

**National Highway Authority of India**  
(Ministry of Road Transport & Highways)

**PATEL DARAH-JHALAWAR HIGHWAY PRIVATE  
LIMITED**

CONSTRUCTION OF 4-LANE ROAD ON NH-12 (NEW NH-52) FROM Km. 299.000 TO Km. 346.540 (DESIGN CHAINAGE 9.860 TO 58.740) (DARAH – JHALAWAR – TEENDHAR) IN THE STATE OF RAJASTHAN UNDER NHDP PHASE-III ON HYBRID ANNUITY PROJECT.

INDEPENDENT ENGINEER

**LEA ASSOCIATE SOUTH ASIA PVT. LTD**

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**MONTHLY PROGRESS REPORT**

**For The Month of August-2018.**

## **Executive Summary**

The old National Highway 12 runs through two big states Rajasthan and Madhya Pradesh. The total length of the old NH- 12 was 897/00 Km. The length of Old NH 12 was 408/700 Km in the state of Rajasthan. Recently MORTH has amended the number and length of the National highways. The old NH 12 in the state of Rajasthan has become the part of the New National highway 52. The New NH 52 starting from its junction with NH-7 near Sangrur in the state of Punjab connecting Narwana, Hisar in the state of Haryana, Fatehpur, Jaipur, Tonk, Kota, Aklera in the state of Rajasthan, Rajgarh, Biora, Dewas, Indore, Sendhwa in the state of Madhya Pradesh, Dhule, Aurangabad, bed, Osmanabad, Solapur in the state of Maharastra, Bijapur, Hubli and terminating at its junction with NH-66 near Ankola in the state of Karnatka.

The Project stretch Darah-Teendhar is connected to Jaipur at one end and it is connected to Bhopal at the other end. The project highway is very important highway as it connects the Capital of Rajasthan states and National capital of country through Jaipur- Delhi Highway.

The project highway is very important highway as it connects to two state Rajasthan and Madhya Pradesh. The Darah-Jhalawar-Teendhar section of National Highway has moderate traffic density. In addition to this there are few sections where alignment needs geometric improvements to maintain riding quality of highway and safe movement of vehicles. Apart from this the present alignment of NH is passing through various congested towns and villages. All of the above factors are demanding the existing 2-lane highway to be developed as 4-lane divided carriageway with bypass provisions in congested towns/ villages.

The Project Highway traverses through two districts viz. Kota and Jhalawar in Rajasthan State. The project study corridor starts at the end of ROB approach near to Darah at km 289+500 and passes through five major towns Darah, Sarvada, Dabadeh, Suket and Jhalawar, and It ends at the Teendhar at Existing km 346.540 Km. Existing road width is 2 lane standard. The Existing ROW varies from 15 m to 30 m. The whole of the project is coming under the administrative control of PIU Kota. The map of project road is given in Figure below. The details of the habitations are given in table 0-1.

## **Project Synopsis**

National Highways Authority of India plans to undertake the Construction of 4-lane Road on NH-12 (New NH-52) from Km 299.000 to 346.540 (Design Chainage From 9.860 to 58.740) (Darah-Jhalawar-Teendhar section) in the State of Rajasthan under NHDP Phase-III on Hybrid Annuity Mode (Length 48.880 Km.) – Package II.

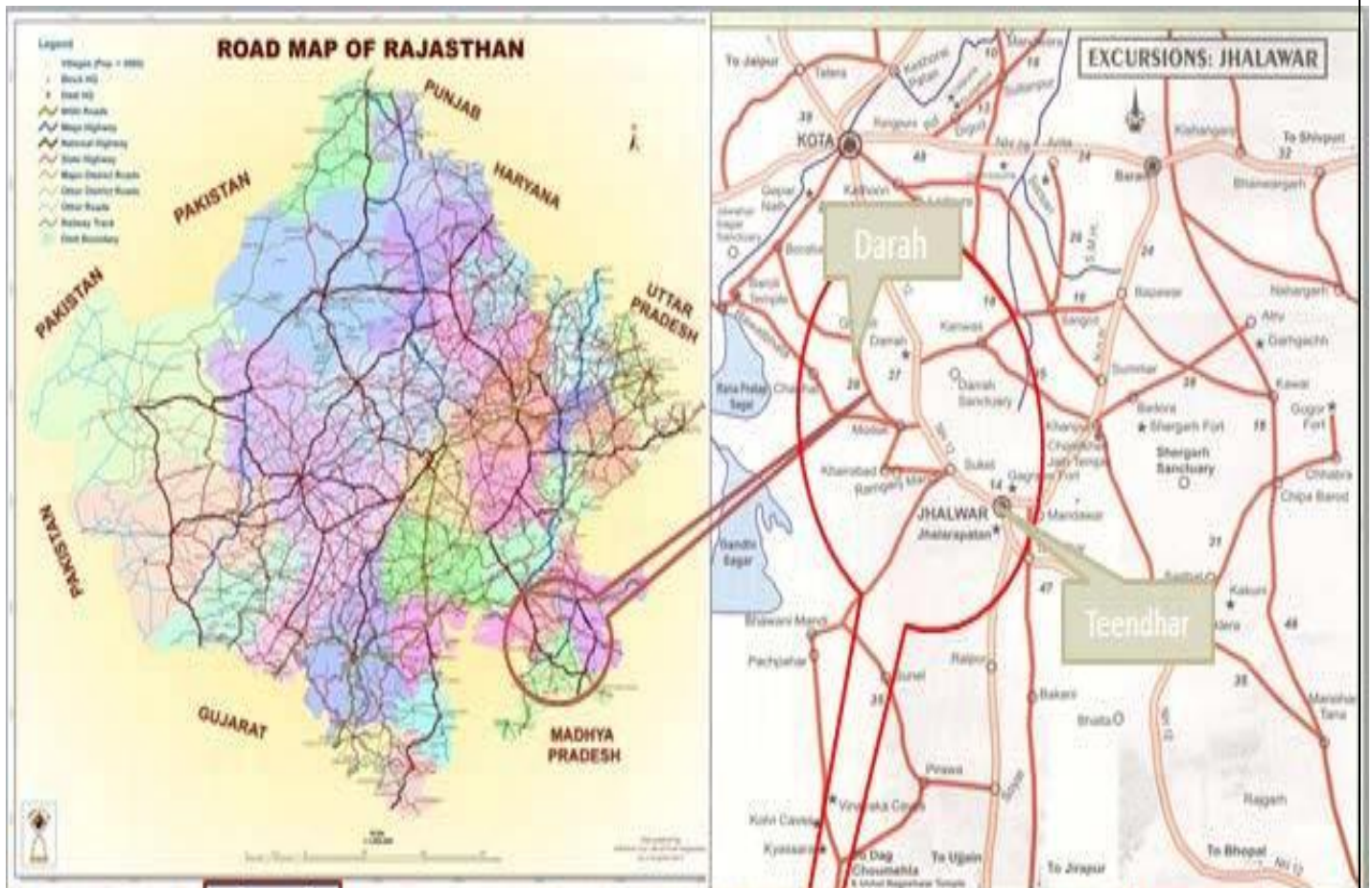
The National Highways Authority of India (NHAI) is undertaking the upgrade of a road in Rajasthan,India.

The project involves up gradation of 48.88 Km from two-lane to the four-lane divided carriageway. It includes the construction of bridges, intersections, service roads, culverts and related infrastructure, and the installation of signaling systems and signboards. The project will be developed under National Highways Development Project (NHDP) Phase-III on Hybrid Annuity Mode.

