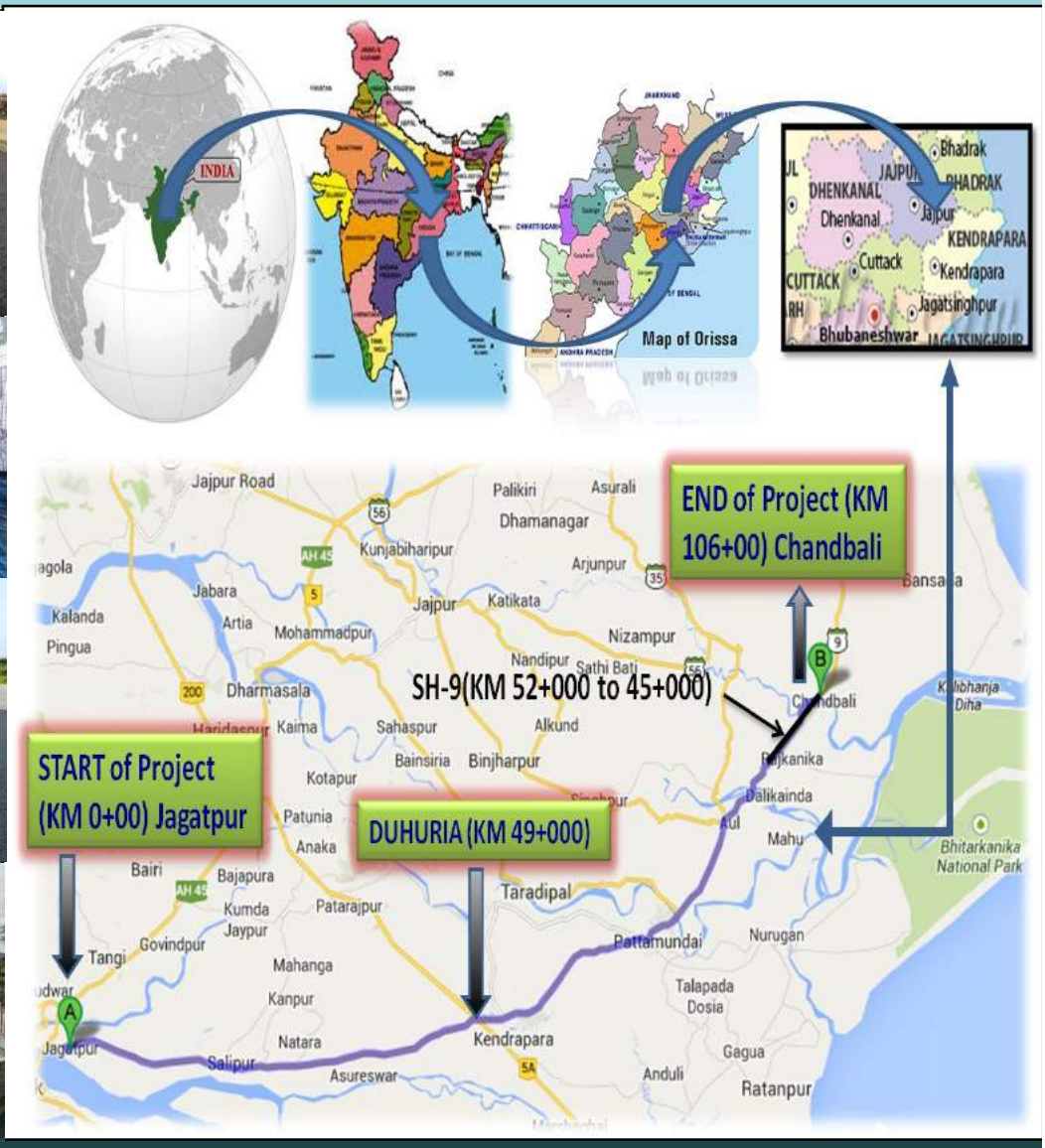
GOVERNMENT OF ODISHA WORKS DEPARTMENT
ODISHA STATE ROADS PROJECT

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



December-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 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.

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)

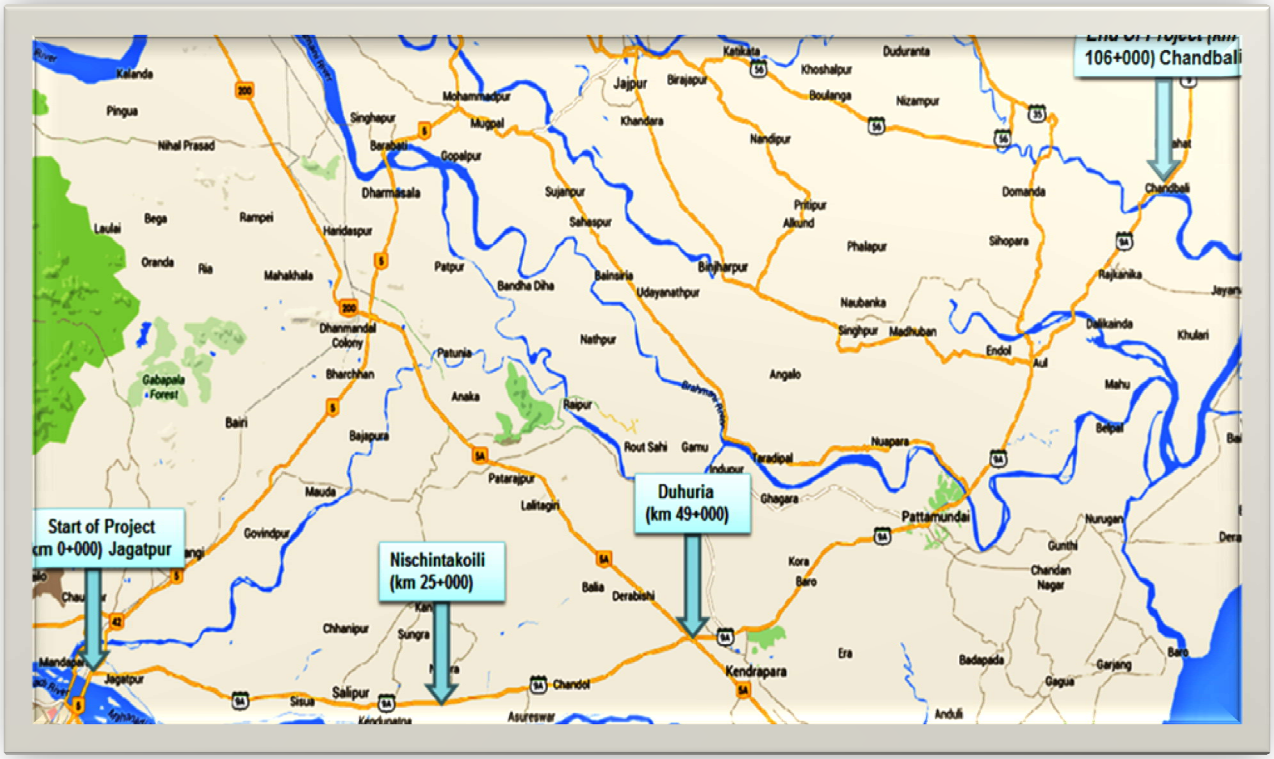
1.2 THE PROJECT

The Duhuria – Chandbali (SH9A) section km 49/00 to km 99/00 and (SH9) km 45/00 to km 51/500 which is a part of Jagatpur - Kendrapada – Chandbali - Bhadrak 152 km project corridor. The road section Duhuria – Chandabali starts from at Chainage km 49/00 and ends at Duhuria. Jagatpur is industrial area in Cuttack district, Kendrapada is districts' 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 167 existing culverts and 36 reptile passes between Duhuria – Chandbali section. 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,UdyogVihar,Gurgaon-122016(Harayana)
Project Manager – Mr. Virendra Pal 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
- Revised period of construction - — 55 Months
- Progress Achieved till this month: - — 52.03%

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 10 m (Revised from 7 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 05 Nos
- Underpasses 07 Nos
- Box Culverts 05 Nos
- Hume Pipe Culverts 166 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. Sections provided in the contract have been rescheduled vide Supplementary Agreement being Addendum No. 1 to Contract Agreement executed on 4th March 2017 as per details furnished below.

Section Name	Length of Section	Stretch of the Section		
		As per original contract	Rescheduled Section	Revised Date Of Completion
Section-I	16.1 km	Km58+600 to 62+800 , Km63+600to 65+400, Km66+200to67+500, Km73+000 to 74+000, Km 75+000 to 77+600, Km78+100to83+300.	Between Duhuria to Pattamundai i.e. Km.49.000 to Km.69.000 Chainages to be mentioned	03.05.2017
Section-II	11.8 km	Km 55+000 to Km 58+600, Km 62+800 to Km 63+600, Km 65+400 to Km 66+200, Km 86+300 to Km 91+000, Km 91+600 to Km 93+500.	Anywhere in project corridor Chainages as informed by contractor to be mentioned	31.10.2017
Section-III	15.5 km	Km 49+000 to Km 55+000, Km 74+000 to Km 75+000, Km 77+600 to Km 78+100, Km 83+300 to Km 86+300. km 93+500 to km 99+000.	Anywhere in project corridor Chainages as informed by contractor to be mentioned	23.05.2018
Section-IV	13.1 km	Km 67+500 to Km 73+000, Km 91+000 to Km 91+600, Km 45+000 to Km 51+500 of SH-9A.	Anywhere in project corridor	07.07.2018

Chapter 2. Physical Performance and Programme of Work

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.						
				Completed upto previous Month	Completed during the Month	Total Completed	In progress	Cumulative length (completed + in progress)	Balance length to be taken up	Both Side Completed
A	B	C	D	E	F	G=E+F	H	I=G+H	J=D-I	K
1	Embankment/ Excavation	LHS	56.50	27.41	3.03	30.44	1.58	32.02	24.48	28.65
		RHS	56.50	26.82	1.83	28.65	2.07	30.72	25.78	
2	Subgrade	LHS	56.50	27.30	3.09	30.39		30.39	26.11	27.93
		RHS	56.50	25.83	2.10	27.93		27.93	28.58	
3	GSB	LHS	56.50	25.41	2.98	28.38	0.75	29.13	27.37	26.31
		RHS	56.50	23.10	3.22	26.31	0.51	26.82	29.68	
4	WMM	LHS	44.75	15.92	2.99	18.92	0.63	19.55	25.21	16.89
		RHS	44.75	14.69	2.19	16.89	0.28	17.17	27.59	
5	DBM	LHS	44.75	15.86	2.57	18.42		18.42	26.33	16.63
		RHS	44.75	14.34	2.30	16.63		16.63	28.12	
6	BC	LHS	44.75	5.76	6.19	11.95		11.95	32.80	11.89
		RHS	44.75	6.19	5.70	11.89		11.89	32.86	
7	DLC	LHS	11.75	7.67	0.20	7.87		7.87	3.88	7.00
		RHS	11.75	6.15	0.85	7.00		7.00	4.75	
8	PQC	LHS	11.75	7.52	0.00	7.52		7.52	4.23	6.47
		RHS	11.75	6.02	0.45	6.47		6.47	5.28	

Progress in Quantities

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

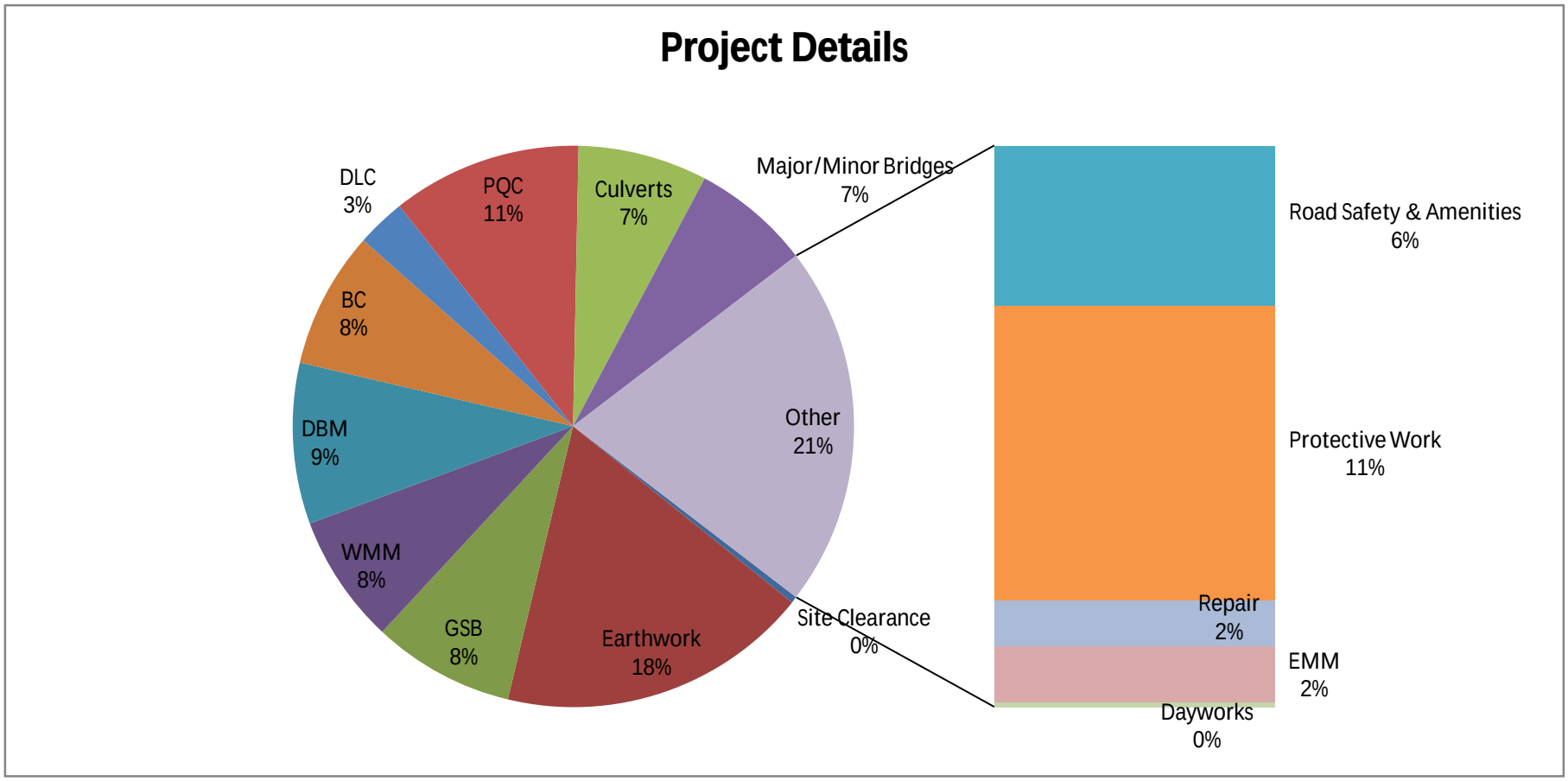


Figure 2-1: Weightage of Major Construction Items

2.2 PROGRESS IN QUANTITIES

Sl. No.	Description	Unit	BOQ Qty	Total Quantity executed as per BOQ				Remarks
				Executed Quantity up to previous Month	Executed Quantity During this month	Total Quantity executed	Balance Quantity	
1	Emb. in Soil	Cum	194689	86865	2970	89834	104855	
2	Emb.in Sand	Cum	433394	414238	21384	435622		
3	Subgrade	Cum	385595	158959	30313	189272	196323	
4	GSB	Cum	128267	63495	8773	72268	55999	
5	WMM	Cum	91126	38933	6289	45221	45905	
6	DBM	Cum	18056	7692	1008	8700	9356	
7	BC	Cum	14008	2368	2356	4724	9284	
8	DLC	Cum	17083	13277	1175	14451	2632	
9	PQC	Cum	34165	25742	1587	27328	6837	
10	M 15 grade concrete	Cum	13851	5442	209	5652	8199	
11	M 20 grade concrete	Cum	13220	1894	154	2047	11173	
12	M 25 grade concrete	Cum	643	231	414	645		
13	M 30 grade concrete	Cum	938	31	89	120	818	
14	M 35 grade concrete	Cum	5036	2306		2306	2730	
15	HYSD steel	MT	1563	398	0	398	1165	
16	Hume pipe laying	Lm	12610	4126		4126	8484	
17	Saucer Drain	Lm	21000	5345	29	5374	15627	

2.3 PROGRESS OF CD WORKS AND STRUCTURE

Sl. No.	Structure Type	Total Nos. to be Executed	Side	Completed & In Progress (nos.)						
				Completed upto Previous Month	Completed During Month	Completed up to date	In progress	Cumulative Number (completed + in progress)	Balance Number to be taken up	Number Completed Both sides
A	B	C	D	E	F	G=E+F	H	I=G+H	J=C-I	K
1	Minor Bridge	8	BS	4		4	3	7	1	4
2	Rehabilitation & Widening	5	BS						5	
3	Box Culvert/Cattle underpass	12	BS	8	1	9	2	11	1	9
4	HP Culvert	166	LHS	116	2	118	1	119	47	109
		166	RHS	114	2	116	0	116	50	

BC laying at Ch. 66+000 to 66+500 (LHS)

PQC laying from Ch. 53+160 to 53+200 (RHS)

Reinforcement and raft concreting at Ch. 71+082

Box Culvert slab concreting at Ch. 97+640

2.4 ROUTINE MAINTENANCE

At the time of handing over, the condition of road was very bad. Hence the contractor executed routine maintenance works for which payment was made. The Contractor has been advised to repair pothole in the stretch Km 71+400 to Km 73+000whichis severely damaged.

2.5 PROGRAMME OF WORK

Contractor had submitted baseline work program for completion by 3rd March 2016. The same was approved by Engineer. The project could not be completed within the scheduled period. .A supplementary agreement was made on 4th March 2017 in which the sections were rescheduled and completion dates of each section was revised with over all completion of the project by 7th July 2018.As per this agreement; the Contractor is required to submit Revised Work Programme to complete each section by the rescheduled dates. But the Contractor has not yet submitted the same although they have been frequently reminded.

