

**Your (Half Yearly Compliance Report) has been Submitted with following details**

<b>Proposal No</b>	IA/DL/NCP/27296/2015
<b>Compliance ID</b>	128145177
<b>Compliance Number(For Tracking)</b>	EC/M/COMPLIANCE/128145177/2025
<b>Reporting Year</b>	2025
<b>Reporting Period</b>	01 Dec(01 Apr - 30 Sep)
<b>Submission Date</b>	15-10-2025
<b>RO/SRO Name</b>	Shri Satya Prakash Negi
<b>RO/SRO Email</b>	jhk119@ifs.nic.in
<b>State</b>	DELHI
<b>RO/SRO Office Address</b>	Integrated Regional Offices Lucknow
<b>Note:-</b> SMS and E-Mail has been sent to Shri Satya Prakash Negi, DELHI with Notification to Project Proponent.	

Ref: BLK/MoEF/Apr-Sep/10

October 07, 2025

~~The Director,~~  
Ministry of Environment and Forests & Climate Change,  
Integrated Regional Office,  
Aranya Bhawan, MG Road, Jhalana Institutional Area,  
JAIPUR-302 004 (RAJASTHAN).

**Sub : Six Monthly Report on Environmental Compliance for Expansion of Dr. B.L. Kapur Memorial Hospital, Pusa Road, New Delhi-110 005 for the period 1<sup>st</sup> April 2025 to 30<sup>th</sup> September, 2025.**

**Ref : EC No. 21-64/2015-IA.III dated 29-12-2015 for Expansion of Dr. B.L. Kapur Memorial Hospital, Pusa Road, New Delhi-110 005.**

Dear Sir,

Please find enclosed herewith the Six Monthly Report on Environmental Compliance in hard copy and electronic version in CD for the period from 1<sup>st</sup> April 2025 to 30<sup>th</sup> September 2025.

This is for your information and records please.

Thanking you,

Yours faithfully,  
For Dr. B.L. Kapur Memorial Hospital  
(A Unit of Lahore Hospital Society)

  
(Dr. Kapil Goyla)  
Medical Superintendent

Dr. Kapil Goyla  
Medical Superintendent  
Dr. B. L. Kapur Memorial Hospital  
Pusa Road, New Delhi - 110005

Encls: As above.

Copy to :-

- 1) **Member Secretary,**  
State Env. Impact Assessment Authority (SEIAA),  
Office of Delhi Pollution Control Committee,  
NCT of Delhi, 5<sup>th</sup> Floor, ISBT Building,  
Kashmere Gate,  
Delhi-110 006.
- 2) **Member Secretary, DPCC.**
- 3) **The Director (Infra-2),**  
Ministry of Environment, Forest & Climate Change,  
Indira Paryavaran Bhawan,  
Jor Bagh,  
New Delhi-110 003.

Encls: As above.

  
24/10/25  
INQUIRY COUNTER  
DELHI POLLUTION CONTROL COMMITTEE  
DEPARTMENT OF ENVIRONMENT  
GOVT OF NCT OF DELHI  
3RD FLOOR DMRC BUILDING  
IT PARK SHASTRI PARK DELHI-110093

**ENVIRONMENTAL COMPLIANCE**  
**REPORT**  
**As on**  
**1<sup>st</sup> April 2025 to 30<sup>th</sup> September 2025**

FOR

Dr. B.L. Kapur Hospital (Expansion)

at

New Delhi

Submitted by

Dr. B.L.Kapur Memorial Hospital , New Delhi

FC.NO.21-64/2015-1A.III

Submitted To:

Ministry of Environment, Forest & Climate Change Integrated Regional Office,  
Jaipur

Aranya Bhawan, MG Road, Jhalana Institutional Area, Jaipur, Rajasthan 302004



S. No.	EC Conditions of 2015	Compliance Status
	<b>Part A- Specific Conditions</b>	
<b>I</b>	<b>Construction Phase</b>	
I	The project proponent shall ensure that the guidelines issued vide this Ministry's OM No. 19-2/2013-IA.III dated 09.06.2013, are followed for building and construction projects to ensure sustainable environmental management.	This will be followed when the construction will be started.
ii	The PP shall Obtain all necessary Clearance / permission from all relevant agencies including town planning authority before commencement of work.	Currently we are in process for re-designing of the expansion part and we will submit the application in relevant department once it is finalized.
iii	Consent to establish shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution)	No construction is started yet for this expansion. We increased the nos. of beds in existing building to cater the load of patients. For this, we obtained the CTE and CTO from pollution control board and obtained the nursing registration.
Iv	Authorization from State Pollution Control Board shall be obtained as applicable under BIO-MEDICAL waste (Management and Handling) Rules,1998 as amended.	We obtained the Biomedical waste authorization from DPCC.
v	The bio medical wastes shall be managed in accordance with the bio medical waste (management and handling) Rules, 1998 as amended	This is being handled as per bio-medical waste rules. We displayed the waste segregation chart in various areas of the hospital.
vi	The PP Shall Comply with the conditions of NOC / Clearance obtained from fire Department.	Noted
Vii	All the construction shall be in accordance with the local building byelaws. The PP shall obtain all necessary clearances.	Noted and will be ensured once the said expansion will be taken in place.
.viii	The PP shall put in place a credible enforcement mechanism for compliance of energy conservation measure with its allot tees, as projected,in perpetuity. This would be monitored by the designed Energy Conservation/ Efficiency Authority in the State.	We are designing the new building as per Indian Green Building norms. The relevant details will be submitted once re-design is finalized.
ix	Temporary toilet will be provided to the construction labors.	Noted and will be ensured during the construction.
x	D.G set shall be at least 6 m away from	Existing DG sets are installed more than 6 meter



	the boundary.	from hospital building and this will be ensured for expansion too.
xi	Suitable toilet fixtures for water conservation shall be provided	Noted and will be ensured during the construction.
xii	Proponent shall obtain permission for ground water withdrawal from State Ground Water Authority.	We will take approval from State Govt. to abstract the ground water.
xiii	The RWH Plan Should be incorporated by the CGWA.	Yes, we will take design approval from respective department.
xiv	Provision shall be made for housing of construction labour within the site with all the necessary facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical healthcare, crèche etc. The housing may be in the form of temporary structures to be removed after completion of the project.	Noted and will be ensured during the construction.
xv	A First Aid Room will be provided in the project both during construction and operation of the project	Noted and will be ensured during the construction.
xvi	All the topsoil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	Noted and will be ensured during the construction.
xvii	Disposal of muck during the construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with approval of competent authority.	Noted and will be ensured during the construction.
xviii	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminates.	Noted and will be ensured during the construction.
xix	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach into the ground water.	Noted and will be ensured during the construction.
xx	Any hazardous waste generated during the construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board/ Committee.	We will provide the necessary infra for storage of hazardous waste as generated during the construction and dispose it through the authorized channel.
xxi	The diesel generator sets to be used during construction phase should be low Sulphur diesel type and should confirm to	Noted and will be ensured during the construction.



	environment (protection) rules prescribed for air and noise emission standards.	
xxii	Diesel required for operating DG sets shall be stored in underground tanks and clearance from chief controller explosives shall be taken, as applicable	We are using the underground storage tank for storage of HSD and after expansion, we will use this storage tank. Necessary approval has been taken from respective department.
xxiii	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should confirm to applicable air and noise emission standards and should be operated only during non-peak hours	Noted and will be ensured during the construction.
xxiv	Ambient noise levels shall conform to residential standards both during day and night as per noise pollution (control and regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/ DPCC.	Noted and will be ensured during the construction. Test certificate attached as annexure- 1
xxv	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27 August, 2003.	Noted and will be ensured during the construction.
xxvi	Ready mixed concrete must be used in building construction.	Noted and will be ensured during the construction.
xxvii	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Noted and will be ensured during the construction.
xxviii	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Noted and will be ensured during the construction.
xxix	Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project	Noted and will be ensured during the construction.
xxx	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Noted and will be ensured during the construction.
xxxi	Fixtures for showers, toilet flushing and drinking should be low flow either by use of aerators or pressure reducing devices or sensor based control.	Noted and will be ensured during the construction.
xxxii	Use of glass may be reduced by upto 40% to reduce the electricity consumption and	This will be ensured for new building. We also taken various several measures for energy



