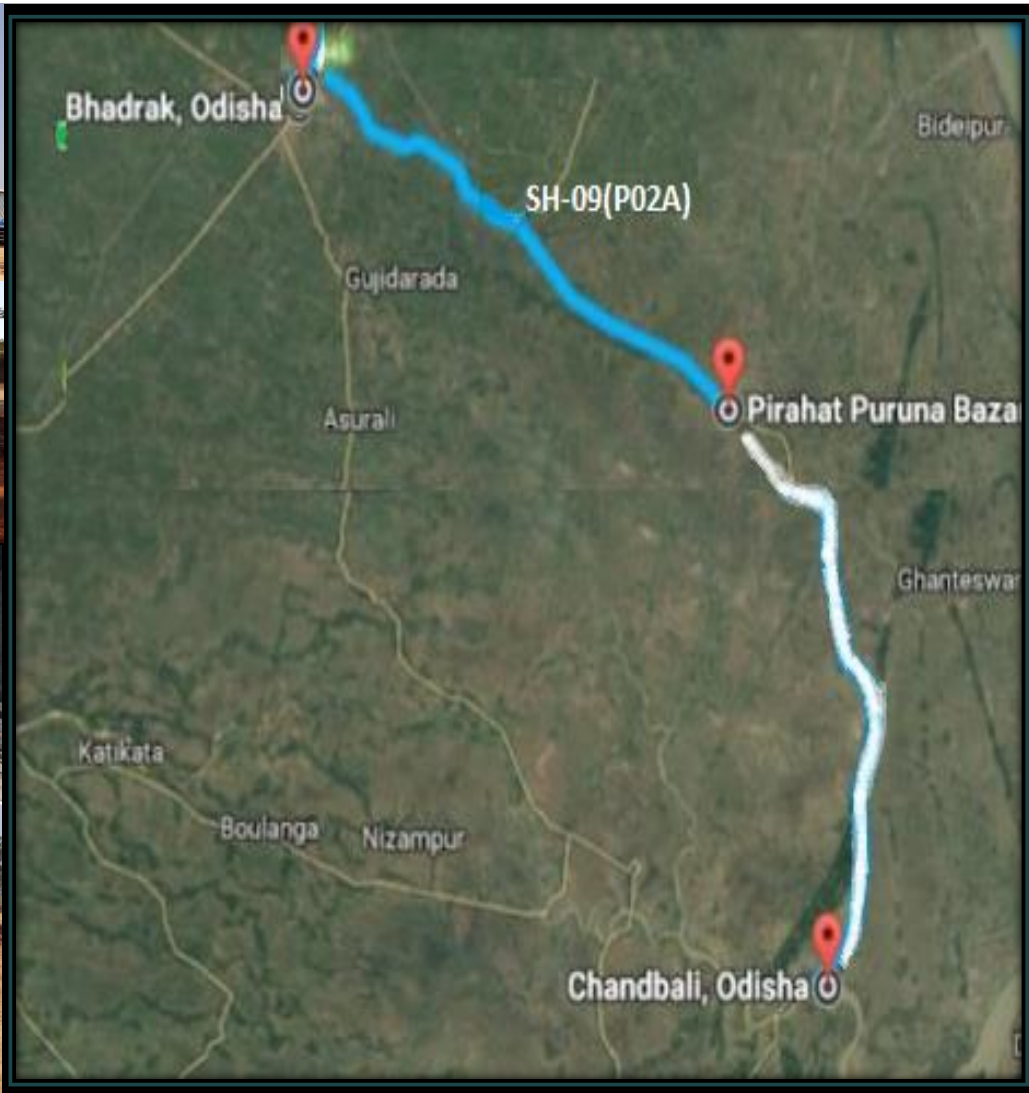


**GOVERNMENT OF ODISHA WORKS DEPARTMENT  
ODISHA STATE ROADS PROJECT**

**QUARTERLY PROGRESS REPORT**

**Construction Supervision for the balance work of Widening of Strengthening of Existing Carriage Way to 2 lane road for Bhadrak-Pirhat Road (0/000 Km. to 27/500 of SH-9 (Balance work)- Package OSRP-Bal-P02A**

**ICB Package OSRP-Bal-P02A under Civil Works Agreement No.- 4 of 2016-17**



**LEA Associates South Asia Pvt. Ltd., New Delhi**

**July, 2017 - September, 2017**

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# Quarterly Progress Report July'17-Sept'17

Widening & Strengthening of Existing Carriage Way to 2 lane road for  
Bhadrak-Pirhat Road (0/000 Km. to 27/500 of SH-9 (Balance work)- Package  
OSRP-Bal-P02A)

ODISHA WORKS  
DEPARTMENT



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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 (88 Km)**.