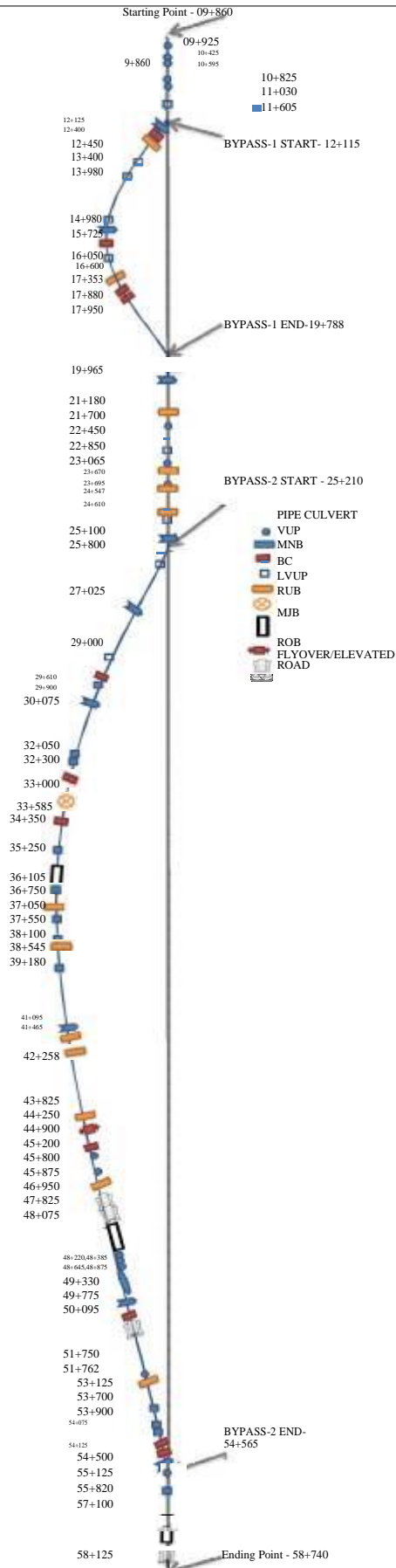
**Existing and Proposed alignment**

SR. NO.	Existing Chainage (Km)		Length	Design Chainage (Km)		Design Length (Km)	Name of Revenue Village
	To	From		To	From		
1	299	299.34	0.34	9.86	10.2	0.34	KAMALPURA
2	299.34	299.74	0.4	10.2	10.6	0.4	KAMALPURA
3	299.74	300.14	0.4	10.6	11	0.4	KAMALPURA
4	300.14	300.44	0.3	11	11.3	0.3	KAMALPURA
5	300.44	300.778	0.338	11.3	11.638	0.338	KOOKARA KHURD
6	300.778	301.255	0.477	11.638	12.115	0.477	MANPURA
7	Dabadeh & Sahrawad a Bypass			12.115	12.3	0.185	MANPURA
8				12.3	13.028	0.728	ZALIMPURA
9				13.028	14.2	1.172	SAHRAWADA
10				14.2	15.661	1.461	TELYA KHERI
11				15.661	17.242	1.581	ASKALI
12				17.242	19.273	2.031	HIRIYA KHERI
13				19.273	19.788	0.515	KHEEMACH
14	308.203	308.515	0.312	19.788	20.1	0.312	KHEEMACH
15	308.515	308.715	0.2	20.1	20.3	0.2	KHEEMACH
16	308.715	308.915	0.2	20.3	20.5	0.2	ATRALIYA
17	308.915	309.079	0.164	20.5	20.664	0.164	ATRALIYA
18	Atraliya Realignment			20.664	21.682	1.018	ATRALIYA
19	310.007	310.125		21.682	21.8	0.118	ATRALIYA
20	310.125	310.325		21.8	22	0.2	ATRALIYA
21	310.325	310.444		22	22.119	0.119	GORDHANPURA
22	Atraliya Realignment			22.119	22.464	0.345	GORDHANPURA & PAMA KHERI
23	310.789	311.125		22.464	22.8	0.336	PAMA KHERI
24	311.125	311.494		22.8	23.169	0.369	PAMA KHERI
25	311.494	311.625		23.169	23.3	0.131	PAMA KHERI
26	311.625	311.776		23.3	23.451	0.151	PAMA KHERI
27	311.776	312.025		23.451	23.7	0.249	PAMA KHERI
28	312.025	312.725		23.7	24.4	0.7	DEENGASI
29	312.725	312.925		24.4	24.6	0.2	DEENGASI
30	312.925	313.025		24.6	24.7	0.1	DEENGASI
31	313.025	313.125		24.7	24.8	0.1	DEENGASI
32	313.125	313.37		24.8	25.045	0.245	DEENGASI
33	313.37	313.535		25.045	25.21	0.165	DEENGASI
34	342.895	343.673		25.21	25.254	0.044	DEENGASI
35	343.673	347.127		25.254	26.124	0.87	UMMEDPURA
36				26.124	27	0.876	RAMPURIYA
37				27	27.358	0.358	SUKET
38				27.358	27.854	0.496	BEER MANDI
39				27.854	28	0.146	SUKET
40				28	29.571	1.571	ARANYA KHURD

SR. NO.	Existing Chainage (Km)		Length	Design Chainage (Km)		Design Length (Km)	Name of Revenue Village
41				29.571	31.212	1.641	SURERA
42				31.212	33.617	2.405	BANSYA HERI
43				33.617	35.565	1.948	ARANYA KALAN
44	Suket,			35.565	36.1	0.535	KALMANDI
45	Jhalawar &Jhalrapatan Bypass			36.1	38	1.9	HARISH PURA
46				38	38.537	0.537	RALAYTI
47				38.537	40.343	1.806	RALAYTA
48				40.343	41.784	1.441	JHALRAPATAN
49				41.784	44.224	2.44	MADHOPUR
50				44.224	49.8	5.576	HARIPURA
51				49.8	51.434	1.634	HARIPURA,
52				51.434	52.516	1.082	BANJARI &
53				52.516	54.2	1.684	BHANWARSA
54				54.2	54.565	0.365	BHANWARSA
55	342.895	343.673		54.565	55.343	0.778	BHANWARSA
56	343.673	347.127		55.343	58.74	3.397	BHANWARSA & ROOPAREL



# KEY PLAN OF THE PROJECT



## PROJECT SUMMARY

Project	Construction of 4-lane Road on NH-12 New NH-52 from Km 299.000 to 346.540 Design Chainage From 9.860 to 58.740 Darah-Jhalawar-Teendhar Section in the State of Rajasthan under NHDP Phase-III Length 48.880 km Package II on Hybrid Annuity Mode.
Owner/Client	National Highways Authority of India
Concessionaire	Patel Darah Jhalawar Highway Pvt. Ltd.
Independent Engineer	LEA ASSOCIATE SOUTH ASIA PVT. LTD
Project Length (In Km)	48.88 Km
Total Project Cost as per CA	1123.63 Cr.
Concession Period	15 Years
Construction Period	910 Days from the Appointed Date.
Date of Signing of Concession Agreement	16 <sup>th</sup> November 2017
Appointed Date	24 <sup>th</sup> May 2018

### 1.2.1 Structures

S. No.	Feature	Description
1	Major Bridge	02 Nos. – (13 x 25mtr) & (13 x 31.6mtr_2-Lane)
2	Elevated Flyover cum MJB	01 Nos. – (20 x 25mtr)
3	Flyovers/ Interchange	03 Nos. (1 Nos. – 4x25mtr.) (2 Nos. – 3 x 24mtr.)
4	ROB/ RUB	1/1 = 2 Nos.
5	Minor bridges	11 Nos.
6	Vehicular underpass	09 Nos. – (1x24mtr)
7	Light Vehicular Underpasses	13 Nos.
8	Culverts (HP/BC)	37 Nos. (16 Nos. Pipe / 21 Nos. Box)
9	RE Wall	14.454 Km
10	Toll Plaza	1 No
11	Truck Lay Bys	1 (Both side)
12	Bus Shelter	5 Nos (Both side)
13	Rest Area	1no

