

Date: 6 / 12 / 2022

To,
The Director
Regional Office (West Central Zone),
Ministry of Environment, Forest and Climate Change,
Ground Floor, East wing,
New Secretariat Building,
Civil lane, Nagpur-440001.

Subject: Half-yearly Compliance Report:
April 2022 to September 2022

Project Change in use of Existing IT Building as Hospital ASHOKA MEDICOVER
HOSPITAL at plot No. 02, S No 113/2, Indiranagar Wadala Road, Wadala,
Nashik

EC No. SEIAA-EC-0000000586 Dated 3 / 01 / 2019

Dear Sir,

We are submitting half-yearly Compliance Report (hard & soft copy) in respect of the of stipulated terms and conditions of 'Prior Environmental Clearance' as specified in 'Environment Clearance' Notification Clause No. 10(ii).

Thanking you,
Yours faithfully,

For Ashoka Institute of Medical Science & Research and
VIVA Infrastructure Ltd.

Mr. Anup S. Katariya



Authorized Signatory

Enclosure: A hard copy of the compliance and monitoring report

CC copy to:

1. Regional officer, Maharashtra Pollution Control Board, Nashik (S.R.O.)
2. Member Secretary, Maharashtra Pollution Control Board, Sion, Mumbai
3. Member Secretary, State Environmental Impact Assessment Authority, Govt. of Maharashtra, Mumbai

**Ashoka Institute of Medical Science & Research and
VIVA Infrastructure Ltd./ Mr Anup S Katariya**

Environmental Clearance Compliance Report

April 2022 to September 2022

Change in the Use of Existing IT Building as Ashoka Medcover Hospital

At Plot no 02, S. No. 113/2, Indiranagar Wadala road, Wadala, Nashik

**(Environmental Clearance Letter No. SEIAA-Minutes
0000000586 Dated 03.01.2019)**



CONSULTANT

Ashwamedh Engineers & Consultants

Survey No.102, Plot No.26, Wadala Pathardi Road, Indira Nagar, Nashik-422009, India
(Near Guru Gobind Singh School, Near Pandav Nagari, Turn at Samrat Sweet Corner)

Website: www.ashwamedh.net Telefax: 91-253-2392225

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COMPLIANCE STATUS OF EC CONDITIONS

Environment Clearance SEIAA-EC-000000586 Dated. 03th Jan, 2019

No	Condition	Compliance	?	P
	<u>SPECIFIC CONDITIONS:</u>			
(i)	PP to submit NOC from Commissioner Industries, Government of Maharashtra and Municipal Commissioner, Nashik Municipal Corporation Nashik for change of use from IT Building to Hospital	Noted. NOC obtained by Nashik Municipal Corporation Nasik dated 11.09.2018 NOC for change of use from IT Building to Hospital from NMC is attached as	√	
(ii)	PP to submit an indemnity bond for project land	PP has submitted an indemnity bond for project land. The same is attached.	√	
(iii)	PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF & CC circular dated 1/05/2018	PP has submitted CER plan to District Collector and acknowledgment has been submitted to Member Secretary, SEIAA.		
(iv)	PP to submit an indemnity bond for change of name.	PP has submitted indemnity bond for change of name. The same is attached.		
(v)	PP to submit CER plan to District Collector and acknowledgment to be submitted to Member Secretary, SEIAA.	PP has submitted CER plan to District Collector and acknowledgment has been submitted to Member Secretary, SEIAA.		
B	General Conditions			
(i)	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules 2016	E-waste is disposed through Authorized vendor as per E-waste (Management and Handling) Rules 2016.		
(ii)	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.	PP agrees with the condition.		
(iii)	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance	The project area falls under residential zone. The Plans are approved by Additional collector, Nashik and does not require any forestry and wild life clearance.		

