

Date-29.05.2024

To,
Director
Ministry of Environment, Forest & Climate Change,
Integrated Regional Office, Office of PCCF
Aranya Bhawan, MG Road, Jhalana Institutional Area,
Jaipur, Rajasthan 302004

Subject: Submission of half-yearly compliance report in respect of stipulated conditions of Environmental Clearance

Reference; - Environmental Clearance, vide. no- SEIAA-D/C228/EC-318/2016 dated 01/03/2016

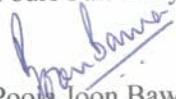
Dear Sir,

We are submitting the point wise compliance report against the stipulated condition of Environmental Clearance for the expansion of Max Super Speciality Hospital (A Unit of Balaji Medical & Diagnostic Research Centre) at 108 A, I.P. Extension, Patparganj, Delhi-110092. This report is for the period of Oct'23-March'24.

Kindly acknowledge the same.

Thanking You

Yours Faithfully


Pooja Joon Bawa
Executive Trustee

CC-

1. The Member Secretary, State Environmental Impact Assessment Authority (SEIAA) - Delhi
Office of Delhi Pollution Control Committee, 5th Floor, ISBT Building, Kashmere Gate, Delhi-110006
2. The Environment Engineer, Delhi Pollution Control Committee, 5th Floor, ISBT Building, Kashmere Gate, Delhi-110006

Encl- As above

Max Super Speciality Hospital, Patparganj
(A Unit of Balaji Medical and Diagnostic Research Centre)
(Balaji Medical and Diagnostic Research Centre
registered under the Societies Registration Act XXI of 1860)
Regd. Office: 108 A, Indraprastha Extension, Patparganj, New Delhi - 110 092
For medical service queries or appointments, call: +91-11 4303 3333, Fax: +91-11 2223 5563
www.maxhealthcare.in



Your (**Environment Clearance**) application has been **Submitted** with following details

Proposal No	SEIAA-D/C228/EC-318/2016
Compliance ID	72239662
Compliance Number(For Tracking)	EC/M/COMPLIANCE/72239662/2024
Reporting Year	2024
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	30-05-2024
IRO Name	
IRO Email	
State	
IRO Office Address	
Note:- SMS and E-Mail has been sent to , with Notification to Project Proponent.	

POINT - WISE STATUS OF CONDITIONS OF ENVIRONMENTAL CLEARANCE

Clearance Letter No. : SEIAA-D/C228/EC-318/2016 dated 01/03/2016

Name of the Project: M/s. Max Super Speciality Hospital at 108 A, I.P. Extension, Patparganj, Delhi-110092

Period of Compliance Report: Oct'2023 to March'2024

Submission to-

- 1) Director, Ministry of Environment, Forest & Climate Change, Integrated Regional Office, Office of PCCF, Aranya Bhawan, MG Road, Jhalana Institutional Area, Jaipur, Rajasthan 302004
- 2) The State level Environment Impact Assessment Authority- Delhi
- 3) Member Secretary of Delhi Pollution Control Committee, ISBT Kashmere gate, New Delhi

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(For Expansion)

Part A – Specific Condition

I. Pre – Construction Phase (for expansion) -

S. N.	Conditions	Status of Compliance
1.	Consent to Establish shall be obtained from Delhi Pollution Control Committee (DPCC) under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 and a copy of the same shall be submitted to the regional office of Ministry of Environment & Forests & State Level Environment Impact Assessment Authority before the start of any construction work at site.	Consent to Establish (CTE) has been obtained by DPCC vide acknowledgement no DPCC/CMC/2023/8845071 dated 14-12-2023. Copy of CTE is attached as <u>Annexure-1.</u>
2.	Under the provisions of Environment (Protection), Act 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Environmental Clearance (EC) has been obtained from SEIAA vide. no. DPCC/SEIAA-D-III/C228/2016/3170-3175/3170, dated 01.03.2016. Copy of EC is attached as <u>Annexure 2.</u>
3.	The Project proponent shall obtain all other necessary requisite clearances / permissions from concerned authorities / agencies before commencement of work.	All necessary approvals have been taken from respective authorities.
4.	A first aid room to be provided in the project both during construction and operation phase of the project.	Construction site is within premises of hospital and adjacent to the emergency of hospital.
5.	The approval of competent authority shall be obtained for structural safety of the building due to earthquake, adequacy for firefighting equipment's etc. as per National Building Code including protection measures from lightening etc.	It shall be ensured.
6.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	All necessary measures is being taken in this regard.
7.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. the housing may be in the form of temporary structures to be removed after completion of the project.	Construction site is adjacent to hospital building. Construction workers are using necessary facility of this building.

II. Construction Phase :

S. N.	Conditions	Status of Compliance
1.	The Project Proponent shall ensure that the guidelines issued by Ministry of Environment, Forests & Climate Change (MoEF& CC), Vide OM No. 19-2/2013-IA.III dated 09.06.2015 to be followed for building and	This will be ensured.

	construction projects to ensure sustainable environmental management in pursuance of Notification No. 3252 (E) dated 22.12.2014 under the EIA Notification, 2006, as applicable are followed in this project.	
2.	All the top soil excavated during construction activities should be stored for horticulture / landscape development within the project site.	Noted
3.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off. after taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority. The rules on the solid waste management including construction waste issued by MoEF& CC as amended will be applicable.	Noted and being ensured.
4.	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not reach into the ground water.	Noted and being ensured.
5.	Any hazardous waste generated during construction and operation phase should be disposed off as per applicable rules and norms with necessary approvals to the Delhi Pollution Control Committee.	All the generated hazardous waste will be disposed as per applicable rules.
6.	Proper measures should be adopted to control dust emissions during construction phase.	Construction area has been fenced with adequate height and anti-dust smog gun has been deployed to control the dust.
7.	Vehicles hired for bringing construction material to the site and other machinery to be used during construction should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours. The material loaded or unloaded should be covered (especially sand, excavated soil) before transportation to avoid fugitive emissions etc.	PUC certificate of all vehicles is being checked and documented. Adequate covers is being provided to cover the sand & soil material before transportation.
8.	Techniques like, air extraction equipment, and covering scaffolding, hosing down roads surfaces, reducing the speed of vehicle, use of covering sheets for vehicles carrying construction materials and cleaning of vehicles to reduce dust and vapour emissions. Measures should include appropriate containment around bulk storage tanks anti materials stores to prevent spillages entering water courses.	Noted and being ensured.
9.	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment Protection Rules prescribed for air and noise emission standards.	Noted and being ensured.
10.	The diesel required for operating DG Sets shall be stored in underground tanks and if required clearance from Chief Controller of Explosives shall be taken.	DG sets of existing hospital is used for construction phase and HSD storage approval has been taken from competent authority.
11.	Ambient noise levels should conform to prescribed	Regular monitoring of ambient air and noise are

	standards both during day and night adequate measures should be made to reduce ambient air and noise level during construction and operation phase, so as to conform to the norms stipulated by CPCB / DPCC. Ambient air and noise monitoring should be done by an accredited lab and data should also be submitted on six monthly basis, with DPCC & Regional Office of MoEF& CC. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.	being conducted through NABL accredited lab. Test reports are attached as <u>Annexure-3.</u>
12.	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 th August, 2003.	Noted and being ensured.
13.	Ready Mix Concrete must be used in building construction.	Noted and being ensured.
14.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices preferred.	Noted and being ensured.
15.	Proponent shall obtain prior permission for ground water withdrawal from Delhi Jal Board or the New Delhi Municipal Council, as the case may be, in compliance of notification dated 12.07.2010.	Noted and will be ensured.
16.	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	Noted and will be ensured.
17.	Construction / provision of the STP, DG Sets, and Utilities etc, earmarked by the project proponent on the layout plan should be made in the earmarked area only. In any case the position / location of these utilities should not be changed later-on.	Noted and being ensured.
18.	Health and safety norms of CPWD should be followed during construction.	It will be adhered.
19.	Soil and water samples of the site should be tested by the proponent through DPCC recognized laboratory to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants, on quarterly basis for inclusion in the six monthly report.	Testing of ground water is being conducted by accredited labs. Test reports are attached as <u>Annexure-4.</u>
20.	Adequate steps shall be taken to conserve energy by limiting the use of glass up-to 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows, provision of proper thermal insulation and taking measures as prescribed under the Energy Conservation Building Code.	Noted and will be ensured.
21.	Energy Conservation Building Code to be strictly adopted in all aspects of building design and construction.	Noted and will be ensured.
22.	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, as to avoid disturbance to all surroundings.	It is being ensured.