## Project Milestones



Project Milestone	Condition	Time Line	Date	Financial Progress
I	Commenced construction of Project and achieved 20% of Physical Progress	290 <sup>th</sup> Day from Appointed date	10 <sup>th</sup> March 2019	224.73 Cr.
II	Commenced construction of Project and achieved 35% of Physical Progress	430 <sup>th</sup> Day from Appointed date	28 <sup>th</sup> July 2019	393.29 Cr.
III	Commenced construction of all Project Facilities and achieved 75% of Physical Progress	690 <sup>th</sup> Day from Appointed date	13 <sup>th</sup> April 2020	842.76 Cr.
IV	Completion Of the Project	910 <sup>th</sup> Day from Appointed date	19 <sup>th</sup> Nov 2020	1123.68 Cr.

## 1.1 Summary of Progress

### Summary of Progress (August 2018)

#### Highway Progress:

Sr. No.	Item	Unit	Scope of work	Completed / Work in progress	Balance work
1	C & G	Km	48.88	20.66	28.22
2	Earthwork	Km	48.88	10.885	37.995
3	Sub- Grade	Km	48.88	1.5	47.38
4	GSB	Km	48.88	1.5	47.38
5	WMM (SR)	Km	48.88	0	48.88
7	DBM (SR)	Km	48.88	0	48.88
8	BC ( SR)	Km	48.88	0	48.88
8	DLC (MC)	Km	48.88	0.5	48.38
9	PQC (MC)	Km	48.88	0	48.88

#### Structure Progress Status

<b>Sl. No.</b>	<b>Structure Details:-</b>	<b>Unit</b>	<b>Scope</b>	<b>Completed</b>	<b>Work Started</b>	<b>Yet to be Work Started</b>
1	Major Bridge	<b>Nos</b>	2	0	2	0
2	Elevated Road	<b>Nos</b>	1	0	1	0
3	Minor Bridge	<b>Nos</b>	11	0	1	10
4	Box Culvert	<b>Nos</b>	21	1	10	10
5	Pipe Culvert	<b>Nos</b>	16	3	9	4
6	Vehicular Underpass	<b>Nos</b>	9	0	5	4
7	Light Vehicular Underpass	<b>Nos</b>	13	0	3	10
8	Flyover	<b>Nos</b>	3	0	1	2
9	ROB	<b>Nos</b>	1	0	0	1
10	RUB	<b>Nos</b>	1	0	0	1
11	Drain	<b>Km</b>	28.38	0	0.5	27.88

**Value Achieved upto 31<sup>st</sup> August 2018- Rs. 60.67 Crs i.e 5.4%**

**Financial S- Curve attached**

## Utility Shifting Progress

24-05-2018 is the Appointed Date for the project. 85% of the land measuring to Km 41.548 has been handed over by the Authority. 15% of land is balance due to presence of structures, religious structure and other land related issues.

1. Permission for cutting of trees on Government land and forest land received. Cutting of trees in progress.
2. Stage II clearance of Forest Land Received.
3. Electrical Utilities estimate approved in both district Kota & Jhalawar vide letter 41010 & 41011 1/2016- Kota / US – Electric- Kota and Jhalawar / Package-2/7077 dated 24 th August 2018. Work for shifting of electrical utilities under progress. 30% shifting completed
4. Water Pipelines Estimate is approved vide letter no. \_41024 / 1 / 2016- Kota/ US - PHED-Kota / Pkg-II/ 6998 dated 16-08 2018 and 41025 /\_1 / 2016- Kota / US /6997 dated 16-08-2018 Shifting work in progress.
5. HT line have been identified and submitted to concerned Department for preparation of estimate. Approval pending.

**Details of numbers and length are as below: -**

SI No	Utility	Length/No.	Status	Balance	Present Status
1	Electric Poles	741Nos	230	511	Shifting work in progress
2	Water Pipe Line (km)	25.50 Km			Approved, Pipe procurement/ shifting is in progress
3	HT Line Crossing	8 nos			Under estimation
4	Trees	7822 Nos.	565	7257	Cutting in progress

## Status of Conditions precedent

a	Provided Performance Security to the Authority	Submitted
b	Executed and procured execution of Escrow Agreement	Submitted. Vide this office letter no. PDJHPL / NHAI / FC / 039 .2018 Dt. 21-05-2018.
c	Executed and procured execution of Substitution Agreement	Submitted. Vide this office letter no. PDJHPL / NHAI / FC / 039 .2018 Dt. 21-05-2018.
d	Procure all Applicable Permits as per Schedule -E	Obtained/ under progress
e	Executed Financing Agreements and delivered 3 copies duly attested by Director of the Concessionaire	Submitted. Vide this office letter no. PDJHPL / NHAI / FC / 039 .2018 Dt. 21-05-2018
f	Delivered to Authority 3 true copies of Financial Package and Financial Model duly attested by Director of the Concessionaire	Submitted. Vide this office letter no. PDJHPL / NHAI / FC / 039 .2018 Dt. 21-05-2018..
g	Delivered to Authority from Selected Bidder its respective confirmation in original of the correctness of their representations and warranties set forth in Sub Clause (k), (l) and (m) of Clause 7.1 of CA	Submitted
h	Environment	Done
i	Forest Land	Stage –II Clearance obtained
j	Wild Life	NA

### Status of Railway Approvals

Proposal Descri	Status	Length	Current Stage	Issues/ Comments
1) Rail ROB/)	GAD of ROB Approved	-	Detailed design and drawing submitted for approval of railways.	
RUB	GAD of ROB Approved		Detailed design and drawing under preparation.	

#### **ISSUES OF CONCERNE: -**

- 1) DLC issue from Km- 16+ 710 to 19+760 and 32+410 to 36 + 260. The land is yet to be taken under possession.
- 2) Disbursement of payment for structures & trees on private land in both the districts Kota and Jhalawar yet to be done. Because of non-removal of these hindrances the progress of electrical and water line shifting is affected. Continuity cannot be maintained. After disbursement of payment, it will take at-least 2-3 months for physical removal of these hindrance.
- 3) Approval of estimate for shifting of HT line Crossing yet to be done

**MONTHLY PROGRESS REPORT**  
**Lab Test Report for the month August- 2018**

Sr. No.	Name of Test	Number of Tests Conducted								
		Up To Previous Month			This Month			Total upto Date		
		Passed	Failed	Total No. of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum. No. of Test
1	Free Swell Index	263	0	263	39	0	39	302	0	302
2	Grain Size Analysis	263	0	263	39	0	39	302	0	302
3	Plasticity Index	263	0	263	39	0	39	302	0	302
4	Max. Dry Density	263	0	263	39	0	39	302	0	302
5	CBR	0	0	0	0	0	0	0	0	0
6	Density of Comp.Layer	1850	36	1886	200	10	210	2050	46	2096
1	Free Swell Index	361	0	361	145	0	145	506	0	506
2	Grain Size Analysis	361	0	361	145	0	145	506	0	506
3	Plasticity Index	361	0	361	145	0	145	506	0	506
4	Max. Dry Density	361	0	361	145	0	145	506	0	506
5	CBR	16	0	16	12	0	12	28	0	28
1	Density of Comp.Layer (Emb.)	6630	42	6672	210	10	220	6840	52	6892
2	Density of Comp. Layer (Sub grade & Earthen shoulder)	280	0	280	30	0	30	310	0	310
1	Sieve Analysis	11	0	11	1	0	1	12	0	12
2	Plasticity Index	8	0	8	1	0	1	9	0	9
3	Max. Dry Density	2	0	2	0	0	0	2	0	2
4	CBR	1	0	1	0	0	0	1	0	1
5	Water Absorption	1	0	1	0	0	0	1	0	1
6	AIV	2	0	2	0	0	0	2	0	2
7	Density of Comp. Layer	15	0	15	3	0	3	18	0	18
1	Sieve Analysis of CA	108	0	108	56	0	0	164	0	108
2	Sieve Analysis of FA	83	0	83	28	0	0	111	0	83
3	Aggregate Impact Value	35	0	35	28	0	0	63	0	35
4	Flakiness Index	35	0	35	28	0	0	63	0	35
5	Silt Content	60	0	60	0	0	0	60	0	60