	granted to the project which will be considered separately on merit			
(iv)	PP has to abide by the conditions stipulated by SEAC & SEIAA.	PP agrees with the condition and will abide by the conditions stipulated by SEAC & SEIAA.		
(v)	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan and before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	Noted. The height, Construction built up area of the proposed construction is as per the approved plan.		
(vi)	If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.	"Consent for Establishment" has been obtained from Maharashtra Pollution Control Board (MPCB) Copy is attached as Annexure.		
(vii)	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Total 05 nos. of toilets are provided at site. These is maintained in clean and operative condition for complete period of construction.		
(viii)	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	PP has provided separate water supply connection & sanitary facilities to the workers. Total 5 no. of toilets are provided for gents & ladies. The waste generated from the labour camps are mostly household waste. This waste is disposed off in municipal bins.		√
(ix)	The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	The waste generated from the labour camp is mostly household waste which is disposed into the municipal bins.		

(x)	Disposal of muck during 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 the approval of competent authority.	Re-utilization & recycling strategy for construction debris has been followed. Recycled aggregate will be sold to the recycler dealer. The construction waste is disposed as per MIDC, Airoli guidelines by paying the royalty. All safety precautions have been taken by the PP. The safety nets, safety equipment's to the workers, barricading to plot boundary, water spraying at source of dust (twice in a day) and noise pollution mitigation measures are taken.		
(Xi)	Arrangement shall be made that waste water and storm water do not get mixed.	The Storm water drains and sewer lines are separately provided on site. This arrangement shall ensure that storm water and sewage will not get mixed.		
(Xii)	All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site	The top soil excavated during construction activities is preserved at site & used for landscape development.		
(Xiii)	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	The excavated soil is used for backfilling and landscape development.		
(XIV)	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	Green Belt Development is be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.		
(XV)	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 contaminants.	Available results for the month of April 2022 to September 2022 are incorporated.		
(XVI)	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the	Such types of wastes are not anticipated in this activity. However, all possible measures will be taken to avoid contamination of water bodies/streams.		

	dumpsites for such material must be secured so that they should not leach into the ground water			
(XVII)	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Will be handed over to Water Grace BMW & Hazardous Waste Management Services		
(XVIII)	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	2X250 kVA of DG set is provided at construction site which is of enclosed type and uses diesel as a fuel. And for operation phase PP has installed 2x2000 kVA DG set.		
(XIX)	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	500 liters of diesel stored at the site.		
(XX)	Vehicles hired for bringing construction material to the site 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.	To reduce air and noise pollution, Vehicles with PUC are only hired for bringing construction material to the site and are checked for PUC at main gate. In addition, that, assured transportation of all vehicles is operated only during day time and in non – peak hours.		
(XXI)	Ambient noise levels should conform to residential standards both during day and night. 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/MPCB.	Available Noise Monitoring results for the month of April 2022 to September 2022 are attached.		
(XXII)	Fly ash should be used as building material in the construction as per the provisions of Fly Ash	For building construction, PP has utilizing fly ash mixed with concrete as well as bricks.	√	

	Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).			
(XXIII)	Ready mixed concrete must be used in building construction.	PP is using Ready mixed concrete for construction activity.		
(XXIV)	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Storm water control and its reuse will be as per CGWB and BIS standards.		
(XXV)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Complying by using pre-mixed concrete, curing agents and other best practices in NBC. The project had rain water harvesting tank to reduce the use of water in the construction site.		
(XXVI)	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Noted. PP is using fresh water from Nashik Municipal Corporation (NMC) & Recycled Water.		
(XXVII)	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 MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	Advanced Tertiary Treatment is installed for the sewage treatment. and a report in this regard will be submitted to the MPCB and Environment department before the project is commissioned for operation. PP has installed STP of 300 KLD Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. The plant is designed as per standards prescribed by MPCB.		
(XXVIII)	Permission to draw ground	No ground water will be utilized.		

