Km 63+600 to Km 65+400, From Km 66+200 to Km 67+500, From Km 73+000 to Km 74+000, From Km 75+000 to Km 77+600, & From Km 78+100 to Km 83+300.

➤ **Section-II : Total Length 11.800 Km**

- From Km 55+000 to Km 58+600, From Km 62+800 to Km 63+600, From Km 65+400 to Km 66+200, From Km 86+300 to Km 91+000, From Km 91+600 to Km 93+500.

➤ **Section-III(Revised) :Total Length 15.500 Km**

- From Km 49+000 to Km 55+000, From Km 74+000 to Km 75+000, From Km 77+600 to Km 78+100, From Km 83+300 to Km 86+300. From km 93+500 to km 99+000.

➤ **Section-IV(Revised) :Total Length 13.100 Km**

- From Km 67+500 to Km 73+000, From Km 91+000 to Km 91+600, From Km 45+000 to Km 51+500 of SH-9A.

All the above sections have been rescheduled through execution of supplementary Agreement dated 4th March 2017 as follows

Section Name	Length of Section	Stretch of the Section	Revised Date of Completion
Section-I	16.1 km	Between Duhuria to Pattamundai i.e. Km.49.000 to Km.69.000	03.05.2017
Section-II	11.8 km	Anywhere in project corridor	31.10.2017
Section-III	15.5 km	Anywhere in project corridor	23.05.2018
Section-IV	13.1 km	Anywhere in project corridor	07.07.2018

Chapter 2. Work Summary of the Quarter

2.1 ROAD WORK

2.1.1 Linear Progress – Total Length- 56.50 km

Sl. No	Description of Item	Side	Total Length (Km)	Length completed /in Progress in Lane Km.						Length completed over full width		
				Completed upto previous Quarter	Completed during the Quarter	Total Completed	In progress	Cumulative length (completed + in progress)	Balance length to be taken up	Up to previous quarter	During this quarter	Up to date
A	B	C	D	E	F	G=E+F	H	I=G+H	J=D-I	K	L	M=K+L
1	Embankment/ Excavation	LHS	56.5	26.133	0.330	26.46		26.46	30.037	23.865	0.060	23.925
		RHS	56.5	23.865	0.060	23.92		23.92	32.575			
2	Sub grade	LHS	56.5	24.613	1.377	25.99		25.99	30.510	21.500	0.570	22.070
		RHS	56.5	21.500	0.57	22.07		22.07	34.430			
3	GSB	LHS	56.5	20.514	3.156	23.67		23.67	32.830	19.497	0.973	20.470
		RHS	56.5	19.497	0.973	20.47		20.47	36.030			
4	WMM	LHS	44.75	12.289	2.101	14.39		14.39	30.360	12.120	2.101	14.221
		RHS	44.75	12.120	2.560	14.68		14.68	30.070			
5	DBM	LHS	44.75	12.470	1.860	14.33		14.33	30.420	12.080	1.860	13.940
		RHS	44.75	12.080	2.210	14.29		14.29	30.460			
6	BC	LHS	44.75									
		RHS	44.75									
7	DLC	LHS	11.75	4.887	1.903	6.79		6.79	4.961	4.887	0.756	5.643
		RHS	11.75	5.034	0.756	5.79		5.79	5.960			
8	PQC	LHS	11.75	4.769	2.021	6.79		6.79	4.961	4.769	0.800	5.569
		RHS	11.75	4.910	0.800	5.71		5.71	5.799			

Quarterly Progress Report – Jul-17 to Sep -17 (P04B)

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2.1.2 Progress in Quantities