A chart showing the time elapsed is given bellowing

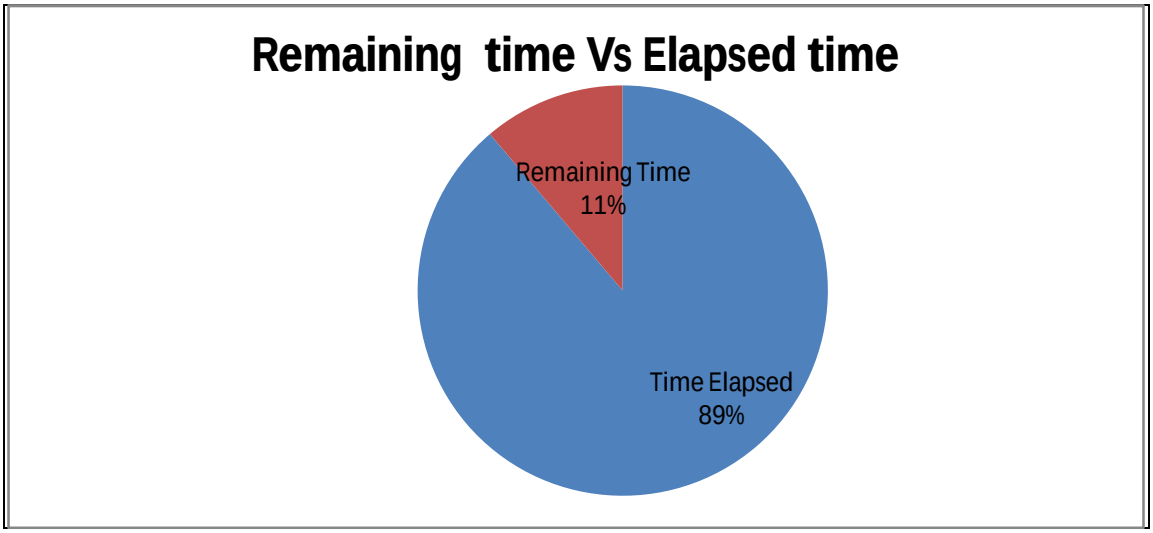
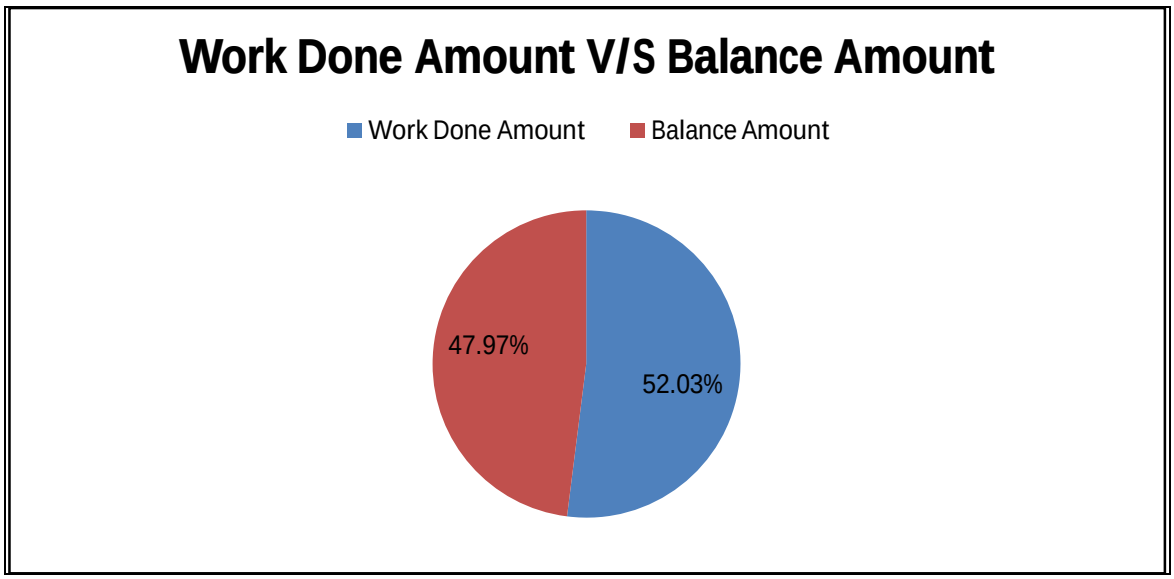


Figure 2-2:

Total Duration of the Project including EOT granted (Construction Phase) - 1677 Days (55 Months)



2.6 FORECAST FOR NEXT MONTH

The Contractor has not submitted work programme for completion. Forecast for next monthas per the monthly programme sent via email by Contractor is as follows

Forecast for January 18

Sl. No.	Description	Unit	Quantity remaining to be executed by end of December -17	Length planned to be executed during (half width) Jan -18 (Mtr/No)	Quantity planned to be executed during Jan -18	Approximate cost of work Jan -18(Rs Cr)	Remarks
1	Embankment in Soil	Cum	104855				
2	Embankment in Sand	Cum		3280	20410	0.71	
3	Subgrade	Cum	196323	3400	12966	0.31	
4	GSB	Cum	55999	3300	4578	0.50	
5	WMM	Cum	45905	6980	9074	1.27	
6	DBM	Cum	9356	6990	1748	1.38	
7	BC	Cum	9284	14960	2992	2.80	
8	DLC	Cum	2632	370	374	0.11	
9	PQC	Cum	6837	730	1472	0.80	
10	Saucer drain	Lm	15627				
11	Median crash barrier	Lm	3738				
12	M 15 grade concrete	Cum	8199				
13	M 20 grade concrete	Cum	11173				
14	M 25 grade concrete	Cum					
15	M 30 grade concrete	Cum	818				
16	M 35 grade concrete	Cum	2730				
17	HYSD steel	MT	1165				
18	Hume pipe laying	LM	8484				
19	Structures Work misc	LS		Minor Bridge / Box Culvert		1.59	
20	Other Misc. Work	LS				0.27	
Total Amount of work programme for Jan-18						**9.734**	**Cr.**

2.7 STATUS OF EXTENSION OF TIME

As per provisions in the Supplementary Agreement executed on 4th March 2017, date of completion of all he four sections has been revised as mentioned below. The Contractor has requested for extension of time for Section-II up to 31.01.2018 which is under .by Employer.

Sl. No.	Section	Extended Date of Completion
1	Section-I (Rescheduled Section)	03rd May 2017
2	Section-II (Rescheduled Section)	31st October 2017
3	Section-III (Rescheduled Section)	23rd May 2018
4	Section-IV (Rescheduled Section)	07th July 2018

Chapter 3. Financial Performance

3.1 FINACIAL PROGRESS

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

1.	Contract Price	:170.43 Cr
2.	Value of work done up to Nov-2017	
a.	Gross amount	: 90.47 Cr.
b.	Amount excluding price adjustment	: 88.67 Cr.
3.	Outstanding Mobilisation Advance	: 4.86 Cr.
4.	Outstanding Secured Advance	: 0.78 Cr.
5.	Percentage of Progress (2b/1)*100	: 52.03%

3.2 MONTH WISE FINANCIALPROGRESS

Month wise financial progress on work proper excluding price adjustment and advances is furnished is given below.

Month	Base target				Achieved				Remarks
	Amount (Rs Cr.)	Cumulative Amount (Rs Cr)	% age	Cumulative Percentage	Amount (Rs Cr.)	Cumulative Amount (Rs Cr.)	% achieved	Cumulative % achieved	
Jan-14	0	0	0.00%	0	0.19	0.19	0.11%	0.11%	
Feb-14	0.23	0.23	0.13%	0.13%	0.06	0.25	0.04%	0.15%	
Mar-14	1.38	1.61	0.81%	0.94%	0.48	0.73	0.28%	0.43%	
Apr-14	3.48	5.09	2.04%	2.99%	0.24	0.97	0.14%	0.57%	
May-14	4.99	10.08	2.93%	5.91%	0.39	1.36	0.23%	0.80%	
Jun-14	5.41	15.49	3.17%	9.09%	0.10	1.46	0.06%	0.86%	
Jul-14	4.24	19.73	2.49%	11.58%	0.00	1.46	0.00%	0.86%	
Aug-14	3.95	23.68	2.32%	13.90%	0.00	1.46	0.00%	0.86%	
Sep-14	3.73	27.41	2.19%	16.08%	0.00	1.46	0.00%	0.86%	
Oct-14	5.72	33.13	3.36%	19.44%	1.07	2.53	0.63%	1.48%	
Nov-14	5.38	38.51	3.16%	22.60%	0.64	3.17	0.38%	1.86%	
Dec-14	5.40	43.91	3.17%	25.77%	0.60	3.77	0.35%	2.21%	
Jan-15	8.19	52.10	4.81%	30.57%	0.79	4.56	0.46%	2.68%	
Feb-15	7.50	59.60	4.40%	34.97%	0.72	5.28	0.42%	3.10%	
Mar-15	11.63	71.23	6.82%	41.80%	0.66	5.94	0.39%	3.49%	
Apr-15	12.08	83.31	7.09%	48.89%	1.03	6.97	0.60%	4.09%	
May-15	14.48	97.79	8.50%	57.38%	1.12	8.09	0.66%	4.75%	
Jun-15	13.12	110.91	7.70%	65.08%	0.73	8.82	0.43%	5.18%	
Jul-15	7.31	118.22	4.29%	69.37%	0.37	9.19	0.22%	5.39%	
Aug-15	6.32	124.54	3.71%	73.08%	0.25	9.44	0.15%	5.54%	
Sep-15	4.28	128.82	2.51%	75.59%	0.49	9.93	0.29%	5.83%	
Oct-15	11.31	140.13	6.64%	82.23%	0.23	10.16	0.13%	5.96%	
Nov-15	12.65	152.78	7.42%	89.65%	0.37	10.53	0.22%	6.18%	
Dec-15	11.77	164.55	6.91%	96.56%	0.75	11.28	0.44%	6.62%	
Jan-16	5.67	170.22	3.33%	99.88%	1.32	12.60	0.77%	7.39%	
Feb-16	0.20	170.42	0.12%	100.00%	1.29	13.89	0.76%	8.15%	
Mar-16					2.93	16.82	1.72%	9.87%	
Apr-16					3.14	19.96	1.84%	11.71%	
May-16					4.93	24.89	2.89%	14.60%	
Jun-16					2.68	27.57	1.57%	16.18%	
Jul-16					0.38	27.95	0.22%	16.40%	

Month	Base target				Achieved				Remarks
	Amount (Rs Cr.)	Cumulative Amount (Rs Cr)	% age	Cumulative Percentage	Amount (Rs Cr.)	Cumulative Amount (Rs Cr.)	% achieved	Cumulative % achieved	
Aug-16					0.36	28.31	0.21%	16.61%	
Sep-16					0.93	29.24	0.55%	17.16%	
Oct-16					0.91	30.15	0.53%	17.69%	
Nov-16					1.56	31.71	0.92%	18.61%	
Dec-16					4.42	36.13	2.59%	21.20%	
Jan-17					4.73	40.86	2.78%	23.97%	
Feb-17					4.93	45.79	2.89%	26.87%	
Mar-17					6.21	52.00	3.64%	30.51%	
Apr-17					5.66	57.66	3.32%	33.83%	
May-17					3.97	61.63	2.33%	36.16%	
Jun-17					3.72	65.35	2.18%	38.34%	
Jul-17					2.13	67.48	1.25%	39.59%	
Aug-17					2.06	69.54	1.21%	40.80%	
Sep-17					3.21	72.75	1.88%	42.69%	
Oct-17					2.90	75.65	1.70%	44.39%	
Nov-17					5.00	80.65	2.93%	47.32%	
Dec-17					8.01	88.66	4.70%	52.02%	

3.3 MOBILIZATION ADVANCE

Sl. no	Description	Amount (Rs in Cr)
1	Gross Amount Paid	8.52
2	Recovered up to date	3.66
3	Outstanding amount	4.86

3.4 STATEMENT OF IPC

IPC No.	Month	Gross Amount of IPC (Rs. Crore)					Recoveries (Rs Cr)	Net Amount Paid (Rs Cr)
		Value of BOQ Item	Variation	Price Adjustment	Secured Advance	Gross amount		
1	**Feb-14**				8.52	8.52	0.17	8.35
2	**Mar-14**	0.74				0.74	0.14	0.60
3	**Apr-14**	0.46				0.46	0.09	0.37
4	**May, Jun - 14**	0.29				0.29	0.05	0.24
5	**Oct-14**	0.90				0.90	0.15	0.75
6	**Nov-14**	0.62			0.82	1.44	0.14	1.30
7	**Dec-14**	0.52				0.52	0.10	0.42
8	**Jan-15**	0.63		0.12		0.75	0.16	0.59
9	**Feb-15**	0.68			0.07	0.75	0.31	0.44
10	**Mar-15**	0.44		0.01	0.30	0.75	0.13	0.62
11	**Apr-15**	1.56			0.18	1.74	0.64	1.10
12	**May-15**	0.65			1.12	1.77	0.34	1.43
13	**Jun-15**	0.79		0.05	0.07	0.91	0.28	0.63

IPC No.	Month	Gross Amount of IPC (Rs. Crore)					Recoveries (Rs Cr)	Net Amount Paid (Rs Cr)
		Value of BOQ Item	Variation	Price Adjustment	Secured Advance	Gross amount		
14	**14 Jul 15 to 18 Sep 15**	0.96			0.17	1.13	0.36	0.77
15	**19 Sep 15 to 31 Oct 15**	0.39			0.54	0.93	0.12	0.81
16	**Nov-15**	0.37			1.06	1.43	0.13	1.30
17	**Dec-15**	0.75			0.16	0.91	0.33	0.58
18	**Jan-16**	1.19				1.19	0.25	0.94
19	**Feb-16**	1.27			0.07	1.34	0.37	0.97
20	**Mar-16**	2.21	1.54		0.99	4.74	1.21	3.53
21	**1 Apr to 13 Apr 16**	1.00	0.04		0.61	1.65	0.36	1.29
22	**14 Apr to 30 Apr 16**	1.88	0.23		0.43	2.54	0.82	1.72
23	**May-16**	4.82	0.21		0.84	5.87	1.87	4.00
24	**Jun-16**	1.86	0.82		0.53	3.21	1.08	2.13
25	**July 16 to Sep 16**	1.46		-0.22	0.18	1.42	0.38	1.04
26	**Oct-16**	0.50	0.43		0.12	1.05	0.26	0.79
27	**Nov-16**	1.34	0.22		0.23	1.79	0.46	1.33
28	**Dec-16**	3.75	0.57	-0.53	0.66	4.45	1.21	3.24
29	**Dec 16 suppl**			0.62		0.62	0.09	0.53
30	**Jan-17**	4.71	0.02		0.86	5.59	1.53	4.06
31	**Feb-17**	4.66	0.28		0.95	5.89	1.86	4.03
32	**Mar-17**	6.08	0.14	0.89	0.31	7.42	2.48	4.94
33	**Apr-17**	5.61	0.05		-0.44	5.22	2.19	3.03
34	**May-17**	3.78	0.20		-0.37	3.61	1.23	2.38
35	**Jun-17**	3.42	0.29	0.51	-0.79	3.43	1.25	2.18
36	**Jul-17**	1.83	0.30		-0.40	1.73	0.70	1.03
37	**Aug-17**	2.05	0.01		-0.46	1.60	0.65	0.95
38	**Sep-17**	3.21		0.39	-0.61	2.99	0.99	2.00
39	**Oct-17**	2.90			-0.44	2.46	0.73	1.73
39	**Nov-17**	5.00			-0.69	4.31	0.12	4.19
	Total	**75.28**	**5.35**	**1.84**	**15.60**	**98.07**	**25.74**	**72.33**

Chapter 4. Status of Risk

4.1 HANDING OVER OF SECTION

Handing over status of Sections is mentioned below

Section Name	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	
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 STATUS OF UTILITY SHIFTING

Sl. no	Chainage		Name of Village	Encumbrance upto Previous month				Encumbrance removed during this month				Encumbrances (in number)			
	From	To		Tree	EP	R&R	RWSS	Tree	EP	R&R	RWSS	Tree	EP	R&R	RWS
1	49.00	54.56	Law College Road, Morrum Road, Gulnagar, Khairabad, Kendrapara Town, Kapaleswar Colony				2				2				
2	54.56	69.71	Beltal												
3	69.71	72.43	Balipada,Kasanta		22				2				20		
4	72.43	83.30	Kasanta, Gopalpur, Bilikana		10				2				8		
5	83.30	96.00	Demal,Kalapahada, Gokaneswar,Achyutpur,Kanthapada,Arasa,Ostia		2	7	1						2	7	1
6	96.00	97.50	Gokaneswar	117		2		2				115		2	
7	97.50	105.50	Ualia, Similia, MadhubabuChak, Bada Bazar, Busstand, Maa Kali Nagar, Panchapada,Krushanpur, Kunarsar, Sagadia		4	25	12		4	12	6			13	6
			Total	**117**	**38**	**34**	**15**	**2**	**8**	**12**	**8**	**115**	**30**	**22**	**7**

4.3 ANY OTHER ISSUE

a. Extended time of completion for section I ended on 03.05.2017 and that of Section II on 31.10.2017. Both sections have not been completed. The Contractor has requested EoT of Section –II up to 31.01.2018 which is under consideration.

The progress of work is very slow. It is required to be expedited in order to complete all the sections and whole work by 7th July 2018 in accordance with supplementary agreement

4.4 RISK INVOLVED

There is apprehension of delay in completion of the work if Contractor does not plan and mobilise adequate men, material and machineries accordingly for execution as per programme.

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	Contractor obtained CTE/ CTO for BMP/HMP/WMM plants. CTO is valid up to 31.03.2018. -Contractor obtained CTE/CTO for Crusher. CTO is valid up to 31.03.2020.
4	Construction Camp(s) – Selection, Design and Layout	After approval, constructed office/laboratory/store/guest house/workshop.
5	Construction Vehicles, Equipment and Machinery	Obtained PUC certificates for vehicles.
6	Identification, Operation and Rehabilitation of Borrow Areas	Nimpura borrow area is in operation for cover soil/ Subgrade Embankment sand at Kharasrota borrow area is in operation.
7	Identification, Operation and Rehabilitation of Stone Quarry	Anjira (Dharamsala) stone quarry is in operation. Lease granted for 5 yrs. On 15.02.2016.
8	Identification, and Operation of Sand Quarry	Embankment sand at Kharasrota borrow area is 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	Top soil from Clearing & grubbing is stored at roadside, stocked soil is used for slope filling.
12	Labour Camp Management	All basic amenities provided in camp, proper sanitation, housekeeping & cleaning is on-going process.
13	Transportation of Construction Materials and Haul Road Management	Covered vehicles are used for material transportation and haul road is maintained time to time.
14	Worksite Safety Management	Safety arrangement as sign boards, barricading, sand bags are provided at different construction sites.
15	Accessibility	No obstructions reported during this month.
16	Disruption to Other Users of Water	Such obstructions have not been reported.
17	Labour Requirements	Labourers engaged are local.
18	Pollution Management	No discharge in water body, obtained PUC certificate. Pollution monitoring is yet to be done.
19	Drainage and Flood Control	Not observed any blockage of cross drainage
20	Slope Protection and Control of Soil Erosion	Slope protection is being done for avoidance of soil erosion.
21	Waste Management	Scarified materials are used in haul road management.
22	Chance Found Archaeological Property	No archaeological property found.
23	Demobilisation and Decommissioning	No activity during this month

5.2 ROAD SAFETY

Safety arrangement as signages, barricading, sand bags, delineators, and caution tapes during different construction activities has been provided.

