

An Approved Laboratory From MoEF - CC & Uttar Pradesh Pollution Control Board (An ISO 14001:2015, ISO 9001-2015 and ISO 45001:2018 Certified Organization) Address: 12, Vishnupuri, Church Road, Aliganj, Lucknow-226024 E-mail: prakriti md@rediffmail.com Tel: 0522-4002545, Mobile: 09415518818, GSTIN :- 09AAJFP5925G1ZY

ULR-T	ULR- TC82412300001283 Test Report for Ambient Air Quality									
<b>Report</b>	No.				Reference No.			<b>Issue Date</b>		
PCS/AA	Q/01/2023			P	CS/L&T/04/2023			21/08/2023		
1. Name	e of Industry &	M/s Larsen and	Foubro L	.im	nited, Camp Office at K	M-1	8, Khasra N	No.37,Hapur-		
Addre	ess	Kithaur Road, Opp. Jai Doon Public School, Atola, Dist. M					Meerut,24	5206 UP		
2.Type of	2.Type of Industry : Construction			7.	.Method of Sampling:	PC	S/WI/SAMI	P/20		
3.Sampl	3.Sampling Location: Camp-1 Concrete		e Plant	8.	.Date of Monitoring :	08/	/08/2023-12/	08/2023		
		120, Vill Atola								
	oring done by:	Mr. Vipin & Mr. S	Sunil		.Sample Receipt in Lab:	12/	/08/2023			
	ner Condition :	Clear Sky			0.Date of Analysis:		/08/2023-16			
6.Lab Co	ode:	PCS23/77/941		1	1.Sample Analyzed By:	Mı	. Rohit Yada	ıv		
Sl. No.	Parameters		Unit		Method of Measuremen	nt	Result	Standards*		
1	<b>Particulate Mat</b>	ter (PM 10)	$(\mu g/m^3)$	)	IS: 5182 Part (23):2006		88.9	100		
2	Particulate Matter (PM 2.5)		$(\mu g/m^3)$ IS: 5182 (Part-24) :2019		IS: 5182 (Part-24) :2019		49.1	60		
3	Sulphur Dioxide	e (SO <sub>2</sub> )	$(\mu g/m^3)$ IS : 5182 (Part-2):2006			16.2	80			
4	Nitrogen Dioxid	le (NO <sub>2</sub> )	$(\mu g/m^3)$	)	IS: 5182 (Part 6):2006		29.4	80		

\*NAAQS CPCB Notification, dated 18.11.2009

Note:

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3. The report shall not be used for any other purpose than declared by the Sponsor

4. Prakriti Consultants Services is not regulatory agency hence no part of this report should be used for legal purpose under any circumstances.

5. No deviation as per the Standard Method.

**Authorized Signatory** 

(Dr. Divya Misra) **Managing Director** 

"End of this Test Report"

Page 1 of 1



An Approved Laboratory From MoEF - CC & Uttar Pradesh Pollution Control Board (An ISO 14001:2015, ISO 9001-2015 and ISO 45001:2018 Certified Organization) Address: 12, Vishnupuri, Church Road, Aliganj, Lucknow-226024 E-mail: prakriti\_md@rediffmail.com Tel: 0522- 4002545, Mobile: 09415518818, GSTIN :- 09AAJFP5925G1ZY

ULR- TC82412300000	-	ort for A	Amb	ient Air Quality		TCASE
Report No.			Ref	erence No.		Issue Date
PCS/AAQ/02/2023		F	PCS/I	L&T/04/2023		21/08/2023
1. Name of Industry &	M/s Larsen and To	ubro Limite	ed, Ca	amp Office at KM-18, Kha	sra No.37,H	lapur-Kithaur
Address	Address Road, Opp.jai Door			Atola, Dist. Meerut, 245206	5 Uttar Prad	esh
2.Type of Industry :	Type of Industry : Construction			7.Method of Sampling:	PCS/WI/S	SAMP/20
3.Sampling Location:	Camp-1 Office Ar	rea, VillAtola 8.Date of Monitoring :			08/08/2023-12/08/2023	
4. Monitoring done by:	Mr. Vipin & Mr.Su				12/08/2023	
5. Weather Condition :	Clear Sky			10.Date of Analysis:	12/08/2023-16/08/2023	
6.Lab Code:	PCS23/77/940			11.Sample Analyzed By:	Mr. Rohi	t Yadav
Sl. No. Parameters	·	Unit	Me	thod of Measurement	Result	Standards*
1 Particulate M	latter (PM 10)	$(\mu g/m^3)$	IS:	5182 Part (23):2006	90.5	100
2 Particulate M	Particulate Matter (PM 2.5)		/m <sup>3</sup> ) IS 5182 (Part-24) :2019		47.2	60
3 Sulphur Diox	<b>3</b> Sulphur Dioxide (SO <sub>2</sub> )			5182 (Part-2):2006	12.5	80
4 Nitrogen Die	oxide (NO <sub>2</sub> )	$(\mu g/m^3)$	IS:	5182 (Part 6):2006	24.9	80

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(Dr. Divya Misra) Managing Director

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ULR- T	ULR- TC82412300001285 Test Report for Ambient Air Quality									
Report	t No.		Re	ference No.		<b>Issue Date</b>				
PCS/A	AQ/03/2023		PCS	/L&T/04/2023		21/08/2023				
1. Name Addr	e of Industry & ess			ed, Camp Office at KM-18, K Public School, Atola, Dist. Me						
2.Type	2.Type of Industry : Construction			7.Method of Sampling:	PCS/WI/	SAMP/20				
3.Samp	ling Location:	Camp-1 WMM P	lant, Vill	8.Date of Monitoring :	08/08/20	23-12/08/2023				
		Atola								
	toring done by:	Mr. Vipin & Mr. S			12/08/2023					
5. Weat	her Condition :	Clear Sky		10.Date of Analysis:	12/08/202	23-16/08/2023				
6.Lab C	lode:	PCS23/77/942		11.Sample Analyzed By:	Mr. Rohi	t Yadav				
Sl.No.	Parameters		Unit	Method of Measurement	Result	Standards*				
1	Particulate Matt	ter (PM 10)	$(\mu g/m^3)$	IS: 5182 Part (23):2006	94.1	100				
2	Particulate Mat	ter (PM <sub>2.5</sub> )	$(\mu g/m^3)$	IS 5182 (Part-24) :2019	54.8	60				
3	Sulphur Dioxide	e (SO <sub>2</sub> )	$(\mu g/m^3)$	IS: 5182 (Part-2):2006	16.1	80				
4	Nitrogen Dioxid	le (NO <sub>2</sub> )	$(\mu g/m^3)$	IS: 5182 (Part 6):2006	28.4	80				

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ULR- TO	ULR- TC82412300001286 Test Report for Ambient Air Quality										
Report 1	No.			Reference No.		Issue Date					
PCS/AA	Q/4/2023		P	CS/L&T/04/2023		21/08/2023					
1. Name	of Industry &	M/s Larsen and T	'oubro Lim	nited, Camp Office at KM-18,	Khasra No.3'	7,Hapur-					
Addre	SS	Kithaur Road, Op	p. Jai Doo	n Public School, Atola, Dist. I	Meerut, 2452	06 UP					
2.Type of Industry : Construction				7.Method of Sampling:	PCS/WI/SA	MP/20					
3.Sampli	ing Location:	CH-17+727 MJI	3 Atrada	8.Date of Monitoring :	ing : 08/08/2023-12/08/2023						
4. Monit	oring done by:	Mr. Vipin & Mr.	Sunil	9.Sample Receipt in Lab:	: 12/08/2023						
5. Weath	her Condition :	Clear Sky		10.Date of Analysis:	12/08/2023-	- 16/08/2023					
6.Lab Co	ode:	PCS23/77/943		11.Sample Analyzed By:	Mr. Rohit Y	adav					
Sl. No.	Parameters		Unit	Method of Measurement	Result	Standards*					
1	Particulate Ma	tter (PM <sub>10</sub> )	$(\mu g/m^3)$	IS: 5182 Part (23):2006	88.5	100					
2	Particulate Matter (PM 2.5)		$(\mu g/m^3)$	IS 5182 (Part-24) :2019	43.2	60					
3	Sulphur Dioxid	$e(SO_2)$	$(\mu g/m^3)$	IS: 5182 (Part-2):2006	12.1	80					
4	Nitrogen Dioxi	de (NO <sub>2</sub> )	$(\mu g/m^3)$	IS: 5182 (Part 6):2006	27.5	80					

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(Dr. Divya Misra) **Managing Director** 

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ULR- TC82412300001287 Test Report for Ambient Air Quality									
Report No.			Reference No.		Issue Date				
PCS/AAQ/05/2023		P	PCS/L&T/04/2023		21/08/2023				
1. Name of Industry &	M/s Larsen and	l Toubro Lin	nited, Camp Office at KM-18,	Khasra No	.37,Hapur-				
Address	Address Kithaur Road, Opp.jai Doon Public School, Atola, Dist. Meerut, 245206 Uttar H								
2.Type of Industry : Construction			7.Method of Sampling:	PCS/WI/	SAMP/20				
3.Sampling Location:	3.Sampling Location: CH-19+700 Box Cul			08/08/20	23-12/08/2023				
	Atola (School)								
4. Monitoring done by:	Mr. Vipin & M	Ir. Sunil	9.Sample Receipt in Lab:	12/08/202	23				
5. Weather Condition :	Clear Sky		10.Date of Analysis:	12/08/20	23-16/08/2023				
6.Lab Code:	PCS23/77/944		11.Sample Analyzed By:	Mr. Rohi	t Yadav				
Sl. No. Parameters		Unit	Method of Measurement	Result	Standards*				
1 Particulate Mat	ter (PM 10)	$(\mu g/m^3)$	IS: 5182 Part (23):2006	89.4	100				
2 Particulate Mat	2 Particulate Matter (PM <sub>2.5</sub> )		IS 5182 (Part-24) :2019	46.2	60				
3 Sulphur Dioxide	( <b>SO</b> <sub>2</sub> )	$(\mu g/m^3)$	IS: 5182 (Part-2):2006	17.5	80				
4 Nitrogen Dioxid	le (NO <sub>2</sub> )	$(\mu g/m^3)$	IS: 5182 (Part 6):2006	26.1	80				

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5. No deviation as per the Standard Method.

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(Dr. Divya Misra) Managing Director

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ULR-TC824123000001288

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#### **Test Report for Ambient Air Quality**



				TC-4240		
	R	eference No.		<b>Issue Date</b>		
	PCS	S/L&T/04/2023		21/08/2023		
M/s Larsen and Toul	oro Limite	ed, Camp Office at KM-18	, Khasra No.3	7,Hapur-Kithaur		
Road, Opp.jai Doon	Public Sc	hool, Atola, Dist. Meerut, 2	45206 Uttar P	radesh		
Construction		7.Method of Sampling:	PCS/WI/	SAMP/20		
CH-19+941 FO Ato	la	8.Date of Monitoring :	08/08/202	08/08/2023-12/08/2023		
Mr. Vipin & Mr. Su	nil	1 I	: 12/08/202	23		
Clear Sky				12/08/2023-16/08/2023		
PCS23/77/945		11.Sample Analyzed By	: Mr. Rohi	t Yadav		
Unit	Metho	od of Measurement	Result	Standards*		
er (PM <sub>10</sub> ) $(\mu g/m^3)$	) IS: 51	82 Part (23):2006	86.2	100		
er (PM <sub>2.5</sub> ) $(\mu g/m^3)$	) IS 518	82 (Part-24) :2019	45.8	60		
3 Sulphur Dioxide (SO <sub>2</sub> ) $(\mu g/m^3)$		IS: 5182 (Part-2):2006		80		
$e(NO_2)$ (µg/m <sup>3</sup> )	) IS: 51	82 (Part 6):2006	24.7	80		
	Road, Opp.jai Doon           Construction           CH-19+941 FO Ato           Mr. Vipin & Mr. Sur           Clear Sky           PCS23/77/945           Unit           ( $\mu g/m^3$	PCSM/s Larsen and Toubro LimiteRoad, Opp.jai Doon Public ScConstructionCH-19+941 FO AtolaMr. Vipin & Mr. SunilClear SkyPCS23/77/945Er (PM 10)( $\mu$ g/m <sup>3</sup> )IS 518(SO2)( $\mu$ g/m <sup>3</sup> )IS 518	Road, Opp.jai Doon Public School, Atola,Dist. Meerut,2Construction7.Method of Sampling:CH-19+941 FO Atola8.Date of Monitoring :Mr. Vipin & Mr. Sunil9.Sample Receipt in Lab:Clear Sky10.Date of Analysis:PCS23/77/94511.Sample Analyzed ByUnitMethod of Measurementer (PM $_{10}$ )(µg/m <sup>3</sup> )IS: 5182 Part (23):2006er (PM $_{2.5}$ )(µg/m <sup>3</sup> )IS: 5182 (Part-24) :2019(SO2)(µg/m <sup>3</sup> )	PCS/L&T/04/2023M/s Larsen and Toubro Limited, Camp Office at KM-18, Khasra No.3Road, Opp.jai Doon Public School, Atola,Dist. Meerut,245206 Uttar PConstruction7.Method of Sampling:CH-19+941 FO Atola8.Date of Monitoring :08/08/202Mr. Vipin & Mr. Sunil9.Sample Receipt in Lab:12/08/202Clear Sky10.Date of Analysis:PCS23/77/94511.Sample Analyzed By:Mr. Rohier (PM 10)(µg/m <sup>3</sup> )IS: 5182 (Part-24) :201945.8(SO2)(µg/m <sup>3</sup> )IS: 5182 (Part-22):200615.1		

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5. No deviation as per the Standard Method.

**Authorized Signatory** 

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An Approved Laboratory From MoEF - CC & Uttar Pradesh Pollution Control Board (An ISO 14001:2015, ISO 9001-2015 and ISO 45001:2018 Certified Organization) Address: 12, Vishnupuri, Church Road, Aliganj, Lucknow-226024 E-mail: prakriti\_md@rediffmail.com Tel: 0522- 4002545, Mobile: 09415518818, GSTIN :- 09AAJFP5925G1ZY

ULR- T	ULR- TC824123000001289 Test Report for Ambient Air Quality									
Report	No.		]	Reference No.			Issue Date			
PCS/AA	AQ/07/2023		PC	CS/L&T/04/2023			21/08/2023			
1. Name Addre	of Industry &			mited,Camp Office at KM-1 on Public School,Atola,Dist.						
2.Type of	pe of Industry : Construction			7.Method of Sampling:	PC	S/WI/SAM	IP/20			
3.Sampl	ing Location:	CH-23+378 LV	/UP Loti	<b>U</b>		08/2023-12	2/08/2023			
4. Monit	oring done by:	Mr. Vipin & M	r. Sunil	9.Sample Receipt in Lab: 12/08/2023		08/2023				
5. Weath	ner Condition :	Clear Sky		10.Date of Analysis:	12/	08/2023-1	08/2023-16/08/2023			
6.Lab Co	ode:	PCS23/77/946		11.Sample Analyzed By:	Mr	. Rohit Yac	lav			
Sl. No.	Parameters		Unit	Method of Measuremen	nt	Result	Standards*			
1	Particulate Ma	tter (PM 10)	$(\mu g/m^3)$	IS: 5182 Part (23):2006		93.1	100			
2	Particulate Matter (PM 2.5)		$(\mu g/m^3)$	IS 5182 (Part-24) :2019		47.8	60			
3	Sulphur Dioxic	le (SO <sub>2</sub> )	$(\mu g/m^3)$	IS: 5182 (Part-2):2006		16.0	80			
4	Nitrogen Diox	ide (NO <sub>2</sub> )	$(\mu g/m^3)$	IS: 5182 (Part 6):2006		26.5	80			

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5. No deviation as per the Standard Method.