	water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.			
(XXIX)	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water	PP use dual plumbing line for separation of grey & black water.		
(XXX)	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.	Low flow Fixtures for showers, toilet flushing and drinking provided.		
(XXXI)	Use of glass may be reduced 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.	To reduce electricity consumption and load on air –conditioning, the project has reduced the use of glass to maximum extent possible. Only high-quality double glasses with special reflective coating were used where it is necessary. To reduce the heat from glass windows, the project is using curtain inside in all air-conditioned rooms.		
(XXXII)	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement	PP has used appropriate thermal insulation material to fulfil the energy conservation building code requirement. Roof is as per the perspective requirement specified in Energy Conservation Building Code		
(XXXIII)	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 like installing solar street lights, common solar water heaters system. Project proponent should install, after	Flat Solar PV Panels (310 Wp x 81 Nos.) will be installed at the Terrace to generate Electricity equivalent to 1% of the Demand Load i.e. 26 kVA/day as per the State level Local Building Bye-Law's Requirement.		

	checking feasibility, solar plus hybrid non-conventional energy source as source of energy			
(XXXIV)	Diesel power generating sets proposed as source of backup 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 Maharashtra Pollution Control Board	2X250 kVA of DG set is provided at construction site which is of enclosed type and uses diesel as a fuel. And for operation phase PP has installed 2x2000 kVA DG set.		
(XXXV)	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations	The barricading is provided at all over the site. The noise levels and ambient air monitoring results are well within the limits. The noise level has been monitored regularly by MoEF&CC recognized laboratory. Noise Monitoring reports for the month of April 2022 to September 2022 are provided. Copy is attached	√	
(XXXVI)	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Entry and exit to the proposed project is located in such a way that it won't affect traffic on the adjoining roads. Also, sufficient parking is provided		
(XXXVII)	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	PP agrees with the condition.		
(XXXVIII)	The building should have adequate distance between them to allow movement of	Enough distance has been provided between the buildings to allow the		

	fresh air and passage of natural light, air and ventilation	circulation of air, natural light and ventilation.		
(XXXIX)	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	Supervisors are trained in Environmental Management measures and they are responsible for onsite Environmental Management Plan.		
(XXL)	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 has been obtained on 01/02/2011 in the name of "V Tech IT Park" from SEIAA, Maharashtra. PP has obtained Environment Clearance from State Level Environment Impact Assessment Authority vide file noSEIAA-EC0000000586 dated 3 th January, 2019. For change in use of existing IT building as Hospital Ashoka Medicover Hospital		
(XLI)	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	PP have submitted the six-monthly monitoring reports to the department of MPCB Regional Officer, MoEF & CC, Bhopal. Monitoring reports for the month of April 2022 to September 2022 is attached.	√	
(XLII)	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	PP will comply with the condition.	√	
(XLIII)	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet	After segregation of waste, biodegradable waste will be composted.		

	garbage will be disposed outside the premises. Local authority should ensure this.			
(XLIV)	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Noted		
(XLV))	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	PP have submitted complete set of all documents to department of MPCB Regional officer, MoEF & CC., and Env. Dept. Mumbai.		
(XLVI)	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department	Noted.		
(XLVII)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	PP has made the provision for environment management cell with qualified staff for the implementation of the stipulated environmental safeguards.	✓	
(XLVIII)	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These costs shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	PP has allotted separate funds for environmental protection measures/EMP and are provided as per planned requirement.		
(XLIX)	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also	Noted		

	be seen at Website at http://ec.maharashtra.gov.in .			
(L)	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.	The half yearly compliance report to MPCB regularly submitted.		
(LI)	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation 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	PP has submitted copy of Environmental Clearance to local authority and MPCB.		
(LII)	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sector 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	PP will comply with the condition.		
(LIII)	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 copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	The PP has submitted half yearly compliance reports to Regional office of MoEF&CC and MPCB. Yes, PP has submitted the previous compliance reports. The copy is provided. As per EC conditions, PP is submitting six monthly compliance reports as well as monitoring report for the period April 2022 to September 2022		