<table>
<tr><td> </td><td>
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<tr><td>Men at work signboard at Ch. 53+322 (LHS)</td><td>Men at work signboard at Ch. 76+170 (LHS)</td></tr>
<tr><td> </td><td>
</td></tr>
<tr><td>Men at work signboard in Odia at Ch. 76+650 (LHS)</td><td>Work in progress signboard at Ch. 68+900 (LHS)</td></tr>
</table>

Chapter 6. Variation and Changes

6.1 SUMMARY OF CHANGE ORDER

Change Order No.	Description of Change Item	Increase in cost (Rs. In Cr)	Cumulative increase (Rs. In 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

Change Order No.	Description of Change Item	Increase in cost (Rs. In Cr)	Cumulative increase (Rs. In Cr)	Percentage of increase/ decrease on contract price	Cumulative % of increase/ decrease of contract price	Remarks
11	Embankment construction with soil having CBR not less than 5%	-0.01	17.55	0.00%	10.30%	Approved
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

Change Order No.	Description of Change Item	Increase in cost (Rs. In Cr)	Cumulative increase (Rs. In Cr)	Percentage of increase/ decrease on contract price	Cumulative % of increase/ decrease of contract price	Remarks
17	Addition/deletion of Humepipe culverts	0.08	43.43	0.05%	25.49%	--do--
18	Increase in quantity of Embankment BOQ items 2.02 & 2.03	16.15	59.58	9.48%	34.96%	Submitted to Employer for approval
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	59.58	0.00%	34.96%	--do--
20	Pothole repair for maintenance	0.12	59.70	0.07%	35.04%	--do--
21	Pothole repair for maintenance	0.075	59.79	0.04%	35.08%	--do--

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	Item	No. of test conducted	No. of tests failed	Remedial measure adopted
1	Embankment control Tests	166	2	Re-tested after compaction
2	Tests in Sub grade	152	1	Re-tested after compaction
3	Tests in GSB	268	1	Re-tested after compaction
4	Tests in WMM	186	0	
5	Tests in DBM	54	0	
6	Tests in BC	46	0	
7	Coarse aggregate for Structures (Gradation)	31	0	
8	Fine aggregate for Structures (Gradation)	31	0	
9	Cement	2	0	
10	Cube Compression Tests (28 days)	72	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 history as on date.

Sl. No	Designation	Name	Joining Date/Period	Remarks
1	Resident Engineer	Mr. Haradhan Das	12.06.2017	
2	Highway Engineer	Mr. Amit Kumar Mohapatra	21.12.2015	
3	Quantity Surveyor	Mr. A.R. Sudarshana	01.03.2015	
4	Bridge Engineer	Mr. B. Mallikarjuna Rao	05.06.2015	
5	Senior Surveyor (For Both PKG-P04A & P04B)	Mr. Dilip Kumar De	21.12.2015	
6	Material Engineer- cum- Quality Monitor	Mr. Niranjan Kumar	20.10.2016	
7	Bridge Design Engineer (Intermittent)	Mr. Dhruvjyoti Ghatak	03.01.2014	
8	CADD Engineer	Mr. Hamanta Paul	24.02.2016	
9	Asst. Highway Engineer	Mr. Umesh Chandra Chaurasia	01.03.2016	
10	Asst. Highway Engineer	Mr. Mrutyunjaya Biswal	29.11.2016	
11	Asst. Bridge Engineer	Mr. Abhay Kumar Dubey	01.11.2016	
12	Asst. Quantity Surveyor	Mr. Avishek Kumar Yadav	05.09.2017	
13	Asst. Material-cum-Quality Engineer	Mr. Bijay Kumar Nayak	01.02.2015	
14	Asst. Material-cum-Quality Engineer	Mr. Anurag Satapathi	17.10.2016	
15	Technician (Field/Lab/Plant)	Mr. Nalinikanta Mallik	03.01.2014	
16	Asst. Surveyor	Mr.Malaya Kumar Swain	01.12.2015	
17	Asst. Surveyor	TBN		
18	Office Manager-cum-Accountant	Mr. Rajesh Kumar	08.03.2015	
19	Computer Operator-cum-Office Assistant	Mr. Sumant Kumar Sahoo	01.04.2014	
20	Office Attendant /Watch man	Mr. Manoranjan Sahoo	17.12.2013	
21	Office Attendant /Watch man	Mr. Gourahari Das	21.03.2014	
22	Office Attendant /Watch man	Mr. Akhay Mallick	01.04.2014	

8.2 CONTRACTOR'S TEAM

The Contractor's Key Mobilisation status is as follows:

Sl. No	Position	Name	Date of Joining	Remarks
1	Project Manager	Mr. V.P. Singh	17-01-2016	CV not submitted.
2	Highway Engineer	Mr. Chandra Ban Singh	06-05-2015	CV not approved
3	Bridge Engineer	TBN		
4	Material Engineer	Mr. B. Kastshuri Raju	09.10.2016	CV not submitted
5	Equipment Maintenance Engineer	Mr. Mir Md Faridadin	16.05.2016	CV not submitted
6	Quantity Surveyor	Mr. Ganesh Pandian	27.09.2016	CV not submitted
7	Environment & Safety Manager	TBN		

8.3 STATUS OF PLANT AND EQUIPMENT OF CONTRACTOR

Sl. No.	*Description of Equipment / Plant*	*Min. No. To be Mobilized as per Contract*	*No. Mobilized*
1	Mechanical Bitumen Sensor Paver100 TPH	1	1
2	Motor Grader(200 cum/Hr)	2	4
3	Hydraulic Excavator	2	6 nos at Site & 2 nos at Stone Quarry
4	Vibratory Roller (Tandem-8T) (100 cum/Hr)	3	2
5	Pneumatic Tyre Roller(25 cum/Hr)	1	1
6	Transit Mixer(6 cum/Hr)	5	7
7	Front end Loader	3	1
8	Dozer (150 cum/Hr)	1	2
9	Tipper (of different capacities)	35	42 nos at site, 8 nos at Stone Quarry& 10 nos engaged in Aggregate Transportation
10	Bitumen sprayer(1750 sqm/hr)	1	1
11	Earth Compactor (8-10 ton)	3	5
12	Water tanker (12 KL)	5	3
13	Mechanical Paver (100 TPH)	1	0
14	Concrete Pump (20 cum/Hr)	2	1
15	Concrete Fixed Form Paver (100 TPH)	1	0
Plants			
16	Hot Mix Plant (Batch Mix only)(100 TPH)	1	1
17	Concrete Batch-mix Plant (30 cum/Hr)	1	1
18	Cone Crushing Unit (200 TPH)	1	1
19	WMM Plant (100 TPH)	1	1

The following survey equipment is available at site;

Sl. No.	Name of the equipment	Quantity (Nos.)
1	Total station	1
2	Auto level	7

Chapter 9. Visits and Meetings

1. Site visit of EIC-Cum Works Secretary on 22 December .2017.
2. Review meeting at the office of Chief Engineer (DPI & Roads) on 13 December.2017,regarding Removal of Hindrances of P04B.
3. Review meeting at the Executive Engineer (R & B) Bhadrak on 23.12.2017 regarding-removal of Hindrances at Chandbali Section i.e. from Ch. 99+000 to 105+500.

Chapter 10. Important Correspondence during the Month

10.1 SUBMISSIONS AND APPROVALS

- Submission of MPR of November17 vide letter no. LASA/RE-2/73466/2017/978 dated 15-December-2017.
- Submission of the Interim Payment Certificate no. 40 of Contractor vide letter no. LASA/RE-2/73466/2017/982 dated 19-December-2017.

10.2 CORRESPONDENCES

Contractor

- Incoming from the Contractor: 19 nos.
- Outgoing to the Contractor: 7 nos.

Employer

- Incoming from OWD: 1 no.
- Outgoing to OWD: 13 nos.

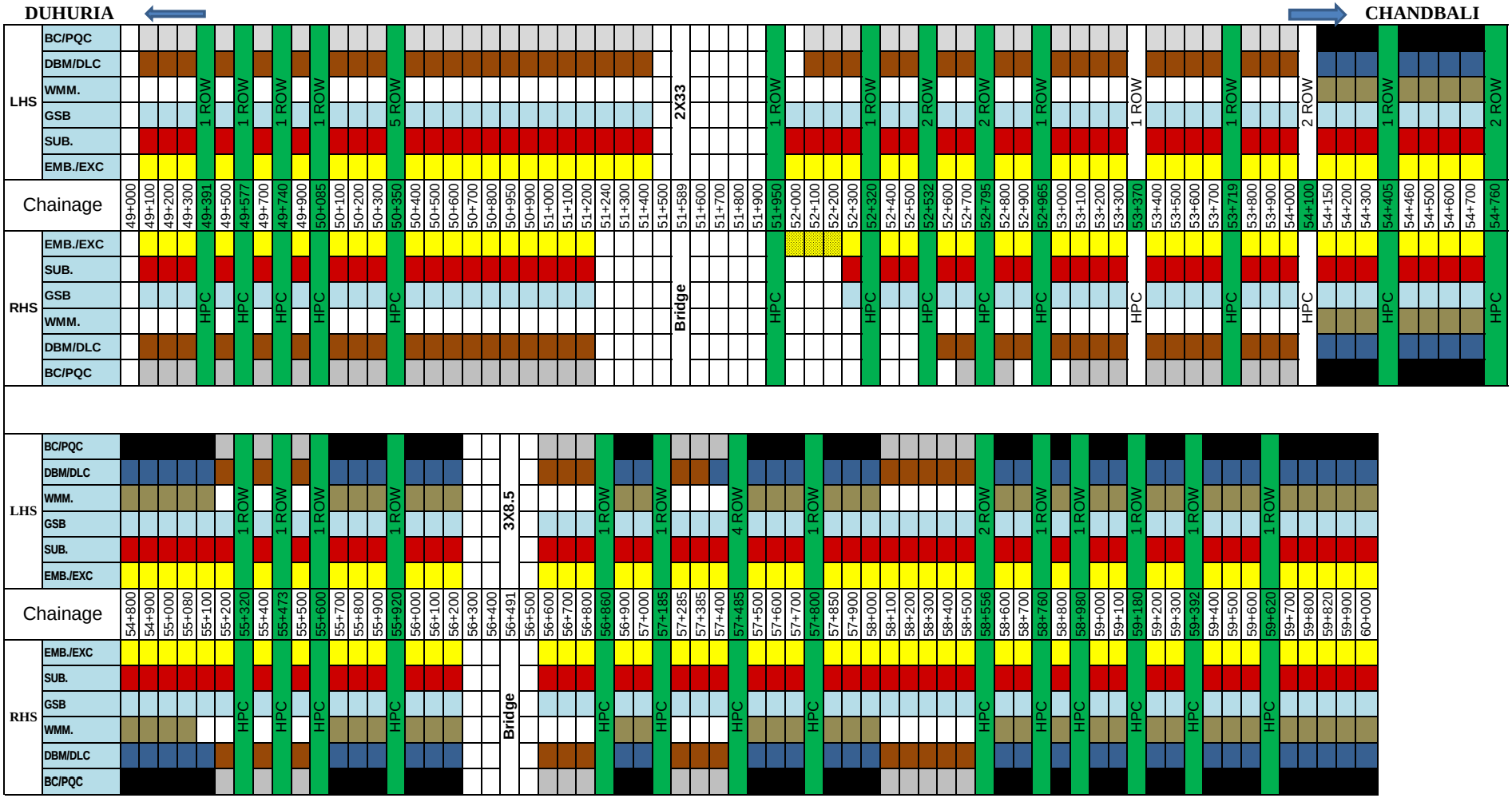
The list of important correspondences made during the month is furnished as Annexure-6.

Chapter 11. Weather during the Month

Sl. No	Date	Minimum Temp °C	Maximum Temp °C	Min Humidity	Max Humidity	Rain Fall (mm)	Remarks
1	1-Dec-17	14.5	20.9	37	78	Nil	
2	2-Dec-17	14.6	21.2	38	76	Nil	
3	3-Dec-17	14.5	21.1	36	76	Nil	
4	4-Dec-17	14.8	21.6	39	80	Nil	
5	5-Dec-17	14.0	20.2	37	79	Nil	
6	6-Dec-17	14.3	20.7	39	81	Nil	
7	7-Dec-17	14.0	18.2	44	89	Nil	
8	8-Dec-17	13.2	17.9	42	90	88	
9	9-Dec-17	13.0	17.5	37	92	17	
10	10-Dec-17	13.1	18.2	41	81	Nil	
11	11-Dec-17	13.8	19.0	38	78	Nil	
12	12-Dec-17	14.3	19.9	40	76	Nil	
13	13-Dec-17	14.0	20.4	37	77	Nil	
14	14-Dec-17	14.4	20.6	39	81	Nil	
15	15-Dec-17	14.6	20.8	42	80	Nil	
16	16-Dec-17	14.2	20.9	40	79	Nil	
17	17-Dec-17	14.3	20.6	38	78	Nil	
18	18-Dec-17	13.8	21.8	41	80	Nil	
19	19-Dec-17	14.0	21.0	39	76	Nil	
20	20-Dec-17	13.5	20.8	36	77	Nil	
21	21-Dec-17	13.0	21.5	38	80	Nil	
22	22-Dec-17	14.5	22.2	40	78	Nil	
23	23-Dec-17	14.9	21.8	37	80	Nil	
24	24-Dec-17	14.2	20.5	39	76	Nil	
25	25-Dec-17	13.8	22.8	41	75	Nil	
26	26-Dec-17	13.5	24.5	38	78	Nil	
27	27-Dec-17	13.1	22.4	40	81	Nil	
28	28-Dec-17	13.7	23.2	36	74	Nil	
29	29-Dec-17	13.0	23.4	37	75	Nil	
30	30-Dec-17	13.4	23.2	36	74	Nil	
31	31-Dec-17	13.2	23.3	37	75	Nil	

"Widening of Strengthening of Existing Carriage Way to 2 lane road from Duhuria to Chandbali (49/000 to Km.99/000 of MDR & Km 45/000 to Km 51/500 of SH-9)- Package OSRP-CW-ICB-P04B"

STRIP CHART (FROM KM. 49+000 TO KM. 60+000)

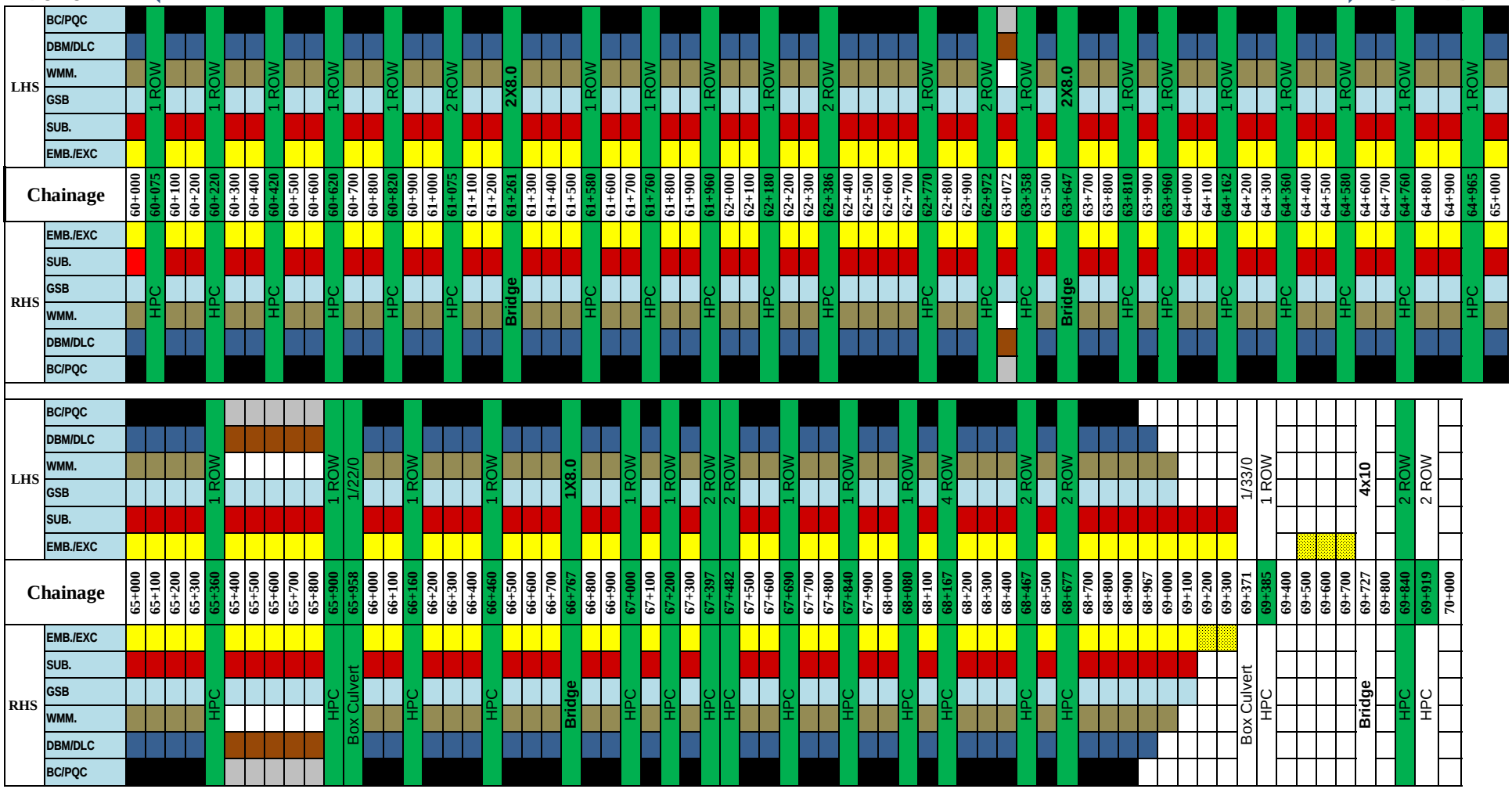


LEGENDS:	Road Work					Structure	
Embankment / Excavation		WMM		DLC		Completed	
Subgrade		DBM		PQC		In Progress	
GSB		BC		E/W in Progress		To be started	

"Widening of Strengthening of Existing Carriage Way to 2 lane road from Duhuria to Chandbali (49/000 to Km.99/000 of MDR & Km 45/000 to Km 51/500 of SH-9)- Package OSRP-CW-ICB-P04B"

STRIP CHART (FROM KM. 60+000 TO KM. 70+000)