III. Operation Phase: Construction work yet to be started.

IV. Entire Life:

S. No.	Conditions	Status of Compliance
1.	Renewal of "Consent To Operate" shall be obtained Delhi Pollution Control Committee, from time to time and a copy of the same shall be submitted to the Regional Office of Ministry of Environment & Forests & State Level Environment Impact Assessment Authority.	Consent To Operate will be obtained after completion of project and will be submitted in Regional office of MOEF.
2.	The project proponent will be responsible for the operation, maintenance and implementation of environmental safeguards for the project.	Noted and will be ensured.
3.	Environmental Management Cell shall remain functional to supervise and monitor the environment related aspects of the project.	Noted and will be ensured.
4.	The project proponent shall operate and maintain the installed Sewage Treatment Plant to achieve the Zero wastewater discharge condition & treated effluent shall conform to the norms and standards prescribed by Delhi Pollution control Committee.	Sewage treatment plant will be operated & maintained properly & maximum efforts will be taken for reuse of treated waste water in toilet flushing, gardening and utilities purpose. Rest treated waste water will be discharged in public sewer with complying the DPCC norms.
5.	The project proponent shall properly maintain the installed electromagnetic flow meters and the quantity of fresh water usage and water recycling shall be measured and recorded to monitor the water balance. The record shall be submitted to the Delhi Pollution Control Committee, State Level Environment Impact Assessment Authority & Regional Office, MoEF & CC along with six monthly Monitoring reports.	Noted and will be ensured.
6.	The ground water drawl from exiting / proposed bore well should be done only with the prior permission of DJB / New Delhi Municipal Council.	Noted and will be ensured.
7.	Rainwater harvesting system shall be properly maintained and kept functional and periodical cleaning of the same shall be undertaken specifically including the period before onset of the monsoon.	Noted and will be ensured.
8.	Incremental pollution loads on the ambient air quality, noise, stack and water quality should be periodically monitored.	Noted and will be ensured.
9.	Thick green belt of the adequate width and density with local species, as per plan submitted shall be maintained.	Noted and will be ensured.
10.	Traffic congestion near the entry and exit points from the roads adjoining the project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Noted and will be ensured.

V. Other Specific Conditions:

S. N.	Conditions	Status of Compliance
1.	Treated water of DJB STP should be used for construction purposes upto the maximum extent possible.	Recycled water of existing STP of hospital is being used for for construction phase.
2.	Packaged / mobile STP shall be provided for labour camp during construction phase.	Construction site within the existing hospital premises.
3.	Ground water should be extracted only after the permission from DJB.	Necessary approval will be taken in this regard from competent authority.
4.	Boring for Rain Water Harvesting system should not be permitted / done before completion of structure work.	It shall be ensured.
5.	STP should be adequate to treat the waste water so that BOD level should not exceed 10 mg/l in treated water.	It shall be ensured. MBR based STP has been installed to achieve the desired results.
6.	Flow Meters should be installed to monitor consumption of fresh water as well as treated water & log book for these flow meter be maintained in a regular manner. Flow meters shall be installed at inlet of STP, outlet of STP, inlet of flushing tanks, inlet of cooling water tanks and reuse line for horticulture purposes. Flow meter should be capable to transmit data to the DPCC on real time basis.	Noted and will be ensured.
7.	Fixed pipelines should be provided for distribution of excess treated waste water for horticultural use within the complex.	Noted and will be ensured.
8	Excess treated waste water should not be discharged into nearby drains and should be diverted into the nearby horticultural parks through fixed pipelines to be laid by the project proponent. ``	Necessary action will be taken in this regard.
9.	Treated water from Hospital ETP should be used for cooling purposes and should not be mix with STP treated water.	Treated water of ETP shall be treated in biological system of STP to achieve the desired norms.
10.	Rain Water from roof top only should be discharged in the RWH pits for recharging of ground water. Surface rain water should be drained out into public storm water drainage system.	Noted and will be ensured.
11.	Minimum 1 tree for every 80 Sq. Mt of plot area should be planned within the project site in accordance with the landscape plan submitted.	Noted and will be ensured.
12	Provide dedicated lane/passage for entry of the vehicles carrying the emergency patients into the hospital & it must be ensured that there is no parking in this lane and it remains obstacle free all the times.	Noted and will be ensured.
13	Solar Photovoltaic (SPV) system should be installed to reduce use of conventional source of energy by at least 20% of total load. Minimum 50% of roof top area of building should be utilized for installation of solar Panels / SPV system.	Action will be taken at maximum extent for utilization of solar.
14.	Only LEDs should be used.	Noted and will be ensured.
15.	Green building norms should be followed with a	Noted and will be ensured.

	minimum 3 star GRIHA rating and Gold star LEED rating.	
16.	Construction & Demolition waste should be disposed of at authorized C&D waste processing unit.	C & D waste will be disposed through authorized channel.
17.	Minimum 8 m high barricade should be provided before the start of construction.	Noted and being ensured.
18.	During the construction Phase for control of dust pollution all precautionary measure should be ensured in compliance of Hon'ble National Green Tribunal order dated 04.12.2014 & 10.04.2015 in O.A No. 21 of 2014 and O.A. No. 95 of 2014 in the matter of Vardhman Kaushik Vs. Union of India & others and Sanjay Kulshreshtha Vs. Union of India & Ors.	Noted and being ensured.
19.	Provision for dedicated passage for entry of the emergency patients should be made.	Noted and will be ensured.

Part B –General Condition

S. No.	Conditions	Status of Compliance
1.	The project proponent should prominently advertise in at least two local Newspapers widely circulated in the region indicating that the project has been accorded Environmental Clearance and copy of clearance is available with the DPCC and may also be seen on the website of DPCC at http://www.dpcc.delhigovt@nic.in . the advertisement should be made within 10 days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the Regional Office of MoEF& CC and SEIAA-Delhi.	We published the advertisement in public news-papers and evidence has been submitted in your office.
2.	The project proponent should submit copy of Environmental Clearance to the Heads of Local bodies, Panchayats and Municipal bodies in addition to relevant officer of Government who in turn has to display the same for 30 days from the date of receipt. The clearance letter shall also be put on the website of the Company by the proponent.	Done.
3.	The environmental safeguards and monitoring schedule as contained in the EMP should be implemented in letter and spirit & there will be no departure from the final project proposal as approval herein.	Noted and will be ensured.
4.	Corporate Social Responsibility should be carried out as per action plan submitted. CSR expenditure of 0.4% of the project cost towards capital works and 0.08% of the project cost towards annual recurring expenditure.	Noted and will be ensured.
5.	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure duly certified by CA shall be reported to SEIAA and concerned Regional Office of MoEF& CC.	Noted and will be ensured.

6.	Officials from Regional Office, Ministry of Environment, Forests & Climate Change, Govt. of India / State Level Environment Impact Assessment Authority / Delhi Pollution Control Committee, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents / data on site by the project proponents during their site inspection.	Noted and will be ensured.
7.	A complete set of all the documents submitted to SEAC should be forwarded to Regional Office, Ministry of Environment, Forest & Climate Change, Govt. of India and Delhi Pollution Control Committee.	Already submitted in your office.
8.	In the case of any changes (s) in the scope of the project, the project would require a fresh appraisal by the SEAC and approval of SEIAA.	Noted and will be ensured.
9.	The project proponent shall comply with the notifications and court orders issued time to time regarding use, sale and storage of all kinds of plastic bags.	Agreed
10.	E-waste generated in the complex should be managed as per CPCB guidelines on E-waste management and disposed through approved e-waste recyclers.	Noted and will be ensured.
11.	Hazardous waste should be disposed off as per Rules applicable.	Noted and will be ensured.
12.	The solid waste (Dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed off outside the premises, adequate measures should be taken to prevent odour problem.	Noted and will be ensured.
13.	State Environmental Impact Assessment Authority reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including the revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Agreed
14.	Environmental clearance is subject to final order of the Hon'ble 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 and decisions of any Competent Court, to the extent applicable.	Agreed
15.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Necessary approval will be taken from respective authorities.
16.	These stipulations would be enforced among others under the provisions of Water (Prevention and Control) Pollution Act, 1974, the Air (Prevention and Control) Act 1981, the	Agreed

	Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	
17.	Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.	Status of compliance of various stipulated conditions is displayed on our website. www.maxhealthcare.com
18.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard & soft copies) to Regional Office, Ministry of Environment, Forests & Climate Change, Govt. of India, SEIAA-Delhi and Delhi Pollution Control committee.	Noted and it is being ensured.
19.	This environmental clearance will be valid for a period of seven years from the date of its issue.	Agreed
20.	It will be the responsibility of the project proponent to obtain prior clearance / approval & ensure compliances under all other relevant Acts / Rules / Regulations / guidelines / instructions / Court Orders / Tribunal Orders as applicable to this project before starting of the project.	Agreed
21.	In view of MoEF&CC Office Memorandum No. 21-270/2008-IA.III dated 19.06.2013 read with MoEF& CC Office Memorandum No. 22-154/2015-IA.III dated 10.11.2015, this environmental clearance is being granted focusing only on the environment concerns. The project will be regulated by the concerned local Civic Authorities under the provisions of the relevant provisions of the extent MPD-2021, Building Control Regulations and Safety Regulations.	Agreed
22.	This Environmental Clearance is subject to the condition that concerned local civic agencies will give the permission for use/occupation of the building only after the written assurance of DJB / New Delhi Municipal Council / other such local Civic authority (as the case may be) regarding supply of adequate water for the residents / occupiers.	Agreed
23.	Grant of environmental clearance does not necessary implies that water / power supply shall be granted to the project and that their proposals for water / power supply shall be considered by the respective authorities on their merits and decision taking.	Agreed
24.	The investment made in the project, if any based on environmental clearance so granted, in anticipation of the clearance from water / power supply angle shall be entirely at the cost and risk of the project proponent and SEIAA, Delhi shall not be responsible in this regard in any manner.	Agreed
25.	This Environmental Clearance is subject to the condition that concerned local civic agencies will give the permission for use / occupation of the building only after the written assurance of DJB / New Delhi Municipal Council / other such local civic authority (as the case may be) regarding supply of adequate water for the residents / occupiers.	Agreed

