

# ENVIRONMENT REPORT – PKG-07 (CAMP-01)

EST 2009



# SISHODIA

Research Laboratories Pvt. Ltd.

CIN NO :- U73100UP2009PTC037857

Accredited by NABL as per ISO/IEC 17025 : 2017

Recognized by MoEFCC (Govt. of India) Under EPA 1986 | (Vide F. No. LB/98/7/2021-Sublab-HO-CPCB-HO/Pvt-322/92)



## TEST REPORT

Format No- 7.8F-01

Report No. <b>TC-639423000000728F</b>	Sample code <b>SMPL/AAQ/728/2023</b>	Report issue date <b>21/10/2023</b>
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### SAMPLING DETAILS

1.	Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)		
2.	Type of Sample:	Ambient Air		
3.	Sampling Location:	Package-7 At site CH324-000 Camp-1 Near Batching Plant		
4.	Date of sampling:	07/10/2023-08/10/2023		
5.	Sample collected by:	SRLPL Team		
6.	Method of Sampling:	SRL/QR/SP/01		
7.	Packing condition:	Sealed		
8.	Laboratory Sample Receiving date:	16/10/2023		
9.	Period of Sample analysis:	16/10/2023-21/10/2023		
10.	Humidity (%)	45	Ambient Temperature(°C)	30
11.	Sampling Machine Placed:	3 m above the ground level		

### AMBIENT AIR TESTING RESULT

S. No.	Parameter	Test Method	Result	Unit	Standards limits (24 hours) *
1	Respirable Particulate Matter (PM <sub>10</sub> )	IS 5182 PART 23 2006	92.0	µg/m <sup>3</sup>	100
2	Respirable Particulate Matter (PM <sub>2.5</sub> )	CPCB, Volume-I	54.8	µg/m <sup>3</sup>	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2)	20.7	µg/m <sup>3</sup>	80
4	Nitrogen Oxides (as NO <sub>2</sub> )	IS 5182 (Part 6)	32.6	µg/m <sup>3</sup>	80

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\*\*END OF REPORT\*\*

(Reviewed By)

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3. The sample will be destroyed after 21 days from date of issue of test report unless otherwise specified.

4. Any discrepancy found in the report may be communicated within seven days

Ravi Kumar Singh  
 Authorized Signatory

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 Mob. No. : 09958999476, 9415329658 Email : viveksinghsishodia@sishodialabs.com, cmd@sishodialabs.com  
 Website : www.sishodialabs.com

**TEST REPORT**

Format No. 7.8F-01

<b>Report No.</b> RPT/2300448	<b>Sample code</b> SMPL/AAQ/728/2023	<b>Report issue date</b> 21/10/2023
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**SAMPLING DETAIL**

1.	Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)		
2.	Type of Sample:	Ambient Air		
3.	Sampling Location:	Package-7 At site CH324+000 Camp-1 Near Batching Plant		
4.	Date of sampling:	07/10/2023-08/10/2023		
5.	Sample collected by:	SRLPL Team		
6.	Method of Sampling:	SRL/QR/SP/01		
7.	Packing condition:	Scaled	Sealed	
8.	Laboratory Sample Receiving date:	16/10/2023		
9.	Period of Sample analysis:	16/10/2023-21/10/2023		
10.	Humidity (%)	45	Ambient Temperature(°C)	30
11.	Sampling Machine Placed:	3 m above the ground level		

**AMBIENT AIR TESTING RESULT**

S. No.	Parameter	Test Method	Result	Unit	Standards limits (24 hours)
1	Carbon Monoxide (as CO) (8 hrs.)	IS 5182 (Part 10)	0.32	mg/m <sup>3</sup>	02

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**\*\*END OF REPORT\*\*****(Reviewed By)**

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EST 2009



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### TEST REPORT

Format No- 7.8F-01

Report No. TC-63942300000729F	Sample code SMPL/AAQ/729/2023	Report issue date 21/10/2023
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### SAMPLING DETAILS