Sl. No.	Description	Unit	BOQ Qty	Total Quantity executed as per BOQ			
				Executed Quantity up to previous Quarter	Executed Quantity During this Quarter	Total Quantity executed	Balance Quantity
1	Emb. in Soil	Cum	194689	84386	761	85147	109542
2	Emb.in Sand	Cum	433394	400773	2955	403728	29666
3	Subgrade	Cum	385595	147141	4047	151188	234407
4	GSB	Cum	128267	52902	4891	57793	70474
5	WMM	Cum	91126	31543	5502	37045	54081
6	DBM	Cum	18056	6093	1038	7131	10925
7	BC	Cum	14008	0		0	14008
8	DLC	Cum	17083	9592	2394	11986	5097
9	PQC	Cum	34165	18726	4645	23371	10794
10	PCC M 15	Cum	13851	5110	167	5277	8574
11	PCC M 20	Cum	13220	1328	198	1526	11694
12	PCC M 25	Cum	643	141	47	188	455
13	PCC M 30	Cum	938	0	12	12	926
14	PCC M 35	Cum	5036	2026	280	2306	2730
15	Saucer Drain	LM	21000	4324	930	5254	15746



2.2 PROGRESS OF CD WORKS AND STRUCTURE

Sl. No.	Structure Type	Total Nos. to be Executed	Side	Completed & In Progress (nos.)						Numbers completed both sides		
				Completed upto Previous Quarter	Completed During Quarter	Completed up to date	In progress	Cumulative Number (completed + in progress)	Balance Number to be taken up	Up to previous quarter	During this quarter	Up to date
A	B	C	D	E	F	G=E+F	H	I=G+H	J=C-I	K	L	M-K+L
1	Minor Bridge	8	BS	3	1	4	2	6	2	3	1	4
2	Rehabilitation & Widening	5	BS						5			
3	Box Culvert/Cattle underpass	14	BS	7	0	7	1	8	6	7		7
4	HP Culvert	167	LHS	111	4	115	1	116	51	100	3	103
		167	RHS	105	5	110	2	112	55			



2.3 SECTION WISE ACHIEVEMENT

Since sections have been rescheduled on length basis, section wise achievement cannot be detailed.



DBM laying at Ch. 79+200 to 79+370 (RHS)



DLC laying from Ch. 53+800 to 54+000 (RHS)



Concreting of PUP at Ch. 70+401 2nd lift wall



Slab Casting at Ch. 69+727

Chapter 3. Status of Cost Elements

3.1 FINANCIAL PROGRESS

Financial Progress achieved up to end of the Quarter under Report is furnished below;

1. Contract Price :Rs. 170.43 Cr
2. Value of work done up to Sep 2017
- a. Gross amount : Rs. 74.05 Cr.
- b. Amount excluding price adjustment : Rs 72.62 Cr.
3. Outstanding Mobilisation Advance : Rs 6.00 Cr.
4. Outstanding Secured Advance : Rs 1.38 Cr.
5. Percentage of Progress (2b/1)*100 : 42.61%

3.2 QUARTERWISE PHYSICAL PROGRESS

Quarter wise physical progress on work proper excluding price adjustment and advances is furnished.

Table 3-1: Quarter-wise Physical Progress

Sl. No.	Quarter	Target as base programme (Rs. Crores)	Achievement During the respective Quarter		Cumulative Achievement	
			Cost of work executed (Rs. Crores)	% wrt Contract price	Cumulative Cost of work (Rs. Crores)	% wrt Contract price
	F.Y. 2013-14					
1	3 rd Quarter(Oct-Dec)			0.00%		0.00%
2	4 th Quarter(Jan-Mar)	1.61	0.73	0.43%	0.73	0.43%
	F.Y. 2014-15					
1	1 st Quarter (April-June)	13.88	0.73	0.43%	1.46	0.86%
2	2 nd Quarter (July-Sept)	11.92	0	0.00%	1.46	0.86%
3	3 rd Quarter (Oct-Dec)	16.5	2.37	1.39%	3.83	2.25%
4	4 th Quarter (Jan-Mar)	27.32	2.18	1.28%	6.01	3.53%
	F.Y. 2015-16					
1	1 st Quarter-(April-June)	39.68	2.87	1.68%	8.88	5.21%
2	2 nd Quarter(July-September)	17.91	1.10	0.65%	9.98	5.86%
3	3 rd Quarter(Oct-December)	35.73	1.34	0.79%	11.32	6.64%
4	4 th Quarter (Jan- March)	5.87	5.54	3.25%	16.86	9.89%
	F.Y. 2016-17					
1	1 st Quarter-(April-June)		10.75	6.31%	27.61	16.20%
2	2 nd Quarter(July-September)		1.67	0.98%	29.28	17.18%
3	3 rd Quarter(Oct-December)		6.7	3.93%	35.98	21.11%
4	4 th Quarter (Jan- March)		16.03	9.41%	52.01	30.52%
	F.Y. 2017-18					
1	1 st Quarter-(April-June)		13.35	7.83%	65.36	38.35%
2	2 nd Quarter(July-September)		7.26	4.26%	72.62	42.61%