26.	Grant of environmental clearance does not necessarily implies that water / power supply shall be considered by the respective authorities on their merits and decision taking.	Agreed
27.	The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from water / power supply angle shall be entirely at the cost and risk of the project proponent and SEIAA, Delhi shall not be responsible in this regard in any manner.	Agreed
28.	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.	Agreed



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>)



CONSENT ORDER

Certificate No. :G-35091

Name of the unit	:	MAX SUPER SPECIALITY HOSPITAL
Address	:	108-A, Indraprastha Extension, Patparganj, Health Care Facility, Delhi - 110092
Consent Order No	:	DPCC/CMC/2023/8845071
Date of issue	:	14/12/2023
Product/Activity	:	Health Care Establishments having bed strength above 50 beds and connected or not connected to Sewer and with boiler
Manufacturing Activities	:	Multi Level Car Parking
Category Name	:	[RED]
Product Capacity	:	0 Metric Tonnes/Day

This Consent to **Establish** is hereby granted under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 under **RED** Category. This consent is subjected to terms and conditions specified overleaf. **This is being issued with reference to your application id 8845071 valid from 03/01/2023 to 28/02/2026.**

Prem Swarup
Pankaj
Senior Environmental Engineer

Digitally signed by
Prem Swarup Pankaj
Date: 2023.12.14
13:04:53 +05'30'

Terms and Conditions

1. The Consentee shall meet the effluent prescribed standards i.e. pH= 6.5-9, Total Suspended Solids (TSS) 100, Biochemical Oxygen Demand (3 days at 27 degree Cent.) 30, COD 250, Oil and Grease 10, Bio Assay Test (Present survival of fish after 96 hours in 100% effluent) = 90-100 %.
All effluent parameters are in mg/l except pH value & Bio-assay test value.
2. The Consent is activity specific and based on the information provided in the consent application along with the documents/ subsequent documents/ information submitted to Delhi Pollution Control Committee (DPCC). The Consentee shall apply for fresh consent in case of any change in the activity/ process.
3. The Consentee/ unit shall have/ take separate Electricity/ Power connection in its name and shall have/ install separate meters in this regard.
4. The Consentee shall display the Name of the unit/ HCF along with its Address, Name of the proprietor/ directors/ partners etc., Contact Phone No(s) and its Activities Processes/ Product etc., on a Display Board to be placed/ fixed at the main gate of the unit.
5. The Consentee shall provide and maintain a separate drainage system for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system and shall be connected to the conveyance system/ sewerage system of the area leading to the Common Effluent Treatment Plant of the Industrial Area/ Sewage Treatment Plant of the catchment area.
6. The Consentee shall obtain permission from Delhi Jal Board for ground water extraction, if any, as per the various orders/ Notification of Govt. of NCT of Delhi.
7. The Consentee shall ensure proper channelization/ control system for fugitive emissions generated from the various activities/ processes of the unit and maintain good housekeeping practices so as to maintain a clean & safe environment in and around the premises of the unit.
8. The Consentee shall comply with the noise standards laid down vide Gazette notification of Ministry of Environment and Forest (MoEF), Government of India Dated 17.05.2002 & 12.07.2004, as amended to date, for the Diesel Generator Set(s) and shall also comply with the Emission Standards prescribed for Diesel Engines [(Engine rating more than 0.8 MW) for Power Plant, Generator Set applications and other requirements], if any, as per the Gazette Notification of MoEF, Dated 09.07.2002, as amended to date. Stack Height for sets (Engine rating more than 0.8 MW) commissioned after 01.07.2003 shall be maximum of following:-
 - (i) Minimum 6 meter above the building where generator set is installed
 - (ii) 30 meter
 - (iii) $14Q^{0.3}$ (Total SO₂ emission from the plant in kg/hr) and for other DG Set(s) (up to 0.8 MW) stack height shall be as per the following formula, $H = h + 0.2 (KVA)^{0.5}$ (H-Total Height of stack in meter , h = Height of the building in meters where the Generator Set is installed, KVA -Total Generator capacity of the set in KVA).
9. The Consentee shall comply with the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended to date, the Batteries (Management and Handling) Rules, 2001 as amended to date, Solid Waste Management Rules, 2016 and E-Waste (Management) Rules,

2016, the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989, as amended to date, wherever applicable. All such wastes generated from the unit will be managed and handled as per the provisions of the said Rules and will be disposed only through the Recycler/ Preprocessors/ Authorized Agencies for such wastes, authorized by MoEF/ Central Pollution Control Board/ State Pollution Control Board/ Committee/ DPCC as per details available on their websites.

10. The Consentee shall comply with the provisions of the Plastic Waste Management Rules, 2016 as amended to date, if applicable.

11. The Consentee shall comply the other prescribed standards of Effluent/ Emissions as prescribed and as applicable under the provisions of the Environment (Protection) Act, 1986, as amended to date and the various Rules made there under including the Noise Pollution (Regulation and Control) Rules, 2000 as amended to date.

12. The Consentee shall promote the use of LEDs and recovery of mercury from CFL Lamps and should create a system of replacing old bulbs for new to enable recovery of mercury after the bulbs are fused.

13. The Consentee shall not carry out any activity falling under the Prohibited/ Negative list of Industries (Annexure III of MPD-2021) which are prohibited in National Capital Territory of Delhi, as per Master Plan of Delhi.

14. During operational phase, total water demand of the project is expected to be approx. 547 KLD. Trade effluent generated 10 KLD will be treated in proposed ETP of 15 KLD & Domestic wastewater generation 320 KLD and will be treated in proposed STP of 450 KLD.

15. The zero waste water discharge condition to be achieved with installation of onsite Sewage Treatment Plant. Trade effluent shall conform to the norms and standards prescribed by Delhi Pollution Control Committee. The STP should be certified by an independent expert and a report in this regard should be submitted to Delhi Pollution Control Committee before the project is commissioned for operation. Necessary measures should be made to mitigate the odour problem from STP.

16. The treated wastewater shall be recycled and reused for Horticulture/ landscaping/ cooling/ flushing purposes to reduce the demand of fresh water as committed.

17. The project proponent shall provide electromagnetic flow meter at the inlet and outlet of the water supply, Inlet and outlet of the STP and any pipeline to be used for re-using the treated wastewater back into the system for cooling, flushing and for horticulture purpose/green etc. and shall maintain a record of readings of each such meter on daily basis.

18. The quantity of fresh water usage and water recycling shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Delhi Pollution Control Committee on six monthly basis.

19. Capacity of the Diesel Generator Set(s) proposed to install in the unit shall be 2 D.G. sets, 2*1500 KVA. The Consentee shall provide and maintain the Acoustic Enclosure/ Acoustic Treated room for DG Set(s) in good condition and provide the adequate stack height for DG Set(s) to meet the prescribed standards/ norms. The Consentee shall not operate the DG Set(s) till compliance of the prescribed norms/standards for DG Sets. The D.G. Sets installed for construction purposes shall also comply with the prescribed

norms/standards.

20. The Consentee shall comply with the applicable provisions/ Directions given vide Gazette Notification of Department of Environment, Govt. of NCT of Delhi, dated 23.10.2012 including the directions that no person shall manufacture, import, store, sell or transport any kind of plastic carry bags (including that of PolyPropylene, Non-woven fabric type carry bags) in the whole of National Capital Territory of Delhi.

21. The Consentee shall provide widespread Green Cover and the use of Fly Ash as per Fly Ash notification dated 14.09.1999 shall be mandatory.

22. Project Proponent will ensure use of Ozone Depletion Substances (ODS) free appliances so that no toxic gases in air conditioning/ refrigeration/ fire extinguishers are created.

23. During the construction Phase for control of dust pollution all precautionary measures should be ensured in compliance with Hon'ble National Green Tribunal order dated 04.12.2014 and 10.04.2015 in O.A. No. 21 c of 2014 and O.A. No. 95 of 2014 in the matter of Vardhman Kaushik Vs. Union India and other and Sanjay Kulshreshtha Vs. Union of India and Ors. and as notified by MoEF&CC, GOI vide Notification no. G.S.R. 94(E) dated 25.01.2018.

24. It will be the responsibility of the project proponent to obtain prior clearances/ approval and ensure compliances under all other relevant Acts/ Rules/ Regulations/ guidelines/ instructions/ Court Orders/ Tribunal Orders as applicable to this project before starting of the project.

25. The Consentee shall comply with the provisions of Solid Waste Management Rules, 2016.

26. Unit shall implement the environmental safeguards as per stipulations in Environmental Clearance issued by MoEF and CC, Govt. of India Delhi and shall submit half yearly compliance report in respect of the terms and conditions of Environmental Clearance to Regional Office of MoEF and simultaneously to DPCC on the prescribed date.

27. The Consentee shall not extract the GroundWater without obtaining prior permission in this regard from DJB / CGWA. The Consentee shall ensure that there is no bore well in the premises and if exist, the same shall be closed / sealed with immediate effect till permission received from DJB / CGWA.

28. The Consentee shall submit an application for extension of the Consent / Consent to Operate, one month in advance of the expiry date of this Consent Order.

29. This consent is being granted focusing only on the Water Act 1974/ Air Act 1981. The project will be regulated by the concerned local Civic Authorities under the provisions of the relevant provisions of the extant MPD2021, Building Control Regulations and Safety Regulations. The investment made in the project, if any, based on Consent so granted, in anticipation of the clearance from other statutory authorities shall be entirely at the cost and risk of the project proponent DPCC shall not be responsible in this regard in any manner.

