

Environmental Monitoring Report

Semiannual Report (January to June 2021)
July 2021

India: Delhi-Meerut Regional Rapid Transit System
Investment Project - Tranche 1

Attachments and Annexes

Prepared by the National Capital Region Transport Corporation (NCRTC), Government of India for the Asian Development Bank.

This environmental monitoring report is a document of the borrower. The views expressed herein do not necessarily represent those of ADB's Board of Directors, Management, or staff, and may be preliminary in nature.

In preparing any country program or strategy, financing any project, or by making any designation of or reference to a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.

ATTACHMENTS







माहितीसाठी कागद भरणे
 अधिकार/सहायक विभाग
 जी को कायदा क्रम (43/8) वर्षी (अप/विभाग)
 जी पृष्ठ नं. पसंद कर आदी भरणे की परी
 क्रमांक : 0433
 वाता क्र. _____ आर 004/2010/101
 संख्या 4820 दिनांक 27/12/20
 कायदा मराठवाडा उप-कायदा _____
 कार्यालय विभाग को अधिकार कायदा क्र. 004/2010/101
 कोट/वर्ग कायदा 30/30/2010/101
 ठेक नं. 00-1730 ठेकदार कायदा 00/00/00
 गाडी क्र. जी ३/जी ३/जी ३ 10/00/00
 गाडी क्र. कायदा 11/25
 ठेक नं. कोट/वर्ग अधिकार 00/00/00
 ठेक नं. अधिकार/वर्ग अधिकार

C&D Media Processing Facility 11657 Emswiler Court, C-1024K New York, C&D Market, Ontario, Pa. New York 22000		Printed On: 13-Mar-2021 12:48:20AM	
SECOND WEIGHMENT SLIP			
Weighting No.:	25372	Vehicle ID:	UPR7F014
Date of Weighing:		From - Check No.:	JAN
Issuance Date & Time:	13-Mar-21 13:30:10	Counting Date & Time:	13-Mar-21 12:49:16
Transporter ID:	400	Material Name:	MAIBA
Customer/Supplier:	Supplier	Customer/Supplier ID:	84
		Material ID:	01
		Customer/Supplier:	SHANGHAI TUNING RINGS CO LTD
		Net Weight:	1800 kg
Rated Weight:	13320 kg	Raw Weight:	3937 kg
		Net Weight:	1800 kg
Rated Weight:	13200 kg		
Raw Weight:	2000 kg		
Net Weight:	3600 kg		

महाजयाचार्य गणेश गिरीश
अधिवक्ता/व्यवसाय विभाग
सी वी खन्नु रोड (4), (1) पर्री (बंगल/विभाग)
सी एण्ड वी एलॉड बंगल आदर मालवे की पर्री

क्रमांक : _____

M.O. No. _____ DTR. 28/11/2019

तारीख 28/11 दिनांक 20/11/2019

कलम 2(2)(b) उप-कलम _____

संबंधित विभाग से अधिवक्ता का नाम M.Y. Raut

देवता/पत्नी का नाम Gaurang and Tulashibai

जन्म दि. 08-12-78 दस्तावेज का नाम B-2019

पत्नी पुत्री वती है/पत्नी वती है 3276 Sq. Ft.

पत्नी आने का कारण 20/11/2019

दस्तावेज देवता/पत्नी (सीडी) दस्तावेज अधिवक्ता/व्यवसाय

[illegible]

ISO 14001: 2015: 2018 Certificate- Package- 3L2 [M/s L&T]



American Systems Registrar, LLC, a provider of third-party system registration and accredited by the ANSI National Accreditation Board for Registrars of Environmental Management Systems, attests that:

LARSEN & TOUBRO LIMITED HEAVY CIVIL INFRA IC
RRTS P3L2 PROJECT
SECTOR 4C, MDA LAND, NEAR STP PLANT, NEAR PANCHVATI ENCLAVE
SHATABDI NAGAR MEERUT, U.P. 250103

with a scope of:

RRTS P3L2 - CONSTRUCTION OF ELEVATED VIADUCT FROM START OF MODI NAGAR NORTH STATION TO SHATABDI NAGAR STATION AND 5 ELEVATED STATIONS VIZ. MODI NAGAR NORTH, MEERUT SOUTH, PARTAPUR, RITHANI & SHATABDI NAGAR (EXCLUDING ARCHITECTURAL FINISHING & PRE-ENGINEERED STEEL ROOF STRUCTURE OF STATIONS) OF DELHI - GHAZIABAD - MEERUT RRTS CORRIDOR

has established an environmental management system that conforms to the Environmental Management System Standard

ISO 14001:2015

ASR Certificate Number: 8399
Date of Certification: April 8, 2021
Date of Certification Expiration: April 7, 2024
Date of Initial Registration: April 8, 2021
Revision:
Re-Issue Date:

Richella Kingie
President

CERTIFICATE OF REGISTRATION

ISO 14001: 2015 Certificate- Package- 3L2 [M/s L&T]



American Systems Registrar, LLC, a provider of third-party system registration, attests that:

LARSEN & TOUBRO LIMITED HEAVY CIVIL INFRA IC
RRTS P3L2 PROJECT
SECTOR 4C, MDA LAND, NEAR STP PLANT, NEAR PANCHVATI ENCLAVE
SHATABDI NAGAR MEERUT, U.P. 250103

with a scope of:

RRTS P3L2 - CONSTRUCTION OF ELEVATED VIADUCT FROM START OF MODI NAGAR NORTH STATION TO SHATABDI NAGAR STATION AND 5 ELEVATED STATIONS VIZ. MODI NAGAR NORTH, MEERUT SOUTH, PARTAPUR, RITHANI & SHATABDI NAGAR (EXCLUDING ARCHITECTURAL FINISHING & PRE-ENGINEERED STEEL ROOF STRUCTURE OF STATIONS) OF DELHI - GHAZIABAD - MEERUT RRTS CORRIDOR

has established an occupational health and safety management system that conforms to the Occupational Health and Safety Management System Standard

ISO 45001:2018

ASR Certificate Number: 8400
Date of Certification: April 8, 2021
Date of Certification Expiration: April 7, 2024
Date of Initial Registration: April 8, 2021
Revision:
Re-Issue Date:

Richella Kingie
President

CERTIFICATE OF REGISTRATION



UTTAR PRADESH POLLUTION CONTROL BOARD

Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.com, Website: www.uppcb.com

Validity Period :07/11/2020 To 31/07/2025

RefNo. - 109924/UPPCB/Ghaziabad(LAB)/CTE/GHAZIABAD/2020 Dated:- 02/12/2020

To,

Shri SUMENDU DUTTA

M/s MS LARSEN TOUBRO LIMITED

RRTS P3 Lot1 Project, Khasra - 144/1, Asalat nagar, Opp to IGL filling station, Ghaziabad,
Uttar Pradesh,GHAZIABAD,201206
GHAZIABAD

Sub : Consent to Establish for New Unit/Expansion/Diversification under the provisions of Water (Prevention and control of pollution) Act, 1974 as amended and Air (Prevention and control of Pollution) Act, 1981 as amended.