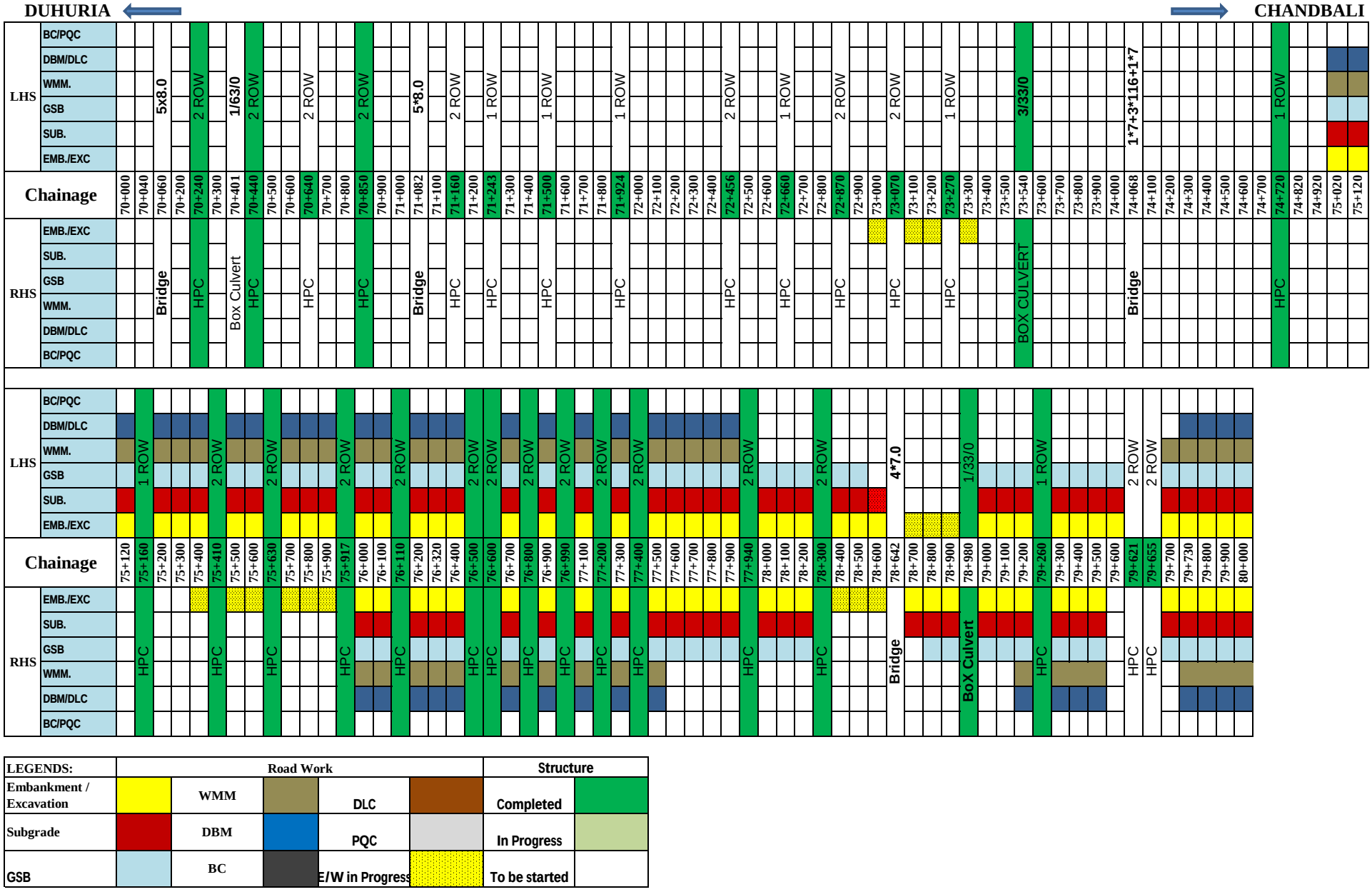
DUHURIA ⟵ ⟶ **CHANDBALI**



LEGENDS:	Road Work						Structure	
Embankment / Excavation		WMM		DLC			Completed	
Subgrade		DBM		PQC			In Progress	
GSB		BC		E/W in Progress			To be started	

"Widening of Strengthening of Existing Carriage Way to 2 lane road from Duhuria to Chandbali (49/000 to Km.99/000 of MDR & Km 45/000 to Km 51/500 of SH-9)- Package OSRP-CW-ICB-P04B"

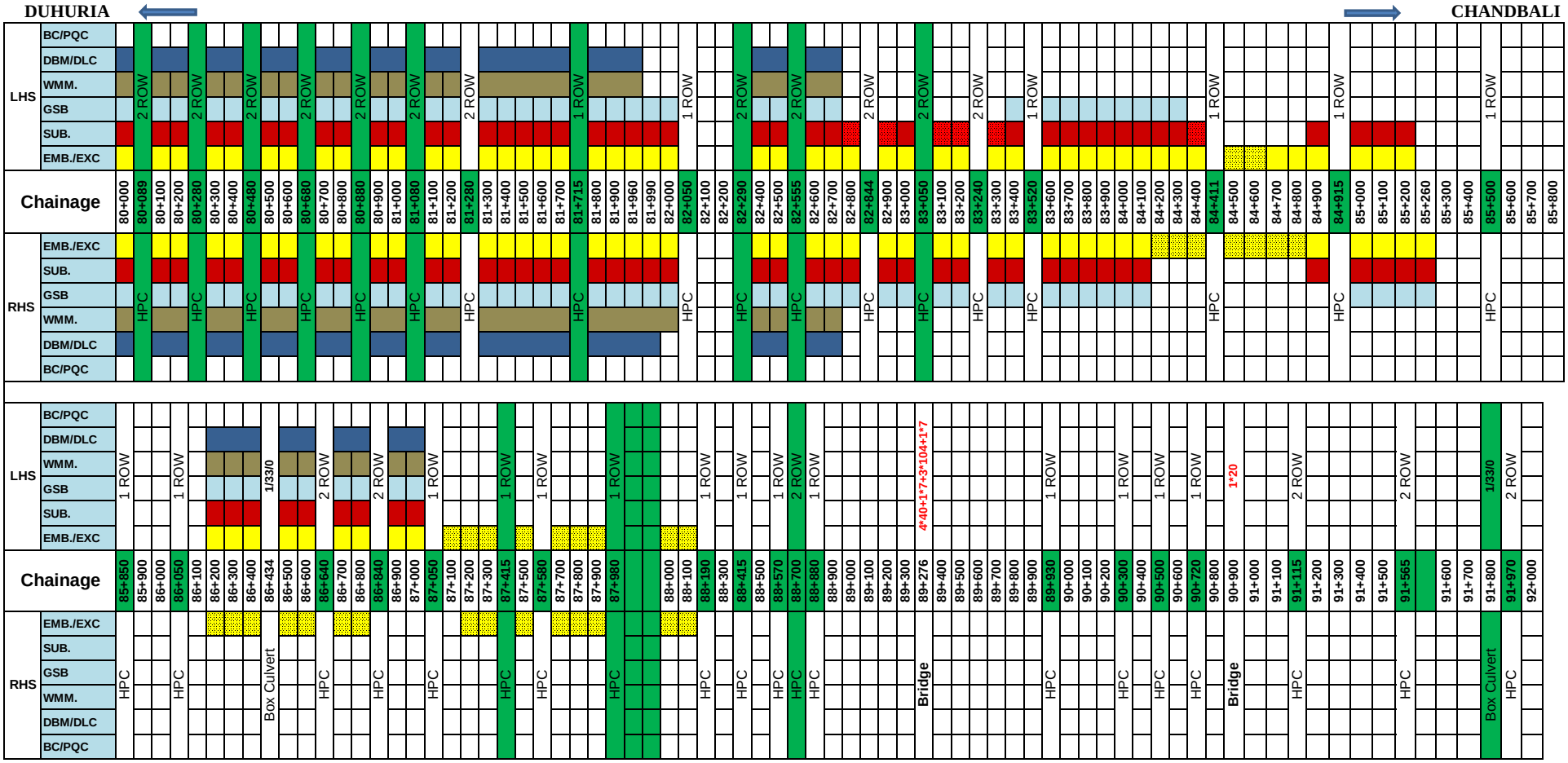
STRIP CHART (FROM KM. 70+000 TO KM. 80+000)



LEGENDS:	Road Work					Structure	
Embankment / Excavation		WMM		DLC		Completed	
Subgrade		DBM		PQC		In Progress	
GSB		BC		E/W in Progress		To be started	

"Widening of Strengthening of Existing Carriage Way to 2 lane road from Duhuria to Chandbali (49/000 to Km.99/000 of MDR & Km 45/000 to Km 51/500 of SH-9)- Package OSRP-CW-ICB-P04B"

STRIP CHART (FROM KM. 80+000 TO KM. 92+000)

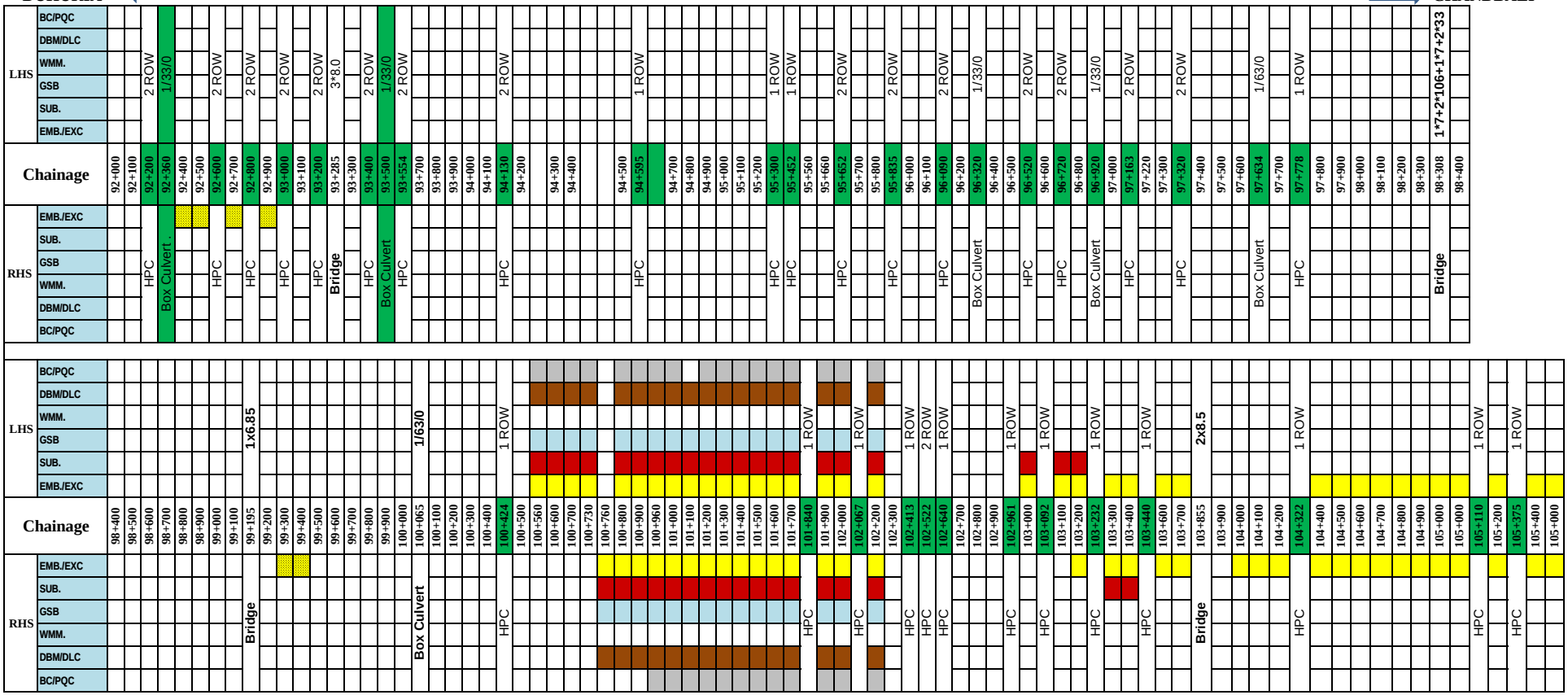


LEGENDS:	Road Work					Structure	
Embankment / Excavation		WMM		DLC		Completed	
Subgrade		DBM		PQC		In Progress	
GSB		BC		E/W in Progress		To be started	

"Widening of Strengthening of Existing Carriage Way to 2 lane road from Duhuria to Chandbali (49/000 to Km.99/000 of MDR & Km 45/000 to Km 51/500 of SH-9)- Package OSRP-CW-ICB-P04B"

STRIP CHART (FROM KM. 92+000 TO KM. 105+500)

DUHURIA ⟵ ⟶ **CHANDBALI**



LEGENDS:	Road Work					Structure		
Embankment / Excavation		WMM		DLC		Completed		
Subgrade		DBM		PQC		In Progress		
GSB		BC		E/W in Progress		To be started		

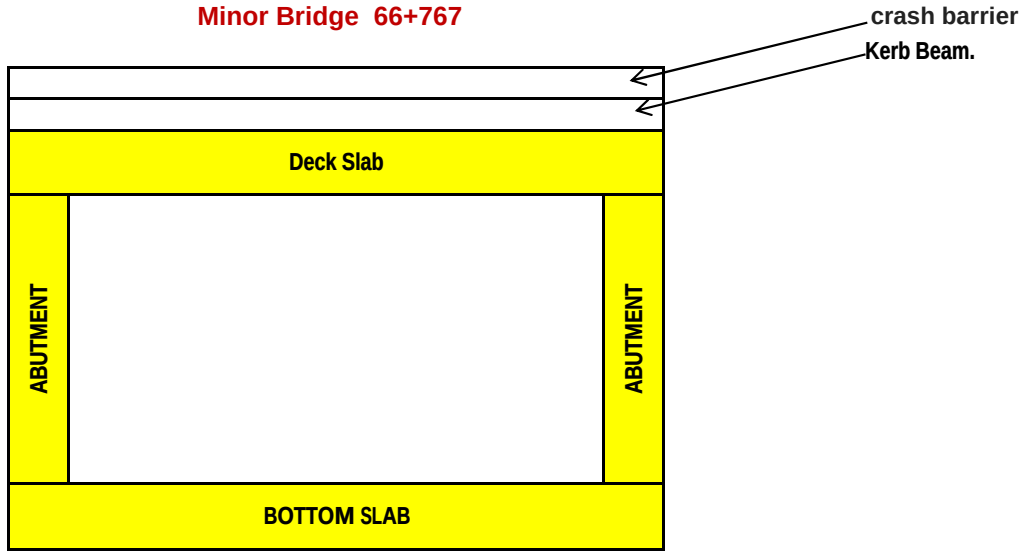
Appendix-2

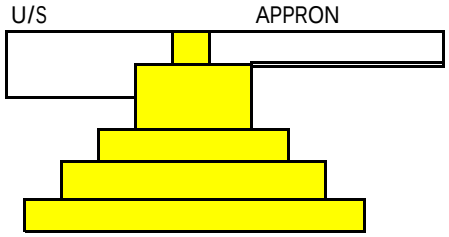
Widenning & Streangthening of existing carriageway to 2-lane road from Duhuria to Chandbali (Km 49/000 to Km, 99/000 of MDR & Km 45/000 to Km. 51/500 of SH-9)