(LIV)	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (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 by e-mail	Six monthly reports regarding the status of compliance of EC conditions are regularly sent to all mandated authorities. PP have submitted environmental statement for each financial year ending 31 st March in Form-V to the concerned State Pollution Control Board.		
(LV)	This EC is granted for FSI area 30633.26 m ² , Non FSI area 22092.93 m ² & Total BUA: 52726.19 m ² .	Noted		

CONDITIONS OF CONSENT TO OPERATE

3. The Consent is valid for the Activity of

Sr. No	Activity	Quantity	UOM
1	Hospital		
a)	Beds	225	Nos
b)	Total Plot Area	30633.00	Sq. Mtrs
c)	Total Built up Area	18832.00	Sq. Mtrs

No	Condition	Compliance	?	P																		
4.	Conditions under Water (P & CP), 1974 Act for discharge of effluent																					
	<table border="1"> <thead> <tr> <th>Sr. No</th> <th>Description</th> <th>Permitted quantity of discharge (CMD)</th> <th>Standards to be achieved</th> <th>Disposal</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Trade Effluent</td> <td>12</td> <td>As per Schedule - I</td> <td>Treated effluent recycle maximum and remaining used on land for gardening/sewerage system of local body.</td> </tr> <tr> <td>2</td> <td>Domestic effluent</td> <td>120</td> <td>As per Schedule-I</td> <td>As above</td> </tr> </tbody> </table>	Sr. No	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal	1	Trade Effluent	12	As per Schedule - I	Treated effluent recycle maximum and remaining used on land for gardening/sewerage system of local body.	2	Domestic effluent	120	As per Schedule-I	As above	60% of the Treated domestic effluent will be reused for flushing & the remnant is discharged in municipal sewer.					
Sr. No	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal																		
1	Trade Effluent	12	As per Schedule - I	Treated effluent recycle maximum and remaining used on land for gardening/sewerage system of local body.																		
2	Domestic effluent	120	As per Schedule-I	As above																		
5.	Conditions under Air (P & CP) Act, 1981 for air emissions:																					
	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description of Stack/source</th> <th>Number of Stack</th> <th>Standards to be achieved</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>D.G. Set -4000 KVA</td> <td>1</td> <td>As per schedule-II</td> </tr> </tbody> </table>	Sr. No.	Description of Stack/source	Number of Stack	Standards to be achieved	1	D.G. Set -4000 KVA	1	As per schedule-II	1 x 250 kVA of DG set is provided at construction site which is of enclosed type and uses diesel as a fuel. And for operation phase 2 x 2000 kVA of DG set have been installed												
Sr. No.	Description of Stack/source	Number of Stack	Standards to be achieved																			
1	D.G. Set -4000 KVA	1	As per schedule-II																			
6.	Conditions under Hazardous and other Wastes (M & TM) Rules, 2008 for treatment and disposal of hazardous waste.																					
	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Type of Waste</th> <th>HW Category</th> <th>Quantity</th> <th>UOM</th> <th>Treatment</th> <th>Disposal</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>0</td> <td>0</td> <td>NA</td> <td>NA</td> <td>-----</td> </tr> </tbody> </table>	Sr. No.	Type of Waste	HW Category	Quantity	UOM	Treatment	Disposal	1		0	0	NA	NA	-----	Hazardous (ETP Sludge)- 1.6 kg/Day will be handed over to Water Grace BMW & Hazardous Waste Management Services.						
Sr. No.	Type of Waste	HW Category	Quantity	UOM	Treatment	Disposal																
1		0	0	NA	NA	-----																
7.	Conditions about Non hazardous Wastes:																					
	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Type of Waste</th> <th>Quantity</th> <th>UOM</th> <th>Treatment</th> <th>Disposal</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Wet Waste</td> <td>35</td> <td>Kg/Day</td> <td>Composting</td> <td>Used as a manure</td> </tr> <tr> <td>2</td> <td>Dry Waste</td> <td>15</td> <td>Kg/Day</td> <td>Recycle/Composting</td> <td>Sale to authorized</td> </tr> </tbody> </table>	Sr. No.	Type of Waste	Quantity	UOM	Treatment	Disposal	1	Wet Waste	35	Kg/Day	Composting	Used as a manure	2	Dry Waste	15	Kg/Day	Recycle/Composting	Sale to authorized	1.Wet waste will be used for Composting 2.Dry waste will be handed over to Authorized Recycler.		
Sr. No.	Type of Waste	Quantity	UOM	Treatment	Disposal																	
1	Wet Waste	35	Kg/Day	Composting	Used as a manure																	
2	Dry Waste	15	Kg/Day	Recycle/Composting	Sale to authorized																	