Please refer to your Application Form No.- 10053523 dated - 07/11/2020. After examining the application with respect to pollution angle, Consent to Establish (CTE) is granted subject to the compliance of following conditions :

- Consent to Establish is being issued for following specific details :

A- Site along with geo-coordinates :

B- Main Raw Material :

Main Raw Material Details		
Name of Raw Material	Raw Material Unit Name	Raw Material Quantity
cement	Metric Tonnes/Day	53574.8
10 mm	Metric Tonnes/Day	56535.2
20 mm	Metric Tonnes/Day	84304.8
Admixture 1	Metric Tonnes/Day	404.8
Admixture 2	Metric Tonnes/Day	5.6
Micro Silica	Metric Tonnes/Day	1794.4
Fibre	Metric Tonnes/Day	45.2
sand	Metric Tonnes/Day	93303.2

C- Product with capacity :

Product Detail	
Name of Product	Product Quantity
Ready Mixed Concrete	42000

D- By-Product if any with capacity :

By Product Detail			
Name of By Product	Unit Name	Licence Product Capacity	Install Product Capacity
NOT APPLICABLE	Metric Tonnes/Day	0	0

- Water Requirement (in KLD) and its Source :

Utsav Sharma
Digitally signed by Utsav Sharma
Date: 2020.12.02 10:17:11 +05'30'

Source of Water Details		
Source Type	Name of Source	Quantity (KL/D)
Other	STP Treated Water	46.0
Ground Water (within premises)	Handpump	1.5

3. Quantity of effluent (In KLD) :

Effluent Details	
Source Consumption	Quantity (KL/D)
Domestic	1.0

4. Fuel used in the equipment/machinery Name and Quantity (per day) :

Fuel Consumption Details		
Fuel	Consumption(tpd/kld)	Use
Diesel	360	Diesel used in DG Set

5. For any change in above mentioned parameters, it will be mandatory to obtain Consent to Establish again. No further expansion or modification in the plant shall be carried out without prior approval of U.P. Pollution Control Board.
- For any change in above mentioned parameters, it will be mandatory to obtain Consent to Establish again. No further expansion or modification in the plant shall be carried out without prior approval of U.P. Pollution Control Board.
2. You are directed to furnish the progress of Establishment of plant and machinery, green belt, Effluent Treatment Plant and Air pollution control devices, by 10th day of completion of subsequent quarter in the Board.
3. Copy of the work order/purchase order, regarding instruction and supply of proposed Effluent Treatment Plant/Sewerage Treatment Plant /Air Pollution control System shall be submitted by the industry till 31/07/2025 to the Board.
4. Industry will not start its operation, unless CTO is obtained under water (Prevention and control of Pollution) Act, 1974 and Air (Prevention and control of Pollution) Act, 1981 from the Board.
5. It is mandatory to submit Air and Water consent Application, complete in all respect, four months before start of operation, to the U.P. Pollution Control Board.
6. Legal action under water (Prevention and control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 may be initiated against the industry With out any prior information, in case of non compliance of above conditions.

Specific Conditions:

1. Industry shall comply the provisions of EP Act, 1986, Water (Prevention and Control of Pollution) Act, 1974 as amended, Air (Prevention and Control of Pollution) Act, 1981 as amended.
2. Industry shall dispose the hazardous waste through authorized recyclers/TSDF.
3. Industry shall comply the provisions of notification dt. 07-10-2016 of Ministry of Water Resources, River Development and Ganga Conservation GOI. Industry shall comply the order passed by Hon'ble NGT time to time.
4. This consent to establish is valid for establishment of RMC readymix- 42000 MTM.
5. Industry shall not start production without prior consent of the board.
6. All construction activities shall be according to authority guidelines.
7. The dust emission from the construction sites will be completely controlled and all precautions will be taken in that behalf.
8. Unit will put tarpaulin scaffolding around the area of construction and the building for effective and efficient control of dust emission generated during construction of the project.
9. Storage of any construction material particularly sand will not be done on any part of street and roads in the projects area.
10. The construction material of any kind stored on site will be fully covered in all respect so that it does not disperse in the air in any form.
11. All the construction material & debris will be carried in trucks or vehicles which are fully covered and protected so as to ensure that the construction debris or construction material does not get dispersed into the air or atmosphere in any form whatsoever.
12. The vehicles carrying construction debris or construction material of any kind will be cleaned before it is permitted to ply on the road after unloading of such material.
13. Every worker working on the construction site and involved in loading, unloading and carriage of construction debris or construction material shall be provided with mask to prevent inhalation of dust particle.
14. All medical help, investigation and treatment will be provided to the workers involved in the construction of building and carrying of construction of building and carrying of construction debris or construction material related to dust emission.
15. The transportation of construction material and debris waste to construction site, dumping site or any other place will be carried out in accordance with rules.
16. Fixing of sprinklers and creation of green air barriers will be done to control fugitive dust emission and improve environment.
17. Wind breaking wall will be constructed around the construction site.
18. For the development of the green belt the guidelines issued vide Board office order no. H10405/220/2018/02 Dt. 16-02-2018 shall be complied.
19. Unit shall comply with various Waste Management Rules as notified by MoEF & CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Trans boundary) Rules, 2016, E-waste (Management) Rules, 2016, Construction and Demolition Waste management Rules, 2016.
20. The plant shall not use any ground water whatsoever for sprinkling/washing/mixing or any other industrial process. Only STP Treated water is permitted to be used.

Please note that consent to Establish will be revoked, in case of, non compliance of any of the above mentioned conditions. Board reserves its right for amendment or cancellation of any of the conditions specified above. Industry is directed to submit its first compliance report regarding above mentioned specific and general conditions till 02/01/2021 in this office. Ensure to submit the regular compliance report otherwise this Consent to Establish will be revoked.