30. Project Proponent is allowed to run the pollution control devices and collect and test the data. The trial for these aforesaid purposes is permitted within the period of maximum three months from the date of completion. The Consentee shall give prior intimation, to DPCC, of the dates on which trial would start and end. Thereafter Project Proponent shall apply for Consent to Operate along with requisite details and test

reports to DPCC.

31. The Consentee shall abide by the Guideline on Environmental Management of Construction and Demolition (C&D) Waste and Guidelines on Dust Mitigation Measure in Handling Construction Material and C&D waste developed and published by CPCB available at www.cpcb.nic.in

32. The Consentee shall ensure the compliance of policy to be followed regarding operation of Ready Mix Concrete Plants (RMC Plants) issued vide office order No. DPCC/CMC I/RMC/2017/2596 to 2614 dated 27.12.2017 (available at DPCC website).

33. In the event of any information furnished by the Consentee found to be false OR in case of failure to comply with any of the above mentioned consent conditions, consent granted through this Consent Order shall be deemed to be revoked without any notice and necessary action as per law shall be taken, which may include closure of the unit and prosecution for wrong declaration.

34. Notwithstanding anything contained in this consent order. Delhi Pollution Control Committee, reserves its right to review any/ or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of enforcement of the Air (Prevention and Control of Pollution) Act, 1981, as amended to date and the Water (Prevention and Control of Pollution) Act, 1974, as amended to date.

35. The Consent granted to the Consentee is to ensure control of pollution from the premises of the unit in accordance with various Pollution Control Laws and in no way confers the right to the Consentee/ unit to exist in violation of other laws and statutory provisions including the Master Plan of Delhi.

36. This issue in view of the Office Order dated 12.04.2016 regarding processing of the Consent to Establish cases.

37. The Consentee shall display the enclosed template of Notice for Construction and Demolition Waste Management at the site.

38. Template for displaying notice w.r.t. condition no 37 to be displayed on board of size 6 feet X 4 feet. Background color- Yellow, Letters- Black.

NOTICE

(Construction and demolition waste management rule 2016)

The construction/Demolition site is authorized by... Vide file no... Dated.....

1. Name and Address with contact number of contractor/developer
2. Address of the site
3. Area/length
4. Date of initiation of the project (dd/mm/yy)
5. Scheduled completion date of the project (dd/mm/yy)
6. Details date of completion/disposal/clearing of the site (dd/mm/yy)
7. Estimated waste (TPD)
8. Total estimated waste (MT) for the entire project
9. Nature of waste (concrete/iron/plastic/soil) (TPD)
10. Material Generated Recycled Reused Disposed Sand ----- Concrete -----

11. Identified waste disposal site

12. Mode of utilization of waste (reuse/recycle/converting to construction material)
13. Mode of disposal
14. Mode of handling and transportation (manual/mechanical/pneumatic)(by road/rail)
15. Dust mitigation measures at the site (water sprinkling/curtain/barrister)
16. Reason of delay in disposing waste (in any)
17. Accidents reported (in any) Name of Agency Owner Telephone number



**STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY
(SEIAA)-DELHI**

OFFICE OF DELHI POLLUTION CONTROL COMMITTEE

5th Floor, ISBT Building, Kashmere Gate, Delhi-110006

visit us at : <http://dpcc.delhigovt.nic.in>

F.No. DPCC/ SEIAA-D-III/C228/ 2016/ 3170 - 3175 / 3170 Dated: 01/03/2016

Environmental Clearance No.: SEIAA-D/ C228/EC-318/2016.

To,

**Lt. Gen Daljeet Singh (Executive Trustee),
108 A, I.P. Extension, Patparganj,
Delhi-110092**

Sub: Environmental Clearance for "Expansion of Max Super Speciality Hospital at 108 A, I.P. Extension, Patparganj, Delhi-110092."

This has reference to your application submitted on 24.11.2015 for seeking Environmental Clearance under Environmental Impact Assessment Notification dated 14.09.2006 amended as on date for "Expansion of Max Super Speciality Hospital at 108 A, I.P. Extension, Patparganj, Delhi-110092" and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) for seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised in the meetings of SEAC as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the documents submitted with the application viz., Form-1, 1-A, conceptual plan and the additional clarifications furnished in response to the observations of the State Level Expert Appraisal Committee.

It is inter-alia noted that the proposal is for the grant of Environmental Clearance for **Expansion of Max Super Speciality Hospital** at 108 A, I.P. Extension, Patparganj, Delhi-110092. The total plot area is 12791.06 sq.mt.. The total built-up area is 36,943.68 sq.mt. after expansion (Existing: 27,457.7 sq.mt.). The permissible ground coverage is 5755.98 sq.mt. The total proposed ground coverage is 3901.1 sq.mt. The permissible FAR area is 47966.48 sq.mt. The FAR for existing complex is PPG1:7681.50 sq.mt, PPG2: 18880.46 sq.mt (including basement area). The proposed

FAR for expansion is 389.56 sq.mt. The Non FAR after expansion is 9992.16 sq.mt. The proposed green cover is 3806.18 sq.mt (30%). The total number of towers are 4 & floor are G+23 along with 4 levels of basement. The maximum height of the building is 52.365 m. The total proposed parking is for 543 ECS (Basement parking: basement1- 38, basement2- 38 basement3- 38, basement4- 38; MLCP Tower 1st to 23rd- 138 MLCP Tower2- 60 & Surface parking- 193) whereas the requirement is of 534 ECS. The total number of people using the facility is 1712. The total number of beds is 366. The total water requirement is 295 KLD. The total fresh water requirement is 216 KLD. The source of water supply is Delhi Jal Board. The total wastewater generation will be 185 KLD (184 KLD from flushing & domestic and remaining 1 KLD from laboratory). The wastewater generation of 184 KLD will be treated in the STP of 750 KLD through FAB. The total treated wastewater generation will be 174 KLD. The treated waste water will be used for Gardening & Cooling purposes (79 KLD) and the rest will be discharged to sewer (95 KLD). The effluent generated from laboratory will be 1 KLD. It will be treated in ETP capacity of 15 KLD. Treated effluent will be discharged into municipal sewer. The total number of RWH pits proposed are 3. The total population of the hospital will be 1712. The total municipal solid waste generation is 1279 kg/day. The total bio-medical waste generation is 91.5 kg/day (existing). The total power requirement will be 3125 kVA. The source of power supply will be BSES Yamuna Power Limited Delhi. 2 DG sets of total capacity 3000 kVA (2x 1500 kVA) are proposed for power backup. Cost of the project is 110 Crore.

The requirements of the project have been taken into account by SEAC during the appraisal of project. The SEIAA took account of the discussions and environmental conditions imposed during the consideration of the project in the SEAC meetings held on 16.01.2016 and 30.01.2016.

The State Level Environment Impact Assessment Authority, Delhi (SEIAA-Delhi) in its 29th meeting held on 11.02.2016 hereby accords the Environmental Clearance to the above said project as per provisions of Environment Impact Assessment Notification, 2006 and its subsequent amendments, subject to the strict compliance of the terms and conditions as follows:

PART A - SPECIFIC CONDITIONS:

I. PRE-CONSTRUCTION PHASE

1. Consent to establish" shall be obtained from Delhi Pollution Control Committee (DPCC) under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 and a copy of the same shall be submitted to the regional office of Ministry of Environment & Forests & State Level Environment Impact Assessment Authority before the start of any construction work at site.
2. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
3. The Project Proponent shall obtain all other necessary requisite clearances/ permissions from concerned authorities/ agencies before commencement of work.
4. A first aid room to be provided in the project both during construction and operation phase of the project.
5. The Approval of competent authority shall be obtained for structural safety of the building due to earthquake, adequacy for fire fighting equipments etc as per National Building Code including protection measures from lightening etc.
6. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
7. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after completion of the project.

II. CONSTRUCTION PHASE:

1. The Project Proponent shall ensure that the guidelines issued by Ministry of Environment, Forests & Climate Change (MoEF&CC), vide OM No. I9-2/2013-IA.III dated 09.06.2015, to be followed for building and construction projects to ensure sustainable environmental management in pursuance of Notification No. 3252 (E) dated 22. 12.2014 under the EIA Notification, 2006, as applicable, are followed in this project.

2. All the top soil excavated during construction activities should be stored for horticulture/landscape development within the project site.
3. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority. The Rules on the Solid Waste Management including Construction waste issued by MoEF&CC as amended will be applicable.
4. Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.
5. Any hazardous waste generated during construction and operation phase should be disposed off as per applicable rules and norms with necessary approvals to the Delhi Pollution Control Committee.
6. Proper measures should be adopted to control dust emissions during construction phase.
7. Vehicles hired for bringing construction material to the site and other machinery to be used during construction should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours. The material loaded or unloaded should be covered (especially sand, excavated soil) before transportation to avoid fugitive emissions etc.
8. Techniques like, air extraction equipment, and covering scaffolding, hosing down road surfaces, reducing the speed of vehicle, use of covering sheets for vehicles carrying construction materials and cleaning of vehicles to reduce dust and vapour emissions. Measures should include appropriate containment around bulk storage tanks and materials stores to prevent spillages entering watercourses.
9. The Diesel Generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment Protection Rules prescribed for air and noise emission standards.
10. The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
11. Ambient noise levels should conform to prescribed standards both during day and night. Adequate measures should be made to reduce ambient air and noise level during construction and operation phase, so as to conform to the norms stipulated by CPCB/DPCC. Ambient air

and noise monitoring should be done by an accredited lab and data should also be submitted, on six monthly bases, with DPCC& Regional Office of MoEF&CC. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.