**Chandbali – Bhadrak – Anandpur Road Project** is part of 825 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 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. 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 Bhadrak–Pirhat (SH-9) Section from Km. 0/000 to Km. 27/500 is a part of Chandbali–Bhadrak–Anandpur Road Project (88 Km). The road section Bhadrak–Pirhat starts from Chainage 0/000 Km. at Bhadrak and ends at Km. 27/500 at Pirhat, in this **Bhadrak** is a district headquarter.

The total length of the project road is 27.500 Km. the road passes completely through plain terrain. Major stretch of the road is located in the District of Bhadrak. This stretch passes through major human settlements as Bhadrak, Tihidi & Pirhat.

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

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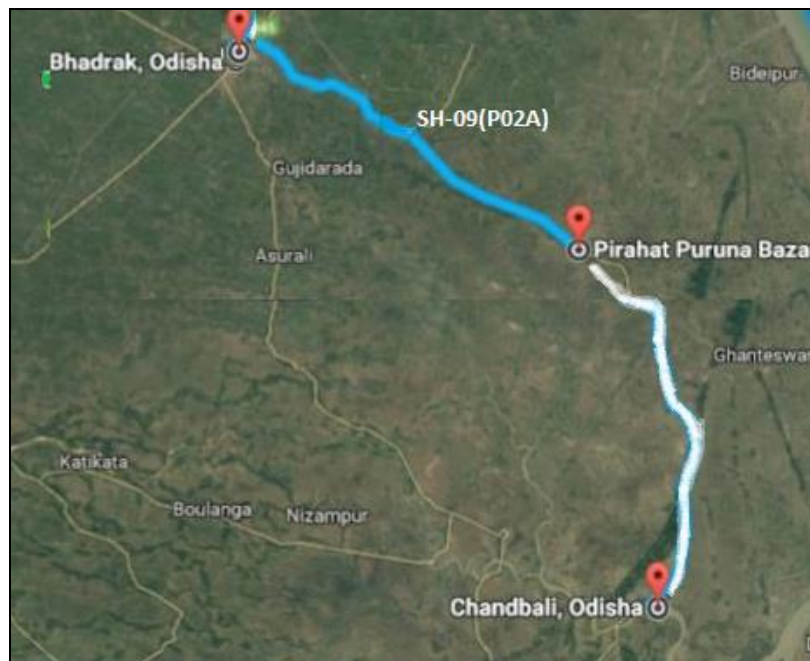


Figure 1-1: Location Map

### 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 SH9  
(On behalf of World Bank Projects, Works Department, Government of Odisha).

#### 1.3.3 Engineer

Mr. R. Mathur, 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. FORTUNE GROUP,  
India Office: Charampa, Bhadrak – 756101  
Mob: 9937081755  
Email: tkp.fortune@gmail.com  
**Site Office** – At Camp at Ch.15+600 LHS (SH 09, P02A)  
Email: [fgpl.bdk@gmail.com](mailto:fgpl.bdk@gmail.com)

## Quarterly Progress Report July'17-Sept'17

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### 1.4 PROJECT DETAILS

- Contract Value :- Rs. 79,32,67,447.00
- Period of Construction :- 18 months
- Date of Commencement of Work :- 16<sup>th</sup> November 2016
- Scheduled Date of Completion :- 15<sup>th</sup> May 2018
- Revised Date of Completion:-
- Progress (Financial) Achieved till September. 2017:- 42.14%
- (Excluding mobilization advance and Escalation)