Sr. No.	Name of Test	Number of Tests Conducted								
		Up To Previous Month			This Month			Total upto Date		
		Passed	Failed	Total No. of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum. No. of Test
6	Specific Gravity & W A	10	0	10	0	0	0	10	0	10
1	M15 7 Days	26	0	26	3	0	3	29	0	29
	28 Days	45	0	45	6	0	6	51	0	51
2	M20 Kerb 7 Days	0	0	0	0	0	0	0	0	0
	28 Days	0	0	0	0	0	0	0	0	0
	M20 7 Days	12	0	12	0	0	0	12	0	12
	28 Days	18	0	18	0	0	0	18	0	18
3	M25 7 Days	53	0	53	3	0	3	56	0	56
	28 Days	66	0	66	21	0	21	87	0	87
4	M30 7 Days	51	0	51	3	0	3	54	0	54
	28 Days	74	0	74	18	0	18	92	0	92
5	M35 7 Days	57	0	57	9	0	9	66	0	66
	28 Days	107	0	107	30	0	30	137	0	137
6	M35 Pile 7 Days	43	0	43	15	0	15	58	0	58
	28 Days	76	0	76	27	0	27	103	0	103
7	M35 RE block 7 Days	5	0	5	40	0	40	45	0	45
	28 Days	45	0	45	99	0	99	144	0	144
8	M40 7 Days	44	0	44	6	0	6	50	0	50
	28 Days	51	0	51	24	0	24	75	0	75
9	M45 7 Days	35	0	35	9	0	9	44	0	44
	28 Days	48	0	48	24	0	24	72	0	72
10	M50 7 Days	0	0	0	0	0	0	0	0	0
	28 Days	0	0	0	0	0	0	0	0	0
11	M40 PQC 7 Days	17	0	17	21	0	21	38	0	38
	28 Days	42	0	42	27	0	27	69	0	69
12	M40 PQC Fl. Strength 7 Days	11	0	11	3	0	3	14	0	14
	28 Days	28	0	28	3	0	3	31	0	31
13	DLC 7 Days	10	0	10	15	0	15	25	0	25
14	DLC FDD	12	0	12	30	0	30	42	0	42

Sr. No.	Name of Test	Number of Tests Conducted								
		Up To Previous Month			This Month			Total upto Date		
		Passed	Failed	Total No. of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum. No. of Test
1	M15 7 Days	96	0	96	19	0	19	115	0	115
	28 Days	152	0	152	74	0	74	226	0	226
2	M20 Kerb 7 Days	0	0	0	0	0	0	0	0	0
	28 Days	0	0	0	0	0	0	0	0	0
3	M25 7 Days	1	0	1	8	0	8	9	0	9
	28 Days	0	0	0	2	0	2	2	0	2
4	M30 7 Days	26	0	26	12	0	12	38	0	38
	28 Days	44	0	44	20	0	20	64	0	64
5	M35 7 Days	58	0	58	75	0	75	133	0	133
	28 Days	82	0	82	62	0	62	144	0	144
6	M35 Pile 7 Days	37	0	37	0	0	0	37	0	37
	28 Days	40	0	40	0	0	0	40	0	40
7	M35 RE block 7 Days	65	0	65	0	0	0	65	0	65
	28 Days	92	0	92	0	0	0	92	0	92
8	M40 7 Days	0	0	0	0	0	0	0	0	0
	28 Days	0	0	0	0	0	0	0	0	0
9	M45 7 Days	0	0	0	0	0	0	0	0	0
	28 Days	0	0	0	0	0	0	0	0	0
10	M50 7 Days	0	0	0	0	0	0	0	0	0
	28 Days	0	0	0	0	0	0	0	0	0
11	M40 PQC 7 Days	0	0	0	0	0	0	0	0	0
	28 Days	0	0	0	0	0	0	0	0	0
12	M40 PQC Flexural Strength 7 Days	0	0	0	0	0	0	0	0	0
	28 Days	0	0	0	0	0	0	0	0	0
13	DLC 7 Days	0	0	0	0	0	0	0	0	0
1	Fineness	12	0	12	5	0	5	17	0	17
2	Consistency	12	0	12	5	0	5	17	0	17