12. 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 27th August, 2003.
13. Ready Mix Concrete must be used in building construction.
14. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices preferred.
15. Proponent shall obtain prior permission for ground water withdrawal from Delhi Jan Board or the New Delhi Municipal Council, as the case may be, in compliance of notification dated 12.07.2010.
16. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
17. Construction/provision of the STP, DG Sets, Utilities etc, earmarked by the project proponent on the layout plan, should be made in the earmarked area only. In any case the position/location of these utilities should not be changed later-on.
18. Health and safety norms of CPWD should be followed during construction.
19. Soil and water samples of the site should be tested by the proponent through DPCC recognized laboratory to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants, on quarterly basis for inclusion in the six monthly report.
20. Adequate steps shall be taken to conserve energy by limiting the use of glass up-to 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows, provision of proper thermal insulation and taking measures as prescribed under the Energy Conservation Building Code.
21. Energy Conservation Building Code to be strictly adopted in all aspects of building design and construction.
22. 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 all surroundings.

III. OPERATION PHASE

1. Consent to Operate shall be obtained from DPCC under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 and a copy of the same shall be submitted to the Ministry of Environment & Forests / State Level Environment Impact Assessment Authority, before operation, failing which the Environmental Clearance herein shall be deemed to be withdrawn.
2. Authorization from Delhi Pollution Control Committee shall be obtained as applicable under Bio-Medical Waste (Management and Handling) Rules, 1998 as amended.
3. The bio-Medical wastes shall be managed in accordance with the Bio-Medical Waste (Management and Handling) Rules, 1998 as amended.
4. The Zero wastewater discharge condition to be achieved with installation of on-site Sewage Treatment Plant & treated effluent shall conform to the norms and standards prescribed by Delhi Pollution Control Committee. The STP should be certified by an independent expert and adequacy report in this regard should be submitted to Delhi Pollution Control Committee & State Level Environment Impact Assessment Authority before the project is commissioned for operation. Necessary measures should be made to mitigate the odour problem from STP.
5. The project proponent shall provide electromagnetic flow meter at the inlet & outlet of the water supply, Inlet & outlet of the STP and any pipeline to be used for re-using the treated wastewater back into the system for cooling, flushing and for horticulture purpose/green etc. and shall maintain a record of readings of each such meter on daily basis.
6. The quantity of fresh water usage and water recycling shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Delhi Pollution Control Committee, State Level Environment Impact Assessment Authority & Regional Office, MoEF&CC along with six monthly Monitoring reports.
7. The treated wastewater shall be recycled and reused for Cooling, flushing & for Horticulture/ landscape purposes to reduce the demand of fresh water as committed.
8. 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.

9. Wastewater generated from IPD, OPD, lab etc. i.e. shall be treated in ETP, and treated effluent shall be reused for cooling purposes to reduce the demand of fresh water as committed.
10. Rain water harvesting, as per plan submitted, for roof top run-off and surface run-off should be implemented. Before recharging the surface run-off, pre-treatment must be done to remove suspended matter, oil and grease. The depth of the bore for rainwater recharging should be kept in consultation with DJB/CGWA. No wastewater (such as sewage, trade effluent, backwash of treatment unit, floor washing wastewater etc) should be discharged into the rainwater harvesting structure in order to avoid groundwater contamination.
11. The ground water drawl from existing/proposed bore well during construction and operation phase should be done only with the prior permission of DJB/N.D.M. Council. The ground water level and its quality should also be monitored regularly.
12. The position / location of the STP, DG Sets & other Utilities etc, installed by the project proponent as per the provisions made in the layout plan, should not be changed later-on under any circumstances.
13. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control and for water conservation.
14. Separation of grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done.
15. All the pipelines carrying water/ waste water should be distinguished using colour coding on raw & potable water pipes, grey water, black water, reuse lines of treated water for flushing, cooling & Horticulture etc.
16. Utilization of Diesel power generating sets is subject to power failure condition only. The DG sets proposed as a source of power back up during operation phase should be of enclosed type low sulphur diesel run and conform to rules made under the Environment (Protection) Act 1986. The DG sets should be subjected to periodic noise and stack monitoring. Waste/used diesel should be stored and managed as per Hazardous Waste (Management and Handling) Rules, 2000 as amended to date and be sold to CPCB approved recyclers.
17. 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.

18. Energy Conservation measures such as solar lighting for common areas, solar water heating system, LEDs for lighting of areas, signage, solar inverters etc should be adopted.
19. Used CFLs/ LEDs should be properly collected and disposed off/ sent for recycling as per the prevailing guidelines/rules of the regulatory authority.
20. A Report on energy conservation measures conforming to energy conservation norms finalized by Bureau of energy Efficiency should be prepared incorporating details about building materials and technology, R & U factors etc and submit a copy to Ministry of Environment & Forests, Regional Office, Chandigarh and DPCC in three months time with intimation to SEIAA.
21. Thick green belt of the adequate width and density with local species, as per plan submitted, shall be raised along the periphery of the plot so as to provide protection against particulates and noise. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety.
22. Traffic congestion near the entry and exit points from the roads adjoining the project site must be avoided. Parking should be fully internalized and no public space should be utilized.
23. Parking facility for taxi and three wheelers to be provided within the premises taking care for movement of patients and elderly.

IV. ENTIRE LIFE:

1. Renewal of "Consent to operate" shall be obtained Delhi Pollution Control Committee, from time to time and a copy of the same shall be submitted to the Regional Office of Ministry of Environment & Forests & State Level Environment Impact Assessment Authority.
2. The project proponent will be responsible for the operation, maintenance and implementation of environmental safeguards for the project.
3. Environmental Management Cell shall remain functional to supervise and monitor the environment related aspects of the project.
4. The project proponent shall operate and maintain the installed Sewage Treatment Plant to achieve the Zero wastewater discharge condition & treated effluent shall conform to the norms and standards prescribed by Delhi Pollution Control Committee.

5. The project proponent shall properly maintain the installed electromagnetic flow meters and the quantity of fresh water usage and water recycling shall be measured and recorded to monitor the water balance. The record shall be submitted to the Delhi Pollution Control Committee, State Level Environment Impact Assessment Authority & Regional Office, MoEF&CC along with six monthly Monitoring reports.
6. The ground water drawl from existing/proposed bore well should be done only with the prior permission of DJB/NEW Delhi Municipal Council.
7. Rainwater harvesting system shall be properly maintained and kept functional and periodical cleaning of the same shall be undertaken specifically including the period before onset of the monsoon.
8. Incremental pollution loads on the ambient air quality, noise, stack and water quality should be periodically monitored.
9. Thick green belt of the adequate width and density with local species, as per plan submitted, shall be maintained.
10. Traffic congestion near the entry and exit points from the roads adjoining the project site must be avoided. Parking should be fully internalized and no public space should be utilized.

V. OTHER SPECIFIC CONDITIONS:

1. Treated water of DJB STP should be used for construction purposes upto the maximum extent possible.
2. Packaged/ mobile STP shall be provided for labour camp during construction phase.
3. Ground water should be extracted only after the permission from DJB.
4. Boring for Rain Water Harvesting system should not be permitted/ done before completion of structure work.
5. STP should be adequate to treat the waste water so that BOD level should not exceed 10 mg/l in treated water.
6. Flow Meters should be installed to monitor consumption of fresh water as well as treated water and log book for these flow meters be maintained in a regular manner. Flow meters shall be installed at Inlet of STP, outlet of STP, inlet of flushing tanks, inlet of cooling water tanks and

- reuse line for horticulture purposes. Flow meter should be capable to transmit data to the DPCC on real time basis.
7. Fixed pipelines should be provided for distribution of excess treated waste water for horticultural use within the complex.
 8. Excess treated waste water should not be discharged into nearby drains and should be diverted into the nearby horticultural parks through a fixed pipeline to be laid by the project proponent.
 9. Treated water from Hospital ETP should be used for cooling purposes and should not be mix with STP treated water.
 10. Rain Water from roof top only should be discharged in the RWH pits for recharging of ground water. Surface rain water should be drained out into public storm water drainage system.
 11. Minimum 1 tree for every 80 Sq. Mt of plot area should be planted within the project site in accordance with the landscape plan submitted.
 12. Provide dedicated lane/passage for entry of the vehicles carrying the emergency patients into the hospital & it must be ensured that there is no parking in this lane and it remains obstacle free all the times.
 13. Solar Photovoltaic (SPV) system should be installed to reduce use of conventional source of energy by atleast 20% of total load. Minimum 50% of roof top area of building should be utilized for installation of Solar Panels/ SPV system.
 14. Only LEDs should be used.
 15. Green building norms should be followed with a minimum 3 Star GRIHA rating or Gold star LEED rating.
 16. Construction & Demolition waste should be disposed of at authorized C&D waste processing unit.
 17. Minimum 8 m high barricade should be provided before the start of construction.
 18. During the construction Phase for control of dust pollution all precautionary measure should be ensured in compliance of Hon'ble National Green Tribunal order dated 4.12.2014 & 10.04.2015 in O.A. No.21 of 2014 and O.A. No. 95 of 2014 in the matter of Vardhaman Kaushik Vs. Union of India & others and Sanjay Kulshreshtha Vs Union of India &ors.