	load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.	conservation like as DGU glass, high energy efficient equipment, Chiller plant optimizer, EC fans and building management system. The existing building is designed for maximum use of sun light.
xxxiii	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Noted and will be ensured during the construction.
xxxiv	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the PP, if it was found that construction of the project has been started without obtaining environmental clearance	Noted.
<b>II Operation Phase</b>		
I	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF& CC along with six monthly Monitoring reports	The water consumption, waste generation and waste water recycling details of existing building of last twelve months is attached as annexure-2
ii	The treated wastewater shall be recycled and reused for flushing of toilets, horticulture to reduce the demand of fresh water as committed.	We are reusing the STP treated waste water for non-portable purpose like as dual-plumbing, gardening and cooling purpose & treated waste water is being discharged in public sewer with following applicable norms.
iii	Solid waste management shall be collected, treated disposed in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed-off outside the premises	We are segregating the solid waste as per SWM rules like as wet waste and dry waste. Wet waste is being processed through organic waste converter (OWC) and dry waste is being disposed through authorized channel.
iv	The Operation and Maintenance of STP shall be made in the MoU with STP supplier. Project Proponent shall ensure regular operation and maintenance of the STP.	We signed a MOU for O & M of STP Operation.
v	Parking facility with 6 m clear driveway shall be provided as committed. Parking shall be designated separately for Ambulances, Staff and Visitors, Disabled and Senior Citizens with adequate space	This is being ensured. We provided dedicated space for ambulance.
vi	Parking facility for taxi and three wheelers to be provided within the premises taking care for movement of patients and elderly.	Yes, this is being ensured.
vii	PP shall take measures to ensure 20% power/energy conservation in perpetuity with regular monitoring report to competent energy management authority in the State.	We are in process for do a detailed energy audit through BEE empaneled vendor and will submit a detailed report.
viii	The Project Proponent shall explore the possibilities of reusing the treated	This is not feasible as we are reusing the STP treated waste water of our building.



	wastewater from nearby projects																			
ix	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100 % grey water by decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	<p>We installed the MBBR based STP and adequacy report is taken from the independent agency.</p> <p>We are reusing the STP treated waste water in building premises at maximum. Rest treated waste water is being discharged in public sewer with applicable norms and after obtaining the sewer permission.</p> <p>The inlet and outlet parameters of STP is tabulated below;</p> <table border="1"> <thead> <tr> <th>Detail</th> <th>pH</th> <th>TSS</th> <th>COD</th> <th>BOD</th> <th>O &amp; G</th> </tr> </thead> <tbody> <tr> <td>Inlet</td> <td>6.75</td> <td>141</td> <td>449.6</td> <td>178</td> <td>14</td> </tr> <tr> <td>Outlet</td> <td>7.1</td> <td>14</td> <td>36</td> <td>8</td> <td>1.0</td> </tr> </tbody> </table> <p>Copy of STP inlet/outlet is attached as annexure-3</p>	Detail	pH	TSS	COD	BOD	O & G	Inlet	6.75	141	449.6	178	14	Outlet	7.1	14	36	8	1.0
Detail	pH	TSS	COD	BOD	O & G															
Inlet	6.75	141	449.6	178	14															
Outlet	7.1	14	36	8	1.0															
x	The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material	<p>This is being managed as per applicable SWM rules.</p> <p>Wet waste is being processed through in house organic waste composter.</p>																		
xi	Diesel power generating sets proposed as source of back-up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board/ Committee.	<p>Installed DG sets of existing building is being used for power back up only.</p> <p>Our dependency on DG sets is approx. 1 %. We provided 30 meter stack height and conforming the standards of DG emissions.</p> <p>Stack report attached as annexure-4</p>																		
xii	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	<p>This is being ensured. We provided adequate height of boundary wall. No horn display board is displayed at various location and regular testing of ambient noise is being conducted.</p> <p>As our hospital is adjacent to Pusa road &amp; metro line so there is noise due to the movement of vehicle and metro. Due to this, ambient noise level cant be achieved as per Noise rules.</p>																		
xiii	The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise	<p>We planted 150-170 nos of trees within the building and near to boundary wall. We planted most of the native species.</p>																		
xiv	Rain water harvesting for roof run-off and surface run-off, as plan submitted should be implemented. Before recharging the	<p>Rain water harvesting pits are installed and being maintained as per DJB norms.</p>																		



	surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 5 mts. above the highest ground water table.	
xv	Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible	This is being ensured as of now there is no CFL lights is being used in existing buildings and necessary action will be taken for new expansion.
<b>Part -B General Conditions</b>		
1	A Copy of the environmental clearance letter shall be displayed on the website of the concerned State Pollution Control Board/ Committee. The EC letter shall also be displayed at the Regional Office, District Industries Centre and Collector's Office/ Tehsildar's Office for 30 days.	The copy of environmental clearance has been submitted in respected dept.
2	The funds earmarked for environmental protection measure shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to this Ministry and its concerned Regional Office.	We are spending environmental related protection measures in these activity -O & M of STP/ETP - Environmental monitoring - Disposal of waste -Maintaining the green belt -O & M of Organic waste composter -Etc.
3	Officials from the Regional Office of MoEF& CC, Jaipur who would be monitoring the implementation of environmental safeguard should be given full cooperation, facilities and documents/ data by the PP during their inspection. A complete set of all the documents submitted to the MoEF&CC should be forwarded to CCF, Regional Office of MoEF&CC, Jaipur.	Noted. Earlier we are submitting the point wise compliance report to Integrated office of MOEF & CC, Jaipur. Now as advised by MOEF guidelines, we are submitting the point wise compliance report through Parivesh Portal.
4	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the Ministry.	Noted
5	The Ministry reserves the right to add additional safeguards measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provision of Environmental (Protection) Act , 1986, to ensure effective implementation of suggested safeguards measure in time	Noted



	bound and satisfactory manner.	
6	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Department, 1980 and Wildlife (Protection) Act, 1972etc shall be obtained, as applicable by PP from the respective competent authorities.	We obtained the various approvals from respective authority for the existing building and same approvals for the expansion will be taken.
7	The above stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	Noted
8	The Project Proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board/ Committee and may also be seen on the website of Ministry of Environment, Forest and Climate Change at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> . The advertisement should be made within 7 days from the date of receipt of the Clearance letter & copy of the same should be forwarded to the Regional Office of this Ministry at Jaipur.	It is done
9	This clearance is subject to final order of the Hon'able Supreme Court of India in the matter of Goa Foundation vs Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project.	Noted
10	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 Days as prescribed under section 16 of the National Green Tribunal Act, 2010.	Noted
11	A copy the clearance letter shall be sent by the proponent to concerned Panchayat, ZilaParishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	This is done. The EC letter is mentioned in company website. Link is appended below; <a href="https://www.blkmaxhospital.com/compliance">https://www.blkmaxhospital.com/compliance</a>
12	The Proponent shall upload the status of the compliance of the stipulated EC conditions,	The details are appended on company website. We also submitting the compliance report on



	including result of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF& CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant level namely; SPM,RSPM,SO <sub>2</sub> ,NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters,indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	parivesh portal. Link is appended below; <a href="https://www.blkmaxhospital.com/compliance">https://www.blkmaxhospital.com/compliance</a>
13	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the PP to the concerned state Pollution Control Board/ Committee as prescribed under the Environmental (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF& CC by e-mail.	Environmental statement has been already submitted

**Enclosure as above:** List of documents and photos are attached herewith.



# AMBIENT NOISE MONITORING REPORT





**SETI**

## SHRI ENVIRONMENTAL TECHNOLOGY INSTITUTE

Regd. Office WZ-679A, Nangal Raya, New Delhi 110046, Tele fax, 011-25572375  
Corp.Office.-203,MM Plaza, B-1, Mini Market, Janak Puri, New Delhi-110058

### Test Certificate

30.04.2025

#### Issued to

**M/S LAHORE HOSPITAL SOCIETY**  
Re-Development of Dr. B.L. Kapur Memorial Hospital  
5, Pusa Road, New Delhi - 110005

Certificate no.  
**1115686**

Your Ref. No. Nil

Dated 22.04.2025

Source & Ambient Noise Monitoring at **DR. B. L. KAPUR MEMORIAL HOSPITAL, 5, PUSA ROAD, NEW DELHI - 110005**

### TEST RESULTS

Name & Address of the Industry : **Lahore Hospital Society, Dr. B.L. Kapur Memorial Hospital, New Delhi**  
Location of the Sampling Point : **Dr. B.L. Kapur Memorial Hospital, 5, Pusa Road, New Delhi - 110005**  
Date of sampling : **21.04.2025 – 22.04.2025**  
Sampling started at (Hrs) : **10:15, 21.04.2025**  
Sampling Completed at (hrs) : **10:15, 22.04.2025**  
Actual time of sampling (Minutes) : **124.10**  
Average ambient temperature (°C) : **40**

### RESULTS dB (A)

S. No	Location	Day (6.00 am to 10.00 pm)	Night (10.00 pm to 6.00 am)
1	L eq , near DG Set	62.2	55.1
2	L eq , near boundary wall of the complex on the eastern side	58.1	50.1
3	L eq , near boundary wall of the complex on the western side	56.2	49.2
4	L eq , near boundary wall of the complex on the northern side	57.1	48.4
5	L eq , near boundary wall of the complex on the southern side	57.3	47.3





**SETI**

Issued to

Test Certificate

30.04.2025

**M/S LAHORE HOSPITAL SOCIETY**  
Re-Development of Dr. B.L. Kapur Memorial Hospital  
5, Pusa Road, New Delhi - 110005

Certificate No  
**1115687**

Your Ref. No. Nil Dated 22.04.2025

Ambient Air Monitoring at DR. B. L. KAPUR MEMORIAL HOSPITAL, 5, PUSA ROAD, NEW DELHI – 110005 by our representatives as per detail given below.