**Authorized Signatory** 

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(Dr. Divya Misra) Managing Director

"End of this Test Report"

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ULR-TC824123000001290

# Prakriti Consultants Services

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#### **Test Report for Ambient Air Quality**



				TC-4241			
		<b>Reference No.</b>		Issue Date			
		PCS/L&T/04/2023		21/08/2023			
M/s Larsen	M/s Larsen and Toubro Limited, Camp Office at KM-18, Khasra No.37, Hapur-						
Kithaur Road, Opp.jai Doon Public School, Atola, Dist. Meerut, 245206 Uttar Prades							
Type of Industry : Construction		7.Method of Sampling:	PCS/WI/SAN	MP/20			
3.Sampling Location: CH-28+159		8.Date of Monitoring :	B.Date of Monitoring : 08/08/2023-12/0				
Madhavpu	r						
Mr. Vipin &	z Mr. Sunil	9.Sample Receipt in Lab:	12/08/2023				
Clear Sky		10.Date of Analysis:	12/08/2023-	16/08/2023			
PCS23/77/9	47	11.Sample Analyzed By:	Mr. Rohit Ya	ıdav			
	Unit	Method of Measurement	Result	Standards*			
atter (PM 10)	$(\mu g/m^3)$	IS: 5182 Part (23):2006	85.2	100			
Particulate Matter (PM 2.5) (µg/n		IS 5182 (Part-24) :2019	46.7	60			
de (SO <sub>2</sub> )	$(\mu g/m^3)$	IS: 5182 (Part-2):2006	13.1	80			
xide (NO <sub>2</sub> )	$(\mu g/m^3)$	IS: 5182 (Part 6):2006	20.7	80			
[ i	Kithaur Roa Construction CH-28+159 Madhavpur Mr. Vipin & Clear Sky PCS23/77/9	Kithaur Road, Opp.jai IConstructionCH-28+159 LVUPMadhavpurMr. Vipin & Mr. SunilClear SkyPCS23/77/947Unit(atter (PM $_{10}$ ) (µg/m <sup>3</sup> )(atter (PM $_{2.5}$ ) (µg/m <sup>3</sup> )ide (SO2)	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $			

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ULR- TO	ULR- TC82412300001291 Test Report for Ambient Air Quality									
Report	No.			Reference No.			<b>Issue Date</b>			
PCS/AA	Q/09/2023		P	CS/L&T/04/2023			21/08/2023			
1. Name	of Industry &	ndustry & M/s Larsen and Toubro Limited, Camp Office at KM-18, Khasra No.37, Hapur-Kitha								
Addre	SS	Road, Opp.jai Doon Public School, Atola, Dist. Meerut, 245206 Uttar Pradesh								
2.Type o	2.Type of Industry : Construction			7.Method of Sampling:	PCS	S/WI/SAMP/	/20			
3.Sampli	3.Sampling Location: Camp-2 Office		e Area	Area 8.Date of Monitoring : 08/		08/2023-12/0	08/2023			
		Thera								
4. Monit	oring done by:	Mr. Vipin & M	lr. Sunil	r. Sunil 9.Sample Receipt in Lab: 1		12/08/2023				
5. Weath	er Condition :	Clear Sky		10.Date of Analysis:	12/0	08/2023-16/	08/2023			
6.Lab Co	ode:	PCS23/77/948		11.Sample Analyzed By:	Mr.	Rohit Yaday	ladav			
Sl. No.	Parameters		Unit	Method of Measureme	nt	Result	Standards*			
1	Particulate Ma	tter (PM <sub>10</sub> )	$(\mu g/m^3)$	IS: 5182 Part (23):2006		92.6	100			
2	Particulate Matter (PM 2.5)		$(\mu g/m^3)$	IS 5182 (Part-24) :2019		44.2	60			
3	Sulphur Dioxid	le (SO <sub>2</sub> )	$(\mu g/m^3)$	IS: 5182 (Part-2):2006		15.8	80			
4	Nitrogen Dioxi	de (NO <sub>2</sub> )	$(\mu g/m^3)$	IS: 5182 (Part 6):2006		23.4	80			

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ULR- TC824	ULR- TC82412300001292 Test Report for Ambient Air Quality										
<b>Report No.</b>				Ref	erence No.			Issue Date			
PCS/AAQ/1	0/2023			PCS/I	L&T/04/2023			21/08/2023			
1. Name of In	ndustry &	M/s Larsen	and Toubro	o Limite	d,Camp Office at KM-18	8, Kh	asra N	No.37,Hapur-Kithaur			
Address		Road, Opp.jai Doon Public School, Atola, Dist. Meerut, 245206 Uttar Pradesh						ar Pradesh			
	2.Type of Industry : Construction				7.Method of Sampling:			/WI/SAMP/20			
3.Sampling L	3.Sampling Location: Camp-2 Co			oncrete Plant 120 8.Date of Monitoring :			08/0	8/2023-12/08/2023			
		Thera									
4. Monitoring		Mr. Vipin d	& Mr. Sunil 9.Sample Receipt in Lab			b: 12/08/2023					
5. Weather C	ondition :	Clear Sky			10.Date of Analysis:			8/2023-16/08/2023			
6.Lab Code:		PCS23/77/	949		11.Sample Analyzed B	y:	Mr.	Rohit Yadav			
Sl.No. Para	ameters		Unit	Metho	d of Measurement	Re	sult	Standards*			
1 Part	ticulate Matt	er (PM 10)	$(\mu g/m^3)$	IS: 518	32 Part (23):2006	88	8.8	100			
	ticulate Matt		) $(\mu g/m^3)$ IS 518		2 (Part-24) :2019	- 46	5.1	60			
3 Sulp	ohur Dioxide	(SO <sub>2</sub> )	$(\mu g/m^3)$	IS : 51	82 (Part-2):2006		5.0	80			
	ogen Dioxid	· =/	$(\mu g/m^3)$	IS: 518	82 (Part 6):2006	24	4.5	80			

\*NAAQS CPCB Notification, dated 18.11.2009

Note:

1. The results in the Test Report relate only to the items tested.

2. The report shall not be reproduced-except in full, without the written permission of laboratory.

3. The report shall not be used for any other purpose than declared by the Sponsor

4. Prakriti Consultants Services is not regulatory agency hence no part of this report should be used for legal purpose under any circumstances.

5. No deviation as per the Standard Method.

**Authorized Signatory** 

(Dr. Divya Misra) **Managing Director** 

"End of this Test Report"

Page 1 of 1



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ULR- TO	ULR- TC824123000001293 Test Report for Ambient Air Quality									
Report	No.			Re	ference No.		Issue Date			
PCS/AA	AQ/11/2023			PCS/	'L&T/04/2023		21/08/2023			
1. Name	of Industry &	M/s Larsen a	and Toubro	) Limite	ed,Camp Office at KM-18	8, Khası	a No.37,Hapur-Kithaur			
Addre	SS	Road, Opp.ja	ai Doon Pu	ublic Sci	hool, Atola, Dist. Meerut, 2	245206	Uttar Pradesh			
2.Type c	f Industry :	Industry : Construction			7.Method of Sampling:	Р	CS/WI/SAMP/20			
3.Sampl	ng Location:	Camp-2 HN	<b>IP Plant</b> 1	<b>IP Plant Thera</b> 8.Date of Monitoring :		0	8/08/2023-12/08/2023			
4. Monit	oring done by:	Mr. Vipin &	Mr. Sunil 9.Sample Receipt in Lab		b: 12/08/2023					
5. Weath	er Condition :	Clear Sky			10.Date of Analysis:	12	2/08/2023-16/08/2023			
6.Lab Co	ode:	PCS23/77/9	50		11.Sample Analyzed B	y: N	Ir. Rohit Yadav			
Sl. No.	Parameters		Unit	Metho	od of Measurement	Resul	t Standards*			
1	Particulate Mat	tter (PM <sub>10</sub> )	$(\mu g/m^3)$	IS: 51	82 Part (23):2006	96.4	100			
2	Particulate Mat			IS 518	32 (Part-24) :2019	44.9	60			
3	Sulphur Dioxid			IS : 51	5182 (Part-2):2006		80			
4	Nitrogen Dioxi	de (NO <sub>2</sub> )	$(\mu g/m^3)$	IS: 51	82 (Part 6):2006	29.1	80			

\*NAAQS CPCB Notification, dated 18.11.2009

Note:

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3. The report shall not be used for any other purpose than declared by the Sponsor

4. Prakriti Consultants Services is not regulatory agency hence no part of this report should be used for legal purpose under any circumstances.

5. No deviation as per the Standard Method.

**Authorized Signatory** 

parte

(Dr. Divya Misra) **Managing Director** 

"End of this Test Report"

Page 1 of 1



ULR-TC824123000001294

# Prakriti Consultants Services

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#### Test Report for Ambient Air Quality



						TC-8241	
Report	No.			Reference No.		<b>Issue Date</b>	
PCS/AA	AQ/12/2023		]	PCS/L&T/04/2023		21/08/2023	
1. Name	of Industry &	M/s Larsen a	nd Toubro L	limited, Camp Office at KM-18	, Khasra No.	37,Hapur-	
Addre	SS	Kithaur Road	l, Opp.jai Do	oon Public School, Atola, Dist. N	Aeerut,24520	6 Uttar Pradesh	
2.Type o	2.Type of Industry : Construction		7.Method of Sampling:	PCS/WI/SA	AMP/20		
3.Sampli	3.Sampling Location: Camp-3 Offi		ïce Area	8.Date of Monitoring :	08/08/2023	-12/08/2023	
	Vill-Piploti						
4. Monit	oring done by:	Mr. Vipin &	<b>A A</b>		12/08/2023		
5. Weath	er Condition :	Clear Sky		10.Date of Analysis: 12/08/		- 16/08/2023	
6.Lab Co	ode:	PCS23/77/95	51	11.Sample Analyzed By:	Mr. Rohit Yadav		
Sl. No.	Parameters		Unit	Method of Measurement	Result	Standards*	
1	Particulate Ma	tter (PM 10)	$(\mu g/m^3)$	IS: 5182 Part (23):2006	88.4	100	
2	Particulate Matter (PM 2.5)		$(\mu g/m^3)$	IS 5182 (Part-24) :2019	46.9	60	
3	Sulphur Dioxide (SO <sub>2</sub> )		$(\mu g/m^3)$	IS: 5182 (Part-2):2006	16.2	80	
4	Nitrogen Dioxi	ide (NO <sub>2</sub> )	$(\mu g/m^3)$	IS: 5182 (Part 6):2006	25.8	80	

\*NAAQS CPCB Notification, dated 18.11.2009

Note:

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5. No deviation as per the Standard Method.

**Authorized Signatory** 

(Dr. Divya Misra) Managing Director

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ULR- TC	ULR- TC82412300001295 Test Report for Ambient Air Quality								
Report N	No.			Re	ference No.		Issue Date		
PCS/AA	Q/13/2023		PCS/L&T/04/2023				21/08/2023		
1. Name of Addres	of Industry & s	M/s Larsen and Toubro Limited, Camp Office at KM-18, K Road, Opp.jai Doon Public School, Atola, Dist. Meerut, 245							
2.Type of	2.Type of Industry : Construction			7.Method of Sampling:		PCS/WI/SAMP/20			
3.Samplin	ng Location:	Camp-3 Conci	rete Plant	ete Plant 65 8.Date of Monitoring :		08/08/202	3-12/08/2023		
		Vill-Piploti							
4. Monito	ring done by:	Mr. Vipin & M	r. Sunil	r. Sunil 9.Sample Receipt in Lab		12/08/2023			
5. Weathe	er Condition :	Clear Sky			10.Date of Analysis:	12/08/2023	3-16/08/2023		
6.Lab Co	de:	PCS23/77/952			11.Sample Analyzed By:	Mr. Rohit	Yadav		
Sl. No.	Parameters		Unit	Me	ethod of Measurement	Result	Standards*		
1	Particulate Ma	atter (PM 10)	$(\mu g/m^3)$	IS:	5182 Part (23):2006	86.7	100		
2	Particulate Ma	atter (PM 2.5)	$(\mu g/m^3)$	IS 5182 (Part-24) :2019		46.4	60		
3	Sulphur Dioxi	de (SO <sub>2</sub> )	$(\mu g/m^3)$	IS: 5182 (Part-2):2006		16.8	80		
4	Nitrogen Diox	tide (NO <sub>2</sub> )	$(\mu g/m^3)$	IS:	5182 (Part 6):2006	27.2	80		

\*NAAQS CPCB Notification, dated 18.11.2009

Note:

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4. Prakriti Consultants Services is not regulatory agency hence no part of this report should be used for legal purpose under any circumstances.