Utsav Sharma
Digitally signed by Utsav Sharma
Date: 2020.12.02
10:16:46 +05'30'

Regional Officer, Ghaziabad

Dated:- 02/12/2020

Copy To -

CEO-1, UPPCB, Lucknow.

Regional Officer, Ghaziabad



UTTAR PRADESH POLLUTION CONTROL BOARD
Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010
Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.com, Website: www.uppcb.com

CONSENT ORDER

Ref No. -
116234/UPPCB/Ghaziabad(UPPCBRO)/CTO/air/GHAZIABAD/2020

Dated : 19/03/2021

To ,

Shri SUMENDU DUTTA
M/s MS LARSEN TOUBRO LIMITED
Khasra - 172/1, Pargana -Jallalabad, Village - Yusufpur, Manoutta, Tehsil - Modinagar, District-
Ghaziabad, Uttar Pradesh
GHAZIABAD

Sub : Consent under section 21/22 of the Air (Prevention and control of Pollution) Act, 1981 (as amended)
to M/s. MS LARSEN TOUBRO LIMITED

Reference Application No. 10694616

Dated : 19/03/2021

1. With reference to the application for consent for emission of air pollutants from the plant of M/s MS LARSEN TOUBRO LIMITED. under Air Act 1981. It is being authorised for said emissions, as per the standards, in environment, by the Board as per enclosed conditions .
2. This consent is valid for the period from 30/12/2020 to 31/07/2023 .
3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 21 (6) of the Air (Prevention and Control of Pollution) Act, 1981 as amended.
This consent is being issued with the permission of competent authority .

Utsav
Sharma
Digitally signed
by Utsav Sharma
Date: 2021.03.19
12:58:01 +05'30'

For and on behalf of U.P. Pollution Control Board

REGIONAL OFFICER, GHAZIABAD

Enclosed : As above
(condition of consent):

Copy to: CEO-1, UPPCB, LUCKNOW

REGIONAL OFFICER, GHAZIABAD

U.P. Pollution Control Board

Dated : 19/03/2021

CONDITIONS OF CONSENT

1. This consent is valid only for the approved production capacity of Ready Mixed Concrete – 42000 MT/Month.
2. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/ process /fuel/ plant machinery failing which consent would be deemed void.
- 3(a) The maximum rate of emission of flue gas should not be more than the emission norms for the stacks.
- 3(b) Air Pollution Source Details.

Air Pollution Source Details					
S.No	Air Pollution Source	Type of Fuel	Stack No.	Parameters	Height
1	DG SET 250 KVA	HSD-200 LTR	1	Particulate Matter	4.5 MTR

- 3(c) The emissions by various stacks into the environment should be as per the norms of the Board .

Emission Quality Details Detail			
S.No	Stack No	Parameter	Standard

4. Quantity of other pollutants should also be as per the norms prescribed by the Board/MOEF & CC/or otherwise mandatory .
5. The equipment for air pollution control system and monitoring ,as proposed by the industry and approved by the Board should be installed in their premises itself .
6. The modification or installation in the existing pollution control equipments should be done only by prior approval of Board .
7. The operation of air pollution control system and maintenance be done in such a way that the quantity of pollutants should be in accordance with the standards prescribed by the Board/MoEF & CC/or otherwise mandatory .
8. Unit should do provisions for fugitive emissions chimney/stack as per the norms of the Board/MOEF & CC/or otherwise mandatory .
9. The unit should submit the stack emissions monitoring report within one month from issuance of consent order along with the point wise compliance report of the consent order . Further quarterly monitoring report should be submitted .

The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

Specific Conditions:

1. Unit shall not draw ground water without valid permission of competent authority.
2. Unit shall comply the provisions of EP Act, 1986, Water Prevention and Control of Pollution) Act, 1974 as amended, Air (Prevention and Control of Pollution) Act, 1981 as amended.
3. Unit shall dispose the hazardous waste through authorized recyclers/TSDF.
4. The consent fee submitted in this office, if inadequate shall be submitted by unit.
5. Unit shall comply the provisions of notification dated 07-10-2016 of Ministry of Water Resources, River Development and Ganga Conservation, GOI.
6. Unit shall abide by directions given by Hon'ble Supreme Court, High Court, National Green Tribunals, Central Pollution Control Board and Uttar Pradesh Pollution Control Board for protection and safeguard of environment from time to time.
7. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product /process /fuel/ plant machinery failing which consent would be deemed void.
8. Unit shall submit the compliance of conditions within 01 month from receipt of this letter.
9. Unit should not discharge any kind of industrial effluent. This consent is valid for only domestic discharge.
10. For the development of the green belt the guidelines issued vide Board office order no. H10405/220/2018/02 Dt. 16-02-2018 shall be complied.
11. The board have right to modify any condition as & when require in compliance of any change in environmental guidelines and Hon'ble courts orders passed time to time.
12. Unit shall comply with various Waste Management Rules as notified by Moef & CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Trans boundary) Rules, 2016.
13. If the CPCB or UPPCB issues the Closure order against the unit this consent order stands automatically suspended for that period.
14. Unit shall ensure proper sprinkling with water tanker and Anti-Smog Gun installed in premises.
15. If the consent fee is due, the payment will be payable as per the rules.

Issued with the permission of competent authority .

Utsav Sharma
Digitally signed by
Utsav Sharma
Date: 2021.01.19
10:42:11 +05'30'

For and on behalf of U.P. Pollution Control Board .

REGIONAL OFFICER, GHAZIABAD



UTTAR PRADESH POLLUTION CONTROL BOARD
Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010
Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.com, Website: www.uppcb.com

CONSENT ORDER

Ref No. -
116262/UPPCB/Ghaziabad(UPPCBRO)/CTO/water/GHAZIABAD/2020

Dated : 19/03/2021

To ,

Shri SUMENDU DUTTA
M/s MS LARSEN TOUBRO LIMITED
Khasra - 172/1, Pargana -Jallalabad, Village - Yusufpur, Manoutta, Tehsil - Modinagar, District-
Ghaziabad, Uttar Pradesh
GHAZIABAD

Sub : Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974
(as amended) for discharge of effluent to M/s. MS LARSEN TOUBRO LIMITED

Reference Application No :10697706

Dated :19/03/2021

1. For disposal of effluent into water body or drain or land under The Water (Prevention and control of Pollution) Act, 1974 as amended (here in after referred as the act) M/s. MS LARSEN TOUBRO LIMITED is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tank/soak pit subject to general and special conditions mentioned in the annexure ,in refrence to their foresaid application .
2. This consent is valid for the period from 30/12/2020 to 31/07/2023 .
3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the Water (Previntion and Controt of Pollution) Act, 1974 as amended .