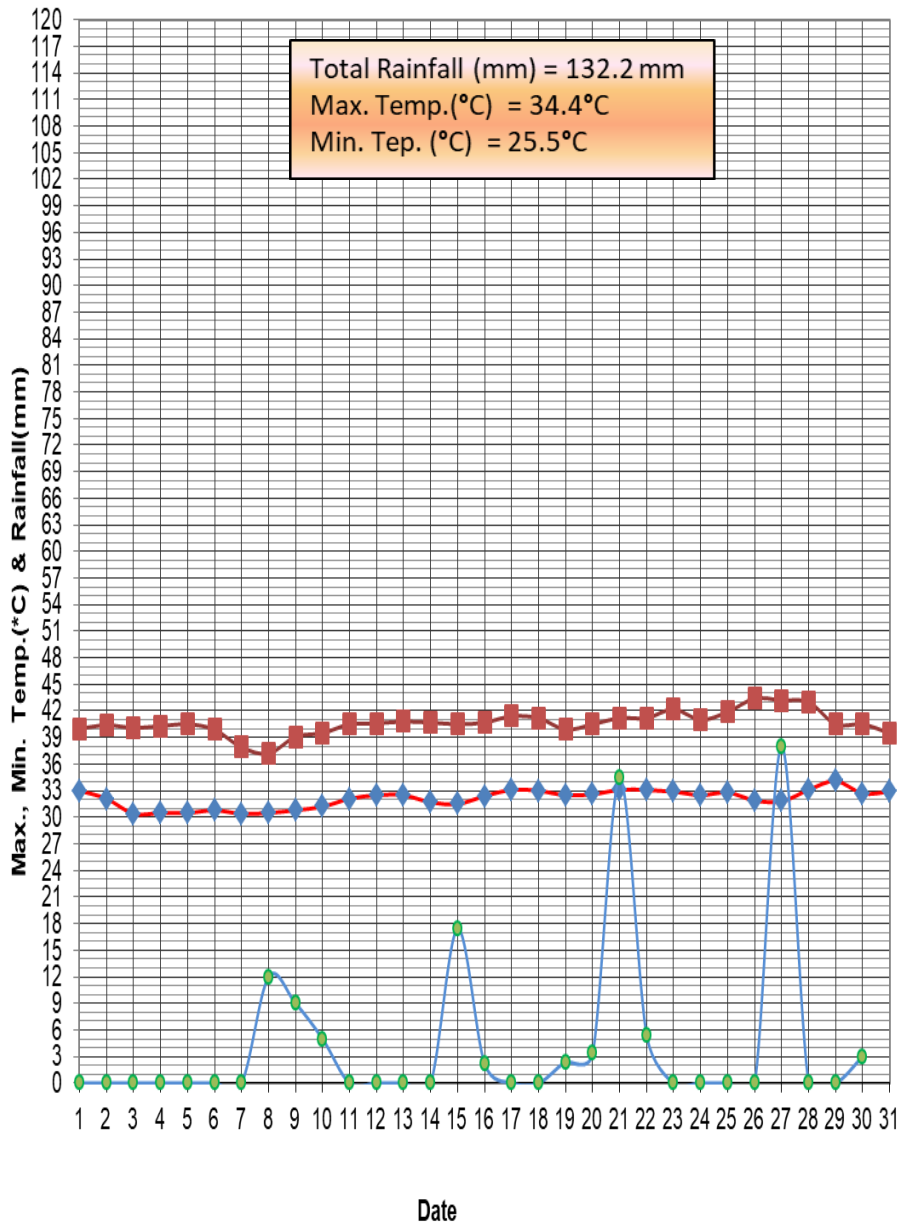


Sr. No.	Name of Test	Number of Tests Conducted								
		Up To Previous Month			This Month			Total upto Date		
		Passed	Failed	Total No. of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum. No. of Test
3	Setting Time	12	0	12	5	0	5	17	0	17
4	Soundness	7	0	7	0	0	0	7	0	7
5	Compressive Strength									
	a) 3 Days	12	0	12	5	0	5	17	0	17
	b) 7 Days	12	0	12	5	0	5	17	0	17
	c) 28 Days	8	0	8	8	0	8	16	0	16

# WEATHER REPORTS

Date	Min. Temp. (°C)	Max. Temp. (°C)	Rainfall (mm)
01-08-18	27.1	33.5	0.0
02-08-18	27.7	33.3	0.0
03-08-18	27.9	33.5	0.0
04-08-18	28.4	32.9	0.0
05-08-18	28.1	33.2	0.0
06-08-18	27.2	30.1	0.0
07-08-18	27.1	31.9	0.0
08-08-18	26.9	30.9	12.0
09-08-18	26.9	33.2	9.0
10-08-18	27.4	30.9	5.0
11-08-18	27.6	32.2	0.0
12-08-18	27.2	31.4	0.0
13-08-18	28.1	33.1	0.0
14-08-18	27.5	33.3	0.0
15-08-18	26.4	33.5	17.4
16-08-18	26.1	30.8	2.2
17-08-18	27.4	34.4	0.0
18-08-18	27.8	32.4	0.0
19-08-18	26.8	30.8	2.4
20-08-18	26.9	29.5	3.4
21-08-18	26.2	29.6	34.4
22-08-18	26.2	30.7	5.4
23-08-18	26.2	28.9	0.0
24-08-18	25.9	28.7	0.0
25-08-18	25.8	31.6	0.0
26-08-18	25.9	31.6	0.0
27-08-18	26.0	31.0	38.0
28-08-18	26.6	29.2	0.0
29-08-18	26.5	29.0	0.0
30-08-18	26.3	30.8	3.0
31-08-18	25.5	27.9	0.0

Graphical Presentation of Max., Min. Temp.(°C) & Rainfall (mm) in the month of August- 2018



## Status of Design Mixed and source approval

Sr.no.	Outgoing Letter NO.	Date of submission	Description	Approval letter no.	Date of approval
1	PDJHPL/PIU/CLO-179/2018/129	13.07.2018	Submission of Mix Design	LASA/Concessionaire/DJ/IE/2018/0003	21.08.2018
	PDJHPL/PIU/CLO-179/2018/129	13.07.2018	M-15(PCC Work) with flyash		
	PDJHPL/PIU/CLO-179/2018/129	13.07.2018	M-25(RCC Work) with flyash		
	PDJHPL/PIU/CLO-179/2018/129	13.07.2018	M-30(RCC Work) with flyash		
	PDJHPL/PIU/CLO-179/2018/129	13.07.2018	M-35(RCC Work) with flyash		
	PDJHPL/PIU/CLO-179/2018/129	13.07.2018	M-35(Pile Work with flyash)		
2	PDJHPL/PIU/CLO-179/2018/095	04.07.2018	RCC RE Block(M-35) Ultratech Cement with flyash		
	PDJHPL/PIU/CLO-179/2018/095	04.07.2018	RCC RE Block(M-35) Ultratech Cement		
	PDJHPL/PIU/CLO-179/2018/095	04.07.2018	M-15(PCC Work) Ultratech Cement		
	PDJHPL/PIU/CLO-179/2018/095	04.07.2018	M-25(RCC Work) Ultratech Cement		
	PDJHPL/PIU/CLO-179/2018/095	04.07.2018	M-30(RCC Work) Ultratech Cement		
	PDJHPL/PIU/CLO-179/2018/095	04.07.2018	M-35(RCC Work) Ultratech Cement		
	PDJHPL/PIU/CLO-179/2018/095	04.07.2018	M-35(Pile Work) Ultratech Cement		
	PDJHPL/PIU/CLO-179/2018/095	04.07.2018	M-40(RCC Work) Ultratech Cement		
3	PDJHPL/PIU/CLO-179/2018/047	13.06.2018	Submission of Mix Design of Concrete from Ultratech & Mangalam Cement	LASA/Concessionaire/DJ/IE/2018/0003	21.08.2018
	PDJHPL/PIU/CLO-179/2018/047	13.06.2018	M-35 RE Block ( Ultratech & Mangalam cement )		
	PDJHPL/PIU/CLO-179/2018/047	13.06.2018	M-35 with flyash RE Block ( Ultratech & Mangalam cement )		
	PDJHPL/PIU/CLO-179/2018/047	13.06.2018	M-15 PCC		
	PDJHPL/PIU/CLO-179/2018/047	13.06.2018	M-25 RCC		
	PDJHPL/PIU/CLO-179/2018/047	13.06.2018	M-30 RCC		
	PDJHPL/PIU/CLO-179/2018/047	13.06.2018	M-35 RCC		
	PDJHPL/PIU/CLO-179/2018/047	13.06.2018	M-35 Pile work		
4	PIL/CAMP/DJT/NHAI/2018-04/08	26.04.2018	Submission of Company profile & credential for the D.P. Wires		
5	PIL/CAMP/DJT/NHAI/2018-04/09	26.04.2018	Submission of Company profile & credential for the Shyam, Electrosteel and Premier Steel		