1.	Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)		
2.	Type of Sample:	Ambient Air		
3.	Sampling Location:	Package-7 At site CH324+000 Camp-1 Office Area		
4.	Date of sampling:	08/10/2023-09/10/2023		
5.	Sample collected by:	SRL/PL Team		
6.	Method of Sampling:	SRL/QR/SP/01		
7.	Packing condition:	Sealed		
8.	Laboratory Sample Receiving date:	16/10/2023		
9.	Period of Sample analysis:	16/10/2023-21/10/2023		
10.	Humidity (%)	45	Ambient Temperature(°C)	30
11.	Sampling Machine Placed:	3 m above the ground level		

### AMBIENT AIR TESTING RESULT

S. No.	Parameter	Test Method	Result	Unit	Standards limits (24 hours) *
1	Respirable Particulate Matter (PM <sub>10</sub> )	IS 5182 PART 23 2006	89.9	µg/m <sup>3</sup>	100
2	Respirable Particulate Matter (PM <sub>2.5</sub> )	CPCB, Volume-I	51.9	µg/m <sup>3</sup>	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2)	19.0	µg/m <sup>3</sup>	80
4	Nitrogen Oxides (as NO <sub>2</sub> )	IS 5182 (Part 6)	29.8	µg/m <sup>3</sup>	80

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\*\*END OF REPORT\*\*

(Reviewed By)

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**TEST REPORT**

Format No- 7.8F-01

Report No. RPT/2300449	Sample code SMPL/AAQ/729/2023	Report issue date 21/10/2023
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**SAMPLING DETAIL**

1.	Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)		
2.	Type of Sample:	Ambient Air		
3.	Sampling Location:	Package-7 At site CH324+000 Camp-1 Office Area		
4.	Date of sampling:	08/10/2023-09/10/2023		
5.	Sample collected by:	SRLPL Team		
6.	Method of Sampling:	SRL/QR/SP/01		
7.	Packing condition:	Sealed	Sealed	
8.	Laboratory Sample Receiving date:	16/10/2023		
9.	Period of Sample analysis:	16/10/2023-21/10/2023		
10.	Humidity (%)	45	Ambient Temperature(°C)	30
11.	Sampling Machine Placed:	3 m above the ground level		

**AMBIENT AIR TESTING RESULT**

S. No.	Parameter	Test Method	Result	Unit	Standards limits (24 hours)
1	Carbon Monoxide (as CO) (8 hrs.)	IS 5182 (Part 10)	0.29	mg/m <sup>3</sup>	02

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**\*\*END OF REPORT\*\***

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### TEST REPORT

Format No- 7.8F-01

Report No. TC-639423000000730F	Sample code SMPL/AAQ/730/2023	Report issue date 21/10/2023
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### SAMPLING DETAILS

1.	Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)	
2.	Type of Sample:	Ambient Air	
3.	Sampling Location:	Package-7 At site CH306+600 on Aliment working	
4.	Date of sampling:	09/10/2023-10/10/2023	
5.	Sample collected by:	SRLPL Team	
6.	Method of Sampling:	SRL/QR/SP/01	
7.	Packing condition:	Sealed	
8.	Laboratory Sample Receiving date:	16/10/2023	
9.	Period of Sample analysis:	16/10/2023-21/10/2023	
10.	Humidity (%)	45	Ambient Temperature(°C) 30
11.	Sampling Machine Placed:	3 m above the ground level	

### AMBIENT AIR TESTING RESULT

S. No.	Parameter	Test Method	Result	Unit	Standards limits (24 hours) *
1	Respirable Particulate Matter (PM <sub>10</sub> )	IS 5182 PART 23 2006	91.6	µg/m <sup>3</sup>	100
2	Respirable Particulate Matter (PM <sub>2.5</sub> )	CPCB, Volumc-1	53.6	µg/m <sup>3</sup>	60
3	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 2)	19.8	µg/m <sup>3</sup>	80
4	Nitrogen Oxides (as NO <sub>2</sub> )	IS 5182 (Part 6)	31.3	µg/m <sup>3</sup>	80