Quarterly Progress Report - Jul-17 to Sep-17 (P04B)

ODISHA WORKS
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3.3 MOBILIZATION ADVANCE

Sl. no	Description	Amount (Rs Cr)
1	Gross Amount Paid	8.52
2	Recovered up to date	2.52
3	Outstanding amount	6.00

3.4 COST ELEMENT FOR THE QUARTER

The cost element for the quarter based on the monthly programme submitted by the Contractor is given below.

- | | | |
|---|---|-------------|
| a. Planned Value for the Quarter (PV) | - | Rs 9.42 Cr. |
| b. Earned Value during the Quarter (EV) | - | Rs 7.27 Cr. |
| c. Schedule Variance (EV –PV) | - | Rs 2.15 Cr. |
| d. Schedule Performance Index (EV/PV) | - | 77.18% |

Chapter 4. Project Programme

4.1 STATUS OF HANDING OVER OF SITES

Handing over status of Sections is mentioned below

Section Name as per Contract	Scheduled date of Handing Over	Actual date of handing over	Chainage as per schedule	Remarks
Section I	4-Dec-2013	29-Sep-2013	58+600 to 62+800 63+600 to 65+400 66+200 to 67+500 73+000 to 74+000 75+000 to 77+600 78+100 to 83+300	Obstructions 8 tree, 38 EP, 34 R & R, 15 RWSS are existing
Section II	4-Apr-2014	22-Aug-2014	55+000 to 58+600 62+800 to 63+600 65+400 to 66+200 86+300 to 91+000 91+600 to 93+500	
Section III	4-Aug-2014	11-May-2016	49+000 to 55+000 67+500 to 73+000 74+000 to 75+000 83+300 to 86+300	
Section IV	4-Dec-2014	11-May-2016 (Part -6.1Km) 24-April-2017(Part – 6.5 Km)	77+600 to 78+100 91+000 to 91+600 93+500 to 105+500	

4.2 WORK PROGRAMME

a. Original programme

Contractor has submitted baseline work Program though e-mails on 14.04.14; the same has been reviewed by Engineer and approved.

b. Updated programme

Monthly programme has been submitted by the Contractor. Revised work programme for completion as per Supplementary Agreement dated 4th March 2017 has not been submitted.

4.3 PHYSICAL TARGET AND COST FORECAST FORTHE NEXT QUARTER

A. PHYSICAL TARGET

The Contractor has submitted monthly work programme. This is tabulated below:-

Sl. No.	Description of Item	Linear Target in km (half width) /structure (No.)				Quantity Target in Cum / No			
		Oct-17	Nov-17	Dec-17	Total	Oct-17	Nov-17	Dec-17	Total
1	Embankment	1.4	1.74	1.86	5.0	5135	16338	37210	58683
2	Subgrade	1.0	2.20	3.00	6.2	6070	8596	7827	22493
3	GSB	0.95	2.15	2.99	6.09	4081	3816	8178	16075
4	WMM	0	2.52	2.60	5.12	3120	7089	7930	18139
5	DBM	0	2.52	2.60	5.12	600	750	900	2250
6	BC	4.00			4.00	824			824
7	DLC	0.25	0.35	0.35	0.950	752	884	856	2492
8	PQC	0.25	0.35	0.35	0.950	1588	1821	1699	5108