This consent is being issued with the permission of competent authority .

Utsav Sharma
Digitally signed by Utsav Sharma
Date: 2021.03.19
14:13:13 +05'30'

For and on behalf of U.P. Pollution Control Board

REGIONAL OFFICER, GHAZIABAD

Enclosed : As above
(condition of consent):

Copy to: CEO-1, UPPCB, LUCKNOW

REGIONAL OFFICER, GHAZIABAD

U.P. POLLUTION CONTROL BOARD, LUCKNOW

Annexure to Consent issued to M/s.MS LARSEN TOUBRO LIMITED vide

Consent Order No. 10697706/ Water

Dated : 19/03/2021

CONDITIONS OF CONSENT

1. This consent is valid only for the approved production capacity of Ready Mixed Concrete – 42000 MT/Month.
2. The quantity of maximum daily effluent discharge should not be more than the following :

Effluent Discharge Details			
S.No	Kind of Effluent	Maximum daily discharge,KL/day	Treatment facility and discharge point
1	Domestic	1	Septic Tank

3. Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. The treated domestic and industrial effluent if discharged outside the premises, if meets at the end of final discharge point, arrangement should be made for measurement of effluent and for collecting its sample. Except the effluent informed in the application for consent no other effluent should enter in the said arrangements for collection of effluent. It should also be ensured that domestic effluent should not be discharged in storm water drain .
- 4(a) The domestic effluent should be treated in treatment plant so that the should be in conformity with the following norms dated treated effluent .

Domestic Effluent		
S.No	Parameter	Standard
1	Total Suspended Solids	100 mg/l
2	BOD	30 mg/l
3	COD	250 mg/l
4	Oil & Grease	10 mg/l
5	Quantity of Discharge	1 KLD

- 4(b). The industrial effluent should be treated in treatment plant so that the treated effluent should be in conformity with the following norms. .

Industrial Effluent		
S.No	Parameter	Standard
1	Quantity of Discharge	48 KLD Water use in process 100 % reuse

5. Effluent generated in all the processes, bleed water, cooling effluent and the effluent generated from washing of floor and equipments etc should be treated before its disposal with treated industrial effluent so that it should be according to the norms prescribed under The Environment (Protection) Act, 1986 or otherwise mandatory .
6. The other pollutant for which norms have not been prescribed, the same should not be more than the norms prescribed for the water used in manufacturing process of the industry .
7. The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/standards prescribed under The Environment (Protection) Act, 1986.
8. The treated domestic and industrial effluent be mixed (as per the provisions of Condition No. 2) and disposed of on one disposal point. This common effluent disposal point should have arrangement for flow meter/V Notch for measuring effluent and its log book be maintained .
9. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

Specific Conditions:

1. Unit shall not draw ground water without valid permission of competent authority.
2. Unit shall comply the provisions of EP Act, 1986, Water Prevention and Control of Pollution) Act, 1974 as amended, Air (Prevention and Control of Pollution) Act, 1981 as amended.
3. Unit shall dispose the hazardous waste through authorized recyclers/TSDF.
4. The consent fee submitted in this office, if inadequate shall be submitted by unit.
5. Unit shall comply the provisions of notification dated 07-10-2016 of Ministry of Water Resources, River Development and Ganga Conservation, GOI.
6. Unit shall abide by directions given by Hon'ble Supreme Court, High Court, National Green Tribunals, Central Pollution Control Board and Uttar Pradesh Pollution Control Board for protection and safeguard of environment from time to time.
7. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product /process /fuel/ plant machinery failing which consent would be deemed void.
8. Unit shall submit the compliance of conditions within 01 month from receipt of this letter.
9. Unit should not discharge any kind of industrial effluent. This consent is valid for only domestic discharge.
10. For the development of the green belt the guidelines issued vide Board office order no. H10405/220/2018/02 Dt. 16-02-2018 shall be complied.
11. The board have right to modify any condition as & when require in compliance of any change in environmental guidelines and Hon'ble courts orders passed time to time.
12. Unit shall comply with various Waste Management Rules as notified by Moef & CC i.e. Plastic Waste Management Rules, 2016, Solid Waste Management Rules, 2016, Hazardous and Other Wastes (Management and Trans boundary) Rules, 2016.
13. If the CPCB or UPPCB issues the Closure order against the unit this consent order stands automatically suspended for that period.
14. Unit shall ensure proper sprinkling with water tanker and Anti-Smog Gun installed in premises.
15. If the consent fee is due, the payment will be payable as per the rules.

Issued with the permission of competent authority .

Utsav
Sharma

For and on behalf of U.P. Pollution Control Board .

REGIONAL OFFICER, GHAZIABAD

GST No. 06ACHFS7413E1Z8

Mob. : 9873374406
9812717127**SHRUTI PETROCHEM INDUSTRIES**

Regd. with Ministry of Env. & Forests / CPCB Govt. of India, New Delhi as recycle & re-processor

Petroleum Refining, Hazardous, Used Waste Oil

Plot No. 41/10/1-8, Village Lohar Heri Tehsil Bahadurgarh, Distt. Jhajjar (HR)

E-mail : shrutipetrochem2013@gmail.com

Ref. No.

Dated: 3/10/2020

MEMORANDUM of UNDERSTANDING**This Memorandum undertaking is made on 01/10/2020****Between**

M/s SHRUTI PETROCHEM INDUSTRIES Address PLOT NO. 41/10/1-8, VILLAGE LOHAR HERI TEHSIL BAHADURGARH, DISTT JHAJJAR-HR herein after referred to as purchaser (used waste oil) which expression unless repugnant to the context or meaning there of be deemed to mean and include it's successors assign of M/s SHRUTI PETROCHEM INDUSTRIES.

AND

LARSEN & TOUBRO Construction, Heavy Civil IC, RRTS P3 LOT 2 Project, Sector-4C, MDA Land, Shatabdi Nagar, Meerut- 250003, Uttar Pradesh, which expression unless repugnant to the context or meaning there of be deemed to mean and include it's successors assign of LARSEN & TOUBRO Construction, Heavy Civil IC.