Ambient Air Monitoring for particulate matter (PM10 & PM2.5)  
Ambient Air Monitoring for particulate matter (PM10 & PM2.5) are given under below.

**TEST RESULT**

Location of Sampling Point			DR. B. L. KAPUR MEMORIAL HOSPITAL, PUSA ROAD, NEW DELHI	
			INITIAL	FINAL
Sampling Date :			21/04/2025	22/04/2025
Sample Time :			12:28 pm	12.28 pm
Average Flow Rate for SPM (m3/min)			1.117	
Total time of sampling in Minutes			1423.10	
Total Volume of Air Sampled for PM10(m <sup>3</sup> )			1549.15	
Total Volume of Air Sampled for PM2.5(m <sup>3</sup> )			24.12	
Ambient Temperature (in° C)			40	
Environmental Condition			Clear weather	
PARAMETER	UNIT	OBSERVATION	PERMISSIBLE (Maximum)	PROTOCOL
Particulate Matter(PM 10)	µg/m <sup>3</sup>	211	100	IS 5182 (P-IV)
Particulate Matter (PM2.5)	µg/m <sup>3</sup>	100	60	Gravimetric





**SETI**

## SHRI ENVIRONMENTAL TECHNOLOGY INSTITUTE

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Corp. Office.-203, MM Plaza, B-1, Mini Market, Janak Puri, New Delhi-110058

### Test Certificate

Issued to

30.09.2025

M/S LAHORE HOSPITAL SOCIETY  
Re-Development of Dr. B.L. Kapur Memorial Hospital  
5, Pusa Road, New Delhi - 110005

Certificate no.  
**1115688**

Your Ref. No. Nil

Dated 12.09.2025

Source & Ambient Noise Monitoring at **DR. B. L. KAPUR MEMORIAL HOSPITAL, 5, PUSA ROAD, NEW DELHI - 110005**

### TEST RESULTS

Name & Address of the Industry : **Lahore Hospital Society, Dr. B.L. Kapur Memorial Hospital, New Delhi**  
Location of the Sampling Point : **Dr. B.L. Kapur Memorial Hospital, 5, Pusa Road, New Delhi - 110005**  
Date of sampling : **11.09.2025 – 12.09.2025**  
Sampling started at (Hrs) : **10:39, 11.09.2025**  
Sampling Completed at (hrs) : **10:39, 12.09.2025**  
Actual time of sampling (Minutes) : **122**  
Average ambient temperature (°C) : **34**

### RESULTS dB (A)

S. No	Location	Day (6.00 am to 10.00 pm)	Night (10.00 pm to 6.00 am)
1	L eq , near DG Set	63.3	57.3
2	L eq , near boundary wall of the complex on the eastern side	56.4	50.0
3	L eq , near boundary wall of the complex on the western side	56.0	48.3
4	L eq , near boundary wall of the complex on the northern side	57.1	49.1
5	L eq , near boundary wall of the complex on the southern side	58.2	47.3





**SETI**

## SHRI ENVIRONMENTAL TECHNOLOGY INSTITUTE

Regd. Office WZ-679A, Nangal Raya, New Delhi 110046, Tele fax, 011-25572375  
Corp.Office.-203,MM Plaza, B-1, Mini Market, Janak Puri, New Delhi-110058

Test Certificate

30.09.2025

Issued to

### M/S LAHORE HOSPITAL SOCIETY

Re-Development of Dr. B.L. Kapur Memorial Hospital  
5, Pusa Road, New Delhi - 110005

Certificate no.  
**1115689**

Your Ref. No. Nil

Dated 12.09.2025

Ambient Air Monitoring at DR. B. L. KAPUR MEMORIAL HOSPITAL, 5, PUSA ROAD, NEW DELHI – 110005 by our representatives as per detail given below.

Ambient Air Monitoring for particulate matter (PM10 & PM2.5)  
Ambient Air Monitoring for particulate matter (PM10 & PM2.5) are given under below.

### TEST RESULT

Location of Sampling Point		DR. B. L. KAPUR MEMORIAL HOSPITAL, PUSA ROAD, NEW DELHI		
		INITIAL	FINAL	
Sampling Date :		11/09/2025	12/09/2025	
Sample Time :		12:46 pm	12:46 pm	
Average Flow Rate for SPM (m <sup>3</sup> /min)		1.122		
Total time of sampling in Minutes		1357.09		
Total Volume of Air Sampled for PM10(m <sup>3</sup> )		1478.29		
Total Volume of Air Sampled for PM2.5(m <sup>3</sup> )		26.10		
Ambient Temperature (in° C)		34		
Environmental Condition		Clear weather		
PARAMETER	UNIT	OBSERVATION	PERMISSIBLE (Maximum I)	PROTOCOL
Particulate Matter(PM 10)	µg/m <sup>3</sup>	112	100	IS 5182 (P-IV)
Particulate Matter (PM2.5)	µg/m <sup>3</sup>	33		Gravimetric





**SETI**

# SHRI ENVIRONMENTAL TECHNOLOGY INSTITUTE

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Corp.Office.-203,MM Plaza, B-1, Mini Market, Janak Puri, New Delhi-110058

## Test Certificate

Issued to

30.09.2025

**M/S LAHORE HOSPITAL SOCIETY**

Re-Development of Dr. B.L. Kapur Memorial Hospital  
5, Pusa Road, New Delhi - 110005

Certificate no.  
**1115690**

Your Ref. No. Nil

One sample of Water Collected/drawn by our representatives for certification of quality according to IS-10500 Standards.

(Results as per BIS10500-1991)  
Clear, colorless, and odorless sample

Water Quality according to BIS-10500 Standards as on 12.09.2025		
S. No	Parameter	Borewell
1	Turbidity	<5
2	Odor & Taste	Agreeable
3	Temp	29
4	pH value	7.8
5	Conductivity ,mho/cm	973
7	Total Alkalinity , mg / l	264
8	Sulphate (as SO4 ) mg/l ,Max	36
9	Chloride ( as Cl ) mg / l ,Max	70
10	Cyanide ( as CN ) , mg / l , Max	ND
11	Phosphates (as P) , mg / l	<1
12	Nitrate (NO3 ) mg/l ,Max	0.75
13	Fluoride ( F ) mg/l ,Max	0.8
14	Sodium , mg / l	63
15	Potassium , mg / l	7
16	Phenolic Compounds(asC6H5OH)mg/l	ND
17	DO	7
18	BOD( 3day 27OC ) , mg / l	<5
19	COD, mg / l	<5
20	Mercury (as Hg ) mg/l , Max	ND
21	Cadmium (as Cd ) mg/l , Max	ND
22	Selenium (as Se ) mg/l , Max	ND
23	Arsenic ( as As ) mg/l , Max	ND
24	Copper ( as Cu ) mg/l , Max	<0.2
25	Lead ( as Pb ) mg/l , Max	ND
26	Zinc ( as Zn ) mg/l , Max	ND
27	Chromium(as Cr)mg/l ,Max	ND
28	Nickel (as Ni) , mg / l	ND
29	Dissolved Phosphates (as P) , mg / l	<1
30	Sulphide (as S) , mg / l	ND
31	Vanadium (as V) , mg / l	<0.1
32	Boron ( as B) , mg/l	ND
33	Sodium Absorption ratio	1.6
34	Coliform BacteriaMPN Index Per100ml	NIL
35	Standard Plate count/ ml. Max	18



## Annexure-2

Proper drainage facility will be provided to handle the waste water arising out of the site. The drainage will be planned in a way that there is no accumulation of water within the project area or vicinity to the site. Regular cleanup or the drainage system will be practice. Treated sewage water from STP will be used for cooling, flushing and horticulture.