19. Provision for dedicated passage for entry of the emergency patients should be made.

PART B – GENERAL CONDITIONS:

1. The project proponent should prominently advertise in at least two local Newspapers widely circulated in the region indicating that the project has been accorded Environmental Clearance and copy of clearance is available with the DPCC and may also be seen on the website of DPCC at <http://www.dpcc.delhigovt@nic.in>. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional Office of MoEF&CC and SEIAA-Delhi.
2. The project proponent should submit copy of Environmental Clearance to the Heads of Local bodies, Panchayats and Municipal bodies in addition to relevant offices of Government who in turn has to display the same for 30 days from the date of receipt. The clearance letter shall also be put on the website of the Company by the proponent.
3. The environmental safeguards and monitoring schedule as contained in the EMP should be implemented in letter and spirit & there will be no departure from the final project proposal as approval herein.
4. Corporate Social Responsibility should be carried out as per action plan submitted. CSR expenditure of 0.4% of the project cost towards capital works and 0.08% of the project cost towards annual recurring expenditure.
5. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure duly certified by CA shall be reported to SEIAA and concerned Regional Office of MoEF&CC.
6. Officials from Regional Office, Ministry of Environment, Forests & Climate Change, Govt. of India/ State Level Environment Impact Assessment Authority / Delhi Pollution Control Committee, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents/data on site by the project proponents during their site inspection.
7. A complete set of all the documents submitted to SEAC should be forwarded to Regional Office, Ministry of Environment, Forests & Climate Change, Govt. of India and Delhi Pollution Control Committee.
8. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEAC and approval of SEIAA.

9. The project proponent shall comply with the notifications and court orders issued time to time regarding use, sale and storage of all kinds of plastic bags.
10. E-waste generated in the complex should be managed as per CPCB guidelines on E-waste management and disposed through approved e-waste recyclers.
11. Hazardous waste should be disposed off as per Rules applicable.
12. The solid waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed off outside the premises. Adequate measures should be taken to prevent odour problem.
13. State Environmental Impact Assessment Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including the revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
14. Environmental clearance is subject to final order of the Hon'ble 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 and decisions of any Competent Court, to the extent applicable.
15. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
16. These stipulations would be enforced among others under the provisions of Water (Prevention and Control) Pollution Act, 1974, the Air (Prevention and Control) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
17. Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.
18. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard & soft copies) to Regional Office, Ministry of Environment, Forests & Climate Change, Govt. of India, SEIAA-Delhi and Delhi Pollution Control Committee.
19. This environmental clearance will be valid for a period of Seven years from the date of its issue.

20. It will be the responsibility of the project proponent to obtain prior clearances/approval & ensure compliances under all other relevant Acts/ Rules/ Regulations/ guidelines/ instructions/Court Orders/Tribunal Orders as applicable to this project before starting of the project.
21. In view of MoEF&CC Office Memorandum No. 21-270/2008-IA.III dated 19.06.2013 read with MoEF&CC Office Memorandum No. 22-154/2015-IA.III dated 10.11.2015, this environmental clearance is being granted focusing only on the environment concerns. The project will be regulated by the concerned local Civic Authorities under the provisions of the relevant provisions of the extant MPD-2021, Building Control Regulations and Safety Regulations.
22. This Environmental Clearance is subject to the condition that concerned local civic agencies will give the permission for use/ occupation of the building only after the written assurance of DJB/ New Delhi Municipal Council / other such local civic authority (as the case may be) regarding supply of adequate water for the residents/ occupiers.
23. Grant of environmental clearance does not necessarily implies that water/ power supply shall be granted to the project and that their proposals for water/ power supply shall be considered by the respective authorities on their merits and decision taking.
24. The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from water/ power supply angle shall be entirely at the cost and risk of the project proponent and SEIAA, Delhi shall not be responsible in this regard in any manner.
25. This Environmental Clearance is subject to the condition that concerned local civic agencies will give the permission for use/ occupation of the building only after the written assurance of DJB/ New Delhi Municipal Council / other such local civic authority (as the case may be) regarding supply of adequate water for the residents/ occupiers.
26. Grant of environmental clearance does not necessarily implies that water/ power supply shall be granted to the project and that their proposals for water/ power supply shall be considered by the respective authorities on their merits and decision taking.
27. The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from water/ power supply angle shall be entirely at the cost and risk of the project proponent and SEIAA, Delhi shall not be responsible in this regard in any manner.

28. 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.

W
1/12/16
(H. S. Sohal)

Member Secretary
SEIAA-Delhi

Copy to:

1. Sh. Krishan Mohan Sahni, Chairman, State Level Environment Impact Assessment Authority-Delhi, 38, Pocket-2, Jasola Vihar, New Delhi.
2. The Secretary (Environment)-cum-Chairman (DPCC), Department of Environment, Govt. of NCT Delhi, Secretariat Building, 6th Level, C-Wing, I.P. Estate, New Delhi-02.
3. The Additional Principal Chief Conservator of Forests (C), Regional Office (Central), Ministry of Environment, Forests & Climate Change, Govt. of India, Kendriya Bhawan, 5th Floor, Sector-H, Aliganj, Lucknow-226024, Uttar Pradesh.
4. The Director, Impact Assessment Division, Monitoring Cell, Ministry of Environment, Forests & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jorbagh, New Delhi-110003.
5. SEE (IT)- for necessary action regarding uploading the EC on website.

W
1/12/16
(H. S. Sohal)

Member Secretary
SEIAA-Delhi



ARIHANT ANALYTICAL LABORATORY PVT. LTD.

(NABL Accredited Laboratory)

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

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TC-5826

TEST CERTIFICATE

Page 1 of 1

Issued To: M/s Balaji Medical & Diagnostic Research Centre
108A, Indraprastha Extension,
Patparganj, New Delhi – 110 092

Sample Description: Ambient Air Quality Monitoring

Date of Monitoring: 06/03/2024 to 07/03/2024

Report No. AAL ENV-20240307002

Date of Receiving: 07/03/2024

Date of Starting: 07/03/2024

Date of Completion: 11/03/2024

Date of Reporting: 11/03/2024

Sampling Done By: AAL

TEST RESULT

Sampling Details:

Type of Monitoring : Ambient Air Quality Monitoring
Sampling Method : As per IS-5182 (P-14)-2000
Location of Sampling Point : Near Gate No.4
Sampling Started on : 01:30 PM (06/03/2024)
Sampling Completed on : 01:30 PM (07/03/2024)
Actual Time of Sampling (Hrs) : 24:00 Hrs.
Average flow Rate for particulate matter (m³/min.) : 1.18
Total Volume of air sampled for particulate matter (m³) : 1699.2

S. No.	Test Parameters	Unit	Results	Limits as per NAAQS (Max.)	Test Methods
1	Particulate Matter, PM _{2.5}	µg/m ³	68.4	60	IS-5182(P-24)-2019
2	Particulate Matter, PM ₁₀	µg/m ³	140.7	100	IS-5182(P-23)-2006
3	Sulphur Dioxide (as SO ₂)	µg/m ³	15.1	80	IS-5182 (P-2)-2001
4	Nitrogen Dioxide (as NO ₂)	µg/m ³	41.6	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg /m ³	0.8	02 (8hr)	IS-5182(P-10)-1999
6	Ozone (as O ₃)	µg/m ³	38.9	100 (8hr)	IS-5182(P-9)-1974
7	Ammonia (as NH ₃)	µg/m ³	30.2	400	IS-5182(P-25)-2018
8	Lead (as Pb)	µg/m ³	BLQ(DL=0.1)	01	IS-5182(P-22)-2004
9	Nickel (as Ni)	ng/ m ³	BLQ(DL=1.0)	20	AAL/SOP/ENV/008
10	Arsenic (as As)	ng/m ³	BLQ(DL=1.0)	06	IS-5182(P-22)-2004
11	Benzene (as C ₆ H ₆)	µg/m ³	BLQ(DL=5.0)	05	AAL/SOP/ENV/019
12	Banzo a-pyrene (BaP)	ng/m ³	BLQ(DL=1.0)	01	AAL/SOP/ENV/018

NAAQS=National Ambient Air Quality Standard
BLQ=Below Limit of Quantification, DL=Detection Limit

****End of Report****

ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Issued To: M/s Balaji Medical & Diagnostic Research Centre
108A, Indraprastha Extension,
Patparganj, New Delhi – 110 092

Sample Description: Ambient Noise
Date of Monitoring: 06/03/2024 to 07/03/2024
Sampling Location: Near Gate No.4

Report No. AAL ENV-20240307003

Date of Receiving: 07/03/2024
Date of Starting: 07/03/2024
Date of Completion: 11/03/2024
Date of Reporting: 11/03/2024
Sampling Done By: AAL

TEST RESULTS

S. No.	Test Parameter	Unit	Results	Requirement (as per CPCB Guidelines) Limits in dB(A) Leq.		
				Area Code	Category of Area / Zone	Day Time (6AM-10PM)
I	Noise Level					Night Time (10PM-6AM)
	Lmin	dB(A)	38.6			
	L10	dB(A)	60.4			
	L50	dB(A)	56.6			
	L90	dB(A)	46.7			
	Leq	dB(A)	58.4			
	Lmax	dB(A)	66.8			
	Leq-Day	dB(A)	59.7	(A)	Industrial Area	75
				(B)	Commercial Area	65
				(C)	Residential Area	55
	Leq-Night	dB(A)	48.1	(D)	Silence Zone	50

End of Report

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Deputy Technical Manager
Authorised Signatory