B. FINANCIAL TARGET

Month	Target - Rs in Crores	Percentage of Contract Amount
Oct-17	3.05	1.79%
Nov-17	6.56	3.85%
Dec-17	12.32	7.23%
Total	21.93	12.87%

4.4 SCHEDULE BASE LINE AND PROGRESS – S CURVE

- | | |
|--|-------------------|
| a. Budget at Completion (BAC):- | Rs.170.43 Crores |
| b. Estimate at completion (BAC+Price Adjustment):- | Rs. 172.66 Crores |
| c. Revised estimate at Completion:- | Rs 225.91 Crores |
| d. Time to Complete:- | 27 months |
| e. Revised Time to complete | 55 months |

Chapter 5. Variation and Changes

5.1 SUMMARY OF CHANGE ORDER

Change Order No.	Description of Change Item	Increase in cost (Cr)	Revised contract Price (Cr)	Percentage of increase/ decrease on contract price	Cumulative % of increase/ decrease of contract price	Remarks
1	Carrying and Confirmatory bores up to required depth at locations of bridges as directed by the Engineer complete in all respects, conducting all the tests required as directed by the Engineer and as per Technical Specification Section 2400 and interpretation of the bore data and presentation of the results and as per the direction of the Engineer.	0.39	0.39	0.23%	0.23%	Submitted to Employer for approval
2	Four-lane road divided carriageway in Kendrapara town area with rigid pavement from Km 49+000 to Km 53+200.	3.62	4.01	2.12%	2.35%	--do--
3	Addition of Underpass at Km 70+401 and profile correction in Km 70+080 to 70+700	0.61	4.62	0.36%	2.71%	Approved
4	Providing rigid pavement in place of flexible pavement at Km 58+000 to 58+050 and 91+400 to 91+600.	0.25	4.87	0.15%	2.86%	--do--
5	Addition/deletion of HP Culverts	0.11	4.98	0.06%	2.92%	--do--
6	Widening of culverts envisaged in Contract is proposed as new construction	0.05	5.04	0.03%	2.95%	--do--
7	HPC at 69+731 is proposed as Box culvert	0.18	5.22	0.11%	3.06%	--do--
8	Temporary diversion with GSB	11.11	16.33	6.52%	9.58%	--do--
9	Pothole repair for maintenance	1.10	17.44	0.65%	10.23%	--do--
10	RCC grade M 35 in superstructure	0.12	17.56	0.07%	10.30%	Submitted to Employer for approval
11	Embankment construction with soil having CBR not less than 5%	-0.01	17.55	0.00%	10.30%	Approved



Change Order No.	Description of Change Item	Increase in cost (Cr)	Revised contract Price (Cr)	Percentage of increase/decrease on contract price	Cumulative % of increase/decrease of contract price	Remarks
12	Revision of pavement width from 7m to 10m for providing 2-lane carriageway with paved shoulder	25.60	43.15	15.02%	25.32%	--do--
13	To provide four spans of 10m box cell in place of pile foundation and deck slab with girder for the minor bridge (4 x 10m span) over canal near Pattamundai. 1m thick sand cushion is provided below the raft for ground improvement	-0.39	42.77	-0.23%	25.09%	--do--
14	1. Deletion of HPC at Km 50+850 (1 x 1.0), HPC at 51+240 (1 x 1.0) & HPC at Km 55+080 (1 x 1.0) - 3nos. 2. New construction of HPC at Km 50+350 (5 x 1.2) in place of widening 3. Change in dimension Box culvert at Km 86+434 (from 1 x 3 x 3 to 1 x 6 x 4) 4. Box culvert at Km 86+050 (1 x 6 x 3) changed to HPC (1 x 1.2)	-0.03	42.74	-0.02%	25.07%	--do--
15	Ground improvement below the raft of Box culverts, Box minor bridges and Underpasses by providing 2m to 3m thick sand filling to improve bearing capacity as per requirement. 300mm thick sand blanket is also proposed under the headwalls of the HP culverts.	0.52	43.26	0.31%	25.38%	Submitted to Employer for approval
16	1) Encasement of Hume pipes with PCC M 15. 2) Provision of nominal reinforcement mat on top of head walls of pipe culverts.	0.09	43.35	0.05%	25.44%	Approved
17	Addition/deletion of Hume pipe culverts	0.08	43.43	0.05%	25.49%	--do--
18	Increase in quantity of Embankment BOQ items 2.02 & 2.03	16.15	230.02	9.48%	34.96%	Submitted to Employer for approval