Domestic water required for beds, visitors & Staff	232 KLD	(550x450+2750x45+1000x45(OPD)+floating 1500x10+kitchen 1000x30) =462KLD + add 20% = 554.2 KLD	786 KLD
Water cooling Tower	125 KLD	288 KLD	413 KLD
Horticulture	21 KLD	0	21KLD
Total water Required	378 KLD	842 KLD	1220 KLD
Waste water Generation	263 KLD	(@80%) 443 KLD	(@80%) of 786 = 628 KLD
STP Capacity	550 KLD	443+20%-531.6 KLD	(831.6) Proposed Capacity-1000 KLD
ETP Capacity	100 KLD	100 KLD	100 KLD



# STP ANALYSIS REPORT





# DELHI POLLUTION CONTROL COMMITTEE

(Government of N.C.T. of Delhi) 4th & 5th Floor, ISBT Building  
Kashmere Gate, Delhi 110006  
(Visit us at <https://www.dpccocmms.nic.in>)



Result No- DPCC/Comm/W/9916/2211/30-03-2025  
LAB REPORT

Date:29/09/2025

1. Name & Address of Unit : M/s.B.L. Kapur Memorial Hospital  
PUSA ROAD NEW DELHI  
Delhi-110005
2. Sampling Location : OUTLET OF STP
3. Date of sampling : 22/09/2025
4. Sample collected by : DPCC LAB
5. Control Measure (if any) : STP
6. Nature of sample : GRAB
7. Nature of Industry : Health Care Establishments having bed strength above 50 beds and connected or not connected to Sewer and with boiler
8. Parameter analyzed and result

S. No.	Parameters	OUTLET OF STP	Prescribed Standard
1	pH	7.1	6.5-9.0
2	Total Suspended Solids (TSS)	14	100.0
3	Oil and Grease	1.0	10.0
4	Bio - assay Test (percent survival of fish after 96 hours in 100 percent effluent)	100	90.0-100.0
5	Bio-Chemical Oxygen Demand(BOD)[3 days at 27°C]	8	30.0
6	Chemical Oxygen Demand(COD)	36	250.0

\*All parameters are in mg/l except pH

*(Signature)*  
Sampled By

*(Signature)*  
Analyzed By

*(Signature)*  
I/C Water Laboratory



Dr. Shweta Gupta  
Incharge (Water Laboratory)



### TEST REPORT

#### Sewage Sample Analysis

Test Report No. : EKO/E-600/220925

Issue Date : 30/09/2025

Issued To

DR. B. L. KAPUR MEMORIAL HOSPITAL  
Pusa Road,  
New Delhi-110005

Sample Description

: STP Inlet

Sample Drawn on

: 22/09/2025

Sample Drawn by

: EPEPL (Mr. Yogesh Kumar)

Sample Received on

: 22/09/2025

Sampling Location

: From STP Plant

Sampling Plan &amp; Procedure

: SOP-W/66

Sample Quantity

: 1.0 Litre

Environmental Condition

: Normal

Analysis Duration

: 22/09/2025 To 30/09/2025

Remark (if any)

: NA

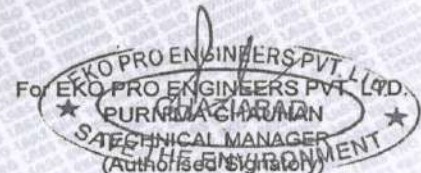
#### RESULTS

S. No.	Parameters	Test Methods	Results	Units
1	pH	IS: 3025 (P-11) 2.0: 2022	6.75	-
2	Total Dissolved Solids	IS: 3025 (P-16):2023	1320.0	mg/L
3	Total Suspended Solids	IS:3025(Part-17): 2022	141.0	mg/L
4	Oil & Grease	IS:3025 (Part-39)-F : 2021	14.0	mg/L
5	COD (as O <sub>2</sub> )	IS 3025 (Part 58): 2006	449.6	mg/L
6	BOD (@27°C for 3 days)	IS 3025 (Part 44): 1993	178.0	mg/L

#### Notes :

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
- Responsibility of the Laboratory is limited to the invoiced amount only.

**\*\*End of Report\*\***



Page 1 of 1



# DG Noise Monitoring and DG Stack Monitoring Report





**SIMA LABS**  
 Sophisticated Industrial Materials  
 Analytic Labs Pvt. Ltd.  
 (GOVT. APPROVED TESTING LABORATORIES)

Address : A-3/7, Mayapuri Industrial Area,  
 Ph-II, New Delhi - 110064  
 Phone : +(91)-(011) 43854300  
 Email : reports@simalab.com  
 CIN No : U74899DL1988PTC031785  
 Website : www.simalab.net | www.simalab.com



**TEST REPORT**

ULR : TC1122025200009194F

Party Code : D/DLH/029  
 \*Issued to : Dr. B.L. Kapur Memorial Hospital  
 Pusa Road, New Delhi-110005, New Delhi

REPORT NO. : SE0609002625/N  
 \*Customer Ref.No. : NS  
 \*Reference Date : NS  
 Date of Sampling : 06/06/2025  
 Date of Received : 09/06/2025  
 Date of Issue : 16/06/2025  
 Start Date of Analysis : 09/06/2025  
 Date of Completion : 16/06/2025  
 Environmental Condition : 25±2°C, RH50±15%  
 Sample Condition : OK  
 \*Sample Qty. : NS  
 SOP/Sampling Plan : SIMA/ENV/SOP/025  
 Test Method Deviation : NA  
 Sample Collection : Sample Collected By Us

\*Sample Name : Noise Monitoring (D.G)

RESULTS OF ANALYSIS				
Reference : EP Act Standard/IS:4758				
Sample Description: D.G. Noise level from different points of M/S Dr. B.L. Kapur Memorial Hospital was monitored by us on 06/06/2025				
S.No.	Location of Sampling Point	Exposure Time	Avg. Instant Value dB(A)	Permissible Limit dB(A)
1.	When D.G Set No-1 (1010 KVA) ON:-		-	
2.	Noise level while canopy door open	03:20 PM to 03:30 PM	100.2	-
3.	Noise level while canopy door closed & at a distance of 1.0 meter	"	73.2	-
4.	Insertion Loss	"	27.0	Minimum loss of Insertion 25.0

The above mentioned noise level meets the specification of EP Act Standard.

--- End of Test Report ---



*Neeraj Singh Adhikari*  
 Neeraj Singh Adhikari  
 Reviewed By

Authorized Signatory

*Diwakar Jha*  
 Diwakar Jha  
 D.G.M Technical Environment

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\* Indicates details provided by the customer



*Handwritten signature*



**TEST REPORT**

ULR : TC1122025200009193F

Party Code : D/DLH/029  
 \*Issued to : Dr. B.L. Kapur Memorial Hospital  
 Pusa Road, New Delhi-110005, New Delhi

REPORT NO. : SE0609002725/N  
 \*Customer Ref.No. : NS  
 \*Reference Date : NS  
 Date of Sampling : 06/06/2025  
 Date of Received : 09/06/2025  
 Date of Issue : 16/06/2025  
 Start Date of Analysis : 09/06/2025  
 Date of Completion : 16/06/2025  
 Environmental Condition : 25±2°C, RH50±15%  
 Sample Condition : OK  
 \*Sample Qty. : NS  
 SOP/Sampling Plan : SIMA/ENV/SOP/025  
 Test Method Deviation : NA  
 Sample Collection : Sample Collected By Us

\*Sample Name : Noise Monitoring (D.G)

RESULTS OF ANALYSIS				
Reference : EP Act Standard/IS:4758				
Sample Description: D.G. Noise level from different points of M/S Dr. B.L. Kapur Memorial Hospital was monitored by us on 06/06/2025				
S.No.	Location of Sampling Point	Exposure Time	Avg. Instant Value dB(A)	Permissible Limit dB(A)
1.	When D.G Set No-2 (1010 KVA) ON:-		-	
2.	Noise level while canopy door open	04:00 PM to 04:10 PM	101.6	-
3.	Noise level while canopy door closed & at a distance of 1.0 meter	"	74.2	-
4.	Insertion Loss	"	27.4	Minimum loss of Insertion 25.0

The above mentioned noise level meets the specification of EP Act Standard.

--- End of Test Report ---



*Neeraj Singh Adhikari*  
 Neeraj Singh Adhikari  
 Reviewed By

Authorized Signatory

*Diwakar Jha*

Diwakar Jha  
 D.G.M Technical Environment

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ULR : TC1122025200009192F

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 \*Issued to : Dr. B.L. Kapur Memorial Hospital  
 Pusa Road, New Delhi-110005, New Delhi

REPORT NO. : SE0609002825/N  
 \*Customer Ref.No. : NS  
 \*Reference Date : NS  
 Date of Sampling : 06/06/2025  
 Date of Received : 09/06/2025  
 Date of Issue : 16/06/2025  
 Start Date of Analysis : 09/06/2025  
 Date of Completion : 16/06/2025  
 Environmental Condition : 25±2°C, RH50±15%  
 Sample Condition : OK  
 \*Sample Qty. : NS  
 SOP/Sampling Plan : SIMA/ENV/SOP/025  
 Test Method Deviation : NA  
 Sample Collection : Sample Collected By Us

\*Sample Name : Noise Monitoring (D.G)

RESULTS OF ANALYSIS			
Reference : EP Act Standard/IS:4758			
Sample Description: D.G. Noise level from different points of M/S Dr. B.L. Kapur Memorial Hospital was monitored by us on 06/06/2025			
S.No.	Location of Sampling Point	Exposure Time	Permissible Limit dB(A)
1.	When D.G Set No-3 (500 KVA) ON:-		
2.	Noise level while canopy door open	04:40 PM to 04:50 PM	-
3.	Noise level while canopy door closed & at a distance of 1.0 meter	"	-
4.	Insertion Loss	"	Minimum loss of Insertion 25.0

The above mentioned noise level meets the specification of EP Act Standard.