5. No deviation as per the Standard Method.

**Authorized Signatory** 

(Dr. Divya Misra) **Managing Director** 

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Page 1 of 1



ULR-TC824123000001296

# Prakriti Consultants Services

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#### **Test Report for Ambient Air Quality**



					TC-8241
		ŀ	Reference No.		<b>Issue Date</b>
		PC	S/L&T/04/2023		21/08/2023
M/s Larsen and	d Toubro L	imited	d, Camp Office at KM-18, Kl	nasra No.37,F	lapur-Kithaur
Road, Opp.jai	Doon Publi	ic Sch	ool, Atola, Dist. Meerut, 24520	06 Uttar Prade	esh
2.Type of Industry : Construction			7.Method of Sampling:	PCS/WI/SA	AMP/20
3.Sampling Location: Camp-3 PC Y		ard Vill- 8.Date of Monitoring :		08/08/2023-12/08/2023	
Piploti					
Mr. Vipin & N	1 1		12/08/2023		
Clear Sky	10.Date of Analysis:		12/08/2023-16/08/2023		
PCS23/77/953	5		11.Sample Analyzed By:	Mr. Rohit Yadav	
	Unit	Met	hod of Measurement	Result	Standards*
er (PM 10)	$(\mu g/m^3)$	IS: 5	5182 Part (23):2006	96.2	100
Particulate Matter (PM 2.5) (µg/r		IS 5	182 (Part-24) :2019	54.6	60
3 Sulphur Dioxide (SO <sub>2</sub> )			5182 (Part-2):2006	15.1	80
4 Nitrogen Dioxide (NO <sub>2</sub> )			5182 (Part 6):2006	28.6	80
	Road, Opp.jai Construction <b>Camp-3 PC Y</b> <b>Piploti</b> Mr. Vipin & N Clear Sky PCS23/77/953 <b>ter (PM 10)</b> <b>ter (PM 10)</b> <b>ter (PM 2.5)</b>	Road, Opp.jai Doon Publ           Construction           Camp-3 PC Yard Vill-           Piploti         Mr. Sunil           Clear Sky         PCS23/77/953           Unit           ter (PM 10)           (µg/m³)         (µg/m³)           ter (PM 2.5)         (µg/m³)           (SO2)         (µg/m³)	PCM/s Larsen and Toubro Limited Road, Opp.jai Doon Public SchConstructionCamp-3 PC Yard Vill- PiplotiMr. Vipin & Mr. Sunil Clear Sky PCS23/77/953UnitMet ter (PM 10)( $\mu$ g/m <sup>3</sup> )IS 5 ( $(\mathbf{SO}_2)$ )( $\mu$ g/m <sup>3</sup> )IS 5	Road, Opp.jai Doon Public School, Atola, Dist. Meerut, 24520Construction7. Method of Sampling: 8. Date of Monitoring :Camp-3 PC Yard Vill- Piploti8. Date of Monitoring :Mr. Vipin & Mr. Sunil Clear Sky9. Sample Receipt in Lab: 10. Date of Analysis: 11. Sample Analyzed By:UnitMethod of MeasurementCer (PM $_{10}$ )( $\mu$ g/m^3)IS: 5182 (Part-24) :2019(SO2)( $\mu$ g/m^3)IS : 5182 (Part-2):2006	PCS/L&T/04/2023M/s Larsen and Toubro Limited, Camp Office at KM-18, Khasra No.37, HRoad, Opp.jai Doon Public School, Atola, Dist. Meerut, 245206 Uttar PradeConstruction7. Method of Sampling:Camp-3 PC Yard Vill-8. Date of Monitoring :Piploti9. Sample Receipt in Lab:Mr. Vipin & Mr. Sunil9. Sample Receipt in Lab:Clear Sky10. Date of Analysis:PCS23/77/95311. Sample Analyzed By:Mr. Rohit YLinitMethod of MeasurementResultcer (PM 10)( $\mu$ g/m <sup>3</sup> )IS 5182 (Part-24) :201954.6(SO2)( $\mu$ g/m <sup>3</sup> )IS : 5182 (Part-2):200615.1

\*NAAQS CPCB Notification, dated 18.11.2009

Note:

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4. Prakriti Consultants Services is not regulatory agency hence no part of this report should be used for legal purpose under any circumstances.

5. No deviation as per the Standard Method.

**Authorized Signatory** 

(Dr. Divya Misra) Managing Director

"End of this Test Report"

Page 1 of 1



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#### **Test Report for Ambient Air Quality** ULR-TC824123000001297 **Reference No. Report No. Issue Date** PCS/AAQ/15/2023 PCS/L&T/04/2023 21/08/2023 1. Name of Industry & M/s Larsen and Toubro Limited, Camp Office at KM-18, Khasra No.37, Hapur-Kithaur Road, Opp.jai Doon Public School, Atola, Dist. Meerut, 245206 Uttar Pradesh Address 2. Type of Industry : Construction 7.Method of Sampling: PCS/WI/SAMP/20 **3.Sampling Location:** CH: 62+000 LVUP, Vill.-8.Date of Monitoring : 08/08/2023-12/08/2023 Alamnagar (School) 4. Monitoring done by: Mr. Vipin & Mr. Sunil 9.Sample Receipt in Lab: 12/08/2023 5. Weather Condition : Clear Sky 10.Date of Analysis: 12/08/2023-16/08/2023 6.Lab Code: PCS23/77/954 11.Sample Analyzed By: Mr. Rohit Yadav Sl. No. **Method of Measurement** Standards\* **Parameters** Unit Result Particulate Matter (PM 10) IS: 5182 Part (23):2006 87.4 100 $(\mu g/m^3)$ 1 2 Particulate Matter (PM 2.5) $(\mu g/m^3)$ IS 5182 (Part-24) :2019 46.2 60 3 Sulphur Dioxide (SO<sub>2</sub>) IS: 5182 (Part-2):2006 18.9 80 $(\mu g/m^3)$

\*NAAQS CPCB Notification, dated 18.11.2009

4

Note:

1. The results in the Test Report relate only to the items tested.

Nitrogen Dioxide (NO<sub>2</sub>)

2. The report shall not be reproduced-except in full, without the written permission of laboratory.

 $(\mu g/m^3)$ 

3. The report shall not be used for any other purpose than declared by the Sponsor

4. Prakriti Consultants Services is not regulatory agency hence no part of this report should be used for legal purpose under any circumstances.

IS: 5182 (Part 6):2006

5. No deviation as per the Standard Method.

**Authorized Signatory** 

27.1

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(Dr. Divya Misra) **Managing Director** 

"End of this Test Report"

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ULR- T	ULR- TC824123000001298 Test Report for Ambient Air Quality							
Report	No.			ŀ	Reference No.			<b>Issue Date</b>
PCS/AA	AQ/16/2023			PC	S/L&T/04/2023			21/08/2023
					ed, Camp Office at KM-18 ublic School, Atola,Dist.			
2.Type of	2.Type of Industry : Construction		7.Method of Sampling:		PC	PCS/WI/SAMP/20		
3.Sampl	ing Location:	CH: 66 +850 MJB	, Vill	, Vill 8.Date of Monitoring : 08/		/08/2023-12	2/08/2023	
	oring done by: her Condition :	<b>Piploti</b> Mr. Vipin & Mr. S Clear Sky	unil	<b>1</b> 1		,	12/08/2023 12/08/2023– 16/08/2023	
6.Lab Co	ode:	PCS23/77/955			.Sample Analyzed By:		Ir. Rohit Yadav	
Sl. No.	Parameters		Unit		Method of Measureme	ent	Result	Standards*
1	Particulate M	atter (PM 10)	(µg/m	<sup>3</sup> )	IS: 5182 Part (23):2006		89.7	100
2	Particulate Matter (PM 2.5)		(µg/m	<sup>3</sup> )			47.4	60
3	Sulphur Diox	ide (SO <sub>2</sub> )	$(\mu g/m^3)$ IS : 5182 (Part-2):20		IS: 5182 (Part-2):2006		15.9	80
4	Nitrogen Dio	xide (NO <sub>2</sub> )	(µg/m	<sup>3</sup> )	IS: 5182 (Part 6):2006		25.7	80

\*NAAQS CPCB Notification, dated 18.11.2009

Note:

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3. The report shall not be used for any other purpose than declared by the Sponsor

4. Prakriti Consultants Services is not regulatory agency hence no part of this report should be used for legal purpose under any circumstances.

5. No deviation as per the Standard Method.

**Authorized Signatory** 

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(Dr. Divya Misra) **Managing Director** 

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Page 16 of 1



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#### Test Report for Ambient Noise Monitoring

ULR-TC824123000001299

				10-8240
Report	No.	Re	ference No.	Issue Date
PCS/Al	NQ/02/2023	PCS	/L&T/04/2023	21/08/2023
1. Nam	e of Industry	M/s Larsen and Toubro L	imited,Camp Office at KM-	18, Khasra No.37,Hapur-
	-	Kithaur Road, Opp.jai Do	on Public School, Atola, Dist	. Meerut,245206 UP
2.Type of Industry Construction 7		7.Method of Sampling	PCS/WI/SAMP/20	
3.Sampl	ing Location	05 Locations	8.Date of Monitoring	08/08/2023-11/08/2023
	toring done by	Mr. Vipin & Mr. Sunil	9.Sample Receipt in Lab	12/08/2023
5. Weather Condition Clear Sky 10		10.Date of Analysis	-	
		11.Sample Analyzed By	Mr. Vipin	
Reference Method: IS-9989, 1981			Noise Level leq dB(A)	Noise Level leq dB(A)
S. No.	Location		Day	Night
1	Camp-2 Concret	e Plant 120, Thera	52.1	43.1
2	CH: 49+864 MN	B, Bita(School)	51.2	42.0
3	Camp-3 Office A	Area, Piploti	52.6	41.5
4	Camp-3 Concret	e Plant 65, Piploti	50.8	42.8
5	Camp-3 PC yard	, Piploti	51.9	43.2
* Stand	ard (Ambient No	ise)		
Indust	rial area		75	70
Comm	nercial area		65	55
Reside	ential area		55	45
Silenc	e Zone		50	40

\*The Noise Pollution (Regulation and Control) Rules, 2000

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 metres 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.

\* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. A "decibel" is a unit in which noise is measured.

"A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

Leq: It is energy mean of the noise level over a specified period.

**Authorized Signatory** 

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(Dr. Divya Misra) Managing Director

"End of this Test Report"

Page 1 of 1



An Approved Laboratory From MoEF - CC & Uttar Pradesh Pollution Control Board (An ISO 14001:2015, ISO 9001-2015 and ISO 45001:2018 Certified Organization) Address: 12, Vishnupuri, Church Road, Aliganj, Lucknow-226024 E-mail: prakriti\_md@rediffmail.com Tel: 0522- 4002545, Mobile: 09415518818, GSTIN :- 09AAJFP5925G1ZY

#### Test Report for Ambient Noise Monitoring ULR- TC824123000001300



Report N	No.	R	eference No.	Issue Date			
PCS/AN	Q/01/2023	PCS	/L&T/04/2023	21/08/2023			
1. Name o	of Industry	M/s Larsen and Toubro L	imited, Camp Office at KM-	18, Khasra No.37,Hapur-			
		Kithaur Road, Opp.jai Do	on Public School, Atola, Dis	st. Meerut,245206 UP			
2.Type of	Industry	Construction	7.Method of Sampling	PCS/WI/SAMP/20			
3.Samplin	ng Location	06 Locations	8.Date of Monitoring	08/08/2023-11-08-2023			
4. Monito	ring done by	Mr. Vipin & Mr. Sunil	9.Sample Receipt in Lab	12/08/2023			
5. Weathe	er Condition	Clear Sky	10.Date of Analysis	-			
6.Lab Coo	de	PCS23/77/956-961	11.Sample Analyzed By	Mr. Vipin			
	Reference Method: IS-9989, 1981		Noise Level leq dB(A)	Noise Level leq dB(A)			
S. No.	Location		Day	Night			
1.	Camp-1 Concre	ete Plant 120, Vill-Atola	52.5	43.2			
2.	Camp-1 WMM	Plant, Vill- Atola	54.2	44.6			
3.	CH: 17+727 M	IJB, Vill- Atrada	53.1	40.8			
4.	CH: 19+ 700 B	ox Culvert, Vill-Atola					
	(School)		54.2	41.1			
5.	CH: 23+ 378 L	VUP, Vill- Loti	53.8	43.2			
6.	Camp-2 Office	Area, Thera	52.6	42.4			
* Standar	rd (Ambient No	ise)					
Industri	al area		75	70			
Comme	rcial area		65	55			
Residen	itial area		55	45			
Silence	Zone		50	40			

\*The Noise Pollution (Regulation and Control) Rules, 2000

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 metres 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.

\* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. A "decibel" is a unit in which noise is measured.

"A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

Leq: It is energy mean of the noise level over a specified period.

**Authorized Signatory** 

(Dr. Divya Misra) Managing Director

"End of this Test Report"

Page 1 of 1



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		Test Report for	Stac	ck Monitoring (I	<b>D.G</b> )		
Report N	No.	Re	eferer	nce No.			Issue Date
PCS/SE/	08/2023	PCS	/L&T	7/04/2023			21/08/2023
1.Name a	& address	M/s Larsen and Toubro Limited,	Camp	Office at KM-18, Khas	sra No.	37,Hapur-Ki	thaur Road,
of Ind	ustry	Opp.jai Doon Public School, Atol	la, Di	Dist. Meerut,245206 Uttar Pradesh			
2. Type of	of Industry	Construction	7. N	Iethod of Sampling	PCS/V	WI/SAMP/20	)
3. Sample	3. Sample collected by Mr. Vipin & Mr. Sunil 8. D		Date of sampling	08/08	/2023-12/08/	2023	
4. Weath	er Condition	Clear Sky	9. S	ample receipt in lab	14/08	/2023	
5. Sampl	5. Sampling Location D.G. Set- 320 KVA Camp-3 10.		10.	Date of Analysis	14/08	/2023-16/08	8/2023
		(25940538)	11.	Sample Analyzed By	Mr. R	ohit Yadav	
6. Lab Co	ode	PCS23/77/974					
S. No.	Particular	Value					
1	Duct Attache			]	D.G. S	et- 320 KVA	-
2	Type of Stac					Circu	
3		from Ground (m)				2.5 ap	1
4		nption Lit/hr				10.	-
5	Type of Duc					Circul	lar
6	Material of (	Construction of duct		Mild Steel (M.S)			el (M.S)
7	Type of fuel	used		HSD			
8	Sampling D	uration		40			
9	Atmospheric	Pressure (mmHg)		740			
10	Atmospheric	c temperature ( <sup>0</sup> K)				30	9
11	Flue Gas ten	nperature ( <sup>0</sup> K)				46	7
12	Flue Gas Ex	ist Velocity (m/s)				10.8	8
13	Volume of S	ample (lit.)				560	)
		Polluta	nts	Method		Result	Standard*
		PM (g/kw-	hr)	IS 11255 (Part-1):1985		0.11	0.2
		SO <sub>2</sub> (g/kw-	hr)	IS 11255 (Part-2):1985		1.2	-
		CO (g/kw-l		PCS/SOP/ST/03:2021		2.3	3.5
		NOx (g/kw-h	nr)	PCS/SOP/ST/NOx/12:2	2021	2.9	4.0

\*G.S.R. 771(E) dated 11th December, 2013 amend the Environment (Protection) Rules, 1986, in Schedule I for S.No 95. namely Emission limits for new diesel engine up to 800 kW for generator set (Genset) application.