### 1.5 SALIENT FEATURES

#### 1.5.1 Highways

- **Total Length of Project Corridor - 27.50 Km.**
- Type of Carriageway Flexible 12.760 Km., Rigid - 14.740 Km.
- Roadway Width 12.00 -14.00 m.
- Carriageway Width 7.00 to 10.50 m.
- Bus Bays and Bus Shelter 23 No.s
- Toll Plaza Deleted
- Junctions 11 No.s

#### 1.5.2 Structures

S. No.	Structures Type	No.s
<b>A.</b>	<b>New Construction</b>	
1	Box Type Minor Bridge	1
2	Box Culvert	7
3	Hume Pipe Culvert	5
4	Rehabilitation works	2
	<b>Total</b>	<b>15</b>
<b>B</b>	<b>Balance works to be done in substantially completed structures executed in previous contract</b>	
1	Box Type Minor Bridge	6
2	Box Culvert	21
3	Hume Pipe Culvert	22
4	Slab	1
	<b>Total</b>	<b>50</b>
	<b>Grand Total</b>	<b>65</b>

## Quarterly Progress Report July'17-Sept'17

Widening & Strengthening of Existing Carriage Way to 2 lane road for Bhadrak-Pirhat Road (0/000 Km. to 27/500 of SH-9 (Balance work)- Package OSRP-Bal-P02A)

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- 3 No.s of HPC (2 No.s of 1RoW HPC with utility & 01 No. 1 RoW HPC) has been added due to demand of local inhabitants. Therefore, total no.s of Structures now has become 62+3 = 65

### 1.5.3 Crust Details

- Flexible Pavement

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

- Rigid Pavement

GSB	150 mm.
DLC	150 mm.
CC Pavement	300 mm.
Total Crust Thickness	1100 mm.

### 1.6 MILESTONES

Section Name	Period up to which these sections are to be achieved.	Delay damages for not achieving these Section
Section – I (20 Km)	14 (Fourteen) Months from commencement of work.	Rs. 1,65,000/- per day of delay
Section – II (7.5 Km)	18 (Eighteen) Months from commencement of work.	Rs. 1,80,000/- per day of delay

Scheduled time of completion:- 18 (Eighteen) months from the date 16.11.2016 i.e. May 2018.

### 1.7 PROJECT DETAILS

Balance work of SH9 has been split into two packages as per following Details

**Package No.:** OSRP-CW-ICB-P02A

- Name of Work: Construction for Widening & Strengthening of Existing Carriageway to 2-Lane Road from Bhadrak to Pirhat (Km.0/0 to Km.27/500 of SH-9) (Balance Works)
- Contractor: M/s. Fortune Group
- Project Length: 27.500 Km.
- Estimated Cost of: INR 79.32 Cr.  
Work



**CHAPTER 2.**  
**WORK SUMMARY OF THE QUARTER**

---

# Chapter 2. Work Summary of the Quarter

## 2.1 PROGRESS OF ROAD WORK

Description of Item	Side	Lane Length Executed through Previous Contract	Lane Length to be Executed under Present Contract	Progress Achieved (in Present Contract)			
				During Previous Quarter (Apr.'17 to June'17)	During the Quarter under report (July'17 to Sept.'17)	Cumulative Progress (Up to Sept.'17)	Balance Length to be completed
Earthwork in Embankment	LHS	14.675	12.825	5.955	0.000	5.955	6.870
	RHS	15.045	12.455	7.450	0.980	8.430	4.025
Subgrade	LHS	14.245	13.255	5.950	0.000	5.950	7.305
	RHS	14.515	12.985	7.690	1.060	8.750	4.235
GSB	LHS	14.245	13.255	5.950	0.000	5.950	7.305
	RHS	13.915	13.585	7.680	1.400	9.080	4.505
WMM	LHS	12.758	0.002	0.000	0.000	0.000	0.002
	RHS	12.758	0.002	0.000	0.000	0.000	0.002
DBM	LHS	12.758	0.002	0.000	0.000	0.000	0.002
	RHS	12.758	0.002	0.000	0.000	0.000	0.002
BC	LHS	12.753	0.007	0.000	0.000	0.000	0.007
	RHS	12.753	0.007	0.000	0.000	0.000	0.007
DLC	LHS	1.485	13.255	5.560	0.360	5.920	7.335
	RHS	1.105	13.635	7.300	1.590	8.890	4.745
PQC	LHS	1.425	13.315	4.950	0.930	5.880	7.435
	RHS	0.940	13.800	6.129	2.231	8.360	5.440