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(Reviewed By)

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**TEST REPORT**

Format No- 7.8F-01

<b>Report No.</b> RPT/2300450	<b>Sample code</b> SMPL/AAQ/730/2023	<b>Report issue date</b> 21/10/2023
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**SAMPLING DETAIL**

1.	Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)	
2.	Type of Sample:	Ambient Air	
3.	Sampling Location:	Package-7 At site CH306+600 on Aliment working	
4.	Date of sampling:	09/10/2023-10/10/2023	
5.	Sample collected by:	SRLPL Team	
6.	Method of Sampling:	SRL/QR/SP/01	
7.	Packing condition:	Sealed	Sealed
8.	Laboratory Sample Receiving date:	16/10/2023	
9.	Period of Sample analysis:	16/10/2023-21/10/2023	
10.	Humidity (%)	45	Ambient Temperature(°C) 30
11.	Sampling Machine Placed:	3 m above the ground level	

**AMBIENT AIR TESTING RESULT**

S. No.	Parameter	Test Method	Result	Unit	Standards limits (24 hours)
1	Carbon Monoxide (as CO) (8 hrs.)	IS 5182 (Part 10)	0.31	mg/m <sup>3</sup>	02

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*Prakash Kumar*  
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### TEST REPORT

Report No TC-63942300000731F	Format No-7.8F-01 Sample code SMPL/ANQ/731/2023	Report issue date 21/10/2023
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#### SAMPLING DETAILS

Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)
Type of Sample:	Ambient Noise
Date of Sampling: 07/10/2023-08/10/2023	Sampling Period: 24 Hrs
Sample Collected by:	SRLPL Team
Method of Sampling:	SRL/QR/SP/01
Laboratory Data Receiving date:	16/10/2023
Period of Data analysis:	16/10/2023-21/10/2023

#### AMBIENT NOISE RESULT

Noise Location	Test Method	Day			Night		
		L Max	L Min	Avg	L Max	L Min	Avg
Package-7 At site 324+000 Near workshop	IS-9989	80.00	60.70	70.35	70.20	51.00	60.60

#### Noise (Ambient Standard)

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

- Note:
1. Day time shall mean from 6.00 a.m. to 10.00 p.m.
  2. Night time shall mean from 10.00 p.m. to 6.00 a.m.
  3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
  4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*\*END OF REPORT\*\*

(Reviewed By)

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## TEST REPORT

Format No- 7-RF-01

Report No TC-63942300000732F	Sample code SMPL/ANQ/732/2023	Report issue date 21/10/2023
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### SAMPLING DETAILS

Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)	
Type of Sample:	Ambient Noise	
Date of Sampling: 08/10/2023-09/10/2023	Sampling Period:	24 Hrs
Sample Collected by:	SRLPL Team	
Method of Sampling:	SRL/QR/SP/01	
Laboratory Data Receiving date:	16/10/2023	
Period of Data analysis:	16/10/2023-21/10/2023	

### AMBIENT NOISE RESULT

Noise Location	Test Method	Day			Night		
		L Max	L Min	Avg	L Max	L Min	Avg
Package-7 At site CH324+000 near Accommodation	IS-9989	79.67	59.90	69.79	69.50	50.58	60.04

### Noise (Ambient Standard)

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

- Note:
1. Day time shall mean from 6:00 a.m. to 10:00 p.m.
  2. Night time shall mean from 10:00 p.m. to 6:00 a.m.
  3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
  4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

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### TEST REPORT

Report No TC-639423000000733F	Format No- 7.8F-01 Sample code SMPL/ANQ/733/2023	Report issue date 21/10/2023
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### SAMPLING DETAILS