 Note:
 1.
 Sample collected from flue gas exit

 2.
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		Test Report fo	or St	ack Monitoring	g ( <b>D.</b> G	)	
Report N	No.	]	Refer	ence No.			Issue Date
PCS/SE/(	03/2023	PC	<u>CS/L</u> &	cT/04/2023			21/08/2023
1.Name & of Ind	& address ustry	M/s Larsen and Toubro Limited Jai Doon Public School, Atola, I				37,Hapur-Ki	thaur Road, Opp.
	of Industry	Construction		Iethod of Sampling		I/SAMP/20	
• 1	e collected by	Mr. Vipin & Mr.Sunil .		ate of sampling		2023 - 12/08/20	)23
	er Condition	Clear Sky		ample receipt in lab	12/08/2		523
			Date of Analysis		023-16/08/2	2023	
2. Sump		(25960431)		Sample Analyzed By		hit Yadav	
6. Lab Co	5. Lab Code PCS23/77/973						
S. No.	Particulars	1	Value			alue	
1	Duct Attached to				D.0	G. Set- 500	KVA Camp-2
2	Type of Stac	:k				Cir	cular
3	Stack height	from Ground (m)				3.0 a	pprox
4	Fuel Consun	nption Lit/hr				1	5.0
5	Type of Duc	t		Circular			ular
6	Material of C	Construction of duct		Mild Steel (M.S)			
7	Type of fuel	used		HSD			
8	Sampling Du	uration		40			
9	Atmospheric	Pressure (mmHg)		740			40
10	Atmospheric	temperature ( <sup>0</sup> K)		309			
11		nperature ( <sup>0</sup> K)		461			-61
12		ist Velocity (m/s)				1	0.4
13	Volume of S	ample (lit.)				5	20
		Pollutants Concentra	tion	Method		Result	Standard*
		PM (g/kw	-hr)	IS 11255 (Part-1):19	85	0.11	0.2
		SO <sub>2</sub> (g/kv		IS 11255 (Part-2):19		1.4	-
		CO ( g/kv	v-hr)	PCS/SOP/ST/03:202	1	2.3	3.5
+C C D =		NOx (g/kw	v-hr)	PCS/SOP/ST/NOx/1	2:2021	2.5	4.0

\*G.S.R. 771(E) dated 11th December, 2013 amend the Environment (Protection) Rules, 1986, in Schedule I for S.No 95. namely Emission limits for new diesel engine up to 800 kW for generator set (Genset) application.

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#### Test Report for Stack Monitoring (D.G)

Report I PCS/SE/		-		ence No. cT/04/2023			<b>Issue Date</b> 21/08/2023
1.Name	& address	M/s Larsen and Toubro Limited	, Cam	p Office at KM-18, Kł	asra No.	37.Hapur-Kith	aur Road,
of Ind	lustry	Opp.jai Doon Public School, At					,
2. Type of	of Industry	Construction	7. N	lethod of Sampling	PCS/W	/I/SAMP/20	
	e collected by	Mr. Vipin & Mr. Sunil		ate of sampling	08/08/2	2023-12/08/202	23
	er Condition	Clear Sky		ample receipt in lab	12/08/2		
5. Sampl	ing Location	D.G. Set- 725 KVA Camp-2		Date of Analysis	14/08/2	2023-16/08/20	023
		(25980157)	11.	Sample Analyzed By	Mr. Ro	hit Yadav	
6. Lab C		PCS23/77/968					
S. No.	Particular					Valu	-
1	Duct Attach		D.G. Set- 725 KVA Camp-2				
2		Type of Stack				Circul	
3		Stack height from Ground (m)				4.0 app	
4		nption Lit/hr				22.0	
5	Type of Duc					Circula	
6		Construction of duct		Mild Steel (M.S)			
7	Type of fuel			HSD			
8	Sampling D			40			
9	1	c Pressure (mmHg)		738			
10		c temperature ( <sup>0</sup> K)		309			
11		nperature ( <sup>0</sup> K)				498	
12		ist Velocity (m/s)				12.8	
13	Volume of S					600	
		Pollut		Method		Result	Standard*
		PM (g/kw		IS 11255 (Part-1):198		0.10	0.2
		SO <sub>2</sub> (g/kv		IS 11255 (Part-2):198		1.3	-
		CO (g/kv		PCS/SOP/ST/03:202		2.1	3.5
		NOx (g/kW	V-hr)	PCS/SOP/ST/NOx/12	2:2021	2.3	4.0

\*G.S.R. 771(E) dated 11th December, 2013 amend the Environment (Protection) Rules, 1986, in Schedule I for S.No 95. namely Emission limits for new diesel engine up to 800 kW for generator set (Genset) application.

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<b>D</b>	Ţ	<b>.</b>	N		Issue Date	
Report						
PCS/SE/			zT/04/2023	** ****	21/08/2023	
	& address	M/s Larsen and Toubro Limited, Camp Off		Hapur-Kithaur	Road, Opp	
	lustry	Jai Doon Public School, Atola, Dist. Meeru				
• 1	of Industry	Construction	7. Method of Sampling	PCS/WI/SAM		
	le collected by	Mr. Vipin & Mr. Sunil	8. Date of sampling	08/08/2023-1	2/08/2023	
	ner Condition	Clear Sky	9. Sample receipt in lab	14/08/2023		
	ling Location	D.G. Set- 750 KVA Camp-2 (25980530)	10. Date of Analysis	14/08/2023-		
6. Lab C		PCS23/77/967	11. Sample Analyzed By	Mr. Rohit Ya		
S. No.	Particulars		Value			
1	Duct Attached	to	D.G	. Set- 750 KV	<b>.</b>	
2	Type of Stack			Circul		
3		rom Ground (m)		2.5 app		
4	Fuel Consump	tion Lit/hr		25.0	ł	
5	Type of Duct			Circula	.r	
6	Material of Co	nstruction of duct		Mild Steel	(M.S)	
7	Type of fuel u	sed		HSL	)	
8	Sampling Dura	ation		40		
9	Atmospheric F	Pressure (mmHg)		742		
10	Atmospheric t	emperature ( <sup>0</sup> K)		309		
11	Flue Gas temp	erature ( <sup>0</sup> K)		508		
12	Flue Gas Exist	Velocity (m/s)		14.6	)	
13	Volume of San	nple (lit.)	680			
		Pollutants	Method	Result	Standard	
		PM (g/kw-hr)	IS 11255 (Part-1):1985	0.14	0.2	
		SO <sub>2</sub> (g/kw-hr)	IS 11255 (Part-2):1985	1.9	-	
		CO (g/kw-hr)	PCS/SOP/ST/03:2021	2.1	3.5	
		NOx (g/kw-hr)	PCS/SOP/ST/NOx/12:2021	2.7	4.0	

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		Test Report fo	or Sta	ack Monitoring	g ( <b>D.G</b> )	)	
Report N PCS/SE/0				ference No. /L&T/04/2023			<b>Issue Date</b> 21/08/2023
	& address	M/s Larsen and Toubro Limited			ara No 3	7 Honur Kith	
of Ind		Opp.Jai Doon Public School, At					aul Koau,
	11			ethod of Sampling		I/SAMP/20	
	e collected by	Mr. Vipin & Mr. Sunil		te of sampling		2023-12/08/20	03
	er Condition	Clear Sky		mple receipt in lab	14/08/2		20
	ing Location	D.G. Set- 500 KVA Camp-1		Date of Analysis		2023-16/08/2	023
1				ample Analyzed By	Mr. Ro	hit Yadav	
6. Lab Co	ode	PCS23/77/969		1 0 0			
S. No.	Particular	°S			•	Val	ue
1	Duct Attach	ned to		D.G	. Set- 500 K	VA Camp-1	
2	Type of Sta	ck				Circu	ılar
3	Stack heigh	t from Ground (m)				3.0 ap	prox
4	Fuel Consu	mption Lit/hr				16.	0
5	Type of Du			Circular			
6	Material of	Construction of duct		Mild Steel (M.S)			
7	Type of fue			HSD			
8	Sampling D			40			
9		c Pressure (mmHg)		741			
10		c temperature ( <sup>0</sup> K)		309			
11		mperature ( <sup>0</sup> K)		472			
12		xist Velocity (m/s)				11.	
13	Volume of a	Sample (lit.)				60	0
			itants	Method		Result	Standard*
		PM (g/k		IS 11255 (Part-1):19		0.15	0.2
		SO <sub>2</sub> (g/k		IS 11255 (Part-2):19		1.2	-
		CO (g/k		PCS/SOP/ST/03:202		2.0	3.5
		NOx (g/k	w-hr)	PCS/SOP/ST/NOx/1	2:2021	2.7	4.0

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#### Test Report for Stack Monitoring (D.G)

Report I PCS/SE/			<b>Reference No.</b> PCS/L&T/04/2023		<b>Issue Date</b> 21/08/2023			
	e & address	M/s Larsen and Toubro Limited,		sra No 37 Hapur-Kithaur R				
of Ind		Doon Public School, Atola ,Dist.						
	of Industry	Construction	7. Method of Sampling					
	le collected by	Mr. Vipin & Mr. Sunil	8. Date of sampling	08/08/2023-12/0	8/2023			
	ner Condition	Clear Sky	9. Sample receipt in lab	14/08/2023				
5. Sampl			10. Date of Analysis	14/08/2023-16/	08/2023			
	(25960466)		11. Sample Analyzed By	Mr. Rohit Yadav	,			
6. Lab C								
S. No.	Particula	irs		Value				
1	Duct Attacl	ned to		D.G. Set- 500 KVA Camp-1				
2	Type of Sta	ick		Circula	ır			
3	Stack heigh	t from Ground (m)		3.0 appr	OX			
4		mption Lit/hr		16.0				
5	Type of Du			Circular				
6	Material of	Construction of duct		Mild Steel (M.S)				
7	Type of fue			HSD				
8	Sampling D			40				
9		ic Pressure (mmHg)		739				
10		ic temperature ( <sup>0</sup> K)		309				
11		mperature ( <sup>0</sup> K)		481				
12		xist Velocity (m/s)		12.2				
13	Volume of	Sample (lit.)		600				
		Pollut	ants Method	Result	Standard*			
		PM (g/kw	y-hr) IS 11255 (Part-1):	0.11	0.2			
		SO <sub>2</sub> (g/kw	,		-			
		CO (g/kw			3.5			
		NOx (g/kv	v-hr) PCS/SOP/ST/NOx/1	2:2021 2.9	4.0			

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Report I PCS/SE/				ference No. L&T/04/2023		<b>Issue Date</b> 21/08/2023	
	e & address	M/s Larsen and Toubro Limited,			7 Hapur-Kithaur		
of Ind		Doon Public School, Atola ,Dist.			,,iiupui iiiiiuui	rouu, opp.jui	
	of Industry	Construction	-	Method of Sampling PCS/WI/SAMP/20			
	le collected by	Mr. Vipin & Mr. Sunil		Date of sampling	08/08/2023-12/	08/2023	
			Sample receipt in lab	14/08/2023			
5. Sampl	ling Location	D.G. Set- 500 KVA Camp-1		Date of Analysis	14/08/2023-16	/08/2023	
		(25960458)	11.	Sample Analyzed By	Mr. Rohit Yada	V	
6. Lab C	ode	PCS23/77/971					
S. No.	Particula	irs			Value	-	
1	Duct Attacl	hed to		D.G. Set- 500 KVA Camp-1			
2	Type of Stack				Circul	lar	
3	Stack height from Ground (m)				3.0 app	orox	
4	Fuel Consumption Lit/hr				16.0	)	
5	Type of Du			Circular			
6	Material of	Construction of duct		Mild Steel (M.S)			
7	Type of fue			HSD			
8	Sampling D			40			
9		ic Pressure (mmHg)		740			
10		ic temperature ( <sup>0</sup> K)		309			
11		mperature ( <sup>0</sup> K)		489			
12		xist Velocity (m/s)		11.8			
13	Volume of	Sample (lit.)			560		
		Pollut	tants	Method	Result	Standard*	
		PM (g/kw	,	IS 11255 (Part-1):1985	0.19	0.2	
		SO <sub>2</sub> (g/kv	w-hr)	IS 11255 (Part-2):1985	2.1	-	
		CO (g/kv	/	PCS/SOP/ST/03:2021	2.8	3.5	
		NOx (g/kv	w-hr)	PCS/SOP/ST/NOx/12:2021	2.4	4.0	

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		Test Report fo	or Sta	ack Monitoring	( <b>D.G</b> )			
Report N PCS/SE/				ference No. /L&T/04/2023			<b>Issue Date</b> 21/08/2023	
	& address	M/s Larsen and Toubro Limited			No 27	Hanna Vitha		
of Ind		Opp.jai Doon Public School, At				париг-клиа	ur Koau,	
	of Industry	Construction		ethod of Sampling		/SAMP/20		
	e collected by	Mr. Vipin & Mr. Sunil		te of sampling		023-12/08/20	173	
	er Condition	Clear Sky		mple receipt in lab	14/08/2		123	
	ing Location	D.G. Set- 500 KVA Camp-1		Date of Analysis		023 023 16/08/2	023	
5. Sumpr	ing Location	(25961195)		ample Analyzed By		nit Yadav		
6. Lab Co	ode	PCS23/77/972						
S. No.	Particula	rs	1			Va	lue	
1	Duct Attach	ned to			<b>D.G.</b> 9	Set- 500 KV	A Camp-1	
2	Type of Sta	ck				Circu	lar	
3	Stack heigh	t from Ground (m)				3.0 app	orox	
4	Fuel Consu	mption Lit/hr				16.0	)	
5	Type of Du				Circular			
6	Material of	Construction of duct				Mild Steel	(M.S)	
7	Type of fue	l used				HSI	)	
8	Sampling D					40		
9		c Pressure (mmHg)		740				
10		c temperature ( <sup>0</sup> K)		309				
11		mperature ( <sup>0</sup> K)				494		
12		xist Velocity (m/s)				12.6		
13	Volume of	Sample (lit.)				600		
			tants	Method	~	Result	Standard*	
		PM (g/ky		IS 11255 (Part-1):1985 0.14			0.2	
		SO <sub>2</sub> (g/k					-	
		CO (g/k	,	PCS/SOP/ST/03:2021		2.0	3.5	
		NOx(g/k)	w-hr)	PCS/SOP/ST/Nox/12:	2021	2.8	4.0	

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## Prakriti Consultants Services

An Approved Laboratory From MoEF - CC & Uttar Pradesh Pollution Control Board (An ISO 14001:2015, ISO 9001-2015 and ISO 45001:2018 Certified Organization) Address: 12, Vishnupuri, Church Road, Aliganj, Lucknow-226024 E-mail: prakriti md@rediffmail.com Tel: 0522- 4002545, Mobile: 09415518818,