ICB Package OSRP-CW-ICB-P04B

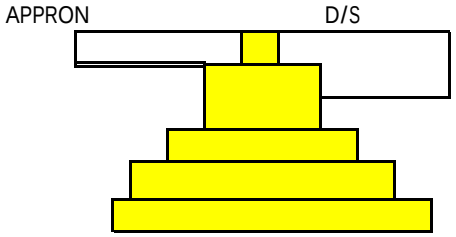
Pictorial Chart of Minor Bridges

Minor Bridge 66+767



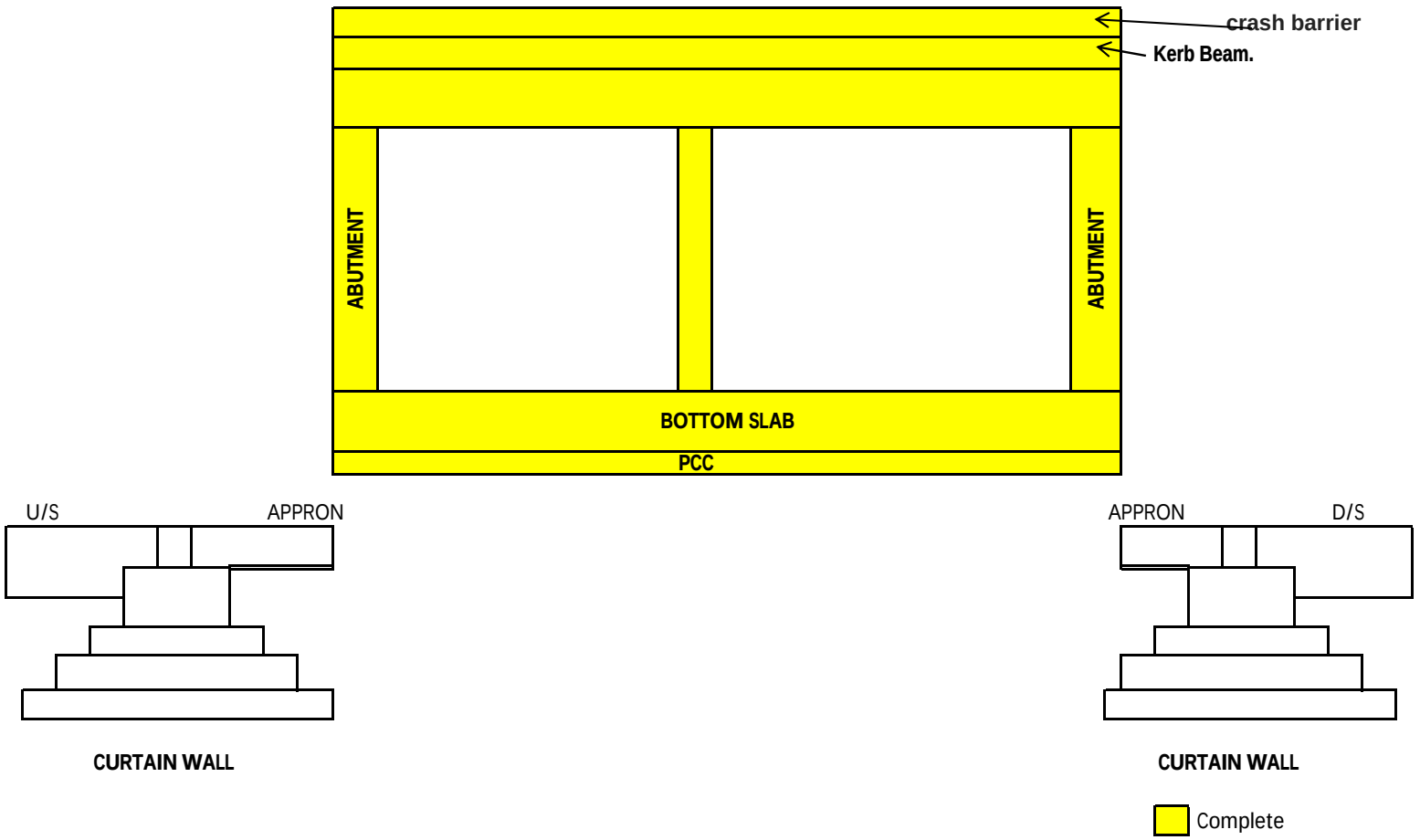


CURTAIN WALL



CURTAIN WALL

Minor Bridge @ 63+647



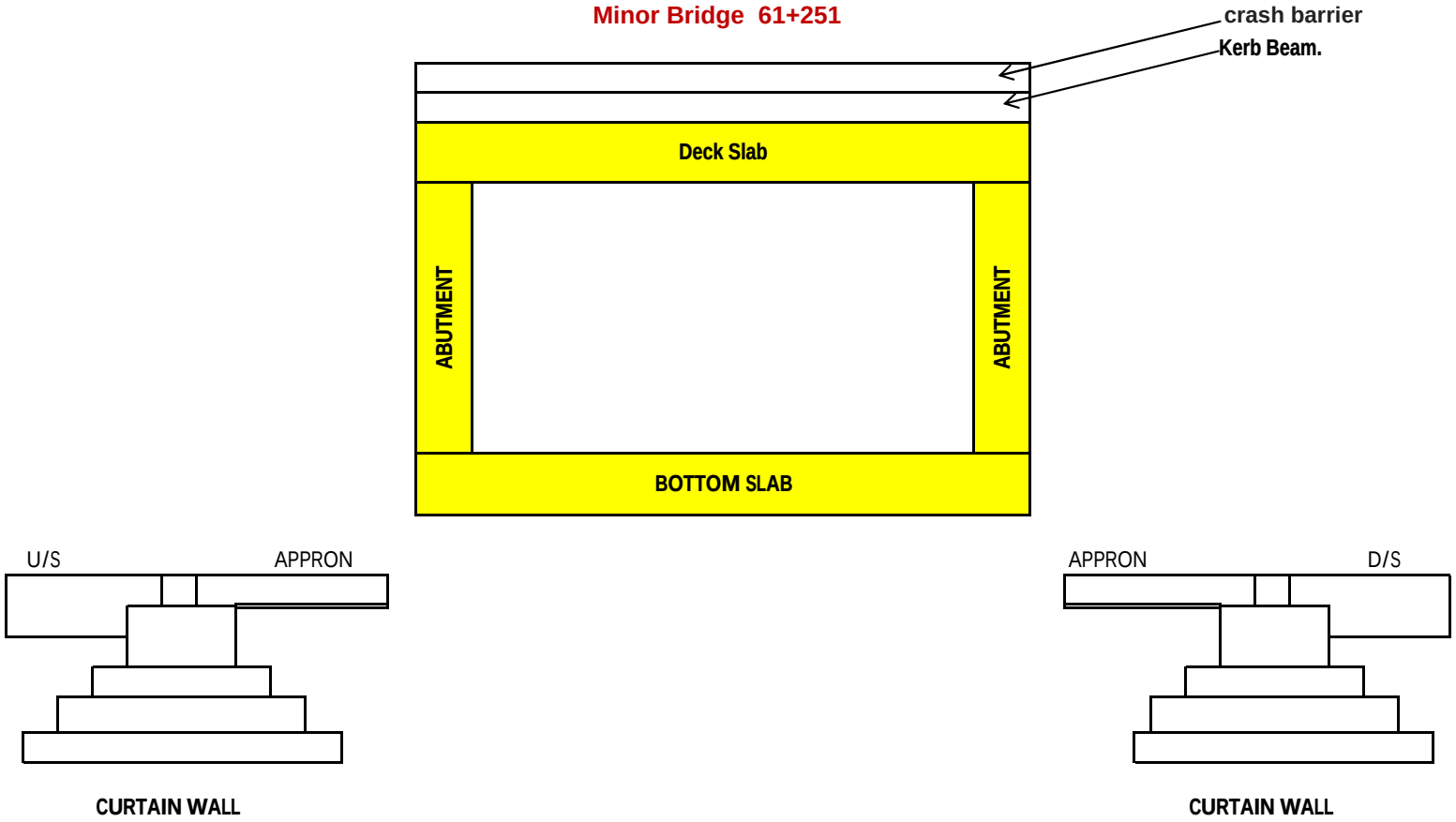
Appendix-2

Widenning & Streangthening of existing carriageway to 2-lane road from Duhuria to Chandbali (Km 49/000 to Km, 99/000 of MDR & Km 45/000 to Km. 51/500 of SH-9)

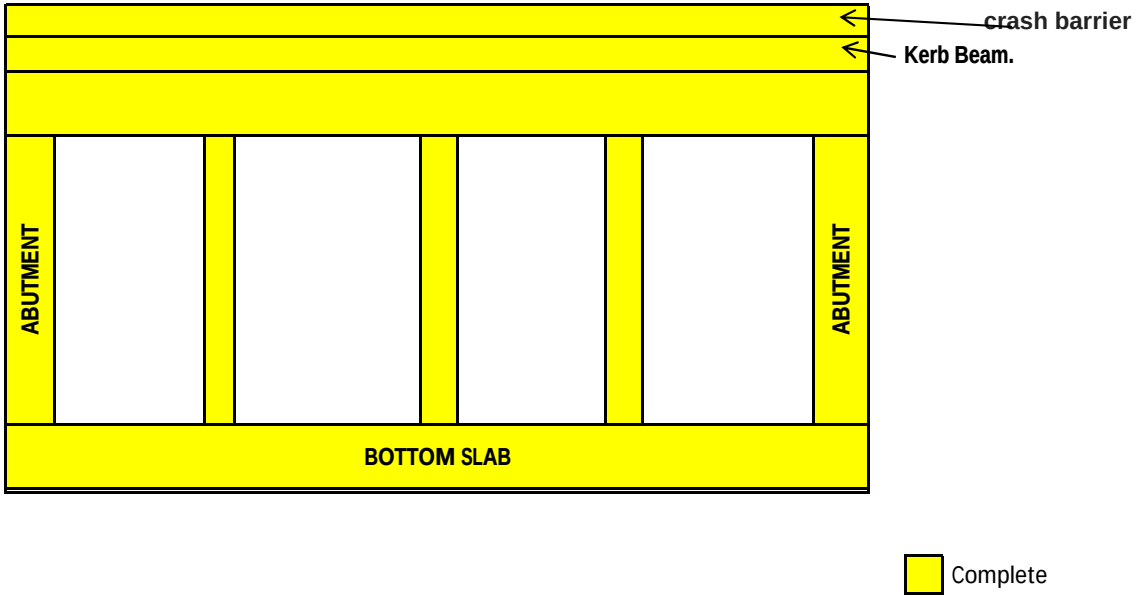
ICB Package OSRP-CW-ICB-P04B

Pictorial Chart of Minor Bridges

Minor Bridge 61+251



Minor Bridge @ 69+727



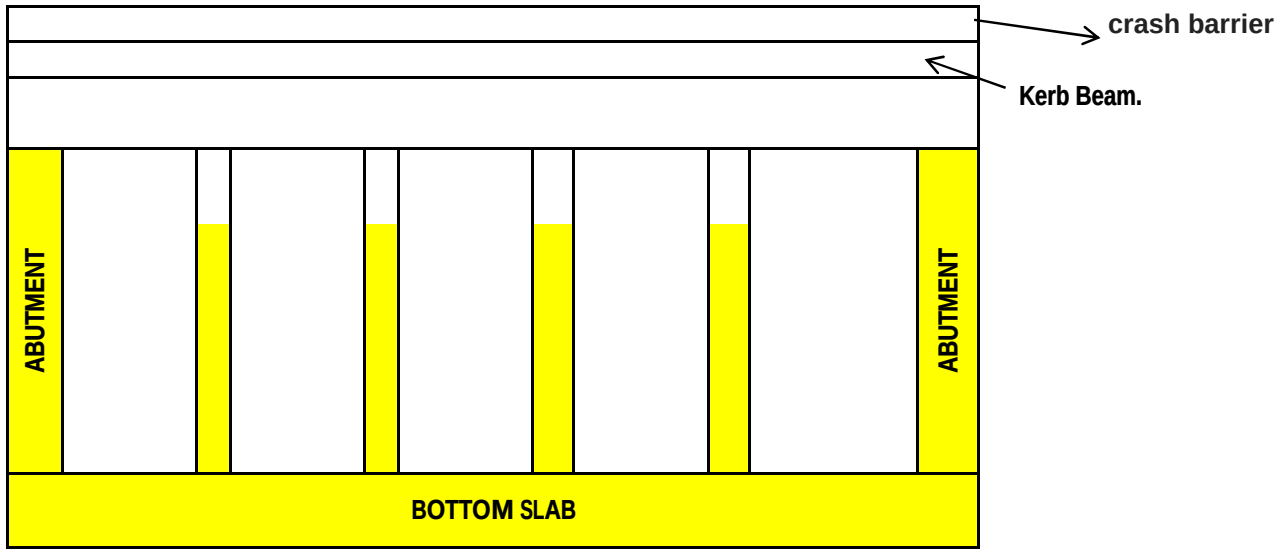
Appendix-2

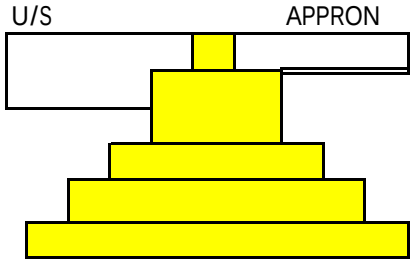
Widenning & Streangthening of existing carriageway to 2-lane road from Duhuria to Chandbali (Km 49/000 to Km, 99/000 of MDR & Km 45/000 to Km. 51/500 of SH-9)

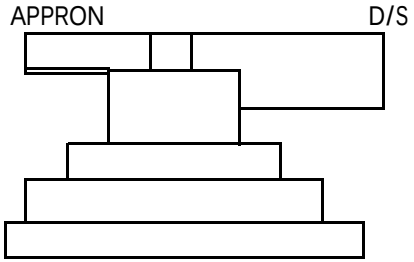
ICB Package OSRP-CW-ICB-P04B

Pictorial Chart of Minor Bridges

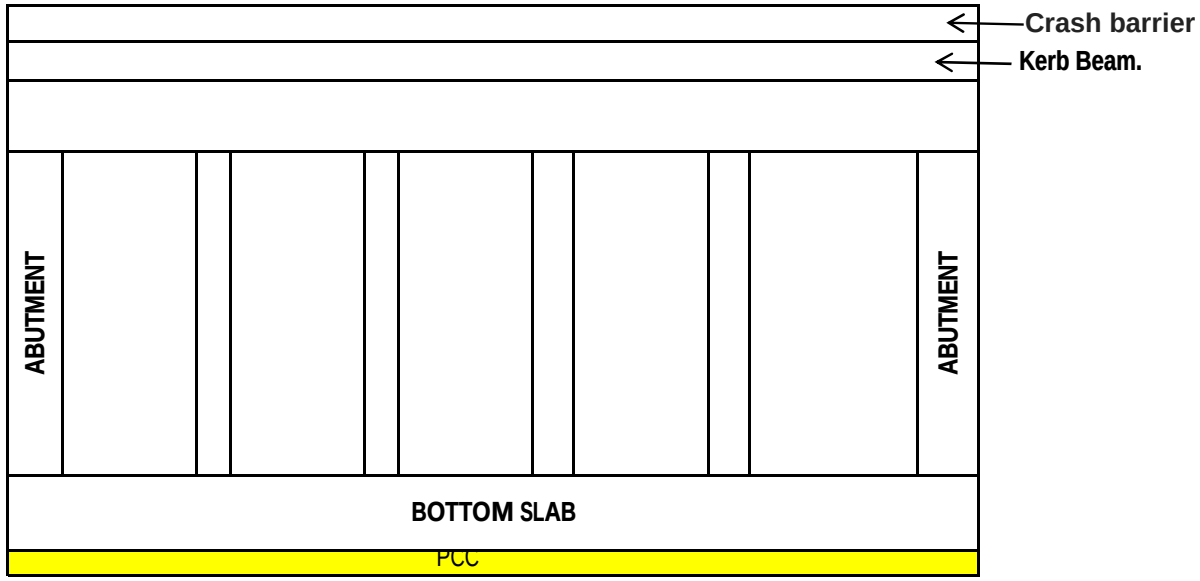
Minor Bridge @ 70+100

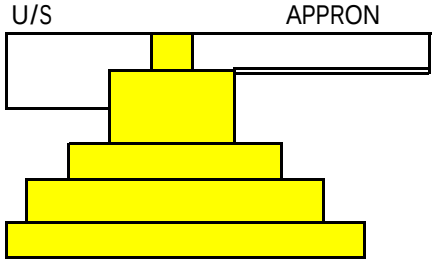




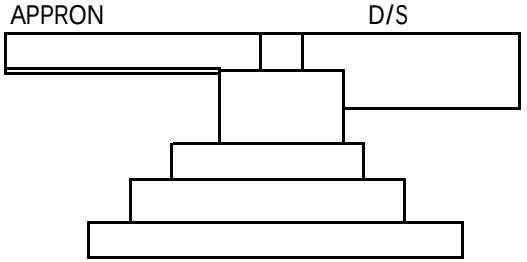


Minor Bridge @ 71+082





CURTAIN WALL



CURTAIN WALL

Complete

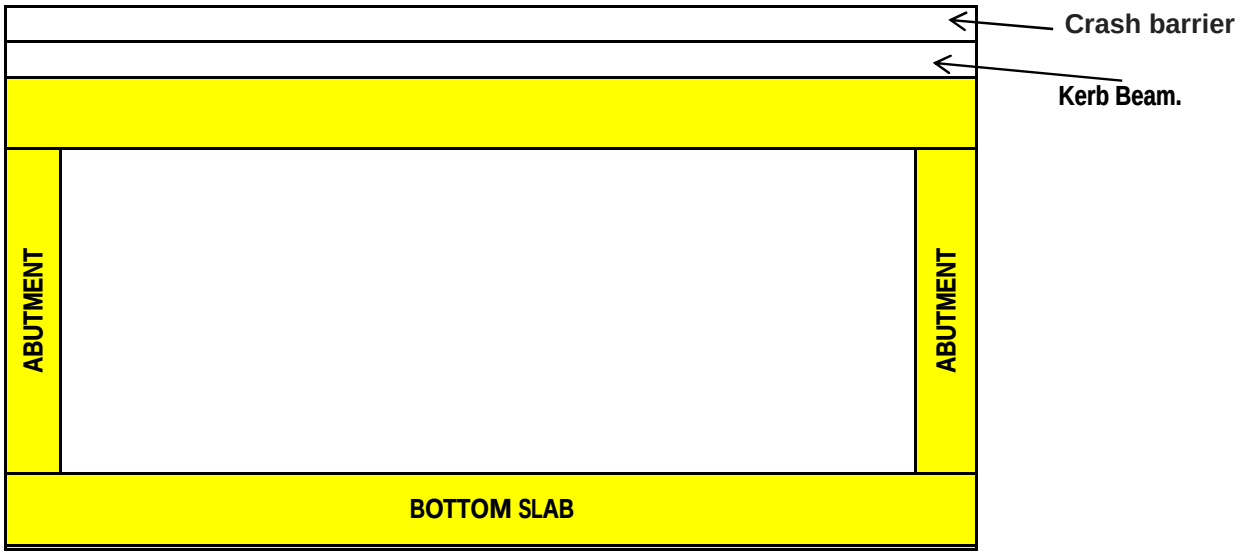
Appendix-2

Widenning & Streangthening of existing carriageway to 2-lane road from Duhuria to Chandbali (Km 49/000 to Km, 99/000 of MDR & Km 45/000 to Km. 51/500 of SH-9)