--- End of Test Report ---



*Neera Singh Adhikari*  
 Neera] Singh Adhikari  
 Reviewed By

Authorized Signatory

*Diwakar Jha*

Diwakar Jha  
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ULR : TC1122025200009198F

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 \*Issued to : Dr. B.L. Kapur Memorial Hospital  
 Pusa Road, New Delhi-110005, New Delhi

REPORT NO. : SE0609002925/N  
 \*Customer Ref.No. : NS  
 \*Reference Date : NS  
 Date of Sampling : 06/06/2025  
 Date of Received : 09/06/2025  
 Date of Issue : 16/06/2025  
 Start Date of Analysis : 09/06/2025  
 Date of Completion : 16/06/2025  
 Environmental Condition : 25±2°C, RH50±15%  
 Sample Condition : OK  
 \*Sample Qty. : NS  
 SOP/Sampling Plan : SIMA/ENV/SOP/025  
 Test Method Deviation : NA  
 Sample Collection : Sample Collected By Us

\*Sample Name : Noise Monitoring (D.G)

RESULTS OF ANALYSIS			
Reference : EP Act Standard/IS:4758			
Sample Description : D.G. Noise level from different points of M/S Dr. B.L. Kapur Memorial Hospital was monitored by us on 06/06/2025			
S.No.	Location of Sampling Point	Avg. Instant Value dB(A)	Permissible Limit dB(A)
1.	D.G. Set No -1 (1010 KVA)	-	-
2.	Ambient Noise Level While D.G. Set Off:-	62.2	-
3.	Ambient Noise Level While D.G. Set ON:-	65.3	-
4.	Insertion Loss of the Acoustic Enclosure	25.9	>25.0

Note:- The D.G. set monitored is meeting the permissible limit as per the GSR 371 (E) dated 17th May 2002 and amended till date. However ambient air quality standards in respect of noise as mentioned in schedule-III of the Environment (Protection) rules, 1986 is meeting  
 --- End of Test Report ---



*Neeraj Singh Adhikari*  
 Neeraj Singh Adhikari  
 Reviewed By

Authorized Signatory  
*Diwakar Jha*  
 Diwakar Jha  
 D.G.M Technical Environment

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**TEST REPORT**

ULR : TC1122025200009199F

Party Code : D/DLH/029  
 \*Issued to : Dr. B.L. Kapur Memorial Hospital  
 Pusa Road, New Delhi-110005, New Delhi

REPORT NO. : SE0609003025/N  
 \*Customer Ref.No. : NS

\*Reference Date : NS  
 Date of Sampling : 06/06/2025  
 Date of Received : 09/06/2025  
 Date of Issue : 16/06/2025  
 Start Date of Analysis : 09/06/2025  
 Date of Completion : 16/06/2025  
 Environmental Condition : 25±2°C, RH50±15%  
 Sample Condition : OK  
 \*Sample Qty : NS  
 SOP/Sampling Plan : SIMA/ENV/SOP/025  
 Test Method Deviation : NA  
 Sample Collection : Sample Collected By Us

\*Sample Name : Noise Monitoring (D.G)

**RESULTS OF ANALYSIS**

Reference : EP Act Standard/IS:4758

Sample Description: D.G. Noise level from different points of M/S Dr. B.L. Kapur Memorial Hospital was monitored by us on 06/06/2025

S.No.	Location of Sampling Point	Avg. Instant Value dB(A)	Permissible Limit dB(A)
1.	D.G. Set No -2 (1010 KVA)	-	-
2.	Ambient Noise Level While D.G. Set Off:-	62.8	-
3.	Ambient Noise Level While D.G. Set ON:-	66.4	-
4.	Insertion Loss of the Acoustic Enclosure	25.9	>25.0

Note:- The D.G. set monitored is meeting the permissible limit as per the GSR 371 (E) dated 17th May 2002 and amended till date.  
 However ambient air quality standards in respect of noise as mentioned in schedule-III of the Environment (Protection) rules, 1986 is meeting  
 --- End of Test Report ---



*Neeraj Singh Adhikari*  
 Neeraj Singh Adhikari  
 Reviewed By

Authorized Signatory

*Diwakar Jha*

Diwakar Jha  
 D.G.M Technical Environment

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**TEST REPORT**

ULR : TC1122025200009196F

Party Code : D/DLH/029  
 \*Issued to : Dr. B.L. Kapur Memorial Hospital  
 Pusa Road, New Delhi-110005 . New Delhi

REPORT NO. : SE0609003125/N  
 \*Customer Ref.No. : NS  
 \*Reference Date : NS  
 Date of Sampling : 06/06/2025  
 Date of Received : 09/06/2025  
 Date of Issue : 16/06/2025  
 Start Date of Analysis : 09/06/2025  
 Date of Completion : 16/06/2025  
 Environmental Condition : 25±2°C,RH50±15%  
 Sample Condition : OK  
 \*Sample Qty. : NS  
 SOP/Sampling Plan : SIMA/ENV/SOP/025  
 Test Method Deviation : NA  
 Sample Collection : Sample Collected By Us

\*Sample Name : Noise Monitoring (D.G)

RESULTS OF ANALYSIS			
Reference : EP Act Standard/IS:4758			
Sample Description : D.G. Noise level from different points of M/S Dr. B.L. Kapur Memorial Hospital was monitored by us on 06/06/2025			
S.No.	Location of Sampling Point	Avg. Instant Value dB(A)	Permissible Limit dB(A)
1.	D.G. Set No-3 (500 KVA)	-	-
2.	Ambient Noise Level While D.G. Set Off:-	60.4	-
3.	Ambient Noise Level While D.G. Set ON:-	63.5	-
4.	Noise Level at 1.0 Meter Away From the Enclosure:-	73.4	<=75.0

Note:- The D.G. set monitored is meeting the permissible limit as per the GSR 371 (E) dated 17th May 2002 and amended till date. However ambient air quality standards in respect of noise as mentioned in schedule-III of the Environment (Protection) rules, 1986 is meeting  
 --- End of Test Report ---



Neeraj Singh Adhikari  
 Reviewed By

Authorized Signatory

Diwakar Jha  
 D.G.M Technical Environment

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# SIMA LABS

Sophisticated Industrial Materials  
Analytic Labs Pvt. Ltd.  
(GOVT. APPROVED TESTING LABORATORIES)

Address : A-3/7, Mayapuri Industrial Area,  
Ph-II, New Delhi - 110064  
Phone : +(91)-(011) 43854300  
Email : reports@simalab.com  
CIN No : U74899DL1988PTC031785  
Website : www.simalab.net | www.simalab.com



## TEST REPORT

ULR : TC1122025200009281F

Party Code : D/DLH/029  
\*Issued to : Dr. B.L. Kapur Memorial Hospital  
Pusa Road, New Delhi-110005, New Delhi

REPORT NO. : SE0609003225/N  
\*Customer Ref.No. : NS

\*Reference Date : NS  
Date of Sampling : 06/06/2025  
Date of Received : 09/06/2025  
Date of Issue : 17/06/2025  
Start Date of Analysis : 09/06/2025  
Date of Completion : 16/06/2025  
Environmental Condition : 25±2°C, RH50±15%  
Sample Condition : OK  
\*Sample Qty. : NS

\*Sample Name : Stack Emission  
SOP/Sampling Plan : SIMA/ENV/SOP/011  
Test Method Deviation : NA  
Sample Collection : Sample Collected By Us

### RESULTS OF ANALYSIS

Reference : IS 11255 & EPA

Sample Description	: One stack emission sample was collected by us on 06/06/2025 between 10:00 AM to 10:30 AM
Name of Industry	: Dr. B.L. Kapur Memorial Hospital
Name of plant & Section	: Boiler section
Emission Source Monitored	: Boiler stack
Type of Fuel Used	: HSD
Stack Identification	: Steam boiler stack no. 1 (500 Kg/Hr.)
Normal Operating Schedule (Hrs/day)	: As & when required
Location of sampling Point	: Port hole on stack
Type of Chimney (ACC/Metal)	: Metal
Stack Height (Meters)	
a. From source of Emission	: -
b. From Roof Level	: -
c. From Ground Level	: 41
Diameter of stack (cm)	: 25
Sampling Duration (minutes)	: 30
Parameters Monitored	: PM, NOx, SO2, CO & CO2
Purpose of Monitoring	: Assessment of pollution load
Products Manufactured	: Hospital
Control measures (if any)	: Nil
Recovery of Material (if any)	: Nil
General Sensory observations	: Normal
Fugitive Emissions (if any)	: Nil
Stack Temperature (°C)	: 83
Ambient Temperature(°C)	: 35
Average Stack Velocity (m/second)	: 8.89
Quantity of Emission (Nm3/Hr)	: 1217



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**TEST REPORT**

ULR : TC1122025200009281F

Party Code : D/DLH/029

REPORT NO. : SE0609003225/N

S.No.	Parameters	Units	Results	Limits (Max.)	Protocols
1.	Particulate Matter	mg/Nm <sup>3</sup>	43.5	80	IS:11255 (P-1)
2.	Nitrogen Oxides ( as NOx )	mg/Nm <sup>3</sup>	94.5	NA	IS:11255 (P-7)
3.	Sulphur Dioxide ( as SO <sub>2</sub> )	mg/Nm <sup>3</sup>	38.7	NA	IS:11255 (P-2)
4.	Carbon Monoxide ( as CO )	mg/Nm <sup>3</sup>	61.4	NA	SIMA/ENV/STP/001 , Issue No.1 , Issue date 10.01.2022
5.	Carbon Dioxide (as CO <sub>2</sub> )	%	8	NA	IS:13270 Method-A

NA - Not Applicable

The above mentioned parameters meets the specification of EP Act Standard.