Change Order No.	Description of Change Item	Increase in cost (Cr)	Revised contract Price (Cr)	Percentage of increase/decrease on contract price	Cumulative % of increase/decrease of contract price	Remarks
19	(i) Km 67+600 to Km 72+540-PCL revised (ii) Km 70+080 to Km 70+720-Profile revised, (iii) Km 81+941.87 to Km 83+890.23-Profile revised, (iv) Km 84+187.01 to Km 87+243.70-PCL revised, (v) Km 90+930 to Km 93+400-PCL revised, (vi) Km 94+900 to Km 98+250-PCL revised, (vii) 95+500 to Km 97+991.31-Profile revised, (viii) Km 98+455 to Km 102+350-PCL revised, (ix) Km 102+240 to Km 105+480-Profile revised.	0	230.02	0.00%	34.96%	--do--
20	Pothole repair for maintenance	0.12	230.14	0.07%	35.04%	--do--



Chapter 6. Lessons Learnt

The following events have affected the completion schedule of the project.

6.1 LAND ACQUISITION AND REMOVAL OF ENCUMBRANCES

The removal of encumbrances and utility shifting has affected the project. All the Sections have been handed over to the Contractor, but, encumbrances still exist.

6.2 BORROW AREAS AND STONE QUARRIES

The following borrow areas and stone quarry are in operation,

Embankment soil

Barundiha (Km 89+750LHS)

Subgrade & Embankment soil

Tanar (Km 57+000 LHS), Gaidua (Km 57+186 LHS), Baro (Km 60+100 LHS), Nilakantapur (Km 70+000 RHS), Kunwarpur (Km 75+186 RHS), Nihali (Km 83+380 RHS), Padampur (Km 86+000 LHS).

Embankment sand

NimpuraSasan (Km 70+100 RHS), Kunwarpur (Km 75+180 RHS), Kharasrota (Km 89+100 LHS) and Kalaspur (Km 84+080 LHS)

Stone quarry

Anjira BSQ No.10.

6.3 TIMELY MOBILISATION OF MAN AND MACHINERIES

All the plants Crusher, Hot Mix Plant, Wet Mix Plant and concrete Batching Plant are in operation with statutory compliance of "Consent to Establish" (CTE) and "Consent to Operate" (CTO). Other allied machineries are in operation.

Skilled supporting staff and labour gangs of Contractor are insufficient. The vacancies in Key Professional are not filled.

Additional new Soil Excavators 13 nos. and Tippers (25 MT) 30 nos have been mobilised by Contractor during this quarter.

Chapter 7. Important Events During the Quarter

Visits:

1. Mr. Manoranjan Misra, EE, PMU along with Mr. G.P. Sahoo, Team Leader visited the site on 21st July 2017.

.Meetings:

- 1) Collector Kendrapara along with EE (R & B) Kendrapara has taken the review meeting on dated 06th July 2017 & 15th September 2017 at the Res. Office of Collector. Agenda discussed are the progress of work and the maintenance of Existing Road.
- 2) Review meeting taken by EE (R & B), Kendrapara on 18th September 2017. REs of P04B& P04A1& A2 and PM (DPJ-NKC JV) were present in the meeting.