### 2.1.1 Progress in Quantities:

S. No.	Description	Unit	Total Quantity as per BOQ	Quantity Executed (in Present Contract)				
				Up to Mar.'17	During Previous Quarter (Apr.'17 to June.'17)	During Quarter under Report (July.'17 to Sept.'17)	Total (Up to Sept.'17)	Balance Quantity to be Executed
1	Earthwork in Embankment	CUM	120634.00	120634	20721.6	16130.8	6862	43714.4

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2	Subgrade	CUM	135390.00	135390	32456.8	26418	5522.889	64397.7
3	GSB	CUM	36286.00	36286	8697.66	6932.12	1753.74	17383.5
4	WMM	CUM	2711.00	2711	0	0	0	0
5	DBM	CUM	0.00	0	0	0	0	0
6	BC	CUM	0.00	0	0	0	0	0
7	DLC	CUM	24253.00	24253	5687.85	4226.38	1572.6	11486.8
8	PQC	CUM	48505.00	48505	10736.3	6201.86	5650.515	22588.6

**Note:- \*Commencement date of the Project is 16.11.2016.**

### 2.1.1 PROGRESS OF CD WORKS AND STRUCTURES

S. No	Description of Structure	Total Nos. to be Executed	Number to be Executed under Previous Contract	Number to be Executed under Present Contract	Number Executed (in Present Contract)			
					Upto Previous Quarter	During Quarter under Report (Apr.'17 to June'17)	Total (Up to June'17)	Balance Number to be Executed
1	Minor Bridges (Box)	07	06	01	01	0	01	0
2	Slab Culvert	01	01	0	0	0	0	0
3	Box Culverts	28	21	07	03	0	03	04
4	Hume Pipe Culvert	27	22	05	05	0	05	0
5	Rehabilitation	02	0	02	0	0	0	02
<b>Total</b>		<b>65</b>	<b>50</b>	<b>15</b>	<b>09</b>	<b>0</b>	<b>09</b>	<b>06</b>

**CHAPTER 3.**  
**STATUS OF COST ELEMENTS**

---

# Chapter 3. Status of Cost Elements

## 3.1 FINANCIAL PROGRESS

Financial Progress achieved up to end of September' 2017 is furnished below;

1. Contract Price – INR 79,32,67,447.00
2. Value of work done – **INR 33,42,97,742.00**
3. Value of work executed during the quarter – INR 6,58,27,023.00
4. Percentage of Financial Progress – **42.14%** (Excluding mobilization advance)

## 3.2 QUARTER WISE FINANCIAL PROGRESS

Quarter wise financial progress of work excluding escalation and advances is tabulated below;

**Table 3-1: Quarter wise Financial Progress**

S. No.	Quarter	Target	Achievement During the Quarter		Cumulative Achievement	
			Cost of work Executed (in Rs. Crores)	% w.r.t Contract Price	Cumulative Cost of work (in Rs. Crores)	% w.r.t. Contract Price
	<b>2016-17</b>					
1	3 <sup>rd</sup> Quarter Oct.- Dec.	4.41	2.81	3.54	2.81	3.54
2	4 <sup>th</sup> Quarter Jan.- Mar.	14.04	13.03	16.43	15.84	19.97
	<b>2017-18</b>					
3	1 <sup>st</sup> Quarter Apr.- Jun.	16.00	11.01	13.88	26.85	33.84
4	2 <sup>nd</sup> Quarter July.- Sept.	7.99	6.58	8.30	33.43	42.14

## 3.3 MOBILIZATION ADVANCE

Item	Net Amount Paid (Rs.)	Cumulative Amount Paid (Rs.)	Remarks
1 <sup>st</sup> Mobilisation Advance	1,98,31,686.00	1,98,31,686.00	
2 <sup>nd</sup> Mobilisation Advance	-	-	
<b>Total :</b>		1,98,31,686.00	
Amount of Advance recovered up to 30 <sup>th</sup> Sept.'17 (in INR):		1,40,64,216.00	
Balance amount to be recovered (in INR):		57,67,470.00	