Name and Address of Customer:	M/s Patel Infrastructure Ltd, Ganga Express Way Project (Plant-1130)
Type of Sample:	Ambient Noise
Date of Sampling: 08/10/2023-09/10/2023	Sampling Period: 24 Hrs
Sample Collected by:	SRLPL Team
Method of Sampling:	SRL/QR/SP/01
Laboratory Data Receiving date:	16/10/2023
Period of Data analysis:	16/10/2023-21/10/2023

### AMBIENT NOISE RESULT

Noise Location	Test Method	Day			Night		
		L Max	L Min	Avg	L Max	L Min	Avg
Package-7 At site CH324+000 Near Batching Plant Camp-1	IS-9989	82.80	63.72	73.26	73.80	53.82	63.81

### Noise (Ambient Standard)

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

- Note:
- Day time shall mean from 6.00 a.m. to 10.00 p.m.
  - Night time shall mean from 10.00 p.m. to 6.00 a.m.
  - Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
  - Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

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### TEST REPORT

Format No- 7.8E-01

Report No TC-639423000000734F	Sample code SMPL/ANQ/734/2023	Report issue date 21/10/2023
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#### SAMPLING DETAILS

Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)
Type of Sample:	Ambient Noise
Date of Sampling: 07/10/2023-08/10/2023	Sampling Period: 24 Hrs
Sample Collected by:	SRLPL Team
Method of Sampling:	SRL/QR/SP/01
Laboratory Data Receiving date:	16/10/2023
Period of Data analysis:	16/10/2023-21/10/2023

#### AMBIENT NOISE RESULT

Noise Location	Test Method	Day			Night		
		L Max	L Min	Avg	L Max	L Min	Avg
Package-7 At site CH324+000 Near office	IS-9989	78.50	59.20	68.85	68.78	50.00	59.39

#### Noise (Ambient Standard)

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

- Note:
- Day time shall mean from 6:00 a.m. to 10:00 p.m.
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  - Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

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## TEST REPORT

Report No	Forma (No. 7.SF-01) Sample code	Report issue date
TC-639423000000735F	SMPL/ANQ/735/2023	21/10/2023

### SAMPLING DETAILS

Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)	
Type of Sample:	Ambient Noise	
Date of Sampling: 09/10/2023-10/10/2023	Sampling Period:	24 Hrs
Sample Collected by:	SRLPL Team	
Method of Sampling:	SRL/QR/SP/01	
Laboratory Data Receiving date:	16/10/2023	
Period of Data analysis:	16/10/2023-21/10/2023	

### AMBIENT NOISE RESULT

Noise Location	Test Method	Day			Night		
		L Max	L Min	Avg	L Max	L Min	Avg
Package-7 At site CH324+000 Pakona Plant Camp-1	IS-9989	81.90	62.70	72.30	71.90	52.80	62.35

### Noise (Ambient Standard)

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

- Note:
1. Day time shall mean from 5:00 a.m. to 10:00 p.m.
  2. Night time shall mean from 10:00 p.m. to 6:00 a.m.
  3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
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### TEST REPORT

Report No TC-639423000000736F	Format No-7,8F-01 Sample code SMPL/ANQ/736/2023	Report issue date 21/10/2023
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### SAMPLING DETAILS

Name and Address of Customer:	M/s Patel Infrastructure Ltd, Ganga Express Way Project (Plant-1130)
Type of Sample:	Ambient Noise
Date of Sampling: 09/10/2023-10/10/2023	Sampling Period: 24 Hrs
Sample Collected by:	SRLPL Team
Method of Sampling:	SRL/QR/SP/01
Laboratory Data Receiving date:	16/10/2023
Period of Data analysis:	16/10/2023-21/10/2023

### AMBIENT NOISE RESULT

Noise Location	Test Method	Day			Night		
		L Max	L Min	Avg	L Max	L Min	Avg
Package-7 At site CH324+700	IS-9989	82.67	63.50	73.09	72.67	53.76	63.22

### Noise (Ambient Standard)

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

- Note:
- Day time shall mean from 6.00 a.m. to 10.00 p.m.
  - Night time shall mean from 10.00 p.m. to 6.00 a.m.
  - Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
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 4. Any discrepancy found in the report may be communicated within seven days.