Sr.no.	Outgoing Letter NO.	Date of submission	Description	Approval letter no.	Date of approval
6	PDJHPL/NHAI/DJT/2018/019	12.03.2018	Submission of Company profile & credential for the Rashtriya Ispat Nigam Ltd (Vizag Steel),Nilkanth Steel Pvt.ltd. ,Steel authority of India limited (SAIL) ,Jindal steel & power limited ,Rashmi group ,Madhav Alloys Pvt.limited	LASA/Concessionaire/DJ/IE/2018/17	30.08.2018
7	PDJHPL/PIU/CLO-179/2018/094	04.07.2018	Submission of Company Profile & Credential for RAMA TMT		
8	PIL/CAMP/DJP/N HAI/2018 -04 / 063	21.06.2018	Submission of construction material for testing.		
9	PIL/CAMP/DJP/N HAI/2018 -04 / 063	21.06.2018	Steel Dia 20mm JSW Steel (Fe-5.50D)		
10	PIL/CAMP/DJP/N HAI/2018 -04 / 063	21.06.2018	Steel - Dia 12,25 & 32mm SAIL (Fe-500D)		
11	PDJHPL/NHAI/DJT/2018/013	26.02.2018	Submission of Company profile & credential for the Birla Corporation Limited , Mangalam Cement Limited , Wonder cement Limited . Ultrtech cement Limited , Vadraj cement . Shree cement Limited	LASA/Concessionaire/DJ/IE/2018/14	28.08.2018
12	PIL/CAMP/DJT/NHAI/2018-04/01	26.04.2018	Submission of Company profile & credential for the BASF India Ltd.for Admixture,Grout and joint Sealant , Unirock Chemicals (Admixture) , Tikitar Ltd. For Joint Sealant	LASA/Concessionaire/DJ/IE/2018/016	30.08.2018
13	PDJHPL/NHAI/DJT/2018/020	22.03.2018	Submission of Company profile & credential for Admixture and curing compound ,Kunal conchem pvt.ltd.,National Chemicals Industries, Rheoplast technology pvt.ltd.,Molecules Conchem Pvt ltd.,Grout and joint Sealant ,STPLimited & Chembond Chemicals Ltd.		
14	PIL/CAMP/DJP/N HAI/2018 -04 / 063	21.06.2018	Admixture - PC 100R ( Kunal Industries )		
15	PDJHPL/PIU/CLO-179/2018/095	04.07.2018	Submission of Mix Design		
16	PDJHPL/PIU/CLO-179/2018/095	04.07.2018	DLC Flyash		
17	PDJHPL/PIU/CLO-179/2018/095	04.07.2018	DLC without Flyash		
18	PIL/CAMP/DJP/N HAI/2018 -04 / 063	21.06.2018	GSB ( Julmi PIL Crusher )		
19	PIL/CAMP/DJP/N HAI/2018 -04 / 069	23.06.2018	Submission of construction material for testing.		

Sr.no.	Outgoing Letter NO.	Date of submission	Description	Approval letter no.	Date of approval
20	PIL/CAMP/DJT/NHAI/2018-04/06	26.04.2018	Submission of Company profile & credential for the IOCL (Bitumen) ,HPCL (Bitumen) ,ESSAR (Bituman) , GP global (Emulsions) , HINCOL (Emulsions) Total oil India pvt ltd. (Emulsions)	LASA/Concessionaire/DJ/IE/2018/020 Bitumen& 19 for Emulsion	31.08.208
21	PIL/CAMP/DJT/NHAI/2018-04/02	26.04.2018	Submission of Company profile & credential for the SGG spun pipes		
22	PIL/CAMP/DJT/NHAI/2018-04/03	26.04.2018	Submission of Company profile & credential for the TIKIDAN Danosa India		
23	PIL/CAMP/DJT/NHAI/2018-04/04	26.04.2018	Submission of Company profile & credential for the KANTAFLEX India Pvt.ltd. (Elastomeric & Pot bearing)		
24	PIL/CAMP/DJT/NHAI/2018-04/05	26.04.2018	Submission of Company profile & credential for the Dynamic Prestress (I) Pvt Ltd.		
25	PIL/CAMP/DJT/NHAI/2018-04/07	26.04.2018	Submission of Company profile & credential for the Amitek Infra ( Thermoplastic Road Marking Paint )	LASA/Concessionaire/DJ/IE/2018/018	30.08.2018
26	PDJHPL/NHAI/DJT/2018/021	22.03.2018	Submission of Company profile & credential for the Nakoda spun pipes		
27	PDJHPL/NHAI/DJT/2018/022	22.03.2018	Submission of Laboratory profile & credentials for the Star wire INDIA Pvt., Third party, Hind Heat		
28	PDJHPL/PIU/CLO-179/201 8/047	21.06.2018	Submission of Gompany Profile & Gredential for source approval of Hercules Bridge Bearings & Bridge Expansion Joints		
29	PDJHPL/PIU/CLO-179/201 8/096	04.07.2018	Submission of Company Profile & Gredential for Arihant Prefab		
30	PDJHPL/PIU/CLO-179/201 8/100	05.07.2018	Submission of Gompany profile & Gredeniir for M.E. Testing Laboratory		
31	PDJHPL/PIU/CLO-179/201 8/101	05.07.2018	Submission of Company Profile & Credential for Maruti Bitumin Pvt. Ltd		
32	PDJHPL/PRJ/TEC/CLO-179/2018/ 022	02.06.2018	Submission of profite,Credentials & Basic design report on RE walls		
33	PDJHPL/PIU/D/2018/032	16.04.2018	Submission of Quality assurance Plan		
34	PDJHPL/PIU/CLO-179/201 8/043	13.06.2018	Submission of Mix Design of Granular Sub-Base		
35	PDJHPL/PIU/CLO-179/201 8/044	13.06.2018	Submission of Summary of OGL test results		
36	PDJHPL/PIU/CLO-179/201 8/045	13.06.2018	Submission of Galibration Certificate of Batching Plant & Lab Equipments		
37	PDJHPL/PIU/CLO-179/201 8/046	13.06.2018	Submission of Third party test reports of the material related to the project		
38	PDJHPL/PIU/CLO-179/201 8/108	06.07.2018	Submission of Borrow Area - 1,3,6,7,9,10,11,12,14,15,17,18,20,21,22,23, 24,26,27,29,30,31,32,33,34 & 35		

<b>Sr.no.</b>	<b>Outgoing Letter NO.</b>	<b>Date of submission</b>	<b>Description</b>	<b>Approval letter no.</b>	<b>Date of approval</b>
39	PDJHPL/PIU/CLO-179/2018/122	10.07.2018	Testing for C & O Value of soil samples of Borrow area No. 1 & 22		
40	PDJHPL/PIU/CLO-179/2018/110	07.07.2018	Submission of Company Profile & Credential for Earthcon Systems Pvt. Ltd		
41	PDJHPL/PIU/CLO-179/2018/111	07.07.2018	Submission of Construction Design (Geogrid Reinforced Soil Wall)		
42	PDJHPL/PIU/CLO-179/2018/056	18.06.2018	Submission of Petrographic Test Report of Coarse Aggregate		

## Status of submitted Drawings

S.No	Type of Structure	Scope in Nos	No. of Drawing Submitted	Vide Letter No.	Date	Proof Check	Remarks
1	Pipe Culvert	16	R0-16 Nos.	PDJHPL/PIU/D/016/2018	27.02.2018	NIL	
				PDJHPL/PIU/CLO-179/2018/146	23.07.2018	NIL	
			R1-8 Nos.	PDJHPL/PIU/CLO-179/2018/146	23.07.2018	NIL	
2	Box Culvert	21	R0-20 Nos.	PDJHPL/PIU/D/016/2018	27.02.2018	NIL	
				PDJHPL/PIU/CLO-179/2018/093	04.07.2018	NIL	
				PDJHPL/PIU/CLO-179/2018/041	12.06.2018	NIL	
				PDJHPL/PIU/CLO-179/2018/037	07.06.2018	NIL	
			R1-5 Nos.	PDJHPL/PIU/CLO-179/2018/093	04.07.2018	NIL	
				PDJHPL/PIU/CLO-179/2018/137	18.07.2018	NIL	
				PDJHPL/PIU/CLO-179/2018/138	18.07.2018	NIL	
				PDJHPL/PIU/CLO-179/2018/228	22.08.2018	NIL	
3	Minor Bridge	11	R0-10 Nos.	PDJHPL/PIU/D/016/2018	27.02.2018	NIL	
				PDJHPL/PIU/CLO-179/2018/137	18.07.2018	NIL	
				PDJHPL/PIU/CLO-179/2018/146	23.07.2018	NIL	
				PDJHPL/PIU/CLO-189/2018/191	09.08.2018	NIL	
			R1-05 Nos	PDJHPL/PIU/CLO-179/2018/037	07.06.2018	NIL	
				PDJHPL/PIU/CLO-179/2018/137	18.07.2018	NIL	
4	Major Bridge	2	R0-02 Nos	PDJHPL/PIU/D/034/2018	19.04.2018	NIL	
			R1-02 Nos	PDJHPL/PIU/CLO-179/2018/037			
				01 Nos. (Letter -119 date-09.07.2018) (Proof Checked)	07.06.2018	1 set	
				PDJHPL/PIU/CLO-179/2018/072	25.06.2018		
5	Elevated Road	1	R1-01 Nos	PDJHPL/PIU/CLO-179/2018/037			
				01 Nos. (Letter -119 date-09.07.2018) (Proof Checked)	07.06.2018	1 set	
6	VUP	9	R0-09 Nos	PDJHPL/PIU/D/018/2018	12.03.2018		
				PDJHPL/PIU/D/014/2018	27.02.2018		
				Letter No- 041 (IIT Certified Copy)	12.06.2018	1 set	
			R1-06 Nos	Letter No- 041 (IIT Certified Copy)			
				06 Nos. (Letter -158 date-28.07.2018)	12.06.2018	1 set	
				06 Nos. (Letter -188 date-08.08.2018)			