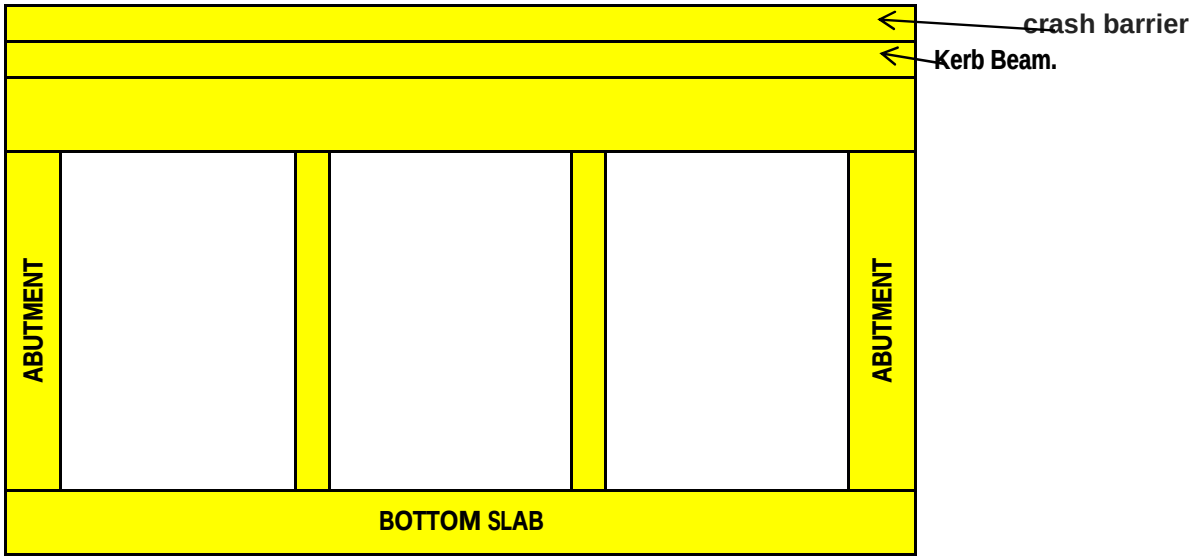
ICB Package OSRP-CW-ICB-P04B

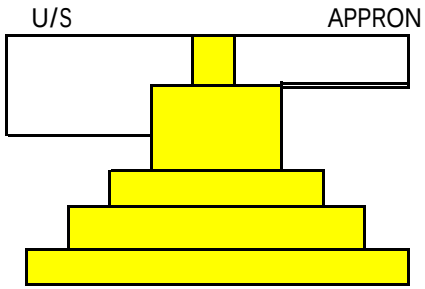
Pictorial Chart of Box Culverts

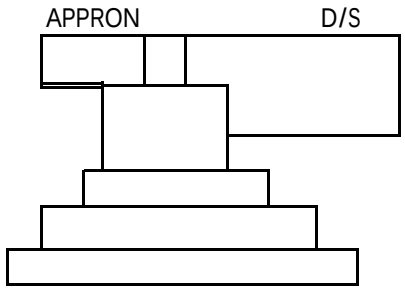
BC @ 65954



Box Culvert @ 73+540







Complete

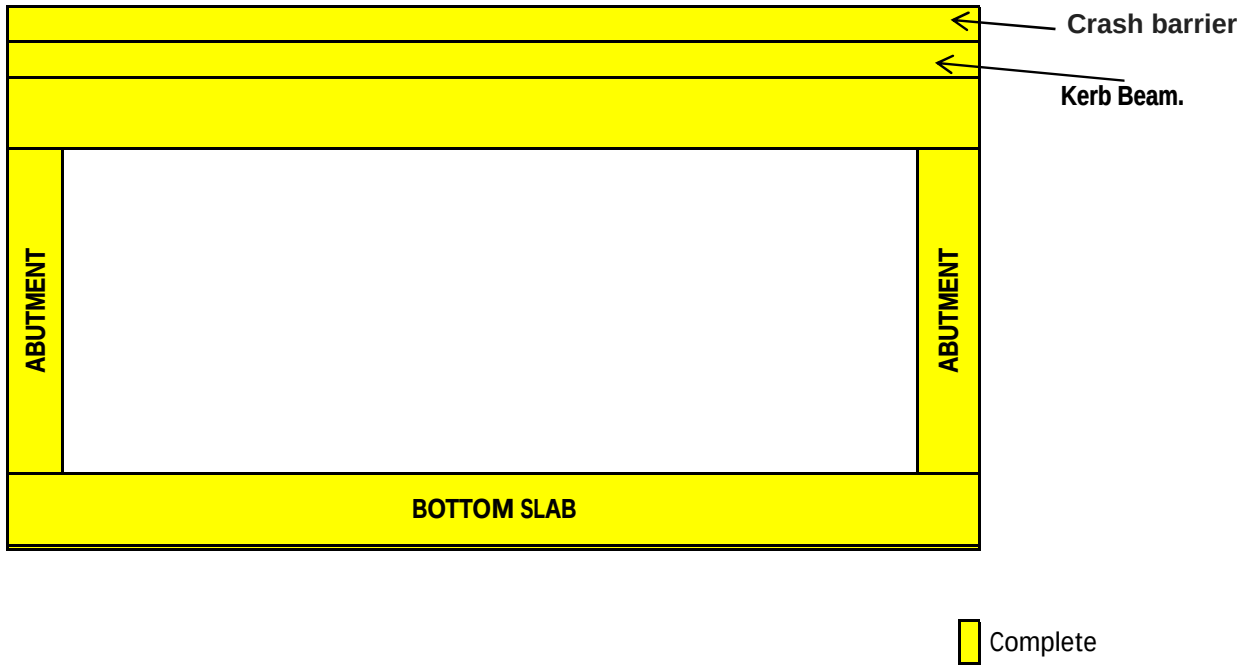
Appendix-2

Widenning & Streangthening of existing carriageway to 2-lane road from Duhuria to Chandbali (Km 49/000 to Km, 99/000 of MDR & Km 45/000 to Km. 51/500 of SH-9)

ICB Package OSRP-CW-ICB-P04B

Pictorial Chart of Box Culverts

BC @ 69371

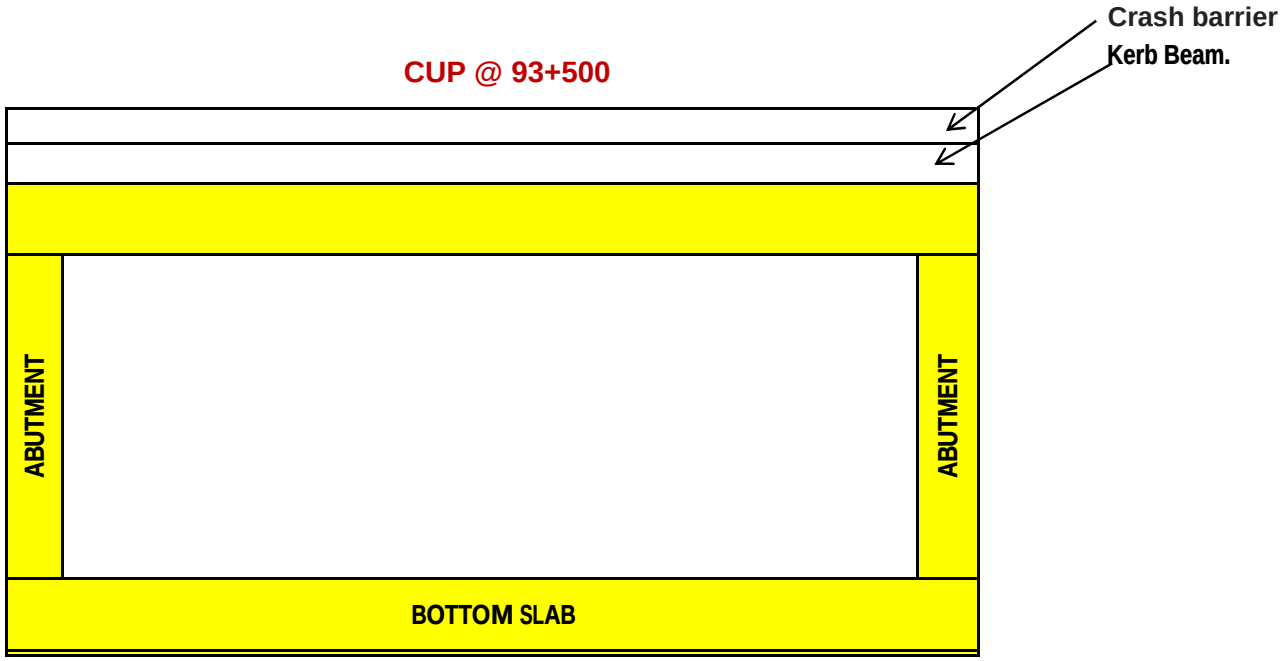


Appendix-2

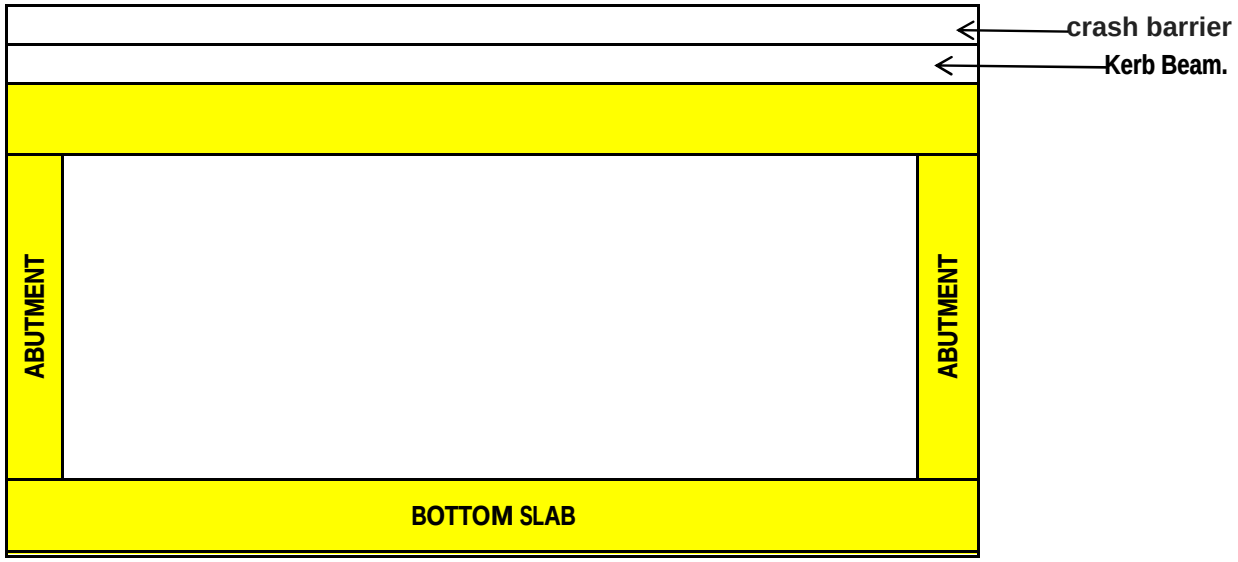
Widenning & Streangthening of existing carriageway to 2-lane road from Duhuria to Chandbali (Km 49/000 to Km, 99/000 of MDR & Km 45/000 to Km. 51/500 of SH-9)

ICB Package OSRP-CW-ICB-P04B

Pictorial Chart of Underpasses



CUP @ 91+800


crash barrier
Kerb Beam.
ABUTMENT
ABUTMENT
BOTTOM SLAB
Complete

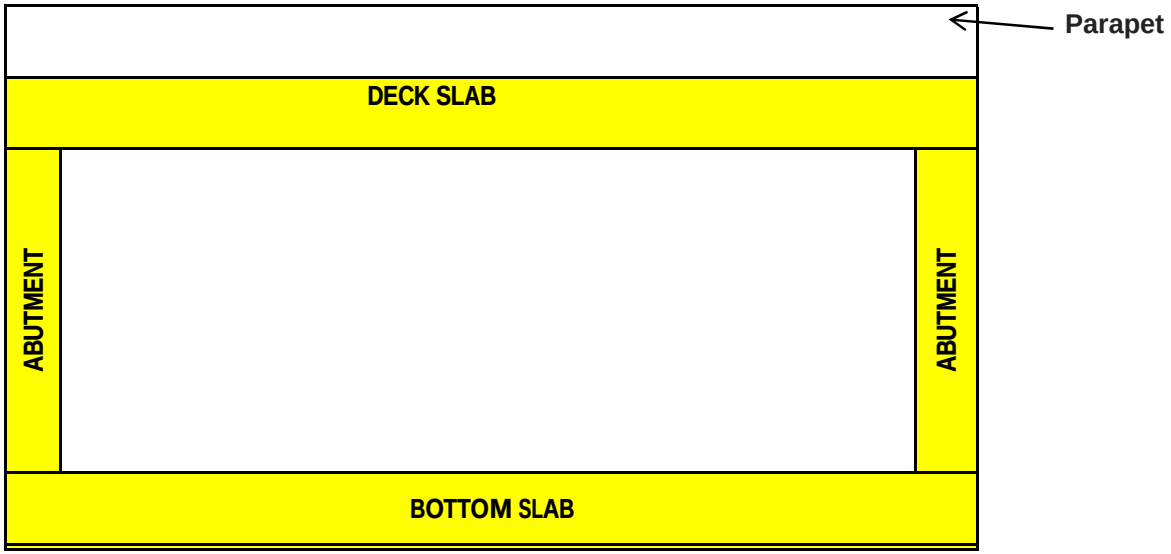
Appendix-2

Widenning & Streangthening of existing carriageway to 2-lane road from Duhuria to Chandbali (Km 49/000 to Km, 99/000 of MDR & Km 45/000 to Km. 51/500 of SH-9)

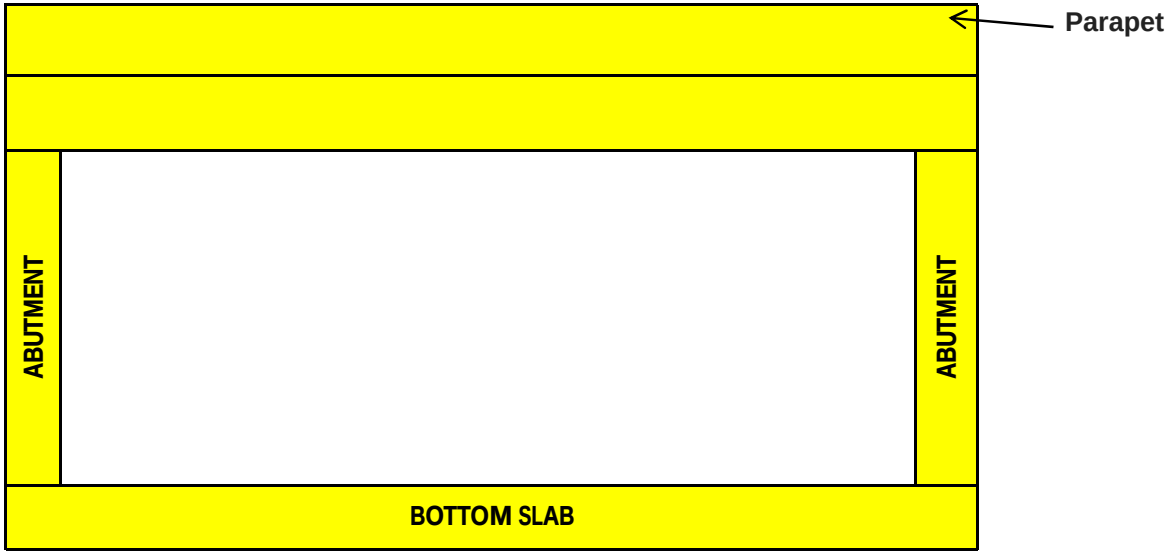
ICB Package OSRP-CW-ICB-P04B

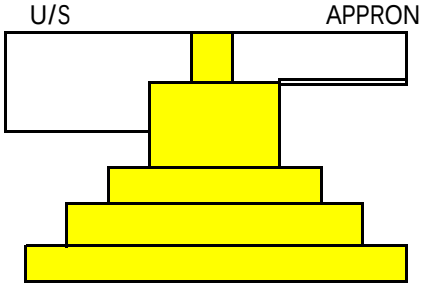
Pictorial Chart of Underpasses

CUP @ 92360

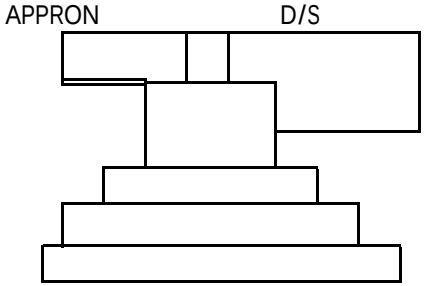


CUP @ 78980





CURTAIN WALL



CURTAIN WALL

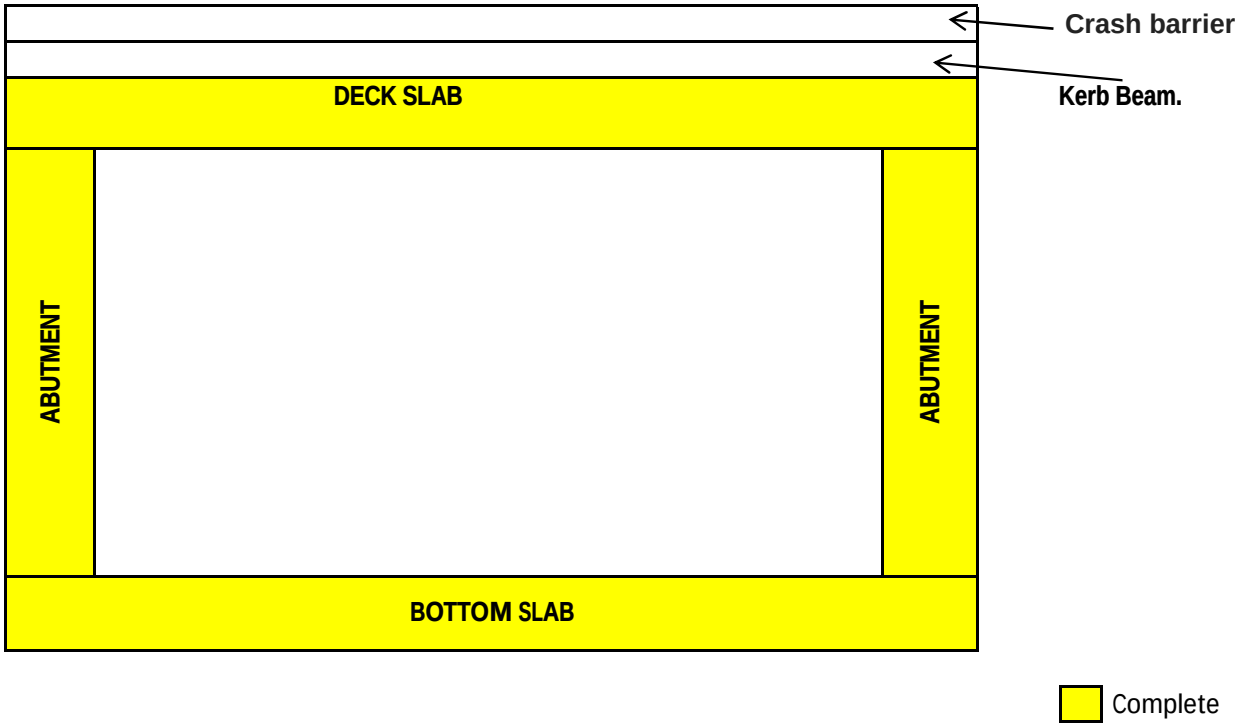
Appendix-2

Widenning & Streangthening of existing carriageway to 2-lane road from Duhuria to Chandbali (Km 49/000 to Km, 99/000 of MDR & Km 45/000 to Km. 51/500 of SH-9)

ICB Package OSRP-CW-ICB-P04B

Pictorial Chart of Underpasses

CUP @ 70401



Widenning & Streangthening of existing carriageway to 2-lane road from Duhuria to Chandbali (Km 49/000 to Km, 99/000 of MDR & Km 45/000 to Km. 51/500 of SH-9)

ICB Package OSRP-CW-ICB-P04B

STRIP CHART OF HUME PIPE CULVERT IN PROGRESS

SL	LHS									Chainage	RHS								
	Excavation (5.01)		Sand Filling (5.03)		CC M-15 Levelling Course (5.05)		CC M-15 in Sub -Structures (5.06)				Excavation (5.01)		Sand Filling (5.03)		CC M-15 Levelling Course (5.05)		CC M-15 in Sub -Structures (5.06)		
	Head wall	Pipe Beding	Head wall	Pipe Beding	Head wall	Pipe Beding	Head Wall				Head wall	Pipe Beding	Head wall	Pipe Beding	Head wall	Pipe Beding	Head Wall		
							1st	2nd	Final lift								1st	2nd	Final lift
1										49+391									
2										49+577									
3										49+740									
4										50+085									
5										50+350									
6										52+100									
7										52+320									
8										52+534									
9										52+795									
10										52+965									
11										53+350									
12										53+719									
13										54+100									
14										54+405									
15										54+760									
16										55+320									
17										55+473									
18					`					55+600									
19										55+920									
20										56+860									
21										57+185									
22										57+485									
23										57+800									
24										58+556									
25										58+760									
26										58+950									
27										59+180									
28										59+392									
29										59+620									
30										60+075									
31										60+220									
32										60+420									
33										60+620									
34										60+820									
35										61+075									
36										61+580									
37										61+760									
38										61+960									
39										62+180									