Project: Human Winthling & Strengthening of existing carriageway to 3-lane Road from Dabur to Chandhal (Km. 48/000 to Km 50/000 of MBR & Km 48/000 to Km 51/000 of SH - 5)		
Package No: C00P - C01 - C02 - P00B		
Contractor: M&J-NGC(JV)		
Consultant: Lee Associates South Asia Pvt. Ltd		
Sl. No.	Sump Code	Run Date
A	Road Work	Jan-14
		Feb-14
1	C01	Mar-14
		Apr-14
2	D01	May-14
		Jun-14
3	E01	Jul-14
		Aug-14
4	F01	Sep-14
		Oct-14
5	G01	Nov-14
		Dec-14
6	H01	Jan-15
		Feb-15
7	I01	Mar-15
		Apr-15
8	J01	May-15
		Jun-15
9	K01	Jul-15
		Aug-15
10	L01	Sep-15
		Oct-15
11	M01	Nov-15
		Dec-15
12	N01	Jan-16
		Feb-16
13	O01	Mar-16
		Apr-16
14	P01	May-16
		Jun-16
15	Q01	Jul-16
		Aug-16
16	R01	Sep-16
		Oct-16
17	S01	Nov-16
		Dec-16
18	T01	Jan-17
		Feb-17
19	U01	Mar-17
		Apr-17
20	V01	May-17
		Jun-17
21	W01	Jul-17
		Aug-17
22	X01	Sep-17
		Oct-17
23	Y01	Nov-17
		Dec-17
24	Z01	Jan-18
		Feb-18
25	AA01	Mar-18
		Apr-18
26	AB01	May-18
		Jun-18
27	AC01	Jul-18
		Aug-18
28	AD01	Sep-18
		Oct-18
29	AE01	Nov-18
		Dec-18
30	AF01	Jan-19
		Feb-19
31	AG01	Mar-19
		Apr-19
32	AH01	May-19
		Jun-19
33	AI01	Jul-19
		Aug-19
34	AJ01	Sep-19
		Oct-19
35	AK01	Nov-19
		Dec-19
36	AL01	Jan-20
		Feb-20
37	AM01	Mar-20
		Apr-20
38	AN01	May-20
		Jun-20
39	AO01	Jul-20
		Aug-20
40	AP01	Sep-20
		Oct-20
41	AQ01	Nov-20
		Dec-20
42	AR01	Jan-21
		Feb-21
43	AS01	Mar-21
		Apr-21
44	AT01	May-21
		Jun-21
45	AU01	Jul-21
		Aug-21
46	AV01	Sep-21
		Oct-21
47	AW01	Nov-21
		Dec-21
48	AX01	Jan-22
		Feb-22
49	AY01	Mar-22
		Apr-22
50	AZ01	May-22
		Jun-22
51	BA01	Jul-22
		Aug-22
52	BB01	Sep-22
		Oct-22
53	BC01	Nov-22
		Dec-22
54	BD01	Jan-23
		Feb-23
55	BE01	Mar-23
		Apr-23
56	BF01	May-23
		Jun-23
57	BG01	Jul-23
		Aug-23
58	BH01	Sep-23
		Oct-23
59	BI01	Nov-23
		Dec-23
60	BJ01	Jan-24
		Feb-24
61	BK01	Mar-24
		Apr-24
62	BL01	May-24
		Jun-24
63	BM01	Jul-24
		Aug-24
64	BN01	Sep-24
		Oct-24
65	BO01	Nov-24
		Dec-24
66	BP01	Jan-25
		Feb-25
67	BQ01	Mar-25
		Apr-25
68	BR01	May-25
		Jun-25
69	BS01	Jul-25
		Aug-25
70	BT01	Sep-25
		Oct-25
71	BU01	Nov-25
		Dec-25
72	BV01	Jan-26
		Feb-26
73	BW01	Mar-26
		Apr-26
74	BX01	May-26
		Jun-26
75	BY01	Jul-26
		Aug-26
76	BZ01	Sep-26
		Oct-26
77	CA01	Nov-26
		Dec-26
78	CB01	Jan-27
		Feb-27