S.No	Type of Structure	Scope in Nos	No. of Drawing Submitted	Vide Letter No.	Date	Proof Check	Remarks
7	LVUP	13	R0-13 Nos	PDJHPL/PIU/D/016/2018	27.02.2018	NIL	
				PDJHPL/PIU/CLO-179/2018/067	22.06.2018	NIL	
			R1-06 Nos	PDJHPL/PIU/CLO-179/2018/067	22.06.2018	NIL	
8	FlyOver	3	R0-01 Nos	PDJHPL/PIU/D/034/2018	19.04.2018	NIL	
			R1-03 Nos	PDJHPL/PIU/CLO-179/2018/115	09.07.2018	NIL	
9	ROB	1	R1-01 Nos	PDJHPL/PIU/CLO-179/2018/118 01 Nos. (Letter-118 date- 09.07.2018) Proof Checked)	09.07.2018	1 set	
	RUB	1	R1-01 Nos	PDJHPL/PIU/TEC/CLO- 179/2018/019 Hard Copy of Trecing Paper Drawing	31.05.2018	1 set	
	<b>Total</b>	<b>78</b>					



## Mobilization of Manpower

Name of the Employee		Designation	Department
Amit	Garg	General Manager	Technical
Rajesh	Chaturvedi	Dy. Project Manager	SPV
Rajesh	Raval	Material Engineer	SPV
Shailendra Mani	Tiwari	Dy. Manager HR & Admin	SPV
Manoj Kumar	Shukla	Sr. Executive HR & Admin	SPV
Kalpesh	Prajapati	Engineer Trainee	SPV
Atul Kumar	Mishra	Project Manager	Technical
<b>HR &amp; ADMIN DEPARTMENT</b>			
Ruchir	Malhotra	Dy. Manager	HR & Admin
Shibasis	Mohanty	Sr. Executive	HR & Admin
Bijay Kumar	Dhasmana	Executive	HR & Admin
Kaushal Kishor	Pathak	Executive	HR & Admin
Satyaveer		Supervisor	HR & Admin
Lokesh	Kumar	Jr. Executive	HR & Admin
Rajesh	Raikwar	Jr. Executive	HR & Admin
Rinku	Kumar	Sr. Executive	HR & Admin
Office Boy		6 nos	
<b>FINANCE &amp; ACCOUNTS DEPARTMENT</b>			
Ravi Kishore Pandey	Dina Nath Pandey	Sr. Accountant (F&A)	Finance & Accounts
Ashokkumar	Walia	Accountant (F&A)	Finance & Accounts
<b>PLANNING &amp; BILLING DEPARTMENT</b>			
Ranjay Kumar	Anju	Dy. Project Manager	Planning & Billing
Anjani	Singh	Sr. Engineer	Planning & Billing
Pankaj	Tyagi	Sr. Engineer	Planning & Billing
Sudhanshu	Shekhar	Engineer	Planning & Billing
Manoj Kumar	Upreti	Asst. Engineer	Planning & Billing
Shubham	Mittal	Asst. Engineer	Planning & Billing
<b>QA/QC DEPARTMENT</b>			
Devesh	Pandey	Dy. Project Manager	QA/QC
Durgalal	Kumar	Lab Technician	QA/QC
Brijkishor	Ramsewak	Engineer	QA/QC
Laljit	Singh	Lab Technician	QA/QC
Kedar	Singh	Lab Technician	QA/QC
Beant	Singh	Helper	QA/QC
Saminullah	Khan	Lab Technician	QA/QC
Ajeet	Kumar	Lab Technician	QA/QC

Name of the Employee		Designation	Department
Maninder	Singh	Jr. Engineer	QA/QC
Paresh	Bera	Sr. Lab Technician	QA/QC
Anurag	Trivedi	Engineer	QA/QC
Satya	Hanuman	Jr. Engineer	QA/QC
Rakeshkumar	Lal	Lab Technician	QA/QC
Prahlad	.	Lab Technician	QA/QC
Dinesh Kumar	Tiwari	Engineer	QA/QC
Aman	Kumar	Jr. Engineer	QA/QC
Debasish	Sinha	Lab Technician	QA/QC
Vijay	Kumar	Lab Technician	QA/QC
Kajod Lal	Meena	Lab Technician	QA/QC
<b>HIGHWAY DEPARTMENT</b>			
Sheikh Irfanul	Hodda	Dy. Project Manager	Highway
Harveer	Singh	Jr. Engineer	Highway
Kumar	Rajesh	Sr. Engineer	Highway
Arun Kumar	Chaudhary	Sr. Engineer	Highway
Devendra	Agrawal	Sr. Engineer	Highway
Arpit	Jain	Engineer	Highway
Amit	Parida	Engineer Trainees	Highway
Dhavalkumar Sureshbhai	Patel	Jr. Engineer	Highway
Dashrath	Patidar	Asst. Engineer	Highway
Kalmi Miteshkumar	Makanbhai	Jr. Engineer	Highway
Supervisor		6 Nos	Highway
<b>STRUCTURE DEPARTMENT</b>			
Sajjan Lal	Sharma	Dy. Project Manager	Structure
Manvendra	Singh	Dy. Project Manager	Structure
Dilipkumar	Shukla	Supervisor	Structure
Deepakkumar	Singh	Sr. Engineer	Structure
Rohit	Brijpal	Jr. Engineer	Structure
Ajaykumar	Singh	Jr. Supervisor	Structure
Dalbir	Amar	Sr. Engineer	Structure
Mukesh Mulchand	Kumavat	Sr. Engineer	Structure
Sourabh	Bansal	Engineer	Structure
Deen Dayal	Gupta	Sr. Supervisor	Structure
Ajay Dev	Jangid	Engineer	Structure
Amrit	Kalash	Engineer	Structure
Siddharth Kumar	Pareek	Engineer	Structure