GSTIN :- 09AAJFP5925G1ZY

ULR-	- TC824123000001		Fest Repo	rt for D	rinking	Water Qu	ality		Toole		
Repor	rt No.				Reference	e No.			Issue Date		
PCS/I	DWQ/01/2023				CS/L&TM				21/08/2023		
	me & Address								our-Kithaur Road, Opp.		
	Industry			Public School, Atola, Dist. Meerut, 245206 Uttar Pradesh							
	be of Industry	Construct				d of Sampli	ng	PCS/WI/SA			
	nple Collected by		& Mr. Suni	1		of Sampling		11/08/2023			
	ather Condition	Clear Sky				ole Receipt i	n Lab	12/08/2023			
	npling Location		t Canteen C	amp-1		of Analysis		12/08/2023	-17/08/2023		
6. Lab	Code	PCS23/14	9/900		12.Samp	le Analyzed	By	Ms. Shivan	i & Ms Alka		
7. Qua	antity of Sample	2 Litre			_	-	-				
					•			<b>BIS Standar</b>	rd IS 10500:2012		
Sl. No.	Parameters		Unit	Unit Reference Method		Result		uirement ptable limit)	Permissible limit in the absence of alternate source		
1.	pН		-	APHA 4500H+ B		7.21	6.5 - 8.5		NR*		
2.	Colour		Hazen	IS-3025(Part-4)		<5.0	5		15		
3.	Odour		-	IS-3025(I	Part-5)	Odorless	Ag	greeable	Agreeable		
4.	Turbidity		NTU	APHA-2130-B		0.11		1	5		
5.	Conductivity		µmhos/cm	APHA 2510 B		455.0					
6.	Total Dissolved Solid		mg/l	APHA 2540 C		265.0	500		2000		
9.	Hardness as CaCO <sub>3</sub>		mg/l	APHA 2340 C		220.0	200		600		
10.	Alkalinity		mg/l	APHA 23	320 B	197.8		200	600		
11.	Chloride as Cl		mg/l	APHA 45		<5.0		250	1000		
12.	Sulphate as SO <sub>4</sub>		mg/l	APHA 45		24.8		200	400		
13.	Nitrate as NO <sub>3</sub>		mg/l	APHA 45		0.66		45	NR*		
14.	Fluoride		mg/l	APHA 45		0.49		1.0	1.5		
15.	Calcium as Ca		mg/l	APHA 35		41.7		75	200		
16.	Magnesium as Mg		mg/l	APHA 35		26.2		30	100		
17.	Sodium as Na		mg/l	APHA 35		46.0					
18.	Potassium as K		mg/l	APHA 35		<10.0					
19.	Copper as Cu		mg/l	APHA 31		< 0.05		0.05	1.5		
20.	Chromium as Cr		mg/l	APHA 31		< 0.05		0.05	NR*		
21.	Cadmium as Cd		mg/l	APHA 31		< 0.008		0.003	NR*		
22.	Iron as Fe		mg/l	APHA 31		<0.3		0.3	NR*		
23.	Nickel as Ni		mg/l	APHA 31		< 0.02		0.02	NR*		
24.	Lead as Pb		mg/l	APHA 31		< 0.01		0.01	NR*		
25.	Zinc as Zn		mg/l	APHA 31		0.014		5	<u>15</u> 0.3		
26. NR-No Relay	Manganese ( as Mn)		mg/l	APHA 31	11-Mn,B	< 0.02		0.1	0.3		

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected. Note:

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3. The report shall not be used for any other purpose than declared by the Sponsor 4. Prakriti Consultants Services is not regulatory agency hence no part of this report should be used for legal purpose under any circumstances.

5. No deviation as per the Standard Method

**Authorized Signatory** 

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(Dr. Divya Misra) **Managing Director** 

"End of this Test Report"

Services Available Environmental Monitoring, Preparation of EIA/EMP, Baseline data generation for Air, Water, Soil, Noise & Metcornlogy

Environmental and Safety Audit reports, Commissioning, Erection, Operation and Maintenance of STP/ETP, Clearances from Ground Water Board, Compliance of E.C., NOC from UPPCB, MoEF



An Approved Laboratory From MoEF - CC & Uttar Pradesh Pollution Control Board (An ISO 14001:2015, ISO 9001-2015 and ISO 45001:2018 Certified Organization) Address: 12, Vishnupuri, Church Road, Aliganj, Lucknow-226024 E-mail: prakriti\_md@rediffmail.com Tel: 0522- 4002545, Mobile: 09415518818, GSTIN :- 09AAJFP5925G1ZY

		Tes	t Report for Dr	inking Water Q	uality					
Report No.			Ref	erence No.			Issue Date			
PCS/DWQ/01(a)/2023 PCS/L&TM/04/2023 21/08/2023										
1. Name & Address of Industry M/s Larsen and Toubro Limited, Camp Office at KM-18, Khasra No.37, Hapur-Kithaur Road,										
Opp. Jai Doon Public School, Atola, Dist. Meerut,245206 Uttar Pradesh										
2. Type of Industry Construction 8. Method of Sampling PCS/WI/SAMP/21										
3. Sample Collected	3. Sample Collected by Mr. Vipin & Mr. Sunil 9. Date of Sampling 11/08/2023									
4. Weather Condition	l	Clear Sky		10. Sample Receip	t in Lab	12/08/2023				
5. Sampling Location	l	<b>RO Plant C</b>	anteen Camp-1	11. Date of Analys	is	12/08/2023	- 17/08/2023			
6. Lab Code:		PCS23/149/	900	12.Sample Analyze	ed By	Ms. Shivan	i & Ms Alka			
7. Quantity of Sampl	e	2 Litre								
					l	<b>BIS Standard</b>	IS 10500:2012			
Sl. No. Parameters		Unit	Reference Method	Result	-	uirement otable limit)	Permissible limit in the absence of alternate source			
<b>Bacteriological Testing</b>										
1. Total coliform	is N	IPN/100ml	APHA 9221	Absent		Should be a	bsent in any			
2. Faecal colifor	Faecal coliformsMPN/100mlAPHA 9221Absent100 ml sample									
Note: It is recommended that the	ne acceptable limit	is to be implement	ed. Values in excess of tho	se mentioned under 'accepta	ble' render th	e water not suitable	e, but still may be tolerated in th			

absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the standard method.

**Authorized Signatory** 

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(Dr. Divya Misra) **Managing Director** 

"End of this Test Report"



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#### **Test Report for Drinking Water Quality**

#### ULR-TC824123000001302

									TC4241			
Repor	rt No.				Referer	nce No.			Issue Date			
PCS/L	DWQ/02/2023			21/08/202								
1. Na	me & Address	M/s Lars	l/s Larsen and Toubro Limited, Camp Office at KM-18, Khasra No.37, Hapur-Kithaur Road, Opp.									
of	Industry	Jai Door	Public Sch	Public School, Atola, Dist. Meerut,245206 Uttar Pradesh								
2. Typ	e of Industry	Construc				od of Sampli			SAMP/21			
	nple Collected by	Mr. Vipi	in & Mr. Su	nil		of Sampling	0	11/08/202				
4. Weather Condition Clear S						ple Receipt i	n Lab	12/08/202	23			
	npling Location		, it Pantry C	amp-1		of Analysis			23-17/08/2023			
	Code	PCS23/1		<b>r</b> -		ole Analyzed	Bv		ani & Ms Alka			
	antity of Sample	2 Litre			1 <b>-</b> 10 ump		2)	11101 01111				
/	and g of Sampio	2 2100			l		F	BIS Standa	rd IS 10500:2012			
SI.	_			Reference			-		Permissible limit in th			
No.	Parameters		Unit	Method		Result		rement	absence of alternate			
							(Acceptable limit)		source			
1.	pН		_	APHA 450	00H+ B	7.16	6.5 -	8.5	NR*			
2.	Colour		Hazen	IS-3025(Part-4)		<5.0	4		15			
3.	Odour		-	IS-3025(Pa	art-5)	Odorless	Agre	eable	Agreeable			
4.	Turbidity		NTU	APHA-213	30-B	< 0.1	1		5			
5.	Conductivity		µmhos/cm	APHA 251	0 B	428.0		-				
6.	Total Dissolved Solid		mg/l	APHA 254	-0 C	247.0	50	)0	2000			
9.	Hardness as CaCO <sub>3</sub>		mg/l	APHA 234	40 C	224.0	200		600			
10.	Alkalinity		mg/l	APHA 2320 B		321.6	200		600			
11.	Chloride as Cl		mg/l	APHA 4500-Cl,B		33.9	250		1000			
12.	Sulphate as SO <sub>4</sub>		mg/l	APHA 450		26.8	200		400			
13.	Nitrate as NO <sub>3</sub>		mg/l	APHA 450		4.6	45		NR*			
14.	Fluoride		mg/l	APHA 450		0.63	1.		1.5			
15.	Calcium as Ca		mg/l	APHA 350		65.7	7		200			
16.	Magnesium as Mg		mg/l	APHA 350		11.6	3	~	100			
17.	Sodium as Na		mg/l	APHA 350		56.0						
18. 19.	Potassium as K Copper as Cu		mg/l mg/l	APHA 350 APHA 311		<10 <0.05	0.0		1.5			
20.	Copper as Cu Chromium as Cr		mg/l mg/l	APHA 311 APHA 311		<0.05	0.0		1.5 NR*			
20.	Cadmium as Cd		mg/l	APHA 311 APHA 311		<0.03	0.0		NR*			
22.	Iron as Fe		mg/l	APHA 311	,	<0.000	0.0		NR*			
23.	Nickel as Ni		mg/l	APHA 311		<0.02	0.0		NR*			
24.	Lead as Pb		mg/l	APHA 311	/	<0.02	0.0		NR*			
25.	Zinc as Zn		mg/l	APHA 311		0.16	4		15			
26.	Manganese ( as Mn)		mg/l	APHA 311		< 0.02	0.		0.3			

\*NR-No Relaxation

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.
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5. No deviation as per the Standard Method

**Authorized Signatory** 

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(Dr. Divya Misra) **Managing Director** 

Page 1of 2

"End of this Test Report

Services Available

Environmental Monitoring, Preparation of EIA/EMP, Baseline data generation for Air, Water, Soil, Nuise & Meteornlogy

Environmental and Safety Audit reports, Commissioning, Erection, Operation and Maintenance of STP/ETP, Clearances from Ground Water Board, Compliance of E.C., NOC from UPPCB, MoEF



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#### **Test Report for Drinking Water Quality**

Report No.			Ref		Issue Date				
PCS/DWQ/0	02(a)/2023		PCS/L&T M/04/2023 21/0						
1. Name & A	Address of Industry		M/s Larsen and Toubro Limited, Camp Office at KM-18, Khasra No.37, Hapur-K Opp.Jai Doon Public School, Atola, Dist. Meerut, 245206 Uttar Pradesh						
2. Type of Ir	=. Type of mansaly		tion	8. Method of S	Sampling	PCS/W	/I/SAMP/21		
3. Sample C	Sample Collected by Mr. Vipin		n & Mr.Sunil	9. Date of Sam	npling	11/08/2	2023		
4. Weather Condition		Clear Sk	Clear Sky		10. Sample Receipt in Lab		2023		
5. Sampling Location		RO Plan	RO Plant Pantry Camp-1		11. Date of Analysis		12/08/2023-17/08/2023		
6. Lab Code		PCS23/1	PCS23/149/901		alyzed By	Ms. Sh	ivani & Ms Alka		
7. Quantity of	of Sample	2 Litre	2 Litre						
				•	BIS St	andard	IS 10500:2012		
SI. No. Para	meters	Unit	Reference Method	Result	Requirem (Acceptable		Permissible limit in the absence of alternate source		
Bacteriological Testing									
1. Total	coliforms N	IPN/100ml	APHA 9221	Absent	Should be absent in any		osent in any		
2. Faeca	al coliforms M	IPN/100ml	APHA 9221	Absent		100 ml s	sample		

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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"End of this Test Report"



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ULR	- TC824123000001		est Report fo	or Drii	nking Wa	ter Qualit	y	Contraction of the second seco			
Repo	rt No.			Ref	erence No.			Issue Date			
	DWQ/03/2023		PCS/L&TM/04/2023 21/08/2								
1. Na	ame & Address		Toubro Limited, Camp Office at KM-18, Khasra No.37, Hapur-Kithaur Road, Opp.								
	Industry		ic School, Atola								
	be of Industry	Construction			hod of Sam		PCS/WI	I/SAMP/21			
	nple Collected by	Mr. Vipin & M	r. Sunil		e of Samplin		11/08/20	023			
4. We	ather Condition	Clear Sky		10. Sa	mple Receip	ot in Lab	12/08/20	023			
5. San	npling Location	<b>RO Plant Can</b>	teen Camp-2	11. Da	te of Analys	sis	12/08/20	023-17/08/2023			
6. Lat	Code	PCS23/149/902	2 -	12.Sar	nple Analyz	ed By	Ms. Shi	vani & Ms Alka			
7. Qua	antity of Sample	2 Litre				-					
						BI	S Standar	rd IS 10500:2012			
SI.	Parameters	Unit	Reference		Result	Desertes		Permissible limit in the			
No.	Parameters	Umt	Method		Result	Require		absence of alternate			
						(Acceptab	le limit)	source			
1.	pН	-	APHA 4500H+ B		7.08	6.5 - 8	3.5	NR*			
2.	Colour	Hazen	IS-3025(Part-4)		<5.0	5		15			
3.	Odour	-	IS-3025(Part-5)		Odorless	Agreea	ble	Agreeable			
4.	Turbidity	NTU	АРНА-2130-В		< 0.1	1		5			
5.	Conductivity	µmhos/cm			188						
6.	Total Dissolved Solid	mg/l	APHA 2540 C		90.8	500		2000			
9.	Hardness as CaCO <sub>3</sub>	mg/l	APHA 2340 C		48.0	200		600			
10.	Alkalinity	mg/l	APHA 2320 B		28.8	200		600			
11.	Chloride as Cl	mg/l	APHA 4500-Cl		15.09	250		1000			
12.	Sulphate as SO <sub>4</sub>	mg/l	APHA 4500-SC	$\mathbf{D}_4$	4.75	200		400			
13.	Nitrate as NO <sub>3</sub>	mg/l	APHA 4500-B	a	5.05	45		NR*			
14.	Fluoride	ng/l	APHA 4500-F,0		0.18	1.0 75		1.5			
15. 16.	Calcium as Ca Magnesium as Mg	mg/l	APHA 3500-Ca APHA 3500-M		8.0 3.89	30		200			
10.	Sodium as Na	mg/l mg/l	APHA 3500-M		3.89						
17.	Potassium as K	mg/l	APHA 3500-Na APHA 3500-K,		<10.0						
18.	Copper as Cu	mg/l	APHA 3111-Cu		<0.05	0.05		1.5			
20.	Chromium as Cr	mg/l	APHA 3111-Cr	,	<0.05	0.05		NR*			
21.	Cadmium as Cd	mg/l	APHA 3111-Cc		< 0.008	0.00		NR*			
22.	Iron as Fe	mg/l	APHA 3111-Fe		<0.3	0.3		NR*			
23.	Nickel as Ni	mg/l	APHA 3111-Ni		< 0.02	0.02		NR*			
24.	Lead as Pb	mg/l	APHA 3111-Pb		< 0.01	0.01		NR*			
25.	Zinc as Zn	mg/l	APHA 3111-Zn	i, B	0.16	5		15			
26.	Manganese ( as Mn)	mg/l	APHA 3111-M	n,B	< 0.02	0.1		0.3			

\*NR-No Relaxation

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.
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(Dr. Divya Misra) **Managing Director** 

"End of this Test Report"