79	CC01	Mar-27
		Apr-27
80	CD01	May-27
		Jun-27
81	CE01	Jul-27
		Aug-27
82	CF01	Sep-27
		Oct-27
83	CG01	Nov-27
		Dec-27
84	CH01	Jan-28
		Feb-28
85	CI01	Mar-28
		Apr-28
86	CJ01	May-28
		Jun-28
87	CK01	Jul-28
		Aug-28
88	CL01	Sep-28
		Oct-28
89	CM01	Nov-28
		Dec-28
90	CN01	Jan-29
		Feb-29
91	CO01	Mar-29
		Apr-29
92	CP01	May-29
		Jun-29
93	CQ01	Jul-29
		Aug-29
94	CR01	Sep-29
		Oct-29
95	CS01	Nov-29
		Dec-29
96	CT01	Jan-30
		Feb-30
97	CU01	Mar-30
		Apr-30
98	CV01	May-30
		Jun-30
99	CW01	Jul-30
		Aug-30
100	CX01	Sep-30
		Oct-30
101	CY01	Nov-30
		Dec-30
102	CZ01	Jan-31
		Feb-31
103	DA01	Mar-31
		Apr-31
104	DB01	May-31
		Jun-31
105	DC01	Jul-31
		Aug-31
106	DD01	Sep-31
		Oct-31
107	DE01	Nov-31
		Dec-31
108	DF01	Jan-32
		Feb-32
109	DG01	Mar-32
		Apr-32
110	DH01	May-32
		Jun-32
111	DI01	Jul-32
		Aug-32
112	DJ01	Sep-32
		Oct-32
113	DK01	Nov-32
		Dec-32
114	DL01	Jan-33
		Feb-33
115	DM01	Mar-33
		Apr-33
116	DN01	May-33
		Jun-33
117	DO01	Jul-33
		Aug-33
118	DP01	Sep-33
		Oct-33
119	DQ01	Nov-33
		Dec-33
120	DR01	Jan-34
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121	DS01	Mar-34
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122	DT01	May-34
		Jun-34
123	DU01	Jul-34
		Aug-34
124	DV01	Sep-34
		Oct-34
125	DW01	Nov-34
		Dec-34
126	DX01	Jan-35
		Feb-35
127	DY01	Mar-35
		Apr-35
128	DZ01	May-35
		Jun-35
129	EA01	Jul-35
		Aug-35
130	EB01	Sep-35
		Oct-35
131	EC01	Nov-35
		Dec-35
132	ED01	Jan-36
		Feb-36
133	EE01	Mar-36
		Apr-36
134	EF01	May-36
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135	EG01	Jul-36
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136	EH01	Sep-36
		Oct-36
137	EI01	Nov-36
		Dec-36
138	EJ01	Jan-37
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139	EK01	Mar-37
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140	EL01	May-37
		Jun-37
141	EM01	Jul-37
		Aug-37
142	EN01	Sep-37
		Oct-37
143	EO01	Nov-37
		Dec-37
144	EP01	Jan-38
		Feb-38
145	EQ01	Mar-38
		Apr-38
146	ER01	May-38
		Jun-38
147	ES01	Jul-38
		Aug-38
148	ET01	Sep-38
		Oct-38
149	EU01	Nov-38
		Dec-38
150	EV01	Jan-39
		Feb-39
151	EW01	Mar-39
		Apr-39
152	EX01	May-39
		Jun-39
153	EY01	Jul-39
		Aug-39
154	EZ01	Sep-39
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