Name of the Employee		Designation	Department
Narendra Kumar	Mishra	Sr. Engineer	Structure
Kuldeep	Dhaniya	Engineer Trainees	Structure
Mahipal	Singh	Engineer Trainees	Structure
Ajay	Sharma	Engineer Trainees	Structure
Sourabh	Pal	Engineer	Structure
Mayank	Chourasiya	Jr. Engineer	Structure
Abhinav	Kumar	Engineer	Structure
Shubham	Dogra	Engineer	Structure
Shiv Prasad	Verma	Supervisor	Structure
Dharmendra	Singh	Supervisor	Structure
<b>SURVEY DEPARTMENT</b>			
Kuldeepsingh	Shivnathsingh	Sr. Surveyor	Survey
Manojkumar	Ramdhani	Surveyor	Survey
Deepak	Kumar	Surveyor	Survey
Ranjeet	Kishor	Surveyor	Survey
Kiran	Baria	Surveyor	Survey
Prakash	Singh	Jr. Surveyor	Survey
Chittarmal	Sharma	Jr. Surveyor	Survey
Dharmendra Kumar	Singh	Surveyor	Survey
Dinesh	Chaudhary	Surveyor	Survey
Helper		10 Nos	
<b>STORE DEPARTMENT</b>			
Laxmansingh	Chandel	Executive	Store
Dharmendra	Singh	Executive	Store
Prabha Shankar	Jha	Sr.Executive	Store
Ramniwas	Kashniya	Executive	Store
Rahul	Bachate	Executive	Store
Anoop Singh		Executive	Store
Sunil	Kumar	Executive	Store
Raviranjn Kumar	Singh	Executive	Store
Rahul Kumar	Mishra	Executive	Store
Akash	Mishra	Executive	Store
Naushad	Khan	Helper	Store
Munshi	Chandrawanshi	Helper	Store
<b>WEIGHT BRIDGE</b>			
Akhilesh	Jha	Executive	Weigh Bridge
Jr. Executive		13 Nos	Weigh Bridge
<b>PURCHASE DEPARTMENT</b>			

Name of the Employee		Designation	Department
Bhagwan	Jha	Manager	Purchase
Satish	Singh	Dy. Manager	Purchase
Vishal	Chawla	Sr.Executive	Purchase
Hariom	Singh	Jr. Executive	Purchase
<b>MECHANICAL DEPARTMENT</b>			
Dinanath	Gupta	Foreman	Mechanical
Sanjivkumar	Narayan	Engineer	Mechanical
Subhash	Kumar	Sr.Manager	Mechanical
Sanjaykumar	Singh	Jr. Engineer	Mechanical
Harjinder	Singh	Asst.Engineer	Mechanical
Vimalesh	Pasavan	Asst.Tyer (Fitter)	Mechanical
Devendra	Om	Jr. Engineer	Mechanical
Nirala Kumar		Jr. Executive	Mechanical
Praveen Kumar		Engineer Trainees	Mechanical
Ajay Kumar	Mahato	Sr. Engineer	Mechanical
Nilesh Kumar	Pandey	Sr. Engineer	Mechanical
Prashant	Singh	Jr. Executive	Mechanical
Sanjeev	Singh	Jr. Engineer	Mechanical
Shyam Datt	Tiwari	Jr. Executive	Mechanical
Rohit	Singh	Asst. Engineer	Mechanical
Supervisor		17 Nos	
Operator/ Macheenic and Helper		115 Nos	
Driver		59 Nos.	Mechanical
<b>IT DEPARTMENT</b>			
Kuldeep Kumar	.	Sr.Executive	IT
Rishi Kumar	.	Executive	IT
<b>HSE DEPARTMENT</b>			
Dayanand	Prakash	Engineer	HSE
Girdhar Gopal Gour	.	Executive	HSE

### **Mobilization of Resources (Plant and Machineries)**

<b>S. No</b>	<b>Name of Machinery</b>	<b>Nos of Equipments</b>	<b>Remarks</b>
1	Excavator	18	
2	Hywa/Tipper	58	
3	Soil Compactor	18	
4	Dozer	2	
5	Water Tanker	13	
6	Diesel Dispenser	5	
7	Grader	6	
8	Loader	6	
9	Back Hoe	4	
10	Transit Mixer	9	
11	Crusher	1	
12	Concrete Batching Plant	4	
13	Weigh Bridge	5	
14	WMM Plant	2	
15	Hydra Crane	5	
16	Hot Mix Plant	1	
17	Concrete Pump	2	
18	Sand Classifier	1	
19	Tractor	5	
20	Tower Light	3	
21	DG Set	12	
22	Light Vehicle	25	
23	Trailer	2	
24	JCB	4	

**Status of Conditions precedent**

a	Provided Performance Security to the Authority	Submitted
b	Executed and procured execution of Escrow Agreement	Submitted. Vide this office letter no. PDJHPL / NHAI / FC / 039 .2018 Dt. 21-05-2018.
c	Executed and procured execution of Substitution Agreement	Submitted. Vide this office letter no. PDJHPL / NHAI / FC / 039 .2018 Dt. 21-05-2018.
d	Procure all Applicable Permits as per Schedule -E	Obtained/ under progress
e	Executed Financing Agreements and delivered 3 copies duly attested by Director of the Concessionaire	Submitted. Vide this office letter no. PDJHPL / NHAI / FC / 039 .2018 Dt. 21-05-2018
f	Delivered to Authority 3 true copies of Financial Package and Financial Model duly attested by Director of the Concessionaire	Submitted. Vide this office letter no. PDJHPL / NHAI / FC / 039 .2018 Dt. 21-05-2018..
g	Delivered to Authority from Selected Bidder its respective confirmation in original of the correctness of their representations and warranties set forth in Sub Clause (k), (l) and (m) of Clause 7.1 of CA	Submitted

**ISSUES OF CORENCH: -**

- 4) DLC issue from Km- 16+ 710 to 19+760 and 32+410 to 36 + 260. The Land is yet to be taken under possession.
- 5) Disbursement of payment for structures & trees on private land in both the district Kota and Jhalawar yet to be done. Because of non-removal of these hindrances the progress of electrical and water line shifting is affected. Continuity cannot be maintained. After disbursement of payment, it will take at-least 2-3 months for physical removal of these hindrance.
- 6) Approval of estimate for shifting of HT line Crossing yet to be done.

**Site Progress Photo  
IE inspecting the Reinforcement**



**IE is inspecting Girder Shuttering**





**CH 57+127 PIER- 02 PILE NO : 4 ( LOWERING OF CAGE )**





**CH 57+127 A- 02 PILE NO : 1( CAGE)**



**CH 57+127A- 02 PILE NO : 1( LOWERING CAGE & CONCRETE)**



**CH :47+830 P-16 (RAFT)**



**CH :47+830 P-16 (1<sup>ST</sup> LIFT)**



CH-27+029 A2 RAFT (VUP) LHS



**CH-27+029 A2 2<sup>ND</sup> LIFT (VUP) LHS**



**CH-57+127 PILE CAP(12) CONCRETE**



CH-57+127 PILE CAP(9)



CH-57+127 PILE CAP(A2) STEEL & CONCRETE





CH -37+050 LVUP PCC



CH -37+050 LVUP RAFT & WALL



CH -47+830 P-6 RHS & LHS





**CH -47+ 830 PIER CAP P12 REINFORCEMENT STEEL**





CH -47+ 830 PIER CAP P12 CONCRETE



CH -47+ 830 PIER P7 RHS



**CH -47+ 830 PIER P16 (RHS) FINAL LIFT**



**CH -47+ 830 PIER P2**



CH -16+570 BC



CH -14+980 BC



CH 13 +400 BC



GIRDER 47+ 650



**EARTH WORKS- CH- 12+500**



**SUB-GRADE WORK IN PROGRESS CH- 12+500**



**GSB WORK PROGRESS Ch 12+800**



**DLC IN PROGRESS Ch 12+800**