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Environmental Monitoring, Preparation of EIA/EMP, Baseline data generation for Air, Water, Soli, Nuise & Meteorology

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		Test	Report for Dr	inking	g Water Qı	ıality			
Report No.Reference No.Issue Date									
PCS/DWQ/03(a)/2023 PCS/L&T M/04/2023 21/08/2								21/08/2023	
1. Nar	ne & Address of Industry	M/s Larsen and	M/s Larsen and Toubro Limited, Camp Office at KM-18, Khasra No.37, Hapur-Kithaur Road,						
	Opp. Jai Doon Public School, Atola, Dist. Meerut, 245206 Uttar Pradesh								
2. Typ	e of Industry	Construction	Construction 8. Method of Sampling PCS/WI/SAMP/21						
3. San	nple Collected by	Mr. Vipin & Mr.Sunil 9. Date of Sampling					11/08/2023		
4. We	ather Condition	Clear Sky 10. Sample Receipt in Lab 12/08/2023					3		
5. San	npling Location	<b>RO Plant Car</b>	teen Camp-2	11. Da	ate of Analysi	S	12/08/2023	3-17/08/2023	
6. Lab	Code:	PCS23/149/90	-	12.Sa	mple Analyze	d By	By Ms. Shivani & Ms Alka		
7. Qua	antity of Sample	2 Litre			· ·	•			
	· ·	•		•		B	S Standard	IS 10500:2012	
Sl. No.	Parameters	Unit	Reference Method		Result	-	irement able limit)	Permissible limit in the absence of alternate source	
Bacteri	ological Testing								
1.	Total coliforms	MPN/100ml	APHA 9221		Absent	Should be absent in any		osent in any	
2.	Faecal coliforms	MPN/100ml	APHA 9221		Absent		100 ml	sample	

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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"End of this Test Report"



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ULR	- TC824123000001		<b>Fest Report f</b> o	or Drii	nking Wat	er Qualit	у	Economic Contraction			
Repo	rt No.			Refer	ence No.			Issue Date			
	DWQ/04/2023		Р	CS/L&T	M/04/2023			21/08/2023			
1. Name & Address M/s Larsen and Toubro Limited, Camp Office at KM-18, Khasra No.37, Hapur-Kithaur Road, Opp.											
of Industry Jai Doon Public School, Atola, Dist. Meerut, 245206 Uttar Pradesh											
Of IndustrySal Dool Public School, Atola, Dist. Meerul, 243200 Ottal Pladesh2. Type of IndustryConstruction8. Method of SamplingPCS/WI/SAMP/21											
	nple Collected by	Mr. Vipin & N	Ar Sunil		e of Sampling		11/08/20				
	ather Condition	Clear Sky	n. Julii		mple Receipt		12/08/20				
	npling Location	<b>RO Plant Par</b>	ntry Camn_?		te of Analysi			)23-17/08/2023			
	o Code	PCS23/149/90	13 Camp-2		nple Analyze			vani & Ms Alka			
	antity of Sample	2 Litre	5	12.541	inple Analyze	u Бу	W15. 5111	ani & Wis Aika			
7. Qu	analy of Sample	2 Ende				B	IS Standa	ard IS 10500:2012			
Sl. No.	Parameters	Unit	Reference Method		Result	Requir (Acceptal	ement	Permissible limit in the absence of alternate source			
1.	pН	-	APHA 4500H+ B	3	7.22	6.5 -	8.5	NR*			
2.	Colour	Hazen	IS-3025(Part-4)		<5.0	5		15			
3.	Odour	-	IS-3025(Part-5)		Odorless	Agree	able	Agreeable			
4.	Turbidity	NTU	APHA-2130-B		0.24	1		5			
5.	Conductivity	µmhos/cm	APHA 2510 B		726.0						
6.	Total Dissolved Solid	mg/l	APHA 2540 C		441	500	-	2000			
9.	Hardness as CaCO <sub>3</sub>	mg/l	APHA 2340 C		228	200		600			
10.	Alkalinity	mg/l	APHA 2320 B		317	200		600			
11.	Chloride as Cl	mg/l	APHA 4500-Cl,E		11.3	250		1000			
12.	Sulphate as SO <sub>4</sub>	mg/l	APHA 4500-SO <sub>4</sub>	ļ	28.0	200		400			
13.	Nitrate as NO <sub>3</sub>	mg/l	APHA 4500-B		24.3	45		NR*			
14.	Fluoride	mg/l	APHA 4500-F,C		0.26	1.0		1.5			
15.	Calcium as Ca	mg/l	APHA 3500-Ca,	-	36.9	75		200			
16.	Magnesium as Mg	mg/l	APHA 3500-Mg,		30.13	30		100			
17.	Sodium as Na	ng/l	APHA 3500-Na,		35.2						
18.	Potassium as K	mg/l	APHA 3500-K,D		<10.0 <0.05						
19. 20.	Copper as Cu Chromium as Cr	mg/l	APHA 3111-Cu,		<0.05 <0.05	0.0	-	1.5 NR*			
20.	Chromium as Cr Cadmium as Cd	mg/l mg/l	APHA 3111-Cr, APHA 3111-Cd,		<0.05	0.0		NK* NR*			
$\frac{21.}{22.}$	Iron as Fe	mg/l	APHA 3111-Cu, APHA 3111-Fe,I		<0.008	0.00	-	NR*			
22.	Nickel as Ni	mg/l	APHA 3111-Fe, APHA 3111-Ni, E		<0.3	0.0		NR*			
23.	Lead as Pb	mg/l	APHA 3111-N,		<0.02	0.0		NR*			
24.	Zinc as Zn	mg/l	APHA 3111-Zn,		<0.01	5	1	15			
		1112/1		~	~U.UI			1.5			

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected. Note:

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(Dr. Divya Misra) **Managing Director** 

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		Test Rep	port for L	)rinki	ing Water Qu	ality			
Repor	rt No.		R	eferen	ce No.			Issue Date	
PCS/I	DWQ/04(a)/2023		PCS/	L&T N	//04/2023			21/08/2023	
1. Na	me & Address of Industry	M/s Larsen and Tou	ubro Limite	d, Cam	p Office at KM-	18, Kha	sra No.37,Hapı	ur-Kithaur Road,	
	-	Opp.Jai Doon Publi	ic School, A	tola, E	Dist. Meerut,2452	206 Utta	r Pradesh		
2. Typ	e of Industry	Construction		8. Me	ethod of Samplin	g	PCS/WI/SA	MP/21	
3. San	nple Collected by	Mr. Vipin & Mr.Sunil		9. Date of Sampling			11/08/2023		
4. We	ather Condition	Clear Sky	Clear Sky		ample Receipt in	Lab	12/08/2023		
5. San	npling Location	<b>RO Plant Pantry (</b>	11. D	Date of Analysis		12/08/2023-	17/08/2023		
6. Lab	Code	PCS23/149/903		12.Sample Analyzed By			Ms. Shivani	& Ms Alka	
7. Qua	antity of Sample	2 Litre				•			
							<b>BIS Standard</b>	IS 10500:2012	
Sl. No.	Parameters	Unit	Unit Referen		Result	Requirement (Acceptable limit)		Permissible limit in the absence of	
						(ince	prusie mility	alternate source	
Bacteri	ological Testing				r				
1.	Total coliforms	MPN/100ml	MPN/100ml APHA 9		Absent	_	Should be absent in any		
2.	Faecal coliforms	MPN/100ml	APHA 9	9221	Absent		100 ml sample		

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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ULR-	TC824123000001	305	Test Report for Dri	inking Wa	ter Quality	ECON.
Repor	rt No.		Refer	ence No.		Issue Date
	DWQ/05/2023			Г М/04/2023		21/08/2023
	ne & Address	M/s Larsen an			A-18, Khasra No.37.F	Iapur-Kithaur Road, Opp.Jai
	Industry		chool, Atola, Dist. Meeru			The second se
	be of Industry	Construction			d of Sampling	PCS/WI/SAMP/21
	nple Collected by	Mr. Vipin & N	/r.Sunil		f Sampling	11/08/2023
	ather Condition	Clear Sky	11.5 uiiii		le Receipt in Lab	12/08/2023
	npling Location	•	et Vihar Guest House		of Analysis	12/08/2023-17/08/2023
6. Lab		PCS23/149/90			e Analyzed By	Ms. Shivani & Ms Alka
	antity of Sample	2 Litre	7	12.5ampi	c maryzeu by	wis. Shi vani & wis Aika
	antity of Sample		Defense		BIS Stand	lard IS 10500:2012
SI.	Parameters	Unit	Reference	Result	Requirement	Permissible limit in the
No.			Method		(Acceptable limit)	absence of alternate source
1.	pH	-	APHA 4500H+ B	7.12	6.5 - 8.5	NR*
2.	Colour	Hazen	IS-3025(Part-4)	<5.0	5	15
3.	Odour	-	IS-3025(Part-5)	Odorless	Agreeable	Agreeable
4.	Turbidity	NTU	APHA-2130-B	< 0.1	1	5
5.	Conductivity	µmhos/cm	APHA 2510 B	142.0		
6.	Total Dissolved Solid	mg/l	APHA 2540 C	79.3	500	2000
9.	Hardness as CaCO <sub>3</sub>	mg/l	APHA 2340 C	40.0	200	600
10.	Alkalinity	mg/l	APHA 2320 B	28.8	200	600
11.	Chloride as Cl	mg/l	APHA 4500-Cl,B	13.0	250	1000
12.	Sulphate as SO <sub>4</sub>	mg/l	APHA 4500-SO <sub>4</sub>	6.1	200	400
13.	Nitrate as NO <sub>3</sub>	mg/l	APHA 4500-B	0.71	45	NR*
14.	Fluoride	mg/l	APHA 4500-F,C	0.20	1.0	1.5
15.	Calcium as Ca	mg/l	APHA 3500-Ca,	14.4	75	200
16.	Magnesium as Mg	mg/l	APHA 3500-Mg,E	<2.0	30	100
17.	Sodium as Na	mg/l	APHA 3500-Na,D	33.2		
18.	Potassium as K	mg/l	APHA 3500-K,D	<10.0		
19.	Copper as Cu	mg/l	APHA 3111-Cu, B	< 0.05	0.05	1.5
20.	Chromium as Cr	mg/l	APHA 3111-Cr, B	< 0.05	0.05	NR*
21.	Cadmium as Cd	n	APHA 3111-Cd, B	< 0.008	0.003	NR*
22.	Iron as Fe	mg/l	APHA 3111-Fe,B	<0.3	0.3	NR* NR*
23.	Nickel as Ni	mg/l	APHA 3111-Ni,B	<0.02	0.02	
24. 25.	Lead as Pb Zinc as Zn	mg/l	APHA 3111-Pb,B	<0.01 <0.01	0.01	NR* 15
25. 26.	Manganese ( as Mn)	mg/l	APHA 3111-Zn, B APHA 3111-Mn,B	<0.01	5 0.1	0.3
26. NR-No Relax		mg/l	AFRA 3111-MIN,B	<0.02	0.1	0.3

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected. **Note:**1. The results in the Test Report relate only to the items tested.

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5. No deviation as per the Standard Method

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(Dr. Divya Misra) **Managing Director** 

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		Те	est Report for Drinki	ng Water Q	uality					
Report No.Reference No.Issue Date										
PCS/DWQ/05(a)/2023 PCS/L&T M/04/2023 21/08/2023										
1. Name & Address of Industry M/s Larsen and Toubro Limited, Camp Office at KM-18, Khasra No.37, Hapur-Kithaur Road,										
Opp. Jai Doon Public School, Atola, Dist. Meerut, 245206 Uttar Pradesh										
2. Type of Industry Construction 8. Method of Sampling PCS/WI/SAMP/21										
3. San	nple Collected by	Mr. Vipin & Mr.Sunil 9. Date of Sampling 11/08/2023								
4. We	ather Condition	Clear Sky 10. Sample Receipt in Lab 12/08/2023								
5. San	npling Location	<b>RO Plant P</b>	reet Vihar Guest House	11. Date of A	Analysis	12/08/	/2023-17/08/2023			
6. Lab	Code	PCS23/149/	904	12.Sample A	nalyzed By	Ms. S	hivani & Ms Alka			
7. Qua	antity of Sample	2 Litre		-						
					BIS St	andard	IS 10500:2012			
SI. No.	Parameters	Unit	Reference Method	Result	Requirem (Acceptable		Permissible limit in the absence of alternate source			
Bacteri	ological Testing									
1.	Total coliforms	MPN/100ml	APHA 9221	Absent	Sho	uld be a	bsent in any			
2.	Faecal coliforms	MPN/100ml	APHA 9221	Absent		100 ml	sample			
Note: It is	recommended that the acceptable li	mit is to be implement	nted. Values in excess of those mention	oned under 'acceptab	ole' render the water r	ot suitable,	but still may be tolerated in the			

absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the standard method.

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ULR-	· TC824123000001		Fest Report for Di	rinking Wat	er Quality	ICASH
Repor	rt No.		Ref	erence No.		Issue Date
PCS/L	DWQ/06/2023		PCS/L&	&T M/04/2023		21/08/2023
	ne & Address	M/s Larsen and	d Toubro Limited, Carr	p Office at KN	I-18, Khasra No.37	,Hapur-Kithaur Road, Opp.
of	Industry		ic School, Atola, Dist.			
2. Typ	e of Industry	Construction	· · ·	8. Method of		PCS/WI/SAMP/21
	nple Collected by	Mr. Vipin & M	Ir.Sunil	9. Date of Sar		11/08/2023
	ather Condition	Clear Sky		10. Sample R		12/08/2023
	npling Location		knanda Bachelor	11. Date of A		12/08/2023-17/08/2023
	1 8	<b>Guest House</b>				
6. Lab	Code	PCS23/149/90	5	12.Sample Ar	nalvzed Bv	Ms. Shivani & Ms Alka
	antity of Sample	2 Litre				
					BIS Star	ndard IS 10500:2012
Sl. No.	Parameters	Unit	Reference Method	Result	Requirement (Acceptable limi	Permissible limit in the
1.	pН	-	APHA 4500H+ B	7.27	6.5 - 8.5	NR*
2.	Colour	Hazen	IS-3025(Part-4)	<5.0	5	15
3.	Odour	-	IS-3025(Part-5)	Odorless	Agreeable	Agreeable
4.	Turbidity	NTU	APHA-2130-B	< 0.1	1	5
5.	Conductivity	µmhos/cm	APHA 2510 B	182.0		
6.	Total Dissolved Solid	U	APHA 2540 C	106.0	500	2000
9.	Hardness as CaCO <sub>3</sub>	mg/l	APHA 2340 C	84.0	200	600
10.	Alkalinity	mg/l	APHA 2320 B	86.4	200	600
11.	Chloride as Cl	mg/l	APHA 4500-Cl,B	7.5	250	1000
12.	Sulphate as SO <sub>4</sub>	mg/l	APHA 4500-SO <sub>4</sub>	9.8	200	400
13.	Nitrate as NO <sub>3</sub>	mg/l	APHA 4500-B	0.82	45	NR*
14.	Fluoride	mg/l	APHA 4500-F,C	<0.1	1.0	1.5
15.	Calcium as Ca	mg/l	APHA 3500-Ca,	17.6	75	200
16. 17.	Magnesium as Mg Sodium as Na	mg/l	APHA 3500-Mg,E APHA 3500-Na,D	6.80 53.4	30	100
17.	Potassium as K	mg/l mg/l	APHA 3500-Na,D APHA 3500-K,D	<10.0		
18.	Copper as Cu	mg/l	APHA 3500-K,D APHA 3111-Cu, B	<0.05	0.05	1.5
20.	Copper as Cu Chromium as Cr	mg/l	APHA 3111-Cu, B APHA 3111-Cr, B	<0.05	0.05	
20.	Cadmium as Cd	mg/l	APHA 3111-Cd, B	<0.008	0.003	NR*
22.	Iron as Fe	mg/l	APHA 3111-Fe,B	<0.3	0.005	NR*
23.	Nickel as Ni	mg/l	APHA 3111-Ni,B	<0.02	0.02	NR*
24.	Lead as Pb	mg/l	APHA 3111-Pb,B	<0.01	0.01	NR*
25.	Zinc as Zn	mg/l	APHA 3111-Zn, B	<0.01	5	15
26.	Manganese ( as Mn)	mg/l	APHA 3111-Mn,B	< 0.02	0.1	0.3

\*NR-No Relaxation

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative Note: 1. The results in the Test Report relate only to the items tested.