  
 (Authorized Signatory)  
 Lucknow

EST 2009



# SISHODIA

## Research Laboratories Pvt. Ltd.



CIN NO :- U73100UP2009PTC037857

Accredited by NABL as per ISO/IEC 17025 : 2017

Recognized by MoEFCC (Govt. of India) Under EPA 1986 I (Vide F. No. LB/99/7/2021-Sublab-HO-CPCB-HO/Pvt-322/92)

### TEST REPORT

Report No TC-639423000000737F	Format No- 7.8F-01 Sample code SMPL/ANQ/737/2023	Report issue date 21/10/2023
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### SAMPLING DETAILS

Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)
Type of Sample:	Ambient Noise
Date of Sampling: 09/10/2023-10/10/2023	Sampling Period: 24 Hrs
Sample Collected by:	SRLPL Team
Method of Sampling:	SRL/QR/SP/01
Laboratory Data Receiving date:	16/10/2023
Period of Data analysis:	16/10/2023-21/10/2023

### AMBIENT NOISE RESULT

Noise Location	Test Method	Day			Night		
		L Max	L Min	Avg	L Max	L Min	Avg
Package-7 At site 329+000	IS-9989	80.30	61.20	70.75	70.53	51.90	61.22

### Noise (Ambient Standard)

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

- Note:
- Day time shall mean from 6.00 a.m. to 10.00 p.m.
  - Night time shall mean from 10.00 p.m. to 6.00 a.m.
  - Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
  - Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*\*END OF REPORT\*\*

(Reviewed By)

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### TEST REPORT

Report No TC-639423000000738F	Format No- 7.8F-01 Sample code SMPL/ANQ/738/2023	Report issue date 21/10/2023
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### SAMPLING DETAILS

Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)
Type of Sample:	Ambient Noise
Date of Sampling: 09/10/2023-10/10/2023	Sampling Period: 24 Hrs
Sample Collected by:	SRLPL Team
Method of Sampling:	SRL/QR/SP/01
Laboratory Data Receiving date:	16/10/2023
Period of Data analysis:	16/10/2023-21/10/2023

### AMBIENT NOISE RESULT

Noise Location	Test Method	Day			Night		
		L Max	L Min	Avg	L Max	L Min	Avg
Package-7 At site 337+912	IS-9989	81.70	61.37	71.54	71.20	52.00	61.60

### Noise (Ambient Standard)

Area Code	Category of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

- Note:
- Day time shall mean from 6.00 a.m. to 10.00 p.m.
  - Night time shall mean from 10.00 p.m. to 6.00 a.m.
  - Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
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\*\*END OF REPORT\*\*

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### TEST REPORT

Format No-7.8F-01

ULR/Report No TC-63942300000739F	Sample code SMPL/DWQ/739/2023	Report issue date 21/10/2023
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#### SAMPLING DETAILS

1.	Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)	
2.	Sampling Location:	Package-7 At site CH324+000 Near Accommodation	
3.	Type of Sample:	Ground Water	
4.	Date of sampling: 09/10/2023	Sampling Timing:	11:27 AM
5.	Sample collected by:	SRLPL Team	
6.	Method of Sampling:	SRL/OR/SP/01	
7.	Packing condition: Sealed	Container:	2 Liter, HDPE
8.	Laboratory Sample Receiving date:	16/10/2023	
9.	Period of Sample analysis:	16/10/2023- 21/10/2023	