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TEST CERTIFICATE

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Issued To:	M/s Balaji Medical & Diagnostic Research Centre 108A, Indraprastha Extension, Patparganj, New Delhi – 110 092	Report No.	AAL WQT-20240125024
Sample Description:	One sample described as Ground Water, was received.	Date of Receiving:	25/01/2024
Sample ID:	Bore well No.1 – Gate No.6	Date of Starting:	25/01/2024
		Date of Completion:	01/02/2024
		Date of Reporting:	01/02/2024
		Sample Quantity:	5 Litre
		Sample Packing Condition:	Plastic Bottle
		Sample Collected By:	AAL

TEST RESULT

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)-2021	Yes
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018	Yes
3	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-7)-2017	Yes
4	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023	Yes
5	pH Value	-	7.36	6.5-8.5	No relaxation	IS 3025(P-11)-2022	Yes
6	Total Dissolved Solids	mg/l	1446.0	500 Max.	2000 Max.	IS 3025(P-16)-2023	Yes
7	Aluminum (as Al)	mg/l	ND(DL=0.03)	0.03 Max.	0.2 Max.	IS 3025(P-55)-2003	Yes
8	Ammonia (as total ammonia-N)	mg/l	ND(DL=0.5)	0.5 Max.	No relaxation	IS 3025(P-34)1988	Yes
9	Anionic Detergent (as MBAS)	mg/l	ND(DL=0.2)	0.2 Max.	1.0 Max.	APHA 5540 C	Yes
10	Barium (as Ba)	mg/l	ND(DL=0.5)	0.7 Max.	No relaxation	APHA 3111 D	Yes
11	Boron (as B)	mg/l	ND(DL=0.5)	0.5 Max.	2.4 Max.	IS 3025(P-57)-2021	Yes
12	Calcium (as Ca)	mg/l	122.0	75 Max.	200 Max.	IS 3025(P-40)-1991	Yes
13	Chloramine (as Cl ₂)	mg/l	ND(DL=0.5)	4.0 Max.	No relaxation	IS 3025(P-26)-2021	Yes
14	Chloride (as Cl)	mg/l	382.0	250 Max.	1000 Max.	IS 3025(P-32)-1988	Yes
15	Copper (as Cu)	mg/l	ND(DL=0.05)	0.05 Max.	1.5 Max.	IS 3025(P-42)-1992	Yes
16	Fluoride (as F)	mg/l	0.61	1 Max.	1.5 Max.	APHA 4500-F D	Yes
17	Residual free chlorine	mg/l	ND(DL=0.1)	0.2 Min. (when Chlorinated)	1.0 Min. (when Chlorinated)	IS 3025(P-26)-2021	-
18	Iron (as Fe)	mg/l	0.28	1.0 Max.	No relaxation	IS 3025(P-53)-2003	Yes
19	Magnesium (as Mg)	mg/l	67.5	30 Max.	100 Max.	IS 3025(P-46)-2023	Yes
20	Manganese (as Mn)	mg/l	ND(DL=0.05)	0.1 Max.	0.3 Max.	APHA 3111 B	Yes
21	Mineral Oil	mg/l	ND(DL=0.5)	1.0 Max.	No relaxation	IS 3025(P-39)-2021	Yes
22	Nitrate (as NO ₃)	mg/l	15.6	45 Max.	No relaxation	IS 3025(P-34)-1988	Yes
23	Phenolic Compound (as C ₆ H ₅ OH)	mg/l	ND(DL=0.001)	0.001 Max.	0.002 Max.	IS 3025(P-43/S-1)-2022	Yes
24	Selenium(as Se)	mg/l	ND(DL=0.01)	0.01 Max.	No relaxation	IS 3025(P-56)-2003	Yes
25	Silver (as Ag)	mg/l	ND(DL=0.1)	0.1 Max.	No relaxation	APHA 3111 B	Yes
26	Sulphate (as SO ₄)	mg/l	194.0	200 Max.	400 Max.	IS 3025(P-24/S-1)-2022	Yes
27	Sulphide (as H ₂ S)	mg/l	ND(DL=0.05)	0.05 Max.	No relaxation	IS 3025(P-29)-2022	Yes
28	Total Alkalinity (as CaCO ₃)	mg/l	578.0	200 Max.	600 Max.	IS 3025(P-23)-2023	Yes
29	Total Hardness (as CaCO ₃)	mg/l	584.0	200 Max.	600 Max.	IS 3025(P-21)-2009	Yes
30	Zinc (as Zn)	mg/l	ND(DL=0.05)	5 Max.	15 Max.	IS 3025(P-49)-1994	Yes

Vinay Dixit

(Microbiologist)

ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Issued To: M/s Balaji Medical & Diagnostic Research Centre
108A, Indraprastha Extension,
Patparganj, New Delhi – 110 092

Report No. AAL WQT-20240125024

Date of Receiving: 25/01/2024
Date of Starting: 25/01/2024
Date of Completion: 01/02/2024
Date of Reporting: 01/02/2024
Sample Quantity: 5 Litre
Sample Packing Condition: Plastic Bottle
Sample Collected By: AAL

Sample Description: One sample described as **Ground Water**, was received.

Sample ID: Bore well No.1 – Gate No.6

TEST RESULT

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
31	Cadmium (as Cd)	mg/l	ND _(DL=0.002)	0.003 Max.	No relaxation	IS 3025(P-41)-2023	Yes
32	Cyanide (as CN)	mg/l	ND _(DL=0.05)	0.05 Max.	No relaxation	APHA 4500 CN-D	Yes
33	Lead (as Pb)	mg/l	ND _(DL=0.01)	0.01 Max.	No relaxation	IS 3025(P-47)-1994	Yes
34	Mercury (as Hg)	mg/l	ND _(DL=0.001)	0.001 Max.	No relaxation	IS 3025(P-48)-1994	Yes
35	Molybdenum (as Mo)	mg/l	ND _(DL=0.05)	0.07 Max.	No relaxation	APHA 3111 D	Yes
36	Nickel (as Ni)	mg/l	ND _(DL=0.01)	0.02 Max.	No relaxation	IS 3025(P-54)-2003	Yes
37	Polychlorinated biphenyls (as PCB)	mg/l	ND _(DL=0.0005)	0.0005 Max.	No relaxation	APHA 6630	Yes
38	Polynuclear Aromatic Hydrocarbons* (as PAH)	mg/l	ND _(DL=0.0001)	0.0001 Max.	No relaxation	APHA 6440	Yes
39	Total Arsenic (as As)	mg/l	ND _(DL=0.01)	0.01 Max.	No relaxation	IS 3025(P-37)-2022	Yes
40	Total Chromium (as Cr)	mg/l	ND _(DL=0.05)	0.05 Max.	No relaxation	IS 3025(P-52)-2003	Yes
41	E.Coli	per 100ml	Absent	Shall not detectable in any 100 ml sample		IS 15185-2016	Yes
42	Total Coliform	per 100ml	Absent	Shall not detectable in any 100 ml sample		IS 15185-2016	Yes
43	Pesticide Residue						
(i)	Alachlor•	µg/l	ND _(DL=0.01)	20.0		USEPA 525.2	Yes
(ii)	Atrazine•	µg/l	ND _(DL=0.01)	2.0		USEPA 525.2	Yes
(iii)	Aldrin	µg/l	ND _(DL=0.01)	0.03		USEPA 525.2	Yes
(iv)	Alpha HCH	µg/l	ND _(DL=0.01)	0.01		USEPA 525.2	Yes
(v)	Beta HCH	µg/l	ND _(DL=0.01)	0.04		USEPA 525.2	Yes
(vi)	Butachlor•	µg/l	ND _(DL=0.01)	125.0		USEPA 525.2	Yes
(vii)	Chlorpyrifos	µg/l	ND _(DL=0.01)	30.0		USEPA 525.2	Yes
(viii)	Delta HCH	µg/l	ND _(DL=0.01)	0.04		USEPA 525.2	Yes
(ix)	2,4- Dichlorophenoxyacetic Acid*	µg/l	ND _(DL=0.01)	30.0		USEPA 515.1	Yes
(x)	DDT	µg/l	ND _(DL=0.01)	1.0		USEPA 508	Yes
(xi)	Endosulfan	µg/l	ND _(DL=0.01)	0.4		USEPA 525.2	Yes
(xii)	Ethion	µg/l	ND _(DL=0.01)	3.0		USEPA 525.2	Yes
(xiii)	Gamma HCH	µg/l	ND _(DL=0.01)	2.0		USEPA 525.2	Yes
(xiv)	Isoproturon•	µg/l	ND _(DL=0.01)	9.0		USEPA 532	Yes
(xv)	Malathion	µg/l	ND _(DL=0.01)	190		USEPA 8141A	Yes
(xvi)	Methyl Parathion	µg/l	ND _(DL=0.01)	0.3		USEPA 8141A	Yes
(xvii)	Monocrotophos•	µg/l	ND _(DL=0.01)	1.0		USEPA 8141A	Yes
(xviii)	Phorate•	µg/l	ND _(DL=0.01)	2.0		USEPA 8141A	Yes

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

Remarks: The above tested parameters meet the requirement of IS: 10500:2012 for permissible limit.

****End of Report****

ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Issued To: M/s Balaji Medical & Diagnostic Research Centre
108A, Indraprastha Extension,
Patparganj, New Delhi – 110 092

Report No. AAL WQT-20240125025

Date of Receiving: 25/01/2024
Date of Starting: 25/01/2024
Date of Completion: 01/02/2024
Date of Reporting: 01/02/2024
Sample Quantity: 5 Litre
Sample Packing Condition: Plastic Bottle
Sample Collected By: AAL

Sample Description: One sample described as Ground Water, was received.