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**Authorized Signatory** 

(Dr. Divya Misra) **Managing Director** 



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			Test 1	Report for Dr	inking	g Water Qu	uality			
Repor					erence				Issue Date	
	DWQ/06(a)/2023			PCS/L8					21/08/2023	
1. Nar	ne & Address	M/s La	sen and Toubro I	Limited, Camp Of	ffice at 1	KM-18, Khas	ra No.37,	Hapur-Kithau	r Road, Opp.Jai	
of	Industry	Doon P	ublic School, Ato	ola, Dist. Meerut,2	245206	Uttar Pradesh	1			
2. Typ	e of Industry	Constru	ction		8. Me	thod of Samp	ling	PCS/WI/SA	MP/21	
	nple Collected by	Mr. Vipin & Mr.Sunil			9. Date of Sampling			11/08/2023		
	ather Condition	1			10. Sample Receipt in Lab			12/08/2023		
5 San	npling Location		nt Alaknanda B	achelor Guest	11. Date of Analysis			12/08/2023-	- 17/08/2023	
o. oun	iping Location	House		uchelor Guest	11. 2.	ate of finalys.		12,00,2023	17/00/2020	
6. Lab	Code		149/905		12.Sample Analyzed By Ms.			Ms Shiyani	Is. Shivani & Ms Alka	
	antity of Sample	2 Litre	149/905		12.54		ыby	wis. Shi van	a de 1915 / fiku	
					•		I	BIS Standard	IS 10500:2012	
SI. No.	Parameters		Unit	Reference Method		Result	-	uirement otable limit)	Permissible limit in the absence of alternate source	
Bacteri	ological Testing						•			
1.	Total coliforms		MPN/100ml APHA 9		1	Absent	Should be absent in any			
2.	Faecal coliforms		MPN/100ml	APHA 922	1	Absent		100 ml sample		

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the standard method.

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GSTIN :- 09AAJFP5925G1ZY

ULR-	- TC82412300000		Fest Report for Drin	king Wat	er Quality	E See
Repor	rt No.		Refere	ence No.		Issue Date
PCS/E	DWQ/07/2023		PCS/L&T	M/04/2023		21/08/2023
1. Nar	ne & Address	M/s Larsen and	Toubro Limited, Camp C	Office at KM	-18, Khasra No.37,Ha	pur-Kithaur Road,
of l	Industry	Opp.Jai Doon F	Public School, Atola, Dist.	Meerut,2452	206 Uttar Pradesh	
2. Typ	e of Industry	Construction	, , ,		d of Sampling	PCS/WI/SAMP/21
	nple Collected by	Mr. Vipin & M	r.Sunil		f Sampling	11/08/2023
	ather Condition	Clear Sky			le Receipt in Lab	12/08/2023
	npling Location		na Bachelor Guest Hous		of Analysis	12/08/2023-17/08/2023
	Code	PCS23/149/906			e Analyzed By	Ms. Shivani & Ms Alka
	antity of Sample	2 Litre		12.5umpi	e i marjžea Dj	
7. Qui		2 Elde			BIS Standa	ard IS 10500:2012
SI.			Reference			Permissible limit in the
No.	Parameters	Unit Method		Result	Requirement	absence of alternate
1101					(Acceptable limit)	source
1.	pН	_	APHA 4500H+ B	7.34	6.5 - 8.5	NR*
2.	Colour	Hazen	IS-3025(Part-4)	<5.0	5	15
3.	Odour	-	IS-3025(Part-5)	Odorless	Agreeable	Agreeable
4.	Turbidity	NTU	АРНА-2130-В	0.18	1	5
5.	Conductivity	µmhos/cm	APHA 2510 B	520.0		
6.	Total Dissolved Solid	d mg/l	APHA 2540 C	298.0	500	2000
9.	Hardness as CaCO <sub>3</sub>	mg/l	APHA 2340 C	200.0	200	600
10.	Alkalinity	mg/l	APHA 2320 B	192.0	200	600
11.	Chloride as Cl	mg/l	APHA 4500-Cl,B	7.5	250	1000
12.	Sulphate as SO <sub>4</sub>	mg/l	APHA 4500-SO <sub>4</sub>	29.3	200	400
13.	Nitrate as NO <sub>3</sub>	mg/l	APHA 4500-B	1.76	45	NR*
14.	Fluoride	mg/l	APHA 4500-F,C	0.63	1.0	1.5
15.	Calcium as Ca	mg/l	АРНА 3500-Са,	54.5	75	200
16.	Magnesium as Mg	mg/l	APHA 3500-Mg,E	9.72	30	100
17.	Sodium as Na	mg/l	APHA 3500-Na,D	44.5		
18.	Potassium as K	ng/l	APHA 3500-K,D	<10.0		
19.	Copper as Cu	mg/l	APHA 3111-Cu, B	<0.05	0.05	1.5
20.	Chromium as Cr	mg/l	APHA 3111-Cr, B	<0.05	0.05	NR*
21.	Cadmium as Cd Iron as Fe	mg/l	APHA 3111-Cd, B	<0.008 <0.3	0.003	NR* NR*
22. 23.	Nickel as Ni	mg/l	APHA 3111-Fe,B APHA 3111-Ni,B	<0.3	0.3	NR*
23. 24.	Lead as Pb	mg/l mg/l	APHA 3111-N1,B APHA 3111-Pb,B	<0.02	0.02	NR*
24. 25.	Zinc as Zn	mg/l	APHA 3111-P0,B APHA 3111-Zn, B	<0.02	5	15
23. 26.	Manganese ( as Mn)	ng/l	APHA 3111-Zii, B APHA 3111-Mn,B	<0.01	0.1	0.3

\*NR-No Relaxation

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected. **Note:**1. The results in the Test Report relate only to the items tested.

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(Dr. Divya Misra) **Managing Director** 

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Environmental and Safety Audit reports, Commissioning, Erection, Operation and Maintenance of STP/ETP, Clearances from Ground Water Board, Compliance of E.C., NOC from UPPCB, MoEF



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#### **Test Report for Drinking Water Quality Report No. Reference No. Issue Date** 21/08/2023 PCS/DWQ/07(a)/2023 PCS/L&T M/04/2023 M/s Larsen and Toubro Limited, Camp Office at KM-18, Khasra No.37, Hapur-Kithaur Road, Opp. Jai 1. Name & Address Doon Public School, Atola, Dist. Meerut, 245206 Uttar Pradesh of Industry 8. Method of Sampling PCS/WI/SAMP/21 2. Type of Industry Construction 3. Sample Collected by Mr. Vipin & Mr.Sunil 9. Date of Sampling 11/08/2023 12/08/2023 4. Weather Condition Clear Sky 10. Sample Receipt in Lab 5. Sampling Location **RO Plant Siyana Bachelor Guest House** 11. Date of Analysis 12/08/2023-17/08/2023 6. Lab Code PCS23/149/906 12.Sample Analyzed By Ms. Shivani & Ms Alka 7. Quantity of Sample 2 Litre **BIS Standard IS 10500:2012** Reference Permissible limit in SI. **Parameters** Unit Result Requirement No. Method the absence of (Acceptable limit) alternate source **Bacteriological Testing** APHA 9221 Total coliforms MPN/100ml Absent Should be absent in any 1. MPN/100ml APHA 9221 100 ml sample 2. Faecal coliforms Absent

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

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5. No deviation as per the standard method.

**Authorized Signatory** 

(Dr. Divya Misra) Managing Director



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GSTIN :- 09AAJFP5925G1ZY

#### ULR-TC824123000001308

#### **Reference No. Report No. Issue Date** PCS/DWQ/08/2023 PCS/L&T M/04/2023 21/08/2023 M/s Larsen and Toubro Limited, Camp Office at KM-18, Khasra No.37, Hapur-Kithaur Road, 1. Name & Address of Industry Opp.Jai Doon Public School, Atola, Dist. Meerut, 245206 Uttar Pradesh 2. Type of Industry Construction 8. Method of Sampling PCS/WI/SAMP/21 3. Sample Collected by Mr. Vipin & Mr. Sunil 9. Date of Sampling 11/08/2023 4. Weather Condition 10. Sample Receipt in Lab 12/08/2023 Clear Sky 5. Sampling Location **RO Plant Hasanpur Bachelor Guest** 11. Date of Analysis 12/08/2023-17/08/2023 House PCS23/149/907 6. Lab Code 12.Sample Analyzed By Ms. Shivani & Ms Alka 7. Quantity of Sample 2 Litre BIS Standard IS 10500:2012 SI. Reference Permissible limit in the **Parameters** Unit Result Requirement No. Method absence of alternate (Acceptable limit) source APHA 4500H+ B 6.5 - 8.5 1. pН 7.46 NR\* 2. Colour Hazen IS-3025(Part-4) <5.0 5 15 3. IS-3025(Part-5) Odour Odorless Agreeable Agreeable NTU APHA-2130-B 4. Turbidity < 0.15 APHA 2510 B 5. Conductivity µmhos/cm 528.0 Total Dissolved Solid APHA 2540 C 307.4 500 2000 6. mg/l 9. Hardness as CaCO<sub>3</sub> mg/l APHA 2340 C 212.0 200 600 10. Alkalinity mg/l APHA 2320 B 259.0 200 600 Chloride as Cl APHA 4500-Cl,B 33.9 250 1000 11. mg/l Sulphate as SO<sub>4</sub> 29.75 200 12. APHA 4500-SO<sub>4</sub> 400 mg/l NR\* 13. Nitrate as NO<sub>3</sub> APHA 4500-B 3.29 45 mg/l 14. APHA 4500-F,C 0.44 1.0 Fluoride mg/l 1.5 15. Calcium as Ca APHA 3500-Ca, 60.9 75 200 mg/l 16. Magnesium as Mg APHA 3500-Mg,E 11.7 30 100 mg/l 17. Sodium as Na mg/l APHA 3500-Na,D 49.6 ------18. Potassium as K mg/l APHA 3500-K,D <10.0 \_\_\_\_ \_\_\_ 19. Copper as Cu mg/l APHA 3111-Cu, B < 0.05 0.05 1.5 20. Chromium as Cr mg/l APHA 3111-Cr, B < 0.05 0.05 NR\* $<\!\!0.008$ 21. 0.003 NR\* Cadmium as Cd mg/l APHA 3111-Cd, B < 0.3 0.3 NR\* 22. Iron as Fe mg/l APHA 3111-Fe,B 23. APHA 3111-Ni,B 0.02 NR\* Nickel as Ni mg/l < 0.02Lead as Pb NR\* 24. APHA 3111-Pb,B mg/l < 0.020.01 25. Zinc as Zn APHA 3111-Zn, B < 0.015 15 mg/l 26. Manganese (as Mn) APHA 3111-Mn,B < 0.02 0.1 0.3 mg/l

**Test Report for Drinking Water Quality** 

\*NR-No Relaxation

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.
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5. No deviation as per the Standard Method

Authorized Signatory

(Dr. Divva Misra) **Managing Director** 

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Services Available

Environmental Monitoring, Preparation of EIA/EMP, Baseline data generation for Air, Water, Soil, Nuise & Meteorology

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Ground Water Board, Compliance of E.C., NOC from UPPCB, MoEF



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			Test Repo	rt for Drinkir	ng Water Qu	ality				
Repor			Reference No.Issue Date							
PCS/I	DWQ/08(a)/2023	-		PCS/L&T M	/04/2023			21/08/2023		
1. Nar	ne & address of Industry	M/s Lar	sen and Toubro	Limited, Camp	Office at KM-1	8, Khasra No.	37,Hapu	r-Kithaur Road,		
		Opp.Jai	Doon Public Sc	chool, Atola, Dist	t. Meerut,24520	)6 Uttar Prade	sh			
2. Typ	e of Industry	Constru	ction		8. Method of	Sampling	PCS/W	/I/SAMP/21		
	nple Collected by	Mr. Vip	in & Mr. Sunil		9. Date of san	1 0	11/08/2	2023		
	ather Condition	Clear SI			10. Sample receipt in lab		12/08/2023			
5. San	npling Location		nt Hasanpur Bachelor Guest		11. Date of Analysis		12/08/2023-17/08/2023			
		House	· · · · · · · · ·			5				
6. Lab	Code	PCS23/	149/907		12.Sample Analyzed By		Ms. Shivani & Ms Alka			
7. Qua	antity of Sample	2 Litre			I	5 5				
						BIS S	tandard	I IS 10500:2012		
Sl. No.	Parameters		Unit	Reference Method	Result	Requirement the		Permissible limit in the absence of alternate source		
Bacteri	ological Testing				•	·				
1. Total coliforms			MPN/100ml APHA 9221		Absent Sho		ould be absent in any			
2.	Faecal coliforms		MPN/100ml	APHA 9221	Absent	]	100 ml sample			
Note: It is	recommended that the acceptable lin	nit is to be in	nplemented. Values in	excess of those mentio	ned under 'acceptable	e' render the water	not suitable	, but still may be tolerated in th		

Note: It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternative source above which the sources will have to be rejected.

Note: 1. The results in the Test Report relate only to the items tested.

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5. No deviation as per the standard method.