						party/manure		3.STP sludge will be used as a manure.	
	3	STP sludge	10	Kg/Day	Compostion	Used as a manure			
8.	Treatment and Disposal of Biomedical Waste generated to CBMWTSDF:							PP will segregate the waste as per coding and disposal is done by color CBMWTSDF.	
	Sr. No.	Category	Type of waste	Quantity not to exceed (Kg/M)	Segregation Color coding	Treatment and Disposal			
	1	Yellow	a) Human Anatomical waste	150.00	Yellow colored non-chlorinated plastic bags	CBMW TSDF			
			b) Soiled Waste	190.00					
			c) Expired or Discarded Medicines	10.00					
			d) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	90.00					
			e) Microbiology Biotechnology and other clinical laboratory waste.	90.00					
	2	Red	Contaminated waste (Recyclable)	140.00	Red colored non chlorinated plastic bags or containers	CBMW TSDF			
	3	White (Translucent)	Waste sharps including Metals	40.00	Puncture proof, Leak proof, tamper proof container	CBMW TSDF			
9	PP shall comply the following guidelines published by the CPCB on February-2019 regarding handling of BMW for utilization.							PP agrees with the condition.	
	1. HCE shall preferably handover Bio-medical wastes such as pleural fluid, ascetic fluid, HBsAG positive blood, placenta etc. to the pharmaceutical industry/ Biotechnology firms for production of drugs, reagent chemicals, markets etc. if any such pharmaceutical							PP agrees with the condition.	

	industry/ Biotechnology firm approaches them for the same. If there are any difficulties in the matter, the same may be communicated to such firm and copied to the board also.			
	1. HCE shall strictly follow the procedure for packaging and transportation of Biomedical Wastes such as pleural fluid, ascetic fluid, HBsAG positive blood, placenta etc. to the Pharmaceutical industry/Biotechnology firms as per the guidelines of CPCB published in Feb-2019 for "Handling of BMW for utilization.	PP agrees with the condition.		
	2. HCEs shall submit the report to the Board office about type, quantity and frequency of handling over such BMW on yearly basis.	PP agrees with the condition.		
	3. Industry to enter into legal agreement with HCE's and inform the MPC Board and competent authority of State Public Health Department about such collection of BMW along with quantity and type of waste collected.	PP agrees with the condition.		
	4. In case of any technical difficulty towards handing over the required BMW, you shall inform to the Board accordingly.	Noted		
	5. HCEs shall properly dispose and handover the waste to authorized user/facilities having valid consent to operate from MPCB.	PP agrees with the condition.		
10.	This consent is issued subject to conditions mentioned below:			
a.	The "authorized Person" shall comply with provisions of the Environment (Protection) Act,1986, and the Rules made there under.	PP agrees with the condition.		
b.	Any unauthorized change in equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this Authorization.	Noted.		
c.	You should submit details of Management and Handling of outdated, discarded, unused Cytotoxic drugs generated in the Cancer centers, research and health care in the format prescribed by CPCB which is available on www.cpcb.nic.in along with Annual Report to MPCB with a copy to CPCB before 31 st January every year.	PP agrees with the condition.		
d.	You shall manage the Mercury Waste in the HCE in environmentally sound manner (including storage, spilled collection, transportation and disposal) as per CPCB guidelines published on CPCB website www.cpcb.nic.in dated: 07.09.2010 as detailed in document entitled "Environmentally Sound Management of Mercury Waste in Health care Facilities" ?.	PP agrees with the condition.		
e.	You shall ensure phase out of chlorinated plastic bags, gloves and blood bags by HCEs within two years.	PP agrees with the condition.		
f.	You shall establish Bar code system within one year.	PP agrees with the condition.		
g.	You shall ensure that the liquid waste is treated and disposed by all the occupier or operator of a CBWTF in accordance with the Water Act,1974.	PP agrees with the condition.		