Whereas, LARSEN & TOUBRO Construction, Heavy Civil IC has approached M/s SHRUTI PETROCHEM INDUSTRIES for the collection and disposal of waste oil from LARSEN & TOUBRO Construction, Heavy Civil IC.

M/s SHRUTI PETROCHEM INDUSTRIES agree to collect and dispose waste oil LARSEN & TOUBRO Construction, Heavy Civil IC, RRTS P3 LOT 2 Project Both parties do here by agrees following:

1. This MOU is valid up to 30/09/2021
2. As mutually agreed that M/s SHRUTI PETROCHEM INDUSTRIES will settle the bill for when purchasing the waste oil from us, based on prevailing market rate time to time and LARSEN & TOUBRO Construction, Heavy Civil IC, RRTS P3 LOT 2 Project will pay for taking the waste oil.

The individual signing this MOU on its behalf, who names, appears below.

For M/s LARSEN & TOUBRO

For M/s SHRUTI PETROCHEM INDUSTRIES

Authorized Signatory

For Shruti Petrochem Industries

Authorized Signatory
Auth. Signatory

Sensitivity: LNT Construction Internal Use



Larsen & Toubro Limited
L&T Construction
Heavy Civil Infrastructure
Mount Poonamallee Road, Manapakkam
P. B. No. 979, Chennai - 600 089, INDIA

CIN: L99999MH1946PLC004768

GST: 09AAACL0140P4ZE

Ref- No: L&T/RRTS-P3L2/COMMON/

Date: 26/11/2020

To,

Synergy Waste Management (P) Ltd.

Subharti Medical College

Subharti Puram

Meerut

Tel. 011-27933371, 27933381, 27933382, 26933371

Ref. No. : Your Quotation dtd. Nov 09th, Nov 11th 2020 and our discussions on 24th and today

Subject : Terms & Conditions regarding your providing bio-medical waste disposal services at our L&T site

Dear Sir,

With reference to the discussion had with you today, we summarize herewith the terms and conditions for your providing "Bio-Medical Waste Management Services" at our First-Aid room at Larsen & Toubro Ltd., Sector 4 C, Village Rithani, Shatabdi Nagar, Dist. Meerut.

The following terms and conditions will come into force from 26th November 2020 and shall be valid for a period of one year i.e. until 26th November 2021 and thereafter renewed based on mutual agreement until completion of our project "DM/CN/COR-OF/059, LOT-P3L2 – Construction of elevated viaduct from start of ModiNagar North station to Shatabdi Nagar station and 5 elevated stations viz. ModiNagar North, Meerut South, Partapur, Rithani & Shatabdi Nagar of Delhi-Ghaziabad – Meerut RRTS corridor.

- 1) Your firm should be registered in UP Pollution Control Board
- 2) Your Service charges for collection, transportation, treatment and disposal of bio-medical waste shall be Rs.2,200/- per month subject to weight limit of 30 kg per month. For additional weight (over 30 kg per month) of bio-medical waste your service charges shall be @ Rs.30/- per kg. As and when bio-medical waste is generated at our site irrespective of size of quantity, the same shall be intimated to you for immediate collection, transportation, treatment and disposal.
- 3) You shall provide polybags as required (15 each Red & Yellow small size) without any extra cost to us.
- 4) Cost towards dustbin & other consumables required for the waste management shall be borne by us.



Page 1 of 2



LARSEN & TOUBRO

*Larsen & Toubro Limited
L&T Construction
Heavy Civil Infrastructure
Mount Poonamallee Road, Manapakkam
P. B. No. 979, Chennai - 600 089, INDIA*

- 5) GST : Presently, Nil. If Govt levies in future, the same shall be extra charges as applicable.
- 6) One time registration fee Rs.1,000/-
- 7) Security Deposit : Nil
- 8) **Payment Terms** : Within 15 days after your execution of work and receipt and acceptance of your bill.

Payment through RTGS / NEFT (based on your furnishing proper bank details)

Deductions : Income Tax as applicable will be deducted from the bills as per statutory rules. TDS certificate shall be issues after completion of the financial year.

Kindly acknowledge the receipt of this letter as token of your acceptance.

Your's faithfully,

For and on behalf of

LARSEN & TOUBRO LIMITED

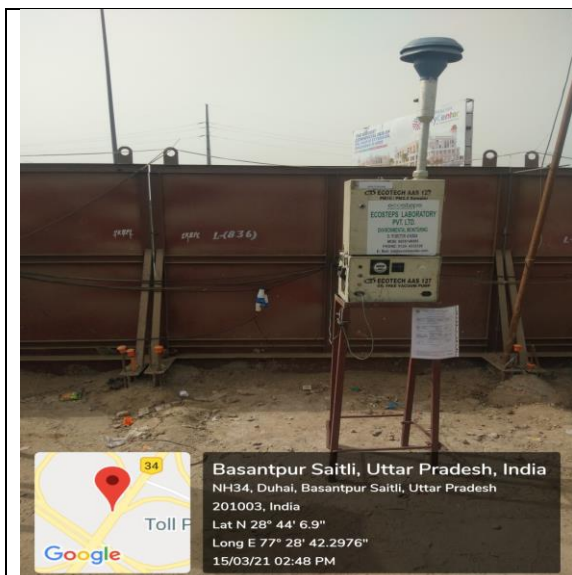
Sanjay Singh Gangwar
Project Manager
RRTS- P3L2
Heavy Civil Infrastructure IC



Synergy Waste Management (P) Ltd.

(Received & accepted L&T's terms & conditions)

Attachment-7 Environmental Monitoring Photographs



Air Quality Monitoring by External Agency



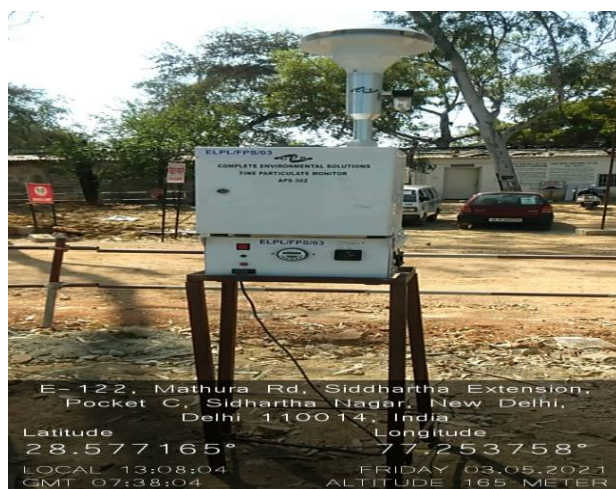
Air Quality Monitoring by External Agency