SL	LHS									Chainage	RHS								
	Excavation (5.01)		Sand Filling (5.03)		CC M-15 Levelling Course (5.05)		CC M-15 in Sub -Structures (5.06)				Excavation (5.01)		Sand Filling (5.03)		CC M-15 Levelling Course (5.05)		CC M-15 in Sub -Structures (5.06)		
	Head wall	Pipe Beding	Head wall	Pipe Beding	Head wall	Pipe Beding	Head Wall				Head wall	Pipe Beding	Head wall	Pipe Beding	Head wall	Pipe Beding	Head Wall		
							1st	2nd	Final lift								1st	2nd	Final lift
40										62+388									
41										62+770									
42										62+972									
43										63+358									
44										63+810									
45										63+960									
46										64+162									
47										64+360									
48										64+580									
49										64+760									
50										64+965									
51										65+360									
52										65+900									
53										66+160									
54										66+460									
55										67+000									
56										67+200									
57										67+396									
58										67+482									
59										67+690									
60										67+840									
61										68+080									
62										68+167									
63										68+467									
64										68+677									
65										69+385									
66										69+840									
67										70+040									
68										70+240									
69										70+440									
70										70+640									
71										70+850									
72										71+160									
73										71+243									
74										71+500									
75										72+000									
76										72+456									
77										72+660									
78										72+870									
79										73+070									
80										73+270									
81										74+720									
82										75+160									
83										75+410									
84										75+630									
85										75+917									
86										76+110									
87										76+500									
88										76+600									
89										76+800									

SL	LHS									Chainage	RHS								
	Excavation (5.01)		Sand Filling (5.03)		CC M-15 Levelling Course (5.05)		CC M-15 in Sub -Structures (5.06)				Excavation (5.01)		Sand Filling (5.03)		CC M-15 Levelling Course (5.05)		CC M-15 in Sub -Structures (5.06)		
	Head wall	Pipe Beding	Head wall	Pipe Beding	Head wall	Pipe Beding	Head Wall				Head wall	Pipe Beding	Head wall	Pipe Beding	Head wall	Pipe Beding	Head Wall		
							1st	2nd	Final lift								1st	2nd	Final lift
90										76+990									
91										77+200									
92										77+400									
93										77+940									
94										78+300									
95										79+260									
96										79+621									
97										79+655									
98										80+089									
99										80+280									
100										80+480									
101										80+680									
102										80+880									
103										81+080									
104										81+280									
105										81+715									
106										82+017									
107										82+290									
108										82+555									
109										82+844									
110										83+050									
111										83+240									
112										83+520									
113										84+365									
114										84+735									
115										85+685									
116										85+850									
117										86+050									
118										86+640									
119										86+840									
120										87+050									
121										87+415									
122										87+600									
123										87+980									
124										88+190									
125										88+415									
126										88+570									
127										88+700									
128										89+000									
129										89+930									
130										90+300									
131										90+500									
132										90+720									
133										91+115									
134										91+565									
135										91+970									
136										92+200									
137										92+600									
138										92+800									
139										93+000									

SL	LHS									Chainage	RHS								
	Excavation (5.01)		Sand Filling (5.03)		CC M-15 Levelling Course (5.05)		CC M-15 in Sub -Structures (5.06)				Excavation (5.01)		Sand Filling (5.03)		CC M-15 Levelling Course (5.05)		CC M-15 in Sub -Structures (5.06)		
	Head wall	Pipe Beding	Head wall	Pipe Beding	Head wall	Pipe Beding	Head Wall				Head wall	Pipe Beding	Head wall	Pipe Beding	Head wall	Pipe Beding	Head Wall		
							1st	2nd	Final lift								1st	2nd	Final lift
140										93+200									
141										93+400									
142										93+600									
143										94+130									
144										94+595									
145										95+300									
146										95+460									
147										95+620									
148										95+835									
149										96+120									
150										96+520									
151										96+720									
152										97+120									
153										97+320									
154										97+778									
155										100+424									
156										101+840									
157										102+067									
158										102+413									
159										102+522									
160										102+640									
161										102+961									
162										103+092									
163										103+232									
164										103+440									
165										104+322									
166										105+110									
167										105+379									

Widenning & Streangthening of existing carriageway to 2-lane road from Duhuria to Chandbali (Km 49/000 to Km, 99/000 of MDR & Km 45/000 to Km. 51/500 of SH-9)
ICB Package OSRP-CW-ICB-P04B
GFC Drawing List of P04B

Sl. No.	Description of Drawing	Drawing No.	Date of Submission by Contractor	Letter No. of Submission by Contractor	Date of Approval by CSC	Letter no. of Approval by CSC	Status of Approval	GFC Drawing No.	Remarks (mention reason for rejection)
1	MNBR 93+253	MNBR 93+253	20.11.2017	DPJ-NKC (JV)/OSRP/2017-18/955	30.12.2017	LASA/RE-2/73466/2017/990	Approved		
2	MNBR 103+769	MNBR 103+769	20.11.2017	DPJ-NKC (JV)/OSRP/2017-18/955	30.12.2017	LASA/RE-2/73466/2017/990	Approved		

Project Name:- Widening & Strengthening of existing carriageway to 2-lane Road from Duhuria to Chandabali (Km. 49/000 to Km 99/000 of MDR & Km 45/000 to Km 51/500 of SH - 9
Package No:- OSRP - CW - ICB - P04B
Contractor :-DPJ-NKC(JV)
Consultant :-Lea Associates South Asia Pvt. Ltd

Sr No	Group Code		Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
A	Road Work														
1	C&G	Planned	-	-	1,19,113	-	73,662	1,19,113	48,272	69,587	1,32,905	57,989	1,16,606	47,332	59,243
		Achived	-	1,32,135	93,667	27,927	31,830	10,625	-	-	-	-	-	16,508	67,562
2	EMB	Planned	-	-	8,06,198	19,14,720	9,74,463	12,75,910	28,41,953	8,43,522	32,90,559	18,32,829	28,07,219	27,32,635	32,08,159
		Achived	-	-	-	2,90,322	-	5,18,935	-	-	-	-	-	-	1,53,278
4	Sand	Planned	-	-	13,67,951	32,48,878	26,71,242	35,34,292	50,68,743	5,77,102	69,48,933	43,78,757	53,94,787	45,78,447	99,39,153
		Achived	-	-	-	40,79,495	3,44,143	23,11,958	8,55,427	-	-	-	75,441	21,86,859	43,26,686
5	SG	Planned	-	-	-	12,97,270	21,64,164	28,30,244	54,15,109	9,84,714	56,95,860	12,91,653	36,71,767	31,62,840	34,40,007
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-
6	GSB	Planned	-	-	-	-	56,18,003	-	85,16,440	29,87,862	76,25,901	10,02,867	54,84,937	48,82,351	46,54,948
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-
7	WMM	Planned	-	-	-	-	-	58,83,938	44,12,954	76,34,445	34,45,947	55,92,397	57,45,575	51,13,855	-
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-
8	DBM	Planned	-	-	-	-	-	63,18,724	-	1,29,30,421	-	1,02,69,905	67,38,388	30,80,180	24,07,133
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-
9	BC	Planned	-	-	-	-	-	-	-	-	-	-	-	-	-
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-
10	PC	Planned	-	-	-	-	-	4,93,851	-	10,11,149	-	7,58,285	4,82,007	2,41,019	1,88,114
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-
11	TC	Planned	-	-	-	-	-	3,05,215	-	6,24,969	-	4,68,738	2,97,957	1,48,973	1,16,277
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-
12	DLC	Planned	-	-	-	-	-	-	-	-	-	-	-	-	-
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-
13	PQC	Planned	-	-	-	-	-	-	-	-	-	-	-	-	-
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sub-Total	Planned	-	-	22,93,262	64,60,868	1,15,01,535	2,07,61,288	2,63,03,471	2,76,63,770	2,71,40,106	2,56,53,421	3,07,39,242	2,39,87,631	2,40,13,033
		Achived	-	1,32,135	93,667	43,97,743	3,75,972	28,41,519	8,55,427	-	-	-	75,441	22,03,368	45,47,526
B	Structure Work														
1	M-15	Planned			-	5,12,497	13,71,045	15,74,802	14,22,099	8,06,619	6,95,350	7,16,671	18,33,029	18,17,163	14,95,431
		Achived	-	-	17,302	-	47,863	85,346	1,31,466	-	-	-	60,874	2,83,439	4,58,792
2	M-20	Planned			-	-	-	-	5,67,492	4,39,785	1,27,660	-	-	6,46,879	4,59,019
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-
3	M-25	Planned			-	15,767	39,357	40,701	2,22,697	2,03,691	87,575	19,678	40,701	39,357	1,07,926
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-
4	M-35	Planned			-	-	-	48,80,296	36,76,228	20,05,178	1,65,921	-	19,49,011	54,50,641	53,16,263
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-
5	HP-1000	Planned			-	4,294	10,754	11,103	10,754	5,571	5,571	5,377	11,103	10,754	11,103
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-
6	HP-1200	Planned			-	7,75,256	19,38,114	20,02,705	19,38,114	10,01,325	10,01,325	9,69,030	20,02,705	[illegible],38,114	20,02,705
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sub-Total	Planned	-	-	-	13,07,814	33,59,270	85,09,608	78,37,384	44,62,169	20,83,402	[illegible]7,10,756	58,36,549	99,02,908	93,92,447
		Achived	-	-	17,302	-	47,863	85,346	1,31,466	-	-	-	60,874	2,83,439	4,58,792
2	MISC	Planned			-	59,85,000	1,99,49,000	2,06,14,000	1,99,49,000	1,03,[illegible]	1,03,07,000	99,74,000	2,06,14,000	1,99,49,000	2,06,14,000
		Achived	-	17,59,788	5,19,011	3,99,811	20,23,006	9,76,085	9,3[illegible]	-	-	-	1,05,64,420	39,04,955	16,05,402
	Sub-Total	Planned	-	-	-	59,85,000	1,99,49,000	2,06,14,[illegible]	1,99,49,000	1,03,07,000	1,03,07,000	99,74,000	2,06,14,000	1,99,49,000	2,06,14,000
		Achived	-	17,59,[illegible]	[illegible]	[illegible]	[illegible]	9,76,085	9,376	-	-	-	1,05,64,420	39,04,955	16,05,402
Total Net Planned			-	-	22,93,262	1,37,53,682	3,48,09,804	4,98,84,895	5,40,89,855	4,24,32,939	3,95,30,508	3,73,38,178	5,71,89,791	5,38,39,539	5,40,19,480
Total Net Achived			-	18,91,922	6,29,980	47,97,553	24,46,842	39,02,949	9,96,269	-	-	-	1,07,00,734	63,91,762	66,11,720
			-	-	-	-	-	-	-	-	-	-	-	-	-
Month			######	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
Cumulative (Amount)		Planned	-	-	22,93,262	1,60,46,944	5,08,56,748	10,07,41,644	15,48,31,498	19,72,64,438	23,67,94,946	27,41,33,123	33,13,22,914	38,51,62,453	43,91,81,934
		Achieved.	-	18,91,922	25,21,902	73,19,455	97,66,297	1,36,69,247	1,46,65,515	1,46,65,515	1,46,65,515	1,46,65,515	2,53,66,250	3,17,58,011	3,83,69,732
Cumulative (%)				0.11%	0.04%	0.28%	0.14%	0.23%	0.06%	0.00%	0.00%	0.00%	0.63%	0.38%	0.39%
		Achieved.		0.11%	0.15%	0.43%	0.57%	0.80%	0.86%	0.86%	0.86%	0.86%	1.49%	1.86%	2.25%

Sr No	Group Code		Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16
A	Road Work															
1	C&G	Planned	1,46,070	1,53,280	1,92,775	2,42,615	1,90,268	7,06,216	33,853	1,03,754	1,90,268	2,85,872	61,124	10,344	36,988	-
		Achived	51,754	2,00,455	-	1,086	-	16,080	-	-	-	-	74,965	21,393	8,119	3,620
2	EMB	Planned	37,09,350	31,99,088	27,48,122	27,02,207	15,91,349	39,45,152	20,29,498	8,77,823	9,22,502	10,57,587	23,64,167	18,74,176	7,44,7[illegible]	-
		Achived	4,90,633	7,60,920	10,40,512	8,02,505	-	55,775	-	-	-	3,606	61,304	4,96,886	[illegible],56,106	6,66,796
4	Sand	Planned	1,14,24,559	1,03,02,903	1,00,36,706	1,26,52,126	1,14,73,318	1,74,88,138	65,26,621	27,53,499	27,94,011	46,88,831	81,17,299	54,50,096	15,44,401	-
		Achived	49,38,413	18,89,341	24,95,838	43,12,640	23,74,475	27,60,997	3,21,718	-	-	42,203	-	22,74,208	25,17,158	72,69,077
5	SG	Planned	55,64,173	47,83,106	70,44,253	62,66,146	84,96,565	88,21,790	31,01,565	24,66,182	26,46,024	32,96,274	74,93,434	34,[illegible],963	17,10,178	-
		Achived	-	6,46,298	5,09,675	11,30,408	2,10,252	3,49,770	4,28,576	45,562	-	72,900	5,65,048	7,18,616	12,78,611	20,51,047
6	GSB	Planned	72,49,636	88,29,991	91,35,070	35,07,601	1,83,73,726	1,26,72,389	34,55,359	80,52,136	34,36,599	57,51,838	1,32,63,377	39,45,476	49,15,888	-
		Achived	-	-	5,67,896	19,89,333	1,70,390	1,19,273	5,44,783	1,61,871	-	1,70,390	5,78,[illegible]	21,66,783	1,70,390	4,25,975
7	WMM	Planned	36,43,569	18,21,086	1,08,74,286	41,15,095	1,25,70,104	64,37,392	16,10,047	28,00,810	81,25,705	67,93,782	[illegible],32,754	96,57,485	51,47,398	-
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	DBM	Planned	39,11,591	19,55,795	90,18,830	70,63,034	99,21,505	1,11,64,662	49,96,384	26,28,842	48,85,529	1,36,74,731	91,61,357	84,17,047	1,44,26,960	-
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	BC	Planned	1,42,96,492	1,48,26,003	1,64,14,533	74,73,789	1,03,76,861	1,42,99,867	90,65,412	47,13,849	45,61,811	91,23,528	71,99,238	1,01,44,398	1,01,44,398	19,60,721
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	PC	Planned	3,05,707	1,52,823	7,05,380	5,52,557	6,46,583	8,30,514	2,55,306	1,17,563	5,17,327	7,58,346	9,64,013	12,81,413	4,29,071	-
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	TC	Planned	1,88,949	94,469	4,36,020	3,41,551	3,99,673	4,37,039	2,34,112	72,672	3,54,716	5,88,479	10,29,215	13,55,386	5,23,860	-
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	DLC	Planned	-	-	32,41,728	61,68,288	83,60,394	-	[illegible],60,394	16,71,516	-	68,94,300	1,33,74,942	-	-	-
		Achived	-	-	-	5,54,006	3,98,885	2,79,219	4,54,291	-	5,54,006	4,43,205	-	6,42,647	4,54,285	11,08,013
13	PQC	Planned	-	-	1,25,62,014	2,39,07,117	1,15,80,518	2,08,44,976	1,73,70,777	2,15,37,633	-	2,67,50,214	2,33,09,357	2,85,75,799	-	-
		Achived	-	-	-	-	6,57,500	14,61,[illegible]	9,66,912	7,34,848	32,86,642	10,74,347	17,18,955	92,824	42,28,629	-
	Sub-Total	Planned	5,04,40,098	4,61,18,544	8,24,09,717	7,49,92,125	9,39,80,864	9,[illegible],48,134	5,70,39,327	4,77,96,279	2,84,34,492	7,96,63,782	10,22,70,278	7,41,51,583	3,96,23,857	19,60,721
		Achived	54,80,800	34,97,014	46,13,921	87,89,979	38,11,502	50,43,086	27,16,280	9,42,281	38,40,648	18,06,651	29,98,409	64,13,357	87,93,298	1,15,24,528
B	Structure Work															
1	M-15	Planned	23,57,560	26,94,658	26,36,608	73,86,667	[illegible],22,533	26,02,461	10,71,925	8,69,083	5,70,505	50,21,903	17,10,891	66,35,433	6,80,484	-
		Achived	3,39,660	6,80,267	3,15,283	9,33,097	9,08,893	5,64,643	2,61,086	67,586	7,32,412	3,71,411	3,83,787	4,27,496	1,68,139	2,77,355
2	M-20	Planned	26,54,786	23,75,330	27,25,310	39,73,[illegible]	56,30,984	49,32,721	17,92,470	34,00,662	22,13,869	3,87,222	-	-	-	-
		Achived	-	-	-	-	-	-	1,07,965	4,65,619	-	-	-	-	-	-
3	M-25	Planned	45,652	1,31,760	1,4[illegible]00	1,43,433	91,731	66,430	33,857	38,318	30,557	91,426	93,503	96,620	40,518	7,211
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	M-35	Planned	37,37,085	[illegible],140	40,75,317	1,07,08,100	1,54,34,201	43,82,652	20,08,754	-	8,27,727	49,71,758	-	1,36,72,335	-	-
		Achived	-	-	-	-	-	4,34,407	-	-	-	-	-	-	-	-
5	HP-1000	Planned	26,267	5,11,373	5,78,027	5,59,381	4,03,559	3,21,470	1,66,112	1,66,112	1,60,735	4,71,992	4,82,785	4,98,878	2,09,207	-
		Achived	-	-	-	-	-	-	48,356	9,671	-	-	-	-	-	29,014
6	HP-1200	Planned	19,93,330	28,08,306	31,55,537	30,53,720	18,37,054	12,55,788	6,48,838	6,48,838	6,27,921	19,14,054	19,66,995	20,32,562	8,52,365	-
		Achived	-	1,21,921	1,08,374	1,35,468	3,90,148	54,187	3,92,857	2,30,296	1,08,374	67,734	1,30,049	4,76,847	3,16,995	2,95,320
	Sub-Total	Planned	1,08,14,680	1,02,89,567	1,33,18,999	2,58,24,546	3,02,20,063	1,35,61,522	57,21,955	51,23,013	44,31,315	1,28,58,355	42,54,175	2,29,35,827	17,82,573	7,211
		Achived	3,39,660	8,02,189	4,23,657	10,68,565	12,99,041	10,53,237	8,10,264	7,73,171	8,40,786	4,39,145	5,13,836	9,04,344	4,85,134	6,01,688
2	MISC	Planned	2,06,14,000	1,86,19,000	2,06,14,000	1,99,49,000	2,06,14,000	1,99,49,000	1,03,07,000	1,03,07,000	99,74,000	2,06,14,000	1,99,49,000	2,06,14,000	1,52,94,000	-
		Achived	20,77,991	29,30,747	15,99,924	4,14,898	60,67,313	11,68,187	[illegible]	7,46,954	1,81,290	45,382	1,39,319	1,69,126	39,36,660	7,75,612
	Sub-Total	Planned	2,06,14,000	1,86,[illegible]	[illegible]	1,99,49,000	2,06,14,000	1,99,49,000	1,03,07,000	1,03,07,000	99,74,000	2,06,14,000	1,99,49,000	2,06,14,000	1,52,94,000	-
		Achived	20,77,991	29,30,747	15,99,924	4,14,898	60,67,313	11,68,187	1,84,348	7,46,954	1,81,290	45,382	1,39,319	1,69,126	39,36,660	7,75,612
Total Net Planned			8,18,68,779	7,50,27,111	11,63,42,717	12,07,65,671	14,48,14,927	13,11,58,656	7,30,68,282	6,32,26,293	4,28,39,807	11,31,36,137	12,64,73,453	11,77,01,410	5,67,00,430	19,67,932
Total Net Achived			78,98,452	72,29,950	66,37,503	1,02,73,442	1,11,77,856	72,64,510	37,10,892	24,62,405	48,62,724	22,91,177	36,51,563	74,86,826	1,32,15,092	1,29,01,829
			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Month			Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16
Cumulative (Amount)		Planned	52,10,50,713	59,60,77,824	71,24,20,540	83,31,86,211	97,80,01,137	1,10,91,59,794	1,18,22,28,076	1,24,54,54,369	1,28,82,94,176	1,40,14,30,313	1,52,79,03,765	1,64,56,05,175	1,70,23,05,605	1,70,42,73,538
		Achieved.	4,62,68,183	5,34,98,133	6,01,35,635	7,04,09,077	8,15,86,933	8,88,51,443	9,25,62,336	9,50,24,741	9,98,87,465	10,21,78,642	10,58,30,206	11,33,17,032	12,65,32,124	13,94,33,953
Cumulative (%)			0.46%	0.42%	0.39%	0.60%	0.66%	0.43%	0.22%	0.14%	0.29%	0.13%	0.21%	0.44%	0.78%	0.76%
		Achieved.	2.71%	3.14%	3.53%	4.13%	4.79%	5.21%	5.43%	5.58%	5.86%	6.00%	6.21%	6.65%	7.42%	8.18%