Sample ID: Bore well No.2 – Near Cooling Tower

TEST RESULT

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)-2021	Yes
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018	Yes
3	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025(P-7)-2017	Yes
4	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023	Yes
5	pH Value	-	7.40	6.5-8.5	No relaxation	IS 3025(P-11)-2022	Yes
6	Total Dissolved Solids	mg/l	1240.0	500 Max.	2000 Max.	IS 3025(P-16)-2023	Yes
7	Aluminum (as Al)	mg/l	ND(DL=0.03)	0.03 Max.	0.2 Max.	IS 3025(P-55)-2003	Yes
8	Ammonia (as total ammonia-N)	mg/l	ND(DL=0.5)	0.5 Max.	No relaxation	IS 3025(P-34)-1988	Yes
9	Anionic Detergent (as MBAS)	mg/l	ND(DL=0.2)	0.2 Max.	1.0 Max.	APHA 5540 C	Yes
10	Barium (as Ba)	mg/l	ND(DL=0.5)	0.7 Max.	No relaxation	APHA 3111 D	Yes
11	Boron (as B)	mg/l	ND(DL=0.5)	0.5 Max.	2.4 Max.	IS 3025(P-57)-2021	Yes
12	Calcium (as Ca)	mg/l	107.0	75 Max.	200 Max.	IS 3025(P-40)-1991	Yes
13	Chloramine (as Cl ₂)	mg/l	ND(DL=0.5)	4.0 Max.	No relaxation	IS 3025(P-26)-2021	Yes
14	Chloride (as Cl)	mg/l	315.0	250 Max.	1000 Max.	IS 3025(P-32)-1988	Yes
15	Copper (as Cu)	mg/l	ND(DL=0.05)	0.05 Max.	1.5 Max.	IS 3025(P-42)-1992	Yes
16	Fluoride (as F)	mg/l	0.48	1 Max.	1.5 Max.	APHA 4500-F D	Yes
17	Residual free chlorine	mg/l	ND(DL=0.1)	0.2 Min. (when Chlorinated)	1.0 Min. (when Chlorinated)	IS 3025(P-26)-2021	-
18	Iron (as Fe)	mg/l	0.34	1.0 Max.	No relaxation	IS 3025(P-53)-2003	Yes
19	Magnesium (as Mg)	mg/l	70.3	30 Max.	100 Max.	IS 3025(P-46)-2023	Yes
20	Manganese (as Mn)	mg/l	ND(DL=0.05)	0.1 Max.	0.3 Max.	APHA 3111 B	Yes
21	Mineral Oil	mg/l	ND(DL=0.5)	1.0 Max.	No relaxation	IS 3025(P-39)-2021	Yes
22	Nitrate (as NO ₃)	mg/l	12.6	45 Max.	No relaxation	IS 3025(P-34)-1988	Yes
23	Phenolic Compound (as C ₆ H ₅ OH)	mg/l	ND(DL=0.001)	0.001 Max.	0.002 Max.	IS 3025(P-43/S-1)-2022	Yes
24	Selenium(as Se)	mg/l	ND(DL=0.01)	0.01 Max.	No relaxation	IS 3025(P-56)-2003	Yes
25	Silver (as Ag)	mg/l	ND(DL=0.1)	0.1 Max.	No relaxation	APHA 3111 B	Yes
26	Sulphate (as SO ₄)	mg/l	160.0	200 Max.	400 Max.	IS 3025(P-24/S-1)-2022	Yes
27	Sulphide (as H ₂ S)	mg/l	ND(DL=0.05)	0.05 Max.	No relaxation	IS 3025(P-29)-2022	Yes
28	Total Alkalinity (as CaCO ₃)	mg/l	508.0	200 Max.	600 Max.	IS 3025(P-23)-2023	Yes
29	Total Hardness (as CaCO ₃)	mg/l	558.0	200 Max.	600 Max.	IS 3025(P-21)-2009	Yes
30	Zinc (as Zn)	mg/l	ND(DL=0.05)	5 Max.	15 Max.	IS 3025(P-49)-1994	Yes

Vinay Dixit
(Microbiologist)

ASHUTOSH SRIVASTAVA
Deputy Technical Manager
Authorised Signatory

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Issued To: M/s Balaji Medical & Diagnostic Research Centre
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Patparganj, New Delhi - 110 092

Report No. AAL WQT-20240125025

Date of Receiving: 25/01/2024
Date of Starting: 25/01/2024
Date of Completion: 01/02/2024
Date of Reporting: 01/02/2024
Sample Quantity: 5 Litre
Sample Packing Condition: Plastic Bottle
Sample Collected By: AAL

Sample Description: One sample described as **Ground Water**, was received.

Sample ID: Bore well No.2 - Near Cooling Tower

TEST RESULT

S. No.	Test parameters	Unit	Results	Requirements As per IS: 10500-2012		Testing Method	Conformity
				Acceptable Limit	Permissible Limit		
31	Cadmium (as Cd)	mg/l	ND(DL=0.002)	0.003 Max.	No relaxation	IS 3025(P-41)-2023	Yes
32	Cyanide (as CN)	mg/l	ND(DL=0.05)	0.05 Max.	No relaxation	APHA 4500 CN-D	Yes
33	Lead (as Pb)	mg/l	ND(DL=0.01)	0.01 Max.	No relaxation	IS 3025(P-47)-1994	Yes
34	Mercury (as Hg)	mg/l	ND(DL=0.001)	0.001 Max.	No relaxation	IS 3025(P-48)-1994	Yes
35	Molybdenum (as Mo)	mg/l	ND(DL=0.05)	0.07 Max.	No relaxation	APHA 3111 D	Yes
36	Nickel (as Ni)	mg/l	ND(DL=0.01)	0.02 Max.	No relaxation	IS 3025(P-54)-2003	Yes
37	Polychlorinated biphenyls (as PCB)	mg/l	ND(DL=0.0005)	0.0005 Max.	No relaxation	APHA 6630	Yes
38	Polynuclear Aromatic Hydrocarbons (as PAH)	mg/l	ND(DL=0.0001)	0.0001 Max.	No relaxation	APHA 6440	Yes
39	Total Arsenic (as As)	mg/l	ND(DL=0.01)	0.01 Max.	No relaxation	IS 3025(P-37)-2022	Yes
40	Total Chromium (as Cr)	mg/l	ND(DL=0.05)	0.05 Max.	No relaxation	IS 3025(P-52)-2003	Yes
41	E.Coli	per 100ml	Absent	Shall not detectable in any 100 ml sample		IS 15185-2016	Yes
42	Total Coliform	per 100ml	Absent	Shall not detectable in any 100 ml sample		IS 15185-2016	Yes
43	Pesticide Residue						
(i)	Alachlor	µg/l	ND(DL=0.01)	20.0		USEPA 525.2	Yes
(ii)	Atrazine	µg/l	ND(DL=0.01)	2.0		USEPA 525.2	Yes
(iii)	Aldrin	µg/l	ND(DL=0.01)	0.03		USEPA 525.2	Yes
(iv)	Alpha HCH	µg/l	ND(DL=0.01)	0.01		USEPA 525.2	Yes
(v)	Beta HCH	µg/l	ND(DL=0.01)	0.04		USEPA 525.2	Yes
(vi)	Butachlor	µg/l	ND(DL=0.01)	125.0		USEPA 525.2	Yes
(vii)	Chlorpyrifos	µg/l	ND(DL=0.01)	30.0		USEPA 525.2	Yes
(viii)	Delta HCH	µg/l	ND(DL=0.01)	0.04		USEPA 525.2	Yes
(ix)	2,4- Dichlorophenoxyacetic Acid*	µg/l	ND(DL=0.01)	30.0		USEPA 515.1	Yes
(x)	DDT	µg/l	ND(DL=0.01)	1.0		USEPA 508	Yes
(xi)	Endosulfan	µg/l	ND(DL=0.01)	0.4		USEPA 525.2	Yes
(xii)	Ethion	µg/l	ND(DL=0.01)	3.0		USEPA 525.2	Yes
(xiii)	Gamma HCH	µg/l	ND(DL=0.01)	2.0		USEPA 525.2	Yes
(xiv)	Isoproturon	µg/l	ND(DL=0.01)	9.0		USEPA 532	Yes
(xv)	Malathion	µg/l	ND(DL=0.01)	190		USEPA 8141A	Yes
(xvi)	Methyl Parathion	µg/l	ND(DL=0.01)	0.3		USEPA 8141A	Yes
(xvii)	Monocrotophos	µg/l	ND(DL=0.01)	1.0		USEPA 8141A	Yes
(xviii)	Phorate	µg/l	ND(DL=0.01)	2.0		USEPA 8141A	Yes

ND=Not Detected, DL=Detection Limit, Note: *Test parameters marked (*) are not covered under NABL Scope.

Remarks: The above tested parameters meet the requirement of IS: 10500:2012 for permissible limit.

****End of Report****

Vinay Dixit

(Microbiologist)

ASHUTOSH SRIVASTAVA
Deputy Technical Manager

Authorised Signatory

Note: 1. This report is valid only for the tested sample and listed test parameters only, endorsement of products is neither inferred nor implied.
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3. This report shall not be reproduced wholly or in part without written consent of the laboratory.
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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.