#### GROUND WATER TESTING RESULT

Sr. No.	Parameters	Reference Method	Unit	Result	BIS Standard IS 10500: 2012.	
					Requirement (Acceptable limit)	Permissible limit in the absence of alternate source
1	pH	IS 3025 P,11	-	7.33	6.5 - 8.5	NR*
2	Turbidity	IS 3025 P,10	NTU	1.0	1	5
3	Electrical Conductivity	IS 3025 P,14	µmhos/cm	494	-	-
4	Total Suspended Solids	IS 3025 P,17	mg/l	7	-	-
5	Total Dissolve Solids	IS 3025 P,16	mg/l	206	500	2000
6	Total Solids	IS 3025 P,15	mg/l	213	-	-
7	Total Hardness as CaCO <sub>3</sub>	IS 3025 P,21	mg/l	118	200	600
8	Calcium as Ca	IS 3025 P,40	mg/l	72	75	200
9	Magnesium as Mg	IS 3025 P,46	mg/l	7.1	30	100
10	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 P,23	mg/l	128.5	200	600
11	Chloride as Cl <sup>-</sup>	IS 3025 P,32	mg/l	20.0	250	1000
12	Sulphate as SO <sub>4</sub>	IS 3025 P,24	mg/l	19.0	200	400
13	Nitrate as NO <sub>3</sub>	IS 3025 P,34	mg/l	6.0	45	NR*
14	Fluoride as F	IS 3025 P,60	mg/l	BDL	1	1.5
15	Residual Free Chlorine	IS 3025 P,26	mg/l	NT	0.2	1
16	Iron as Fe	IS 3025 P,53	mg/l	BDL	0.3	NR*
17	Sodium as Na	APHA 3500-Na, B	mg/l	21.0	-	-
18	Potassium as K	APHA 3500-K, B	mg/l	9.7	-	-

BDL\*below detection Limit NR\*=No Relaxation, NT\*\*=No Traceable.

\*\*\*END OF REPORT\*\*\*

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### TEST REPORT

Format No- 7,8F-01

ULR/Report No TC-63942300000740F	Sample code SMPL/SWQ/740/2023	Report issue date 21/10/2023
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### SAMPLING DETAIL

1.	Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)		
2.	Sampling Location:	Package-7 At site CH329+037 at Canal		
3.	Type of Sample :	Surface Water		
4.	Date of sampling :	09/10/2023	Sampling Timing:	16:10 PM
5.	Sample collected by:	SRLPL Team		
6.	Method of Sampling :	SRL/QR/SP/01		
7.	Packing condition:	Scaled	Container:	2 Liter, HDPE
8.	Laboratory Sample Receiving date:	16/10/2023		
9.	Period of Sample analysis:	16/10/2023-21/10/2023		

### SURFACE WATER TESTING RESULT

Sr. No.	Parameters	Reference Method	Unit	Result	Standard As per ISI-IS: 2296-1982				
					A	B	C	D	E
1	pH	IS 3025 P,11	-	7.72	8.5	8.5	8.5	8.5	8.5
2	Turbidity	IS 3025 P,10	NTU	14	-	-	-	-	-
3	Electrical Conductivity	IS 3025 P,14	umhos/cm	544	-	-	-	1000	2250
4	Total Suspended Solids	IS 3025 P,17	mg/l	27.8	-	-	-	-	-
5	Total Dissolve Solids	IS 3025 P,16	mg/l	267	500	-	1500	-	2100
6	Total Solids	IS 3025 P,15	mg/l	294.8	-	-	-	-	-
7	Total Hardness as CaCO <sub>3</sub>	IS 3025 P,21	mg/l	156	300	-	-	-	-
8	Calcium as Ca	IS 3025 P,40	mg/l	46.49	80.1	-	-	-	-
9	Magnesium as Mg	IS 3025 P,46	mg/l	9.67	24.28	-	-	-	-
10	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 P,23	mg/l	202	-	-	-	-	-
11	Chloride as Cl	IS 3025 P,32	mg/l	21.99	250	-	600	-	600
12	Sulphate as SO <sub>4</sub>	IS 3025 P,24	mg/l	15.3	400	-	400	-	1000
13	Nitrate as NO <sub>3</sub>	IS 3025 P,34	mg/l	12.39	20	-	50	-	-
14	Fluoride as F	IS 3025 P,60	mg/l	0.51	1.5	1.5	1.5	-	-
15	Iron as Fe	IS 3025 P,53	mg/l	0.1	0.3	-	50	-	-
16	Biochemical Oxygen Demand	IS 3025 P,44	mg/l	44	2	3	3	-	-
17	Chemical Oxygen Demand	IS 3025 P,58	mg/l	260	-	-	-	-	-
18	Dissolve Oxygen	IS 3025 P,44	mg/l	5.2	6	5	4	4	-
19	Oil & Grease	IS 3025 P,39	mg/l	1.2	-	-	0.1	0.1	-

BDL \*below detection Limit NR\*\*=No Relaxation, NT\*\*=No Traceable.