--- End of Test Report ---



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Phone : +(91)-(011) 43854300  
Email : reports@simalab.com  
CIN No : U74899DL1988PTC031785  
Website : www.simalab.net | www.simalab.com



## TEST REPORT

ULR : TC1122025200009355F

Party Code : D/DLH/029  
\*Issued to : Dr. B.L. Kapur Memorial Hospital  
Pusa Road, New Delhi-110005 . New Delhi

REPORT NO. : SE0609003325/N  
\*Customer Ref.No. : NS  
\*Reference Date : NS  
Date of Sampling : 06/06/2025  
Date of Received : 09/06/2025  
Date of Issue : 17/06/2025  
Start Date of Analysis : 09/06/2025  
Date of Completion : 16/06/2025  
Environmental Condition : 25±2°C,RH50±15%  
Sample Condition : OK  
\*Sample Qty. : NS

\*Sample Name : Stack Emission  
SOP/Sampling Plan : SIMA/ENV/SOP/011  
Test Method Deviation : NA  
Sample Collection : Sample Collected By Us

### RESULTS OF ANALYSIS

Reference : IS 11255 & EPA

Sample Description	: One stack emission sample was collected by us on 06/06/2025 between 10:40 AM to 11:10 AM
Name of Industry	: Dr. B.L. Kapur Memorial Hospital
Name of plant & Section	: Boiler section
Emission Source Monitored	: Boiler stack
Type of Fuel Used	: PNG
Stack Identification	: Steam boiler stack no. 2 (500 Kg/Hr.)
Normal Operating Schedule (Hrs/day)	: 20
Location of sampling Point	: Port hole on stack
Type of Chimney (ACC/Metal)	: Metal
Stack Height (Meters)	
a. From source of Emission	: -
b. From Roof Level	: -
c. From Ground Level	: 41
Diameter of stack (cm)	: 25
Sampling Duration (minutes)	: 30
Parameters Monitored	: PM, NOx, SO2, CO & CO2
Purpose of Monitoring	: Assessment of pollution load
Products Manufactured	: Hospital
Control measures (if any)	: Nil
Recovery of Material (if any)	: Nil
General Sensory observations	: Normal
Fugitive Emissions (if any)	: Nil
Stack Temperature (°C)	: 88
Ambient Temperature(°C)	: 36
Average Stack Velocity (m/second)	: 8.35
Quantity of Emission (Nm3/Hr)	: 1127



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## TEST REPORT

ULR : TC1122025200009355F

Party Code : D/DLH/029

REPORT NO. : SE0609003325/N

S.No.	Parameters	Units	Results	Limits (Max.)	Protocols	Detection Limit
1.	Particulate Matter	mg/Nm <sup>3</sup>	33.1	80	IS:11255 (P-1)	NA
2.	Nitrogen Oxides ( as NO <sub>x</sub> )	mg/Nm <sup>3</sup>	47.9	NA	IS:11255 (P-7)	NA
3.	Sulphur Dioxide ( as SO <sub>2</sub> )	mg/Nm <sup>3</sup>	BDL	NA	IS:11255 (P-2)	3.0
4.	Carbon Monoxide ( as CO )	mg/Nm <sup>3</sup>	27.9	NA	SIMA/ENV/STP/001 , Issue No.1 , Issue date 10.01.2022	NA
5.	Carbon Dioxide (as CO <sub>2</sub> )	%	6	NA	IS:13270 Method-A	NA

NA-Not Applicable, BDL- Below Detection Limit

The above mentioned parameters meets the specification of EP Act Standard.

--- End of Test Report ---



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**TEST REPORT**

ULR : TC112202520009282F

Party Code : D/DLH/029  
 \*Issued to : Dr. B.L. Kapur Memorial Hospital  
 Pusa Road, New Delhi-110005 . New Delhi

REPORT NO. : SE0609003425/N  
 \*Customer Ref.No. : NS

\*Reference Date : NS  
 Date of Sampling : 06/06/2025  
 Date of Received : 09/06/2025  
 Date of Issue : 17/06/2025  
 Start Date of Analysis : 09/06/2025  
 Date of Completion : 16/06/2025  
 Environmental Condition : 25±2°C, RH50±15%  
 Sample Condition : OK  
 \*Sample Qty. : NS

\*Sample Name : Stack Emission  
 SOP/Sampling Plan : SIMA/ENV/SOP/011  
 Test Method Deviation : NA  
 Sample Collection : Sample Collected By Us

**RESULTS OF ANALYSIS**

Reference : IS 11255 & EPA

Sample Description	: One stack emission sample was collected by us on 06/06/2025 between 11:20 AM to 11:50 AM
Name of Industry	: Dr. B.L. Kapur Memorial Hospital
Name of plant & Section	: Boiler section
Emission Source Monitored	: Boiler stack
Type of Fuel Used	: PNG
Stack Identification	: Steam boiler stack no. 3 (600 Kg/Hr.)
Normal Operating Schedule (Hrs/day)	: 20
Location of sampling Point	: Port hole on stack
Type of Chimney (ACC/Metal)	: Metal
Stack Height (Meters)	
a. From source of Emission	: -
b. From Roof Level	: -
c. From Ground Level	: 41
Diameter of stack (cm)	: 25
Sampling Duration (minutes)	: 30
Parameters Monitored	: PM, NOx, SO2, CO & CO2
Purpose of Monitoring	: Assessment of pollution load
Products Manufactured	: Hospital
Control measures (if any)	: Nil
Recovery of Material (if any)	: Nil
General Sensory observations	: Normal
Fugitive Emissions (if any)	: Nil
Stack Temperature (°C)	: 92
Ambient Temperature(°C)	: 37
Average Stack Velocity (m/second)	: 7.94
Quantity of Emission (Nm3/Hr)	: 1060



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## TEST REPORT

ULR : TC1122025200009282F

REPORT NO. : SE0609003425/N

Party Code : D/DLH/029

S.No.	Parameters	Units	Results	Limits (Max.)	Protocols	Detection Limit
1.	Particulate Matter	mg/Nm <sup>3</sup>	31.5	80	IS:11255 (P-1)	NA
2.	Nitrogen Oxides ( as NO <sub>x</sub> )	mg/Nm <sup>3</sup>	43.7	NA	IS:11255 (P-7)	NA
3.	Sulphur Dioxide ( as SO <sub>2</sub> )	mg/Nm <sup>3</sup>	BDL	NA	IS:11255 (P-2)	3.0
4.	Carbon Monoxide ( as CO )	mg/Nm <sup>3</sup>	24.4	NA	SIMA/ENV/STP/001 , Issue No.1 , Issue date 10.01.2022	NA
5.	Carbon Dioxide (as CO <sub>2</sub> )	%	8	NA	IS:13270 Method-A	NA

NA-Not Applicable, BDL- Below Detection Limit

The above mentioned parameters meets the specification of EP Act Standard.