## 3.4 COST ELEMENT FOR THE QUARTER

- a. Planned Value for the Quarter (PV) - 7.99 Cr.
- b. Earned Value during the Quarter (EV) - 6.58 Cr.
- c. Schedule Variance (PV– EV) - 1.41 Cr.
- d. Schedule Performance Index (EV/PV) - 0.82

**CHAPTER 4.**  
**PROJECT PROGRAMME**

---

# Chapter 4. Project Programme

## 4.1 HANDING OVER OF SITES

As stipulated in the Contract, section-1 & 2 of the road (SH9) has been handed over to the Contractor on 20.10.2016 & on 10.0.2017 respectively. The Contractor had to examine it and inform the Employer the details of encumbrances at site if any within two weeks of the handing over. Contractor has informed regarding the encumbrances, which after the scrutiny, Engineer has submitted it to PMU.

Section Name	Period up to which these sections are to be achieved.	Delay damages for not achieving these Section
Section – I (20 Km)	14 (Fourteen) Months from commencement of work.	Rs. 1,65,000/- per day of delay
Section – II (7.5 Km)	18 (Eighteen) Months from commencement of work.	Rs. 1,80,000/- per day of delay

Scheduled time of completion:- 18 (Eighteen) months from the date 16.11.2016 i.e. in may 2018.

## 4.2 WORK PROGRAMME

The Contractor has given next three month's programme from Oct'17 to Dec.'17 for an amount of Rs. 5.98 Cr., Rs. 5.96 Cr., Rs. 5.69 Cr. respectively.

## 4.3 PHYSICAL TARGET AND COST FORECAST FOR THE NEXT QUARTER

### A. PHYSICAL TARGET

S. No.	Description of Item	Linear Target in Km /No.				Quantity Target in Cum / No.			
		Oct.'17	Nov.'17	Dec.'17	Total	Oct.'17	Nov.'17	Dec.'17	Total
1	Earthwork in Embankment	0.760	1.330	1.000	3.09	2359.25	4478.75	3925.00	10763.0
2	Subgrade	2.400	2.580	2.060	7.04	8599.25	9201.75	7567.50	25368.5
3	GSB	2.400	2.620	2.060	7.08	2697.75	2844.83	2336.10	7878.68
4	WMM	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.000
5	DBM	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.000
6	BC	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.000
7	DLC	2.450	2.694	2.070	7.214	1845.75	2023.50	1552.50	5421.75
8	PQC	2.560	2.621	2.214	7.395	3849.98	3941.40	3321.00	11112.4
9	Structures	5.000	4.000	3.000	12.00	5.000	4.000	3.000	12.00
10	Saucer Drain	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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### A. FINANCIAL TARGET

Month	Target – Rs. in Crores	Percentage of Contract Amount
October'2017	5.98	7.54
November'2017	5.96	7.51
December'2017	5.69	7.17
<b>Total</b>	<b>17.63</b>	<b>22.23</b>

### 4.4 SCHEDULE BASE LINE AND PROGRESS – S CURVE

- Budget at Completion (BAC) – INR 79,32,67,447.00
- Estimate at completion (EV + Escalation) –  $(79.32+2.78) = 82.10$  Cr.  
(Projected figures considering escalation amount 3.5% on project cost)
- Time to Complete – 18 months i.e. May'2018 (As per Contract)

Schedule base line and progress – S curve has been appended as **Appendix-2**



**CHAPTER 5.**  
**VARIATION AND CHANGES**

---

# Chapter 5. Variation and Changes

## 5.1 SUMMARY OF CHANGE ORDER

The commencement date of the project is 16.11.2016. While, the following quantities of variation/change order has been initiated so far, which is being mentioned as hereunder.