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### TEST REPORT

Format No- 7.8F-01

<b>Report No</b>	<b>Sample code</b>	<b>Report issue date</b>
TC-639423000000741F	SMPL/SQ/741/2023	21/10/2023

### SAMPLING DETAIL

1	Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)		
2	Sampling Location:	Package-7 At site CH324+000 workshop		
3	Type of Sample:	Soil		
4	Date of sampling:	07/10/2023	Sampling Timing:	13:45 PM
5	Sample collected by:	SRLPL Team		
6	Method of Sampling:	SRL/QR/SP/01		
7	Packing condition:	Sealed	Container:	2 kg/PP Bag
8	Laboratory Sample Receiving date:	16/10/2023		
9	Period of Sample analysis:	16/10/2023-21/10/2023		
10	Humidity (%)	45	Ambient Temperature(°C)	30

### SOIL TESTING RESULT

S. No.	Parameters	Unit	Test Method	Result
1.	pH	-	IS:2720(PART-26):2011	7.69
2.	Conductivity	µmhos/cm	IS:14767 2000: 2016	0.036
3.	Moisture content	%	IS:2720(PART 2):2015	12.05
4.	Organic Matter	%	IS:2720(PART 22):2015	2.02
5.	Water Holding Capacity	%	USDA Method	45.53

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## TEST REPORT

Format No-7.8F-01

<b>Report No</b>	<b>Sample code</b>	<b>Report issue date</b>
RPT/2300451	SMPL/SQ/741/2023	21/10/2023

### SAMPLING DETAIL

1	Name and Address of Customer:	M/s Patel Infrastructure Ltd. Ganga Express Way Project (Plant-1130)	
2	Sampling Location:	Package-7 At site CH324+000 workshop	
3	Type of Sample:	Soil	
4	Date of sampling: 07/10/2023	Sampling Timing:	13:51 PM
5	Sample collected by:	SRLPL Team	
6	Method of Sampling:	SRL/QR/SP/01	
7	Packing condition: Sealed	Container:	2 kg/PP Bag
8	Laboratory Sample Receiving date:	16/10/2023	
9	Period of Sample analysis:	16/10/2023-21/10/2023	
10	Humidity (%)	45	Ambient Temperature(°C)
			30

### SOIL TESTING RESULT

S. No.	Parameters	Unit	Result
1.	Soil Texture	-	Sandy Loam
2.	Magnesium	mg/kg	99.35
3.	Sodium	mg/kg	83.70
4.	Total Organic Carbon	mg/kg	1.17
5.	Bulk Density	g/cm <sup>3</sup>	2.41
6.	Chloride	mg/kg	15.99
7.	Iron	mg/kg	17.5
8.	Copper	mg/kg	0.16
9.	Lead	mg/kg	1.29
10.	Mercury	mg/kg	BDL*
11.	Zinc	mg/kg	1.9
12.	Total Phosphorus	mg/kg	NT**
13.	Cadmium	mg/kg	NT**
14.	Arsenic	mg/kg	NT**
15.	Hexavalent Chromium	mg/kg	1.5
16.	Nickel	mg/kg	NT**
17.	Molybdenum	mg/kg	NT**
18.	Selenium	mg/kg	NT**

BDL\*below detection Limit NR\*-No Relaxation, NT\*\*--No Traceable

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LUCKNOW  
Naraj Singh  
(Authorized Signatory)