**Authorized Signatory** 

(Dr. Divya Misra) Managing Director



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# Test Report of Waste Water



#### ULR-TC824123000001310

Re	port No.			Refe	rence No.			<b>Issue Date</b>
PC	S/WW/02/2023	PCS/L&TM/04/2023						21/08/2023
1.	Name & Address	M/s Larsen and To	M/s Larsen and Toubro Limited, Camp Office at KM-18, Khasra N					r-Kithaur
	of Industry	Road, Opp. Jai Do	on Public	Scho	ool, Atola, Dist. Meerut,24520	06 U	P	
2.	Type of Industry	Construction			8. Date of Sampling	11	/08/2023	
3.	Sampling Location	Camp-2 Concrete Plant 120		20	9. Sample Receipt in Lab	12	2/08/2023	
4. 5. 6. 7.	Sample Collected by Weather Condition Method of Sampling Lab Code	Sedimentation Tank, Thera Mr. Vipin & Mr. Sunil Clear PCS/WI/SAMP/21 PCS23/149/909		a	10. Date of Testing 11.Analyzed by		2/08/2023– 1 s. Shivani C	
S. No	Parameter		Units		ference thod*		Results	Standard*
1	pН		-	AP	HA 4500H+ - B		7.87	5.5 to 9.0
2	Total Dissolved Soli	ids (TDS)	mg/l	AP	HA 2540- C		1337	-
3	Total Suspended So	lids (TSS)	mg/l	mg/l APHA 2540-D			42.3	100
4	COD		mg/l	mg/l APHA 5220-C			45.0	250
5	BOD (3days at 27 <sup>0</sup> C	()	mg/l	IS:3	3025 (Part 44) 1993 RA 2009	)	11.0	30

\*Standard as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 Notified vide G.S.R. 978(E) dated 10.10.2016, published in the Gazette No. 719 dated 10.10.2016.

Note: 1. The results in the Test Report related only to the items tested.

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5. No deviation as per Standard Method.

**Authorized Signatory** 

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(Dr. Divya Misra) Managing Director



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		Test R	Report o	of Wa	ste Water		23
UL	R- TC824123000001311						TC-8240
Re	port No.		R	eferenc	e No.		<b>Issue Date</b>
PC	S/WW/03/2023		PCS/	L&TM	/04/2023		21/08/2023
1.	Name & Address	M/s Larsen and T	Coubro Li	mited,	Camp Office at KM-18, Kha	asra No.37,Hap	ur-Kithaur
	of Industry	Road, Opp. Jai D	oon Publ	ic Scho	ol, Atola, Dist. Meerut, 2452	206 UP	
2.	Type of Industry	Construction			8. Date of Sampling	11/08/2023	
3.	Sampling Location	Camp-3 Concre	te Plant 1	120	9. Sample Receipt in Lab	12/08/2023	
		Sedimentation T	ank, Pip	oloti			
4.	Sample Collected by	Mr. Vipin & Mr.	Sunil		10. Date of Testing	12/08/2023-	17/08/2023
5.	Weather Condition	Clear			11.Analyzed by	Ms. Shivani (	Chaturvedi
6.	Method of Sampling	PCS/WI/SAMP/2	21				
7.	Lab Code	PCS23/149/910					
<b>S.</b> 1	No. Parameter	•	Units	Refer	ence Method*	Results	Standard*
1	pН		-	APHA	A 4500H+ - B	7.88	5.5 to 9.0
2	Total Dissolved Solids	(TDS)	mg/l	APHA	A 2540- C	1307	-
3	3 Total Suspended Solids (TSS)		mg/l	APHA 2540-D		85.9	100
4	· · · · · · · · · · · · · · · · · · ·			APHA	А 5220-С	50.0	250
5	BOD (3days at 27 <sup>o</sup> C)		mg/l mg/l	IS:30	25 (Part 44) 1993 RA 2009	14.0	30

\*Standard as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 Notified vide G.S.R. 978(E) dated 10.10.2016, published in the Gazette No. 719 dated 10.10.2016.

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for the

(Dr. Divya Misra) Managing Director

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UL	R-T	C824123000001312		est Repo	rt of V	Vaste Water		TC654
	port					erence No.		Issue Date
PC	S/WV	W/04/2023	•		PCS/La	&TM/04/2023		21/08/2023
1.	Nar	ne & Address	M/s Larsen and T	oubro Limi	ted, Car	np Office at KM-18, Khasra	No.37,Hapur-J	Kithaur Road,
	of	f Industry	Opp. Jai Doon Pu	iblic School	, Atola,	Dist. Meerut,245206 UP		
2.	Тур	be of Industry	Construction			8. Date of Sampling	11/08/2023	
3.	San	npling Location	Camp-1 Workmen Camp Water 9. Sample Receipt i			9. Sample Receipt in	12/08/2023	
			Tank, Atola	_		Lab		
4.	San	nple Collected by	Mr. Vipin & Mr.			10. Date of Testing	12/08/2023-	17/08/2023
5.	We	ather Condition	Clear			11.Analyzed by	Ms. Shivani (	Chaturvedi
6.	Met	thod of Sampling	PCS/WI/SAMP/2	21				
7.	Lab	Code	PCS23/149/911					
<b>S.</b>	No.	Parameter		Units	Refer	ence Method	Results	Standard*
]	1	pН		-	APHA	A 4500H+ - B	8.06	5.5 to 9.0
2	2	Total Dissolved So	olids (TDS)	mg/l	APHA	А 2540- С	756.0	-
3 Total Suspended Solids (TSS)		mg/l	АРНА 2540-D		40.6	100		
Z	4	COD		mg/l	APHA	А 5220-С	60.0	250
4	5	BOD (3days at 27 <sup>0</sup>	C)	mg/l	IS:302	25 (Part 44) 1993 RA 2009	16.0	30

\*Standard as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 Notified vide G.S.R. 978(E) dated 10.10.2016, published in the Gazette No. 719 dated 10.10.2016.

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5. No deviation as per Standard Method.

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(Dr. Divya Misra) **Managing Director** 

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UL	.R- TC824123000001313	3	Test R	Report of W	aste Water			TC-124
	port No. S/WW/05/2023			Reference				Issue Date
	Name & Address	M/a Lorson	and Toubro	PCS/L&TM/	p Office at KM-18, Kh	ooro N	Jo 27 U	21/08/2023
1.	of Industry				Dist. Meerut,245206 UI		№.57,П	iapui-Kiinaui Koau,
2.	Type of Industry	Construction			8. Date of Sampling		11/08	2/2023
3.	Sampling Location			mp-2 Water	9. Sample Receipt in 1	Lab		
	1 0	Tank, Ther		1				
4.	Sample Collected by	Mr. Vipin &	x Mr.Sunil		8			8/2023-17/08/2023
5.	Weather Condition	Clear			11.Analyzed by		Ms. S	Shivani Chaturvedi
6.	Method of Sampling	PCS/WI/SA	MP/21					
7.	Lab Code	PCS23/149/	912					
S No	Parameter		Units	Reference Method*		Res	sults	Standard*
1	pН		-	APHA 4500	H+ - B	8.	02	5.5 to 9.0
2	Total Dissolved Soli	olids (TDS) mg/l APHA 254		APHA 2540-	· C	831		-
3	3 Total Suspended Solids (TSS)			АРНА 2540-D		45.7		100
4	COD		mg/l	АРНА 5220-С		40	0.0	250
5	BOD (3days at 27 <sup>0</sup> C	()	mg/l	IS:3025 (Par	t 44) 1993 RA 2009	9	.0	30

\*Standard as per Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 Notified vide G.S.R. 978(E) dated 10.10.2016, published in the Gazette No. 719 dated 10.10.2016.

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(Dr. Divya Misra) **Managing Director** 

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Services Available



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#### **Test Report for Soil Quality**



#### ULR-TC824123000001314

Repor	rt No.		Reference No.		Issue Date	
PCS/S	SQ/01/2023		21/08/2023			
1. Na	ne & address of Industry: M/s Larsen and Toubro Limited Camp Office at KM-18, Khasra No.37 Hapur- I Opp. Jai Doon Public School, Atola District-245206 Uttar Pradesh					
2. Typ	be of industry:	Construction	8. Method of Sampling:	PCS/WI/SAMP/	21	
	nple collected by:	Mr. Vipin Mr. Sunil	9. Date of sampling:	11/08/2023		
	ather Condition:	Clear Sky	10. Sample receipt in lab:	12/08/2023		
5. San	npling Location:	Atrada (CH 17+850)	11. Date of Analysis:	12/08/2023-17/	08/2023	
	Code:	PCS23/149/913	12.Sample Analyzed By	Mr. Ajay Kumar		
	antity of Sample:	1 kg	12.5 ampro 1 mary 200 2 y	1.1.1.1.juj 1101101		
Sl. No.	Parameters			Unit	Result	
1.	Bulk Density			g/cc	1.45	
2.	Water Holding Capacity			%	24.5	
3.	Soil Texture			-	Sandy	
	Sand			%	68.0	
	Silt			%	19.0	
	Clay			%	13.0	
4.	pH			-	8.76	
5.	Conductivity			µS/cm	556.3	
6.	Sodium			mg/kg	52.0	
7.	Potassium			mg/kg	40.3	
8.	Available Phosphorus			mg/kg	16.48	
9.	Organic Carbon			%	0.28	
10.	Total Kjeldhal Nitrogen			mg/kg	302.4	
11.	Iron			mg/kg	0.65	
12.	Cadmium			mg/kg	0.98	
13.	Zinc			mg/kg	1.95	
14.	Manganese			mg/kg	8.95	
15.	Lead			mg/kg	6.85	
16.	Nickel			mg/kg	0.975	
17.	Copper			mg/kg	1.25	
18.	Chromium			mg/kg	5.48	

Note:

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#### **Authorized Signatory**

(Dr. Divya Misra)

**Managing Director** 

"End of this Test Report"

Page 1 of 1

Services Available Environmental Monitoring, Preparation of EIA/EMP, Baseline data generation for Air, Water, Soil, Noise & Meteorology Environmental and Safety Audit reports, Commissioning, Erection, Operation and Maintenance of STP/ETP, Clearances from Ground Water Board, Compliance of E.C., NOC from UPPCB, MoEF



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#### **Test Report for Soil Quality**



#### ULR-TC824123000001315

				10404
rt No.	Ref	erence No.		Issue Date
SQ/02/2023	PCS/I	21/08/2023		
ame & address of Industry:	M/s Larsen and Toubro Limited	Camp Office at KM-18, Khasra	No.37 Hapur- K	Lithaur Road, Opp.
-	Jai Doon Public School, Atola I	District-245206 Uttar Pradesh	_	
be of industry:	Construction	8. Method of Sampling:	PCS/WI/SA	MP/21
	Mr. Vipin Mr. Sunil	9. Date of sampling:	11/08/2023	
ather Condition:	Clear Sky	10. Sample receipt in lab:	12/08/2023	
npling Location:		11. Date of Analysis:	12/08/2023-	- 17/08/2023
Code:	PCS23/149/914	12.Sample Analyzed By	Mr. Ajay K	umar
antity of Sample:	1 kg	1 5 5	5.5	
Parameters			Unit	Result
Bulk Density			g/cc	1.35
Water Holding Capacity			%	27.3
Soil Texture			-	Sandy
Sand			%	65.0
			%	20.0
,			%	15.0
1			-	8.36
, ,				576.3
			00	53.9
			5	39.2
				15.13
				0.36
				235
			5	0.68
				0.83
			00	8.45
				5.35
				0.9
				1.02
				4.48
	ly to the items tested.		111 <u>6</u> / Kg	טד.ד
	SQ/02/2023         ame & address of Industry:         nple collected by:         ather Condition:         npling Location:         o Code:         antity of Sample:         Parameters         Bulk Density         Water Holding Capacity         Soil Texture         Sand         Silt         Clay         pH         Conductivity         Sodium         Potassium         Available Phosphorus         Organic Carbon         Total Kjeldhal Nitrogen         Iron         Cadmium         Zinc         Manganese         Lead         Nickel         Copper         Chromium	SQ/02/2023       PCS/I         ame & address of Industry:       M/s Larsen and Toubro Limited         Jai Doon Public School, Atola I         be of industry:       Construction         mple collected by:       Mr. Vipin Mr. Sunil         ather Condition:       Mamnagar (CH-60MJB)         po Code:       PCS23/149/914         antity of Sample:       1 kg         Parameters       I kg         Bulk Density       Vater Holding Capacity         Soil Texture       Sand         Silt       Clay         pH       Conductivity         Sodium       Potassium         Available Phosphorus       Organic Carbon         Total Kjeldhal Nitrogen       Iron         Cadmium       Zinc         Manganese       Lead         Nickel       Copper	SQ/02/2023       PCS/L&T/04/2023         ame & address of Industry:       M/s Larsen and Toubro Limited Camp Office at KM-18, Khasra Jai Doon Public School, Atola District-245206 Uttar Pradesh         be of industry:       Construction       8. Method of Sampling:         nple collected by:       Mr. Vipin Mr. Sunil       9. Date of sampling:         nple collected by:       Alamnagar (CH-60MJB)       11. Date of Analysis:         polocation:       Alamnagar (CH-60MJB)       11. Date of Analysis:         pCode:       PCS23/149/914       12. Sample Analyzed By         antity of Sample:       1 kg       12. Sample Analyzed By         Parameters         Bulk Density       Vater Holding Capacity       1         Soil Texture       Sand       1         Silt       Clay       1         Clay       PH       1       1         Conductivity       Sodium       1       1         Potassium       Available Phosphorus       1       1         Organic Carbon       1       1       1         Iron       1       1       1       1         Cadmium       1       1       1       1         Soli Texture       1       1       1       1	SQ/02/2023       PCS/L&T/04/2023         ame & address of Industry:       M/s Larsen and Toubro Limited Camp Office at KM-18, Khasra No.37 Hapur-K Jai Doon Public School, Atola District-245206 Uttar Pradesh       PCS/WI/SA         oe of industry:       Construction       8. Method of Sampling:       PCS/WI/SA         ather Condition:       Clear Sky       10. Sample receipt in lab:       12/08/2023         of Gode:       PCS2/149/914       10. Sample receipt in lab:       12/08/2023         nitty of Sample:       1 kg       Mr. Ajay K <b>Parameters Unit</b> Bulk Density       g/cc         Water Holding Capacity       %         Soil Texture       -         Sand       %         Silt       %         Clay       %         Solumin       mg/kg         Potassium       mg/kg         Organic Carbon       %         Total Kjeldhal Nitrogen       mg/kg         Iron       mg/kg         Cadmium       mg/kg         Cadmium       mg/kg         Kg       mg/kg         Soliter       mg/kg         Soliter       mg/kg         Soliter       mg/kg

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#### **Authorized Signatory**

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(Dr. Divya Misra) **Managing Director** 

"End of this Test Report"

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Services Available Environmental Monitoring, Preparation of EIA/EMP, Baseline data generation for Air, Water, Soil, Noise & Meteorology Environmental and Safety Audit reports, Commissioning, Erection, Operation and Maintenance of STP/ETP, Clearances from Ground Water Board, Compliance of E.C., NOC from UPPCB, MoEF