--- End of Test Report ---



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**TEST REPORT**

ULR : TC1122025200009283F

Party Code : D/DLH/029  
 \*Issued to : Dr. B.L. Kapur Memorial Hospital  
 Pusa Road, New Delhi-110005 . New Delhi

REPORT NO. : SE0609003525/N  
 \*Customer Ref.No. : NS  
 \*Reference Date : NS  
 Date of Sampling : 06/06/2025  
 Date of Received : 09/06/2025  
 Date of Issue : 17/06/2025  
 Start Date of Analysis : 09/06/2025  
 Date of Completion : 16/06/2025  
 Environmental Condition : 25±2°C,RH50±15%  
 Sample Condition : OK  
 \*Sample Qty. : NS

\*Sample Name : Stack Emission  
 SOP/Sampling Plan : SIMA/ENV/SOP/011  
 Test Method Deviation : NA  
 Sample Collection : Sample Collected By Us

**RESULTS OF ANALYSIS**

Reference : IS 11255 & EPA

Sample Description	: One stack emission sample was collected by us on 06/06/2025 between 12:00 PM to 12:30 PM
Name of Industry	: Dr. B.L. Kapur Memorial Hospital
Name of plant & Section	: Boiler section
Emission Source Monitored	: Boiler stack
Type of Fuel Used	: PNG
Stack Identification	: Hot water boiler stack no. 1 (3 Lac.k.cal/Hr.)
Normal Operating Schedule (Hrs/day)	: 20
Location of sampling Point	: Port hole on stack
Type of Chimney (ACC/Metal)	: Metal
Stack Height (Meters)	
a. From source of Emission	: -
b. From Roof Level	: -
c. From Ground Level	: 41
Diameter of stack (cm)	: 25
Sampling Duration (minutes)	: 30
Parameters Monitored	: PM, NO <sub>x</sub> , SO <sub>2</sub> , CO & CO <sub>2</sub>
Purpose of Monitoring	: Assessment of pollution load
Products Manufactured	: Hospital
Control measures (if any)	: Nil
Recovery of Material (if any)	: Nil
General Sensory observations	: Normal
Fugitive Emissions (if any)	: Nil
Stack Temperature (°C)	: 84
Ambient Temperature(°C)	: 36
Average Stack Velocity (m/second)	: 8.82
Quantity of Emission (Nm <sup>3</sup> /Hr)	: 1204



*Neeraj Singh Adhikari*  
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**TEST REPORT**

ULR : TC1122025200009283F

REPORT NO. : SE0609003525/N

Party Code : D/DLH/029

S.No.	Parameters	Units	Results	Limits (Max.)	Protocols	Detection Limit
1.	Particulate Matter	mg/Nm <sup>3</sup>	30.8	80	IS:11255 (P-1)	NA
2.	Nitrogen Oxides ( as NO <sub>x</sub> )	mg/Nm <sup>3</sup>	42.3	NA	IS:11255 (P-7)	NA
3.	Sulphur Dioxide ( as SO <sub>2</sub> )	mg/Nm <sup>3</sup>	BDL	NA	IS:11255 (P-2)	3.0
4.	Carbon Monoxide ( as CO )	mg/Nm <sup>3</sup>	22.3	NA	SIMA/ENV/STP/001 , Issue No.1 , Issue date 10.01.2022	NA
5.	Carbon Dioxide (as CO <sub>2</sub> )	%	5	NA	IS:13270 Method-A	NA

NA-Not Applicable, BDL- Below Detection Limit

The above mentioned parameters meets the specification of EP Act Standard.

--- End of Test Report ---



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## TEST REPORT

ULR : TC1122025200009284F

Party Code : D/DLH/029  
\*Issued to : Dr. B.L. Kapur Memorial Hospital  
Pusa Road, New Delhi-110005, New Delhi

REPORT NO. : SE0609003625/N  
\*Customer Ref.No. : NS  
\*Reference Date : NS  
Date of Sampling : 06/06/2025  
Date of Received : 09/06/2025  
Date of Issue : 17/06/2025  
Start Date of Analysis : 09/06/2025  
Date of Completion : 16/06/2025  
Environmental Condition : 25±2°C, RH50±15%  
Sample Condition : OK  
\*Sample Qty. : NS

\*Sample Name : Stack Emission  
SOP/Sampling Plan : SIMA/ENV/SOP/011  
Test Method Deviation : NA  
Sample Collection : Sample Collected By Us

### RESULTS OF ANALYSIS

Reference : IS 11255 & EPA

Sample Description	: One stack emission sample was collected by us on 06/06/2025 between 12:40 PM to 01:10 PM
Name of Industry	: Dr. B.L. Kapur Memorial Hospital
Name of plant & Section	: Boiler section
Emission Source Monitored	: Boiler stack
Type of Fuel Used	: HSD
Stack Identification	: Hot water boiler stack no. 2 (3 Lac.k.cal/Hr.)
Normal Operating Schedule (Hrs/day)	: As & when required
Location of sampling Point	: Port hole on stack
Type of Chimney (ACC/Metal)	: Metal
Stack Height (Meters)	
a. From source of Emission	: -
b. From Roof Level	: -
c. From Ground Level	: 41
Diameter of stack (cm)	: 25
Sampling Duration (minutes)	: 30
Parameters Monitored	: PM, NOx, SO2, CO & CO2
Purpose of Monitoring	: Assessment of pollution load
Products Manufactured	: Hospital
Control measures (if any)	: Nil
Recovery of Material (if any)	: Nil
General Sensory observations	: Normal
Fugitive Emissions (if any)	: Nil
Stack Temperature (°C)	: 91
Ambient Temperature(°C)	: 37
Average Stack Velocity (m/second)	: 9.71
Quantity of Emission (Nm3/Hr)	: 1300



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**TEST REPORT**

ULR : TC1122025200009284F

Party Code : D/DLH/029

REPORT NO. : SE0609003625/N

S.No.	Parameters	Units	Results	Limits (Max.)	Protocols
1.	Particulate Matter	mg/Nm <sup>3</sup>	48.3	80	IS:11255 (P-1)
2.	Nitrogen Oxides ( as NOx )	mg/Nm <sup>3</sup>	97.3	NA	IS:11255 (P-7)
3.	Sulphur Dioxide ( as SO <sub>2</sub> )	mg/Nm <sup>3</sup>	38.4	NA	IS:11255 (P-2)
4.	Carbon Monoxide ( as CO )	mg/Nm <sup>3</sup>	64.9	NA	SIMA/ENV/STP/001 , Issue No.1 , Issue date 10.01.2022
5.	Carbon Dioxide (as CO <sub>2</sub> )	%	8	NA	IS:13270 Method-A

NA-Not Applicable

The above mentioned parameters meets the specification of EP Act Standard.

--- End of Test Report ---



*Neeraj Singh*

Neeraj Singh Adhikari  
 Reviewed By

Authorized Signatory

*Diwakar Jha*

Diwakar Jha  
 D.G.M Technical Environment

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**TEST REPORT**

ULR : TC1122025200009269F

Party Code : D/DLH/029  
 \*Issued to : Dr. B.L. Kapur Memorial Hospital  
 Pusa Road, New Delhi-110005 . New Delhi

REPORT NO. : SE0609003725/N  
 \*Customer Ref.No. : NS  
 \*Reference Date : NS  
 Date of Sampling : 06/06/2025  
 Date of Received : 06/06/2025  
 Date of Issue : 17/06/2025  
 Start Date of Analysis : 06/06/2025  
 Date of Completion : 16/06/2025  
 Environmental Condition : 25±2°C,RH50±15%  
 Sample Condition : OK  
 \*Sample Qty. : NS

\*Sample Name : Stack Emission  
 SOP/Sampling Plan : SIMA/ENV/SOP/011  
 Test Method Deviation : NA  
 Sample Collection : Sample Collected By Us

**RESULTS OF ANALYSIS**

Reference : IS 11255 & EPA

Sample Description	: One stack emission sample was collected by us on 06/06/2025 between 04:40 PM to 05:10 PM
Name of Industry	: Dr. B.L. Kapur Memorial Hospital
Name of plant & Section	: D.G. section
Emission Source Monitored	: D.G. stack
Type of Fuel Used	: HSD
Stack Identification	: D.G. stack no. 3 (500 KVA)
Normal Operating Schedule (Hrs/day)	: As & when required
Location of sampling Point	: Port hole on stack
Type of Chimney (ACC/Metal)	: Metal
Stack Height (Meters)	
a. From source of Emission	: -
b. From Roof Level	: -
c. From Ground Level	: 25
Diameter of stack (cm)	: 20
Sampling Duration (minutes)	: 30
Parameters Monitored	: PM, NO <sub>x</sub> , SO <sub>2</sub> , CO & HC
Purpose of Monitoring	: Assessment of pollution load
Products Manufactured	: Hospital
Control measures (if any)	: Nil
Recovery of Material (if any)	: Nil
General Sensory observations	: Normal
Fugitive Emissions (if any)	: Nil
Stack Temperature (°C)	: 220
Ambient Temperature(°C)	: 37
Average Stack Velocity (m/second)	: 13.18
Quantity of Emission (Nm <sup>3</sup> /Hr)	: 837

Authorized Signatory

*Neeraj Singh Adhikari*

Neeraj Singh Adhikari  
 Reviewed By

*Diwakar Jha*

Diwakar Jha  
 D.G.M Technical Environment

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Phone : +(91)-(011) 43854300  
Email : reports@simalab.com  
CIN No : U74899DL1988PTC031785  
Website : www.simalab.net | www.simalab.com



## TEST REPORT

ULR : TC112202520009269F

Party Code : D/DLH/029

REPORT NO.