Summary of Change Request						
Impact on Contract Cost (in Cr.)	Effect of this Change		Cumulative Effect of Changes till previous Request		Cumulative Effect of Changes after this Request	
	Approximate Cost (Rs. in Cr.)	% of increase/ Decrease on Contract Amount	Cost (Rs. in Cr.)	% of Increase/ Decrease on Contract Amount	Cumulative Cost after this Change	% of increase/ Decrease on Contract Amount
<b>(Change Request No. 01)</b> Change in Span arrangement to size 2/33/0 of minor bridge at ch. 1+759	-0.11	-0.14%	0.00	0.00%	-0.11	-0.14%
<b>(Change Request No. 02)</b> New Item						
(i) Maintenance of road with BUSG	0.30	0.38%	-0.11	-0.14%	0.32	0.40%
(ii) Item 4.03, Close Graded Premix Mixed Seal Surfacing	0.13	0.16%				
<b>(Change Request No. 03)</b> New Item Subgrade Construction (With Granite Stone Dust )	0.45	0.56%	0.32	0.40%	0.77	0.97%

Summary of Variation Order										
S. No.	Item No.	Description of Item	Unit	BOQ Qty.	Variation Qty.	Revise BOQ Qty.	BOQ Amount	Revise BOQ Amount	Variation Qty. (%)	Variation Amount (%)
1	New Item No.1	Maintenance of road with BUSG	Sqm.	Nil	11710.27	11710.27	Nil	30,39,989	100	0.38
	<b>Cost of Change (Revised BOQ Amount – BOQ Amount)</b>							30,39,989		
	<b>Total % over Contract Amount for all proposals</b>							0.38%		

**CHAPTER 6.**  
**LESSONS LEARNT**

---

# Chapter 6. Lessons Learnt

## 6.1 LAND ACQUISITION AND REMOVAL OF ENCUMBRANCES

### LAND ACQUISITION;

Handing over status of Sections is mentioned below;

Section Name	Scheduled date of Handing Over	Actual date of Handing Over	Encumbrances if any	Likely date of Handing Over /Removal of Encumbrances
Section-I	22.10.2017	20.10.2016	Yes (Details given below)	-
Section-II	15.02.2017	10.02.2017	Do	-

### REMOVAL OF ENCUMBRANCE

Section Name	Encumbrances (Within the Roadway)	Number Existing till last Quarter	Number Removed During This Quarter	Balance Remained for Removal
Section-I	Trees (6m)	04	03	01
	Trees (6-7m)	06	0	06
	Electric poles	13	0	13
	Telephone poles	-	-	-
Section-II	Trees (6m)	02	02	0
	Trees (6-7m)	0	0	0
	Electric poles	0	0	0
	Telephone poles	-	-	-
Total	<b>Trees (6m)</b>	<b>06</b>	<b>05</b>	<b>01</b>
	<b>Trees (6-7m)</b>	<b>06</b>	<b>0</b>	<b>06</b>
	<b>Electric poles</b>	<b>13</b>	<b>0</b>	<b>13</b>
	<b>Telephone poles</b>	<b>-</b>	<b>-</b>	<b>-</b>

**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 remains the encumbrances.

## 6.2 BORROW AREAS, SAND AND STONE QUARRIES

**Borrow Area:** Contractor is procuring soil for embankment work from borrow areas at Kamaria Village (in SH9 at Ch.20.800 RHS) and *Morum* for subgrade work from Mouza-Bidyadharpur, Plot No.-60, Khata No.-310, Tahsil- Hatadihi, Dist.- Keonjhar, Odisha (in SH53 at Ch.31.580 RHS).

During the quarter approximately 5523.00 cum. of subgrade (morum) construction work has been done, while, approximately 17,750.00 cum. were planned as per Contractor's work programme for 3 months.

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### River Sand:

Contractor is procuring sand, used in road construction work and structure work from river Baitarani. During this quarter approximately 6800.00 cum. of sand have been procured against the planned approximately 5000.00 cum. as per Contractor's work programme for 3 months.

### Stone Quarry:

Contractor is procuring the aggregates from the open market, from quarries situated at Chadhaidhara in Jajpur district (Odisha). These aggregates are used for Structure concrete, GSB, DLC & PQC works. During this quarter approximately 9000.00 cum. of aggregates have been procured against the planning of approximately 8500.00 cum. as per Contractor's work programme for 3 months.