h.	You shall maintain day to day basis and display the monthly record including Annual report on its website within two years from the date of Notification.	Noted.		
i.	You shall submit separate Bank Guarantees towards compliance of condition mentioned at Annexure-IV to Regional Office, within 30 days.	PP agrees with the same condition.		
j.	You shall submit compliance of Bank Guarantee conditions every six months to Regional Officer, for verification purpose.	PP agrees with the same condition.		
k.	You shall submit application for renewal of Combined Consent and Biomedical Waste authorization before 120 days along with appropriate fees.	PP agrees with the same condition.		
11.	This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.	PP agrees with the same condition.		
12.	This consent should not be constructed as exemption from obtained necessary NOC/permission from any other Government agencies.	PP agrees with the same condition.		

CONSENT SCHEDULE I
TERMS & CONDITIONS FOR COMPLIANCE OF WATER POLLUTION CONTROL

No.	Condition	Compliance	?	P																		
	<u>Schedule-I</u>																					
	<u>Terms & conditions for compliance of Water Pollution Control:</u>																					
1)	A] As per your application, you have provided Effluent Treatment (ETP) of designed capacity of 12.00 CMD consisting of Primary (Collection tank, Neutralization tank).	PP will install ETP having total capacity of 10 KLD Upto Advanced Tertiary Treatment for the treatment of effluent water. PP will install STP having total capacity of 300 KLD Upto Tertiary Treatment for the treatment of effluent water.																				
	B] The Applicant shall operate the effluent treatment system (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.	Yes, PP will be using advanced tertiary treatment for effluent treatment. PP will achieve the standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent. Monthly monitoring has been done from MoEF&CC recognized laboratory.																				
	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>1.Compulsory Parameters</th> <th>Limiting concentration in mg/l, except for pH</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>pH</td> <td>5.5 to 8.5</td> </tr> <tr> <td>2</td> <td>Oil & Grease</td> <td>10 mg/l</td> </tr> <tr> <td>3</td> <td>BOD (3 days 27°C)</td> <td>30 mg/l</td> </tr> <tr> <td>4</td> <td>Total Suspended Solids</td> <td>100 mg/l</td> </tr> <tr> <td>5</td> <td>COD</td> <td>250 mg/l</td> </tr> </tbody> </table>	Sr. No.	1.Compulsory Parameters	Limiting concentration in mg/l, except for pH	1	pH	5.5 to 8.5	2	Oil & Grease	10 mg/l	3	BOD (3 days 27°C)	30 mg/l	4	Total Suspended Solids	100 mg/l	5	COD	250 mg/l			
Sr. No.	1.Compulsory Parameters	Limiting concentration in mg/l, except for pH																				
1	pH	5.5 to 8.5																				
2	Oil & Grease	10 mg/l																				
3	BOD (3 days 27°C)	30 mg/l																				
4	Total Suspended Solids	100 mg/l																				
5	COD	250 mg/l																				
	C] The treated effluent from ETP, further treated into STP and then treated effluent shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise and remaining shall be disposed in sewerage system provided by local body. In no case, effluent shall find its way outside hospital premises.	PP will treat total 120 KLD of sewage water in STP of capacity 300 KLD. Recycled water is utilized for secondary purposes to the maximum extent and remaining shall be discharged on open land for gardening within premise and remaining shall be disposed in sewerage system provided by local body. gardening																				
2)	A] As per your application, you have provided Sewage Treatment Plant of designed capacity 300CMD for the treatment of 120 CMD of sewage.	PP has installed STP of designed capacity 300 KLD for the treatment of 120 KLD.																				