: SE0609003725/N

S.No.	Parameters	Results-1 (mg/Nm <sup>3</sup> )	Limits (Max.) (mg/Nm <sup>3</sup> )	Results-2 (gm/kw-Hr.)	Limits(Max.) (gm/kw-Hr.)	Protocols
1.	Particulate Matter	43.6	150.0	0.091	0.3	IS:11255 (P-1)
2.	Nitrogen Oxides ( as NOx )	131	NA	0.274	9.2	IS:11255 (P-7)
3.	Sulphur Dioxide ( as SO <sub>2</sub> )	39.4	NA	0.082	NA	IS:11255 (P-2)
4.	Carbon Monoxide ( as CO )	76.6	NA	0.160	3.5	SIMA/ENV/STP/001 , Issue No.1 , Issue date 10.01.2022
5.	Total Hydrocarbon (as Methane)	19.9	NA	0.042	1.3	IS:11255 (P-15)

NA - Not Applicable

The above mentioned parameters meets the specification of EP Act Standard.

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Authorized Signatory

Diwakar Jha  
D.G.M Technical Environment

Neeraj Singh Adhikari  
Reviewed By

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CIN No : U74899DL1968PTC031785  
Website : www.simalab.net | www.simalab.com



## TEST REPORT

ULR : TC1122025200009279F

Party Code : D/DLH/029  
\*Issued to : Dr. B.L. Kapur Memorial Hospital  
Pusa Road, New Delhi-110005 . New Delhi

REPORT NO. : SE0609003825/N  
\*Customer Ref.No. : NS

\*Sample Name : Stack Emission  
SOP/Sampling Plan : SIMA/ENV/SOP/011  
Test Method Deviation : NA  
Sample Collection : Sample Collected By Us

\*Reference Date : NS  
Date of Sampling : 06/06/2025  
Date of Received : 09/06/2025  
Date of Issue : 17/06/2025  
Start Date of Analysis : 09/06/2025  
Date of Completion : 16/06/2025  
Environmental Condition : 25±2°C,RH50±15%  
Sample Condition : OK  
\*Sample Qty. : NS

### RESULTS OF ANALYSIS

Reference : IS 11255, EPA & CAQM

Sample Description	: One stack emission sample was collected by us on 06/06/2025 between 03:20 PM to 03:50 PM
Name of Industry	: Dr. B.L. Kapur Memorial Hospital
Name of plant & Section	: D.G. section
Emission Source Monitored	: D.G. stack
Type of Fuel Used	: HSD
Stack Identification	: D.G. stack no. 1 (1010 KVA) Sr. No. 25325365
Normal Operating Schedule (Hrs/day)	: As & when required
Location of sampling Point	: Port hole on stack
Type of Chimney (ACC/Metal)	: Metal
Stack Height (Meters)	
a. From source of Emission	: -
b. From Roof Level	: -
c. From Ground Level	: 30
Diameter of stack (cm)	: 35
Sampling Duration (minutes)	: 30
Parameters Monitored	: PM, NOx, SO2, CO & NMHC
Purpose of Monitoring	: Assessment of pollution load
Products Manufactured	: Hospital
Control measures (if any)	: Nil
Recovery of Material (if any)	: Nil
General Sensory observations	: Normal
Fugitive Emissions (if any)	: Nil
Stack Temperature (°C)	: 358
Ambient Temperature(°C)	: 35
Average Stack Velocity (m/second)	: 16.28
Quantity of Emission (Nm3/Hr)	: 2473



*Neeraj Singh Adhikari*

Neeraj Singh Adhikari  
Reviewed By

Authorized Signatory

*Diwaker Jha*

Diwaker Jha  
D.G.M Technical Environment

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**TEST REPORT**

ULR : TC1122025200009279F

Party Code : D/DLH/029

REPORT NO. : SE0809003825/N

S.No.	Parameters	Units	Results	Limits (Max.)	Protocols
1.	Particulate Matter	mg/Nm <sup>3</sup>	44.4 (at 15% O <sub>2</sub> Corr.)	50	IS:11255 (P-1)
2.	Nitrogen Oxides ( as NO <sub>x</sub> )	mg/Nm <sup>3</sup>	223 (at 15% O <sub>2</sub> Corr.)	650	IS:11255 (P-7)
3.	Sulphur Dioxide ( as SO <sub>2</sub> )	mg/Nm <sup>3</sup>	44.4	NA	IS:11255 (P-2)
4.	Carbon Monoxide ( as CO )	mg/Nm <sup>3</sup>	90.3 (at 15% O <sub>2</sub> Corr.)	100	SIMA/ENV/STP/001 , Issue No.1 , Issue date 10.01.2022
5.	Non Methane Hydrocarbons (as C)	mg/Nm <sup>3</sup>	11.9	NA	SIMA/ENV/STP/002, Issue No.1 , Issue date 04.03.2022

NA - Not Applicable

The above mentioned parameters meets the specification of CAQM Standard.

--- End of Test Report ---



*Neeraj Singh Adhikari*  
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Website : www.simalab.net | www.simalab.com



TC-11220



## TEST REPORT

ULR : TC1122025200009280F

Party Code : D/DLH/029  
\*Issued to : Dr. B.L. Kapur Memorial Hospital  
Pusa Road, New Delhi-110005 . New Delhi

REPORT NO. : SE0609003925/N  
\*Customer Ref.No. : NS

\*Reference Date : NS  
Date of Sampling : 06/06/2025  
Date of Received : 09/06/2025  
Date of Issue : 17/06/2025  
Start Date of Analysis : 09/06/2025  
Date of Completion : 16/06/2025  
Environmental Condition : 25±2°C, RH50±15%  
Sample Condition : OK  
\*Sample Qty. : NS

\*Sample Name : Stack Emission  
SOP/Sampling Plan : SIMA/ENV/SOP/011  
Test Method Deviation : NA  
Sample Collection : Sample Collected By Us

### RESULTS OF ANALYSIS

Reference : IS 11255 & EPA

Sample Description	: One stack emission sample was collected by us on 06/06/2025 between 04:00 PM to 04:30 PM
Name of Industry	: Dr. B.L. Kapur Memorial Hospital
Name of plant & Section	: D.G. section
Emission Source Monitored	: D.G. stack
Type of Fuel Used	: HSD
Stack Identification	: D.G. stack no. 2 (1010 KVA) Make-Cummins Sr. No. 25325936 Run On 850 AMP Load)
Normal Operating Schedule (Hrs/day)	: As & when required
Location of sampling Point	: Port hole on stack
Type of Chimney (ACC/Metal)	: Metal
Stack Height (Meters)	
a. From source of Emission	: -
b. From Roof Level	: -
c. From Ground Level	: 30
Diameter of stack (cm)	: 35
Sampling Duration (minutes)	: 30
Parameters Monitored	: PM, NO <sub>x</sub> , SO <sub>2</sub> , CO & NMHC
Purpose of Monitoring	: Assessment of pollution load
Products Manufactured	: Hospital
Control measures (if any)	: Nil
Recovery of Material (if any)	: Nil
General Sensory observations	: Normal
Fugitive Emissions (if any)	: Nil
Stack Temperature (°C)	: 350
Ambient Temperature(°C)	: 38
Average Stack Velocity (m/second)	: 16.42
Quantity of Emission (Nm <sup>3</sup> /Hr)	: 2526



*Neeraj Singh Adhikari*

Neeraj Singh Adhikari

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Authorized Signatory

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**TEST REPORT**

ULR : TC1122025200009280F

REPORT NO. : SE0609003925/N

Party Code : D/DLH/029

S.No.	Parameters	Units	Results	Limits (Max.)	Protocols
1.	Particulate Matter	mg/Nm <sup>3</sup>	43.0 (at 15% O <sub>2</sub> Corr.)	50	IS:11255 (P-1)
2.	Nitrogen Oxides ( as NO <sub>x</sub> )	mg/Nm <sup>3</sup>	225 (at 15% O <sub>2</sub> Corr.)	650	IS:11255 (P-7)
3.	Sulphur Dioxide ( as SO <sub>2</sub> )	mg/Nm <sup>3</sup>	45.0	NA	IS:11255 (P-2)
4.	Carbon Monoxide ( as CO )	mg/Nm <sup>3</sup>	87.1 (at 15% O <sub>2</sub> Corr.)	100	SIMA/ENV/STP/001 , Issue No.1 , Issue date 10.01.2022
5.	Non Methane Hydrocarbons (as C)	mg/Nm <sup>3</sup>	10.0	NA	SIMA/ENV/STP/002 , Issue No.1 , Issue date 04.03.2022

NA - Not Applicable

The above mentioned parameters meets the specification of EP Act Standard.

--- End of Test Report ---



*Neeraj Singh Adhikari*  
 Neeraj Singh Adhikari  
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 Diwakar Jha  
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