### 6.3 TIMELY MOBILISATION OF MAN AND MACHINERIES

The Contractor has to mobilize their manpower as per Contract. The following Personnels have been mobilized so far;

S. No.	Designation	Name
1	Project Manager	Mr. P.R. Das
2	Highway Engineer	Mr. M. Parida
3	Bridge Engineer	Mr. L. Dehuri
4	Material Engineer	Mr. S. Pattanayk
5	Quantity Surveyor	Mr. Nrusingh Sethy
6	Equipment And Maintenance Engineer	TBN
7	Environment And Safety Manager	Mr. Ashish Kumar Samal

Plant & Machinery Mobilisation Status of Contractor is as given below;

S. No.	Description of Equipment/Plant	Min. No.s as per Contract	No.s Mobilized		Remarks
			Own	Hired	
1	Motor Grader	1	1	-	Mobilized at site on dated 18.11.2016
2	Hydraulic Excavator	2	4	-	2 no.s demobilized in the month of May'17
3	Transit Mixer	8	4	-	2 no.s mobilized in the month of May'17
4	Front end Loader	3	2	-	
5	Dozer	1	1	-	
6	Tipper	20	40	7	
7	Soil compactor	1	1	-	
8	JCB	-	3	-	
9	Water tanker	5	5	-	

## Quarterly Progress Report July'17-Sept'17

Widening & Strengthening of Existing Carriage Way to 2 lane road for  
Bhadrak-Pirhat Road (0/000 Km. to 27/500 of SH-9 (Balance work)- Package  
OSRP-Bal-P02A)

ODISHA WORKS  
DEPARTMENT



10	Tractor	-	1	-	
11	Hydra Crane	-	-	0	
12	Needle Vibrator	-	2		
13	Concrete Pump	1	-	-	
14	Slip from Paver (CP500)	-	0	-	Mobilized at site on dated 19.11.2016 (demobilized at site on dated 29.05.2017)
15	Mobile batching cum transit mixture	-	-	-	
16	Tandem Roller	-	1	-	
	<b>Plants</b>				
17	Concrete Batch-mix Plant	1	2	-	One no. commissioning done on 25.11.2016 & second on 24.02.2017
18	Cone Crushing Unit	1	1	-	One no. commissioning done in March'2017

The following survey equipment is available at site;

S. No.	Name of the equipment	Quantity (Nos.)
1	Total Station	1
2	Auto Level	4

**CHAPTER 7.**  
***IMPORTANT EVENTS DURING THE QUARTER***

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## Chapter 7. Important Events During the Quarter

Following important events and visits took place during this quarter, which is being presented below;

### **During July'17:**

- On 08.07.2017 a meeting was carried out at TL Office (CSC) Bhubaneswar regarding the IPC, Resident Engineer attended the meeting.
- Routine site visits carried out by the CSC's Resident Engineer along with the Project Manager of Contractor on 18.07.2017.
- On 21.07.2017 site visits carried out by the Executive Engineer (PMU), CSC's Team Leader, Resident Engineer along with the Contractor's Managing Partner and Project Manager.
- On 24.07.2017 a meeting was carried out at TL Office (CSC) Bhubaneswar regarding the execution of the finishing work, road side furniture during the monsoon in the completed stretches, Executive Engineer (PMU) and CSC's Resident Engineer attended the meeting.
- Routine site visits carried out by the CSC's Resident Engineer along with the Project Manager of Contractor on 26.07.2017.
- A routine review meeting was held on 27.07.2017 by Resident Engineer at CSC office with the Managing Partner and Project Manager of Contractor.

### **During August'17:**

- A routine review meeting was held on 02.08.2017 by Resident Engineer at CSC office with the Managing Partner and Project Manager of Contractor.
- On 21.08.2017 a meeting was carried out at TL Office (CSC) Bhubaneswar to review the project work, Resident Engineer attended the meeting.
- On 28.08.2017 Executive Engineer (PMU) and CSC's Team Leader visited the site along with the Resident Engineer (CSC), Contractor's Managing Partner and Project Manager.

### **During September'17:**

- A routine review meeting was held on 02.09.2017 by Resident Engineer at CSC office with the Managing Partner and Project Manager of Contractor.
- A routine review meeting was held on 13.09.2017 by Resident Engineer at CSC office with the Managing Partner and Project Manager of Contractor.
- On 14.09.2017 a meeting was carried out at TL Office (CSC) Bhubaneswar to review the project work, Resident Engineer attended the meeting.