	<p>B] the Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.</p> <table border="1"> <tr> <td>1</td> <td>BOD (3 days 27°C)</td> <td>Not to exceed</td> <td>30 mg/l</td> </tr> <tr> <td>2</td> <td>COD</td> <td>Not to exceed</td> <td>100 mg/l</td> </tr> <tr> <td>3</td> <td>Total Suspended Solids</td> <td>Not to exceed</td> <td>50 mg/l</td> </tr> </table>	1	BOD (3 days 27°C)	Not to exceed	30 mg/l	2	COD	Not to exceed	100 mg/l	3	Total Suspended Solids	Not to exceed	50 mg/l	<p>Yes, PP will be using tertiary treatment for the sewage treatment.</p> <p>PP will achieve the standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.</p>								
1	BOD (3 days 27°C)	Not to exceed	30 mg/l																			
2	COD	Not to exceed	100 mg/l																			
3	Total Suspended Solids	Not to exceed	50 mg/l																			
	<p>C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be disposed in sewerage system provided by local body. In no case, sewage shall find its way outside hospital premises.</p>	<p>PP will treat total 165 KLD of sewage water in STP of capacity 300 KLD. Recycled water is utilized for secondary purposes to the maximum extent and remaining shall be disposed in sewerage system provided by local body.</p>																				
3.	<p>The Board reserves its rights to review plans, specification or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Application shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto</p>	<p>PP agrees with the condition.</p>																				
4.	<p>The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.</p>	<p>PP agrees with the condition.</p>																				
5.	<p>The Applicant shall comply with the provisions of the Water (Prevention & Control Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act;</p> <table border="1"> <thead> <tr> <th>Sr . No.</th> <th>Purpose for water consumed</th> <th>Water consumption quantity (CMD)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Industrial Cooling, spraying in mine pits or boiler feed</td> <td>0.00</td> </tr> <tr> <td>2.</td> <td>Domestic purpose</td> <td>150.00</td> </tr> <tr> <td>3.</td> <td>Processing whereby water gets polluted & pollutants are easily biodegradable</td> <td>12.00</td> </tr> <tr> <td>4</td> <td>Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic</td> <td>0</td> </tr> <tr> <td>5.</td> <td>Gardening</td> <td>0.00</td> </tr> </tbody> </table>	Sr . No.	Purpose for water consumed	Water consumption quantity (CMD)	1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00	2.	Domestic purpose	150.00	3.	Processing whereby water gets polluted & pollutants are easily biodegradable	12.00	4	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0	5.	Gardening	0.00	<p>PP agrees with the condition.</p>		
Sr . No.	Purpose for water consumed	Water consumption quantity (CMD)																				
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00																				
2.	Domestic purpose	150.00																				
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	12.00																				
4	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0																				
5.	Gardening	0.00																				

6)	The Applicant shall provide Specific Water Pollution Control system as per the conditions of EP Act 1986 and rule made there under from time to time. /Environmental Clearance/CREP guidelines.	PP agrees with the condition.		
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CONSENT SCHEDULE-II**TERMS & CONDITIONS FOR COMPLIANCE OF AIR POLLUTION CONTROL:**