Noise Monitoring by External Agency



Noise Monitoring by External Agency



Air Quality Monitoring by External Agency



Air Quality Monitoring by External Agency

Attachment-7 Environmental Monitoring Photographs



Air Quality Monitoring by External Agency

Air Quality Monitoring by External Agency



Noise Monitoring by External Agency

Noise Monitoring by External Agency



Air Quality Monitoring by External Agency

Air Quality Monitoring by External Agency



ENVIRO-TECH SERVICES

An Analytical Laboratory

An Environment, Food, Ayush, Ores & Minerals Analytical Laboratory

(An ISO 9001:2015, 14001:2015 and 45001:2018 Certified Company)

Accredited by ISO/IEC-17025:2017 (NABL) & UPPCB

Plot No. 1/32, South Side G.T. Road Industrial Area, Ghaziabad (U.P.)-201001

email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063



TEST REPORT

TEST REPORT NO.: ETS/113/02/2021

URLNO.TC877121000001675P

DATE OF REPORT: 12.02.2021

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/s, APCO CRFG (JV) RRTS PROJECT
PLOT NO. 117, DELHI MEERUT ROAD, NH-58 GULDHAR
GHAZIABAD, U.P.

Date of Monitoring : 08.02.2021

Analysis Start Date : 10.02.2021

Analysis End Date : 12.02.2021

Duration Of Monitoring : 08.02.2021 To 09.02.2021

Time Of Monitoring : 10.00 AM To 10.00 AM (CO & O₃ for 1.0 Hrs.)

Sample ID No : 113/02

Sampling Done By : ETS STAFF

Sampling Location : AT CASTING YARD, DUHAI GZB.

Sampling Method : ETS/STP/AIR-01

Sampling Machine Placed At Height : 1.5 METER FROM GROUND LEVEL

Weather Condition : CLOUDY **Ambient Temperature:** 22.0 °C

Wind Direction : SE To WN **Relative Humidity:** 74.9 %

Equipment Used : Respirable Dust Sampler (PM₁₀) + Fine Particulate Sampler (PM_{2.5})

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters, (PM ₁₀)	µg/m ³	182.2	For 24 Hrs.=100	IS 5182 (Part-23)
2	Particulate Matters, (PM _{2.5})	µg/m ³	90.6	For 24 Hrs.=60	ETS/STP/AIR-03
3	Sulphur Dioxide, (SO ₂)	µg/m ³	20.3	For 24 Hrs.=80	IS: 5182 (Part-2)
4	Nitrogen Dioxide, (NO ₂)	µg/m ³	26.7	For 24 Hrs.=80	IS: 5182 (Part-6)
5	Carbon Monoxide, (CO)*	mg/m ³	0.91	For 8 Hrs.=2 / For 1 Hrs.=4	IS 5182 (Part-10)
6	Ammonia, (NH ₃)	µg/m ³	1.0	For 24 Hrs.=400	ETS/STP/AIR-08
7	Arsenic, (As)	ng/m ³	<1.0	For Annual=06	CPCB, Vol.-1, Pg.-48
8	Benzene, (C ₆ H ₆)	µg/m ³	<1.0	For 24 Hrs.=5	IS 5182 (Part-11)
9	Benzo (a) Pyrene (BaP)*	ng/m ³	<0.05	For Annual=01	IS 5182 (Part-12)
10	Ozone, (O ₃)	µg/m ³	22.0	For 8 Hrs.=100/ For 1 Hrs.=180	IS: 5182 (Part-9)
11	Lead, (Pb)	µg/m ³	<0.05	For 24 Hrs.=1	IS 5182 (Part-22)
12	Nickel, (Ni)	ng/m ³	<1.0	For Annual=20	CPCB, Vol.-1, Pg.-48

Remark:- Star (*) marked not cover in NABL scope.

*****End of Test Report*****

Page 1 of 1



FOR ENVIRO-TECH SERVICES

For Enviro- Tech Services

MD Humraj
AUTHORIZED SIGNATORY

Format No ETS/LAB/TR-01, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

Note:-

1. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.
2. The samples received shall be destroyed after 15 days from the date of test report issued.
3. The results indicated only refer to the tested samples and listed applicable parameters.
4. Our liability is limited to invoice value only.



ECOSTEPS LABORATORY PRIVATE LIMITED
(Complete Test House For Testing of Environmental sample)
NABL Accredited and MoEF&CC Approved Laboratory
ISO 9001 : 2015 & OHSAS 18001 Certified

TEST REPORT

Issued to
M/s LARSEN & TOUBRO LIMITED
RRTS PACKAGE 7
B-34, Near ICICI Bank, Pallav Puram Phase-01
Modipuram, Meerut-250110 (UP)

Doc No. : ELPL/IV/QF/20
Amend. No. & Amend. Date : 02 & 17.02.2018
Lab Reference No. : 210301008 N
Issue Date : 04/03/2021
Your Reference : Email

Project: RRTS P7

(Page 1 of 1)

Sample Particulars: Ambient Noise Level Testing Monitoring was done at Pre Casting Yard near Panchvati enclave, Meerut (UP) on 25/02/2021 to 26/02/2021.

Latitude- 28°55'51.23"
Longitude- 77°40'00.91"

Type of sample	: Ambient Noise	Sample Registration Date	: 01/03/2021
Sampling Date	: 25/02/2021- 26/02/2021	Analysis Starting Date	: 01/03/2021
Sampling Done by	: Lab representative	Analysis Completion Date	: 02/03/2021
Quantity received	: 24 Hourly Sample	Sampling Method	: ELPL/III/SOP/37

Noise Level Testing Results					
Sr. No	Time (Hrs)	dB(A) Leq	Sr. No	Time (Hrs)	dB(A) Leq
1	06:00 to 07:00	57.4	13	18:00 to 19:00	66.8
2	07:00 to 08:00	60.3	14	19:00 to 20:00	65.9
3	08:00 to 09:00	67.3	15	20:00 to 21:00	60.5
4	09:00 to 10:00	66.1	16	21:00 to 22:00	58.4
5	10:00 to 11:00	66.4	17	22:00 to 23:00	63.8
6	11:00 to 12:00	63.9	18	23:00 to 00:00	65.1
7	12:00 to 13:00	68.3	19	00:00 to 01:00	62.9
8	13:00 to 14:00	65.9	20	01:00 to 02:00	61.2
9	14:00 to 15:00	67.4	21	02:00 to 03:00	58.9
10	15:00 to 16:00	68.3	22	03:00 to 04:00	57.6
11	16:00 to 17:00	65.1	23	04:00 to 05:00	56.4
12	17:00 to 18:00	64.7	24	05:00 to 06:00	55.1