Sr No	Group Code		Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
A	Road Work																							
1	C&G	Planned	-	-	-	-	-																	
		Achived	-	1,27,575	1,73,979	54,258	-	-	-	-	-	-	51,971	95,259	-	-	20,061	54,573	-	1,881	-	-	8,275	-
2	EMB	Planned	-	-	-	-	-																	
		Achived	6,87,567	11,38,657	24,67,548	8,98,645	962	-	18,54,328	91,836	1,93,288	12,88,587	4,71,741	8,88,956	10,11,517	10,85,923	13,35,707	12,86,532	2,71,130	10,578	47,998	-	6,90,125	3,94,269
4	Sand	Planned	-	-	-	-	-																	
		Achived	75,23,443	89,34,240	1,45,40,024	42,03,285	9,443	-	20,47,852	3,20,353	32,57,505	76,46,692	47,55,629	74,13,224	88,80,051	91,76,030	73,86,718	64,27,525	5,53,542	30,642	9,380	25,32,064	44,84,884	43,64,659
5	SG	Planned	-	-	-	-	-																	
		Achived	12,75,049	7,80,132	2,00,606	6,33,347	9,113	2,44,821	3,21,977	3,31,635	2,20,319	10,16,197	33,89,672	34,39,520	25,36,211	37,67,404	43,25,437	34,80,771	2,76,491	1,14,172	4,64,075	7,31,934	34,50,656	45,38,062
6	GSB	Planned	-	-	-	-	-																	
		Achived	23,24,683	12,57,446	47,94,189	14,24,318	67,345	3,92,507	1,56,434	2,30,432	13,14,437	33,46,136	51,92,308	65,52,697	54,30,844	66,15,461	15,56,369	83,89,763	24,04,013	16,68,567	15,16,715	14,40,753	46,99,761	93,13,617
7	WMM	Planned	-	-	-	-	-																	
		Achived	19,74,089	57,83,336	67,44,893	22,09,891	-	-	-	-	-	22,58,538	46,67,136	54,09,208	61,48,086	84,63,926	-	-	-	36,31,242	41,69,147	25,79,295	11,04,734	76,79,252
8	DBM	Planned	-	-	-	-	-																	
		Achived	21,77,505	54,47,722	65,84,775	32,53,889	-	-	1,25,503	-	-	28,50,552	46,78,864	57,68,330	66,19,615	96,76,040	-	-	-	-	81,24,762	42,30,884	6,61,312	91,65,317
9	BC	Planned	-	-	-	-	-																	
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38,81,320	1,80,38,365	2,22,48,291
10	PC	Planned	-	-	-	-	-																	
		Achived	1,67,904	4,88,448	5,64,921	1,93,548	-	-	-	-	-	-	3,79,463	4,71,250	-	-	-	-	-	1,38,444	3,48,683	2,25,358	21,828	7,75,411
11	TC	Planned	-	-	-	-	-																	
		Achived	62,964	1,82,596	2,11,559	72,580	-	-	-	-	-	-	1,42,299	1,75,574	-	-	-	-	-	-	2,33,482	24,468	5,68,508	6,80,813
12	DLC	Planned	-	-	-	-	-																	
		Achived	13,29,615	13,296	10,17,155	6,26,913	1,32,962	7,37,936	1,83,930	3,23,610	12,26,904	24,31,296	27,78,762	20,51,724	31,65,750	13,50,720	25,32,710	22,49,056	22,31,240	14,40,937	30,63,391	10,27,034	26,20,397	28,67,776
13	PQC	Planned	-	-	-	-	-																	
		Achived	77,35,298	7,51,407	43,05,235	24,52,936	5,89,344	8,59,479	29,31,292	12,27,825	29,90,436	85,12,920	1,32,92,447	84,35,643	1,13,01,447	40,65,465	84,13,286	76,49,835	65,65,808	83,62,580	1,08,34,191	74,34,650	89,39,079	92,61,129
	Sub-Total	Planned	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Achived	2,52,58,115	2,49,04,854	4,16,04,883	1,60,23,611	8,09,167	22,34,742	76,21,318	25,25,692	92,02,889	2,93,50,917	3,98,00,291	4,07,01,384	4,50,93,523	4,42,00,970	2,55,70,287	2,95,38,055	1,23,02,225	1,53,99,044	2,88,11,824	2,41,07,760	4,52,87,923	[illegible],12,88,595
B	Structure Work																							
1	M-15	Planned	-	-	-	-	-																	
		Achived	7,55,003	7,59,067	7,55,517	7,84,716	9,12,295	3,65,204	4,09,680	2,52,657	9,95,891	13,22,240	13,44,146	6,35,854	-	11,49,591	10,50,469	5,07,429	22,23[illegible]	1,60,311	6,18,808	3,33,461	4,01,666	6,30,506
2	M-20	Planned	-	-	-	-	-																	
		Achived	-	-	-	-	-	-	-	-	-	-	5,56,272	2,92,279	-	-	1,73,618	[illegible],06,154	4,99,594	1,29,640	89,664	8,52,732	9,35,457	6,74,598
3	M-25	Planned	-	-	-	-	-																	
		Achived	-	-	-	-	-	-	-	-	-	-	-	-	66,06,351	-	1,41,917	-	15,91,257	16,92,839	73,336	-	2,62,787	-
4	M-35	Planned	-	-	-	-	-																	
		Achived	-	-	20,08,750	-	-	-	-	-	-	-	7,32,865	-	-	16,65,070	35,70,707	17,81,496	-	-	81,700	73,873	5,43,206	-
5	HP-1000	Planned	-	-	-	-	-																	
		Achived	29,014	2,78,530	1,85,687	1,81,818	-	-	-	-	-	-	2,39,845	16,67,311	-	-	2,03,095	29,014	48,356	-	-	-	-	-
6	HP-1200	Planned	-	-	-	-	-																	
		Achived	2,43,842	1,21,921	7,91,133	6,20,443	-	-	-	-	-	-	5,41,872	8,56,158	-	-	6,39,409	67,734	-	94,828	-	-	1,62,562	1,08,374
	Sub-Total	Planned	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Achived	10,27,859	11,59,51[illegible]	37,41,086	15,86,977	9,12,295	3,65,204	4,09,680	2,52,657	9,95,891	13,22,240	34,15,000	34,51,601	66,06,351	28,14,661	57,79,216	26,41,826	21,61,444	20,77,618	8,63,508	12,60,067	23,05,677	14,13,479
2	MISC	Planned	-	-	-	-	-																	
		Achived	28,58,145	53,42,923	39,17,825	88,39,418	20,66,770	10,00,930	14,34,078	62,87,600	53,90,000	1,44,83,163	28,20,000	85,50,000	64,56,426	95,46,106	84,00,000	51,00,000	67,64,340	31,59,000	24,74,000	36,01,000	24,50,000	74,05,000
	Sub-Total	Planned	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Achived	28,58,145	53,42,923	39,17,825	88,39,418	20,66,770	10,00,930	14,34,078	62,87,600	53,90,000	1,44,83,163	28,20,000	85,50,000	64,56,426	95,46,106	84,00,000	51,00,000	67,64,340	31,59,000	24,74,000	36,01,000	24,50,000	74,05,000
Total Net Planned			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Net Achived			2,91,44,120	3,14,07,295	4,92,63,794	2,64,50,006	37,88,233	36,00,876	94,65,075	90,65,949	1,55,88,780	4,51,56,320	4,60,35,292	4,99,80,380	6,16,12,061	5,65,61,737	3,97,49,503	3,72,79,881	2,12,28,009	2,06,35,662	3,21,49,332	2,89,68,827	5,00,43,600	8,01,07,074
			-	-	-	-	-	-	-	-	-													
Month			Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Cumulative (Amount)		Planned	1,70,42,73,538																					
		Achieved.	16,85,78,073	19,99,85,368	24,92,49,162	27,56,99,168	27,94,87,401	28,30,88,276	29,25,53,352	30,16,19,301	31,72,08,081	36,23,64,401	40,83,99,692	45,83,80,072	51,99,92,134	57,65,53,871	61,63,03,374	65,35,83,255	67,48,11,264	69,54,46,926	72,75,96,258	75,65,65,085	80,66,08,685	88,67,15,759
Cumulative (%)			1.71%	1.84%	2.89%	1.55%	0.22%	0.21%	0.56%	0.53%	0.91%	2.65%	2.70%	2.93%	3.62%	3.32%	2.33%	2.19%	1.25%	1.21%	1.89%	1.70%	2.94%	4.70%
		Achieved.	9.89%	11.73%	14.62%	16.18%	16.40%	16.61%	17.17%	17.70%	18.63%	21.28%	23.96%	26.90%	30.51%	33.83%	36.16%	38.35%	39.60%	40.81%	42.69%	44.39%	47.33%	52.03%

APPENDIX-6

Construction super vision of jagatpur chandabali road (49/00 km to 99/00 km of MDR and 45/000 km to 51/500 km of SH9) of Odisha state Roads Project.

INCOMING CORRESPONDENCES FOR THE MONTH OF DECEMBER-2017

Sl. No.	Date	Letter Reference No	Subject	From
1	07-Dec-17	PMU-WB-87/2017-46446	Compliance to Preliminary objection Memo of Audit.	OWD
			CONTRACTOR-DPJ-NKC (JV)	
1	03-Dec-17	DPJ-NKC(JV)/OSRP/2017/967	Land Problem from Km. 81+800 to 81+870-LHS.	DPJ-NKC(J.V)
2	04-Dec-17	DPJ-NKC(JV)/OSRP/2017/968	Stoppage of work excavation for foundation for the Box Culverts at Ch. 96+320 & 96+920.	DPJ-NKC(J.V)
3	05-Dec-17	DPJ-NKC(JV)/OSRP/2017/969	Request for Replacement of BG against Mobilization Advance.	DPJ-NKC(J.V)
4	05-Dec-17	DPJ-NKC(JV)/OSRP/2017/971	Subnmission of updated TBM list as on 05.12.2017.	DPJ-NKC(J.V)
5	07-Dec-17	DPJ-NKC(JV)/OSRP/2017/975	Submission of IPA-40 for the month of Nov-2017.	DPJ-NKC(J.V)
6	07-Dec-17	DPJ-NKC(JV)/OSRP/2017/976	Request for approval of IPA-40.	DPJ-NKC(J.V)
7	09-Dec-17	DPJ-NKC(JV)/OSRP/2017/979	Unseasonal rainfall on 08.12.2017.	DPJ-NKC(J.V)
8	11-Dec-17	DPJ-NKC (HO)/2017-18/117	Request for Replacement of BG against Mobilization Advance.	DPJ-NKC(J.V)
9	15-Dec-17	DPJ-NKC(JV)/OSRP/2017/985	Effect of Unseasonal rain fall on 08 & 09.12.2017.	DPJ-NKC(J.V)
10	15-Dec-17	DPJ-NKC(JV)/OSRP/2017/986	Decision of construction of road between the available ROW of the existing road ch. from 56+160 to 56+600.	DPJ-NKC(J.V)
11	15-Dec-17	DPJ-NKC(JV)/OSRP/2017/987	Site visit conducted by you on 14.12.2017 specially for Hindrance.	DPJ-NKC(J.V)
12	15-Dec-17	DPJ-NKC(JV)/OSRP/2017/988	Submission of working drawing of HPC.	DPJ-NKC(J.V)
13	20-Dec-17	DPJ-NKC(JV)/OSRP/2017/990	Reimbursemnet of Excess royalty deducted in IPC-40.	DPJ-NKC(J.V)
14	21-Dec-17	DPJ-NKC(JV)/OSRP/2017/992	Reimbursement of Sand Royalty.	DPJ-NKC(J.V)
15	21-Dec-17	DPJ-NKC(JV)/OSRP/2017/993	Reimbursement of Earth Royalty.	DPJ-NKC(J.V)
16	21-Dec-17	DPJ-NKC(JV)/OSRP/2017/994	Submission of BBS for BC & MNB.	DPJ-NKC(J.V)
17	23-Dec-17	DPJ-NKC(JV)/OSRP/2017/995	Royalty for Aggregates.	DPJ-NKC(J.V)
18	29-Dec-17	DPJ-NKC(JV)/OSRP/2017/1002	Completion of Section 3 & 4 as per Supplementary Agreement dt. 04.03.2017.	DPJ-NKC(J.V)
19	29-Dec-17	DPJ-NKC(JV)/OSRP/2017/1003	Submission of Staging & Shuttering Arrangement drawing of BC at Km. 97+640.	DPJ-NKC(J.V)

APPENDIX-6

Construction super vision of jagatpur chandabali road (49/00 km to 99/00 km of MDR and 45/000 km to 51/500 km of SH9) of Odisha state Roads Project.

OUTGOING CORRESPONDENCES FOR THE MONTH OF DECEMBER-2017

Sl. No.	Date	Letter Reference No	Subject	To
EMPLOYER (ODISHA WORKS DEPARTMENT)				
1	06-Dec-17	LASA/RE-2/73466/2017/974	Submission of Invoice for the month of November 2017.	OWD
2	11-Dec-17	LASA/RE-2/73466/2017/976	Updated Encumbrance List of P04B.	OWD
3	12-Dec-17	LASA/RE-2/73466/2017/977	Revised Encumbrance List of P04B.	OWD
4	15-Dec-17	LASA/RE-2/73466/2017/978	Submission of 'Monthly Progress Report' for the month of November, 2017 (P04B).	OWD
5	15-Dec-17	LASA/RE-2/73466/2017/981	Review Meeting on dated 13.12.2017.	OWD
6	19-Dec-17	LASA/RE-2/73466/2017/982	Submission of Application for Interim Payment Certificate No.40.	OWD
7	23-Dec-17	LASA/RE-2/73466/2017/983	Proceeding on leave from 26.12.2017 to 30.12.2017.	OWD
8	23-Dec-17	LASA/RE-2/73466/2017/984	Payment of quarry permit fees for Sand Borrow Area as submitted by Contractor.	OWD
9	23-Dec-17	LASA/RE-2/73466/2017/985	Royalty Payment receipt on Earth submitted by Contractor.	OWD
10	26-Dec-17	LASA/RE-2/73466/2017/986	Reg.-EOT for Section-II and Status of Work for Section-I.	OWD
11	28-Dec-17	LASA/RE-2/73466/2017/987	R-Form of Royalty stone boulder submitted by Contractor.	OWD
12	29-Dec-17	LASA/RE-2/73466/2017/988	Compliance of Observations on IPC no 39.	OWD
13	29-Dec-17	LASA/RE-2/73466/2017/989	Reg.-EOT for Section-II and Status of Work for Section-I.	OWD
CONTRACTOR-DPJ-NKC (JV)				
1	01-Dec-17	LASA/RE-2/73466/2017/969	Source Approval of TMT Bar for Ms Electro steel Steels Limited, Bokaro, Jharkhand.	M/s DPJ-NKC(J.V)
2	02-Dec-17	LASA/RE-2/73466/2017/970	Reg.-Source approval of Mastic Asphalt Pad 6mm thick from manufacturer TIKI TAR DONASA INDIA Pvt. Ltd.	M/s DPJ-NKC(J.V)
3	04-Dec-17	LASA/RE-2/73466/2017/971	Observation on IPC-39 regarding.	M/s DPJ-NKC(J.V)
4	11-Dec-17	LASA/RE-2/73466/2017/975	Changes in Legislation pursuant to Clause 13.7.	M/s DPJ-NKC(J.V)
5	15-Dec-17	LASA/RE-2/73466/2017/979	Updated TBM list from Ch. 54+040 to 69+518.	M/s DPJ-NKC(J.V)
6	15-Dec-17	LASA/RE-2/73466/2017/980	Reg.-Submission of Credential, Company Profile and Third Party Test Report of Birla Gold OPC 43 Grade Cement (Century Textiles & Industries Ltd, Raipur-Chhattisgarh) for Source Approval.	M/s DPJ-NKC(J.V)
7	30-Dec-17	LASA/RE-2/73466/2017/990	Issue of Drawing for Minor Bridge.	M/s DPJ-NKC(J.V)