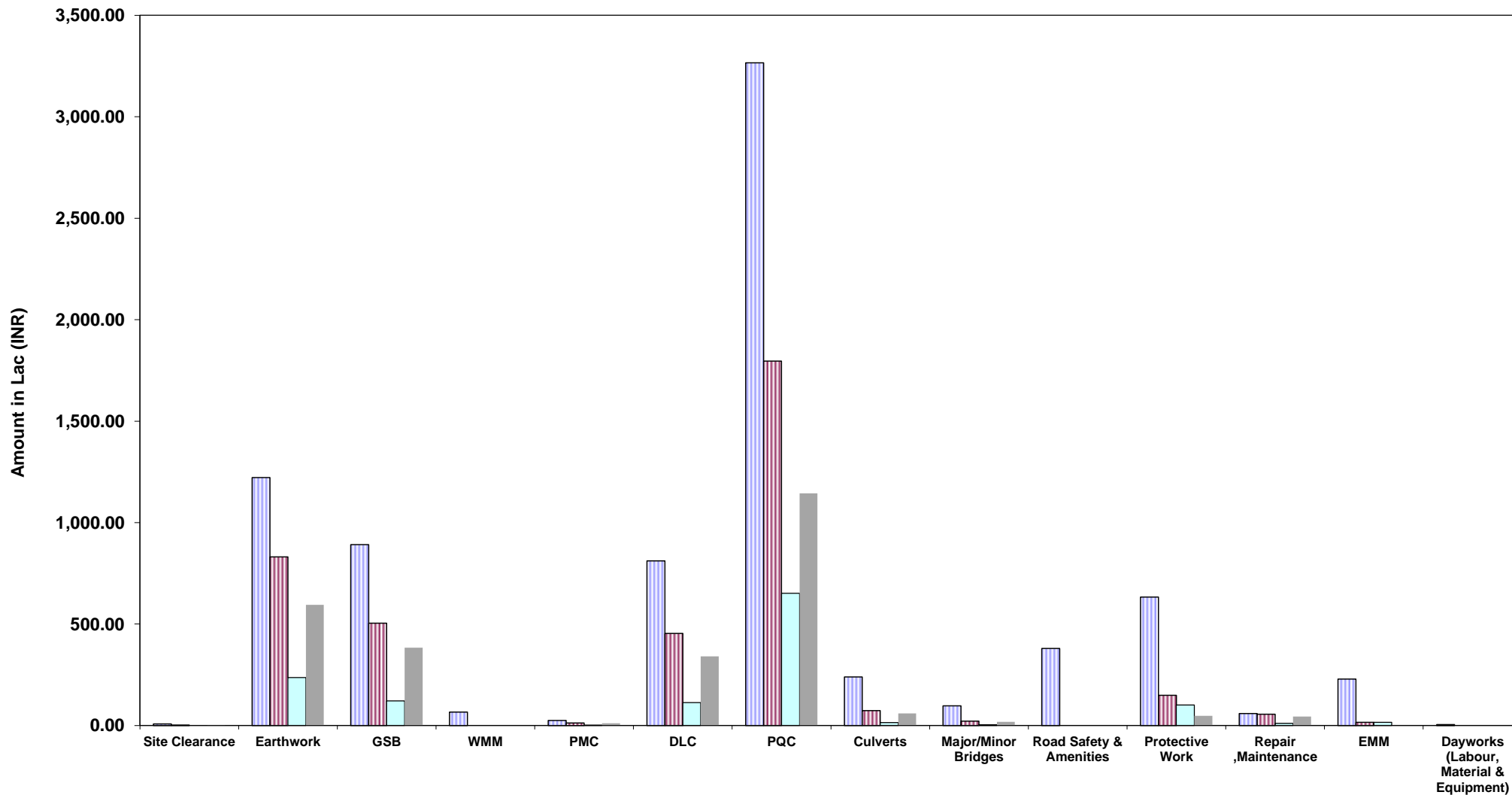
# APPENDIX

***Appendix 1:  
Bar Chart***

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**ITEM WISE PROGRESS FOR THIS QUARTER (July'17 to Sept'17)**

BOQ Amount    Cumulative upto This Quarter    Achived during this Quarter    Upto Previous



**BAR CHART**

***Appendix 2:  
S-Curve***

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