Testing Results			
Parameter	Unit	Day	Night
L _{min}	dB(A)	48.3	45.9
L _{max}	dB(A)	82.0	78.2
L ₁₀	dB(A)	67.9	64.2
L ₅₀	dB(A)	59.6	55.3
L ₉₀	dB(A)	55.4	49.7
Leq	dB(A)	64.5	60.1
Leq DN	dB(A)	63.5	

Standards for Ambient Noise As per Noise Pollution (Regulation & Control Rule-2000)			
Area Code	Category of Area/Zone	Limits in dB (A) Leq*	
		Day time	Night time
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Analyzed By
(Vikash Kumar)

Checked By
(Dr. Ramesh C. Tripathi)

Authorized Signatory
(Purushottam Kumar Sharma)

Laboratory: D-79, Ground Floor, Sec-6, Noida-201301, U.P. (India)
Email : bd@ecostepslab.com | www.ecostepslab.com | Tel : +91 120 4333226
CIN-U93000DL2014PTC267663



ARIHANT ANALYTICAL LABORATORY PVT. LTD.

(NABL Accredited Laboratory)

272, Phase-IV, Sec-57, HSIIDC, Kundli, Sonapat-131028 (Haryana)

Ph. : 7082301442, 9250014551 E-mail: aalkundli@gmail.com

Website : www.aalkundli.com



TC-5826

TEST CERTIFICATE

Page 1 of 1

Issued To:	M/s KEC International Limited Duhai Depot Project, Khasra No.601, Village & PO – Bhikkanpur (Duhai) PS- Babudham, Dist. Ghaziabad – 201 206	Report No.	AAL WQT-20210409001
Sample Description:	One sample described as Drinking Water, was received.	Date of Receiving:	09/04/2021
		Date of Starting:	09/04/2021
		Date of Completion:	16/04/2021
Sample ID:	Admin Building	Date of Reporting:	16/04/2021
		Sample Qty.:	2 Litre
		Sample Packing Condition:	Plastic Bottle
		Sample Collected By:	AAL

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
1	Colour	Hazen	<5.0	5 Max.	15 Max.	IS 3025(P-4)-1983	Yes
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-1983	Yes
3	pH Value	-	7.60	6.5-8.5	No relaxation	IS 3025(P-11)-1983	Yes
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-7)-1984	Yes
5	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-1984	Yes
6	Total Dissolved Solids	mg/l	391.0	500 Max.	2000 Max.	IS 3025(P-16)-1984	Yes
7	Aluminium (as Al)	mg/l	BDL	0.03 Max.	0.2 Max.	IS 3025(P-55)-2003	Yes
8	Anionic Detergent (as MBAS)	mg/l	BDL	0.2 Max.	1.0 Max.	APHA 5540 C	Yes
9	Boron (as B)	mg/l	BDL	0.5 Max.	2.4 Max.	IS 3025(P-57)-2005	Yes
10	Calcium (as Ca)	mg/l	48.0	75 Max.	200 Max.	IS 3025(P-40)-1991	Yes
11	Chlorides (as Cl)	mg/l	19.0	250 Max.	1000 Max.	IS 3025(P-32)-1988	Yes
12	Copper (as Cu)	mg/l	BDL	0.05 Max.	1.5 Max.	IS 3025(P-42)-1992	Yes
13	Fluoride (as F)	mg/l	0.13	1 Max.	1.5 Max.	IS 3025(P-60)-1984	Yes
14	Residual free chlorine	mg/l	Nil	0.2 Min. (when Chlorinated)	1.0 Min. (when Chlorinated)	IS 3025(P-26)-1986	-
15	Iron (as Fe)	mg/l	0.10	1.0 Max.	No relaxation	IS 3025(P-53)-2003	Yes
16	Magnesium (as Mg)	mg/l	38.0	30 Max.	100 Max.	IS 3025(P-46)-1994	Yes
17	Manganese (as Mn)	mg/l	BDL	0.1 Max.	0.3 Max.	IS 3025(P-59)-2006	Yes
18	Nitrate (as NO ₃)	mg/l	2.64	45 Max.	No relaxation	IS 3025(P-34)-1988	Yes
19	Phenolic Compound (as C ₆ H ₅ OH)	mg/l	BDL	0.001 Max.	0.002 Max.	IS 3025(P-43)-1992	Yes
20	Selenium (as Se)	mg/l	BDL	0.01 Max.	No relaxation	IS 3025(P-56)-2003	Yes
21	Sulphate (as SO ₄)	mg/l	12.6	200 Max.	400 Max.	IS 3025(P-24)-1986	Yes
22	Total Alkalinity (as CaCO ₃)	mg/l	252.0	200 Max.	600 Max.	IS 3025(P-23)-1986	Yes
23	Total Hardness (as CaCO ₃)	mg/l	278.0	200 Max.	600 Max.	IS 3025(P-21)-2009	Yes
24	Zinc (as Zn)	mg/l	BDL	5 Max.	15 Max.	IS 3025(P-49)-1994	Yes
25	Cadmium (as Cd)	mg/l	BDL	0.003 Max.	No relaxation	IS 3025(P-41)-1992	Yes
26	Nickel (Ni)	mg/l	BDL	0.01 Max.	No relaxation	IS 3025(P-54)-2003	Yes
27	Lead (as Pb)	mg/l	BDL	0.01 Max.	No relaxation	IS 3025(P-47)-1994	Yes
28	Mercury (as Hg)	mg/l	BDL	0.001 Max.	No relaxation	IS 3025(P-48)-1992	Yes
29	Total Arsenic (as As)	mg/l	BDL	0.01 Max.	No relaxation	IS 3025(P-37)-1988	Yes
30	Total Chromium (as Cr)	mg/l	BDL	0.05 Max.	No relaxation	IS 3025(P-52)-2003	Yes
31	E.Coli	Per 100ml	Absent	Shall not be detectable in any 100 ml of sample		IS 1622-1981	Yes
32	Total Coliform	Per 100ml	Absent	Shall not be detectable in any 100 ml of sample		IS 1622-1981	Yes

BDL=Below Detection Limit, DL=Detection Limit, Note: -Test parameters marked (*) are not covered under NABL Scope.

Remarks: The above stated parameter complies with 10500:2012 within permissible limit (in the absence of alternate source) for specific parameters Total Hardness & Total Alkalinity

End of Report

Vinay Dixit
(Microbiologist)

Ashutosh Srivastava
(SR. ANALYST) Authorised Signatory

Note: 1. The Result Indicated above refer to the tested sample and listed test parameters only, endorsement of products is neither inferred nor implied.
2. Total liability of our laboratory is limited to the invoice amount.
3. This report shall not be reproduced wholly or in part without written consent of the laboratory.
4. This report shall not be used in any advertising media or as evidence in the court of law without prior written consent of the laboratory.
5. The non-perishable sample received shall be destroyed after one month and perishable sample shall be destroyed after one week from the date of issue of report unless specified.



ECOSTEPS LABORATORY PRIVATE LIMITED
(Complete Test House for testing of Environmental Samples)
NABL Accredited and MoEF&CC Approved Laboratory
ISO 9001 : 2015 & OHSAS 18001 Certified

TEST REPORT

Issued to

M/s AFCONS Infrastructure Ltd
B-156, 1st floor, Near Metro pillar-167
New Ashok Nagar, Delhi-110036

Doc No. : ELPL/IV/QF/20
Amend. No. & Amend. Date : 02 & 17.02.2018
Lab Reference No. : 210619025 E
Issue Date : 24/06/2021
Your Reference : AFCONS/3570/PM/
QS/WO-37,
dated-05/02/2021
(Page 1 of 1)

Project: DM/CN/COR-OF/095 Package-6, New Delhi for NCRTC.

Sample Particulars: DG Stack monitoring was monitored at Ghazipur Casting Yard, Ghazipur, Delhi on 18/06/2021.

Type of sample	: DG Stack	Sample Registration Date	: 19/06/2021
Sampling Date	: 18/06/2021	Analysis Starting Date	: 19/06/2021
Sampling Done by	: Lab representative	Analysis Completion Date	: 24/06/2021
Quantity received	: 01 Sample	Tests Required	: Mentioned below
Sample's Location	: Ghazipur Casting Yard	Sampling Method	: ELPL/III/SOP/32
DG Capacity	: 200 KW (250 KVA)		
DG Serial Number	: 84522144		
DG Make & Model	: Cummins & 6L8.9TAA-G4		
Source of Emission	: Stack attached to DG Set		
Type of fuel used	: HSD		
Type of Stack	: Circular		
Operating Schedule	: As per requirement		
Diameter of Stack (m)	: 0.15		
Height of Stack from Ground level (m)	: 4		
Height of Stack from roof level (m)	: -		
Time of sampling (minutes)	: 41		
Ambient Temperature (k)	: 307		
Stack Temperature (k)	: 455		
Average velocity of flue emission (m/s)	: 9.24		
Isokinetic flow rate (l/m)	: 24.7		
Flue gas flow rate (m ³ /hr.)	: 587.5		

S.no.	Test Parameters	Results	Units	Test Method	Emission Limits as per EP Rules
1.	Particulate Matter(PM)	0.12	g/kw-hr	IS 11255(P-1)	≤ 0.2
2.	Sulphur Dioxide(SO ₂)	0.53	g/kw-hr	IS 11255(P-2)	Not specified
3.	Oxides of Nitrogen(NOx)	1.37	g/kw-hr	IS 11255(P-7)	≤ 4.0
4.	Hydrocarbon(HC) as CH ₄	0.28	g/kw-hr	IS 5182(P-17)	
5.	Carbon monoxide(CO)	0.72	g/kw-hr	IS 13270:1992	≤ 3.5

Analyzed By
(Vikash Kumar)

Checked By
(Dr. Ramesh C. Tripathi)

Authorized Signatory
(Purushottam Kumar Sharma)

Laboratory: D-79, Ground Floor, Sector-6, Noida-201301, Uttar Pradesh (India)
Email: bd@ecostepslab.com | www.ecostepslab.com | Ph.: +91 120 4333226, 9958149985
CIN-U93000DL2014PTC267663

**ECOSTEPS LABORATORY PRIVATE LIMITED**

(Complete Test House for testing of Environmental Samples)
NABL Accredited and MoEF&CC Approved Laboratory
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TEST REPORT**Issued to**

M/s AFCONS Infrastructure Ltd
B-156, 1st floor, Near Metro pillar-167
New Ashok Nagar, Delhi-110036

Doc No.

Amend. No. & Amend. Date : ELPL/IV/QF/20
02 & 17.02.2018

Lab Reference No.

Issue Date : 210619026 DN
24/06/2021

Your Reference

Email

(Page 1 of 1)

Sample Particulars: DG Noise Level testing was done at Ghazipur Casting Yard, Ghazipur, Delhi on 18/06/2021.

Type of sample	: DG Noise	Sample Registration Date	: 19/06/2021
Sampling Date	: 18/06/2021	Testing Starting Date	: 18/06/2021
Sampling Done by	: Lab representative	Testing Completion Date	: 18/06/2021
Quantity received	: 01 Sample	Tests Required	: Mentioned below
Sample's Location	: Ghazipur Casting Yard	Sampling Method	: ELPL/III/SOP/37
Details of DG Set	Capacity- 250 KVA DG Serial No - 84522144 Make & Model- Cummins & 6L8.9TAA-G4		

Test Results

S.no.	Description	Unit	Result	Specification	Test Method
1.	Acoustic enclosure (Open Door) Sound level pressure	dB(A)	101.8	-	ELPL/III/SOP/37
2	Acoustic enclosure (Closed Door) Sound level pressure	dB(A)	73.6	75	ELPL/III/SOP/37
3	Insertion Loss	dB(A)	28.2	25	-

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

Note – Noise Limit for DG Sets (up to 1000 KVA) manufactured on or after 1st January 2005 shall be 75 dB (A) at 1 meter from the enclosure surface, and having insertion loss minimum 25 dB (A).

Analyzed By
(Vikash Kumar)

Checked By
(Dr. Ramesh C. Tripathi)

Authorized Signatory
(Purushottam Kumar Sharma)

Laboratory: D-79, Ground Floor, Sector-6, Noida-201301, Uttar Pradesh (India)

Email: bd@ecostepslab.com | www.ecostepslab.com | Ph.: +91 120 4333226, 9958149985

CIN-U93000DL2014PTC267663