No	Condition	Compliance	?	P																
	Schedule-II Terms & conditions for compliance of Air Pollution Control:																			
1.	<p>As per your application, you have provided the Air pollutions control (APC) system and erected following stack(s) and to observe the following fuel pattern –</p> <table border="1"> <thead> <tr> <th>Sr . No.</th> <th>Stack Attached to</th> <th>APC system</th> <th>Height in Mtrs</th> <th>Type of Fuel</th> <th>Quantity and UOM</th> <th>S %</th> <th>SO₂</th> </tr> </thead> <tbody> <tr> <td>S-1</td> <td>DG sets [4000 KVA]</td> <td>Acoustic Enclosure and stack</td> <td>4.5</td> <td>HSD</td> <td>16kg/Hr</td> <td>1.00</td> <td>7.68</td> </tr> </tbody> </table>	Sr . No.	Stack Attached to	APC system	Height in Mtrs	Type of Fuel	Quantity and UOM	S %	SO ₂	S-1	DG sets [4000 KVA]	Acoustic Enclosure and stack	4.5	HSD	16kg/Hr	1.00	7.68	<p>PP has provided 1 DG set of capacity 250 kVA for construction phase with Acoustic enclosure to the DG set. And for operation phase we will install 2 DG set of capacity 2000 kVA Capacity each.</p>		
Sr . No.	Stack Attached to	APC system	Height in Mtrs	Type of Fuel	Quantity and UOM	S %	SO ₂													
S-1	DG sets [4000 KVA]	Acoustic Enclosure and stack	4.5	HSD	16kg/Hr	1.00	7.68													
2.	<p>The applicant shall provide stack height of mtrs operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards.</p> <table border="1"> <tr> <td>Particulate Matter</td> <td>Not to exceed</td> <td>150 mg/Nm³</td> </tr> </table>	Particulate Matter	Not to exceed	150 mg/Nm ³	PP agrees with the condition.															
Particulate Matter	Not to exceed	150 mg/Nm ³																		
3.	The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement alteration well before its life come to end or erection of new pollution control equipment	PP agrees with the condition.																		
4.	The Board reserves its rights to vary all or any of the conditions in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary)	PP agrees with the condition.																		
5	Conditions for D.G. Set																			
a)	Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.	PP agrees with the condition.																		
b)	Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/acoustic treatment of the room should be designed for minimum 25dB(A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss 25 db(A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.	PP agrees with the condition.																		
c)	Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.	PP agrees with the condition.																		
d)	Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.	PP agrees with the condition.																		

e)	A proper routine and preventive maintenance procedure for Dg set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.	PP agrees with the condition.		
f)	D.G. Set shall be operated only in case of power failure.	PP agrees with the condition.		
g)	The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.	PP agrees with the condition.		
h)	The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.	PP agrees with the condition.		

CONSENT SCHEDULE-III
DETAILS OF BANK GUARANTEES

No.	Condition	Compliance	?	P														
	Schedule-III Details of Bank Guarantees <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sr. No.</th> <th>Consent (C2E /C20 /C2R)</th> <th>Amt of BG Imposed</th> <th>Submission period*</th> <th>Purpose of BG#</th> <th>Compliance Period</th> <th>Validity Date</th> </tr> </thead> <tbody> <tr> <td colspan="7" style="text-align: center;">NA</td> </tr> </tbody> </table>	Sr. No.	Consent (C2E /C20 /C2R)	Amt of BG Imposed	Submission period*	Purpose of BG#	Compliance Period	Validity Date	NA							PP will comply with the condition	√	
Sr. No.	Consent (C2E /C20 /C2R)	Amt of BG Imposed	Submission period*	Purpose of BG#	Compliance Period	Validity Date												
NA																		
**	The above Bank Guarantee (s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent																	
++	Existing BG obtained for above purpose if any may be extended for period of validity as above.																	

Statement of conditions to be complied and Bank Guarantee imposed to ensure timely compliance to be observed by:

Sr. No	Activity/Condition to be complied	Compliance Timeline (Months)	Bank Guarantee Amount
1A	Operation and Maintenance		
1	To Segregate and Handle BMW as per Rule	Continuous	50,000
2	Towards Operation and Maintenance of STP/ETP to achieve prescribed discharge standards	Continuous	50,000
1B	Records		
1	To Maintain records of BMW and submission of Annual Report in Form-II before 31 st January.	Continuous	25,000
2	To maintain records of BMW material delivered to CBMWTSDF	Continuous	25,000
2	Performance		
1	To provide BMW separate storage facility as per guidelines of CPCB	Continuous	25,000

BG FORFEITURE HISTORY

Sr. No.	Consent (C2E/C20/C2R)	Amt of BG Imposed	Submission period**	Purpose of BG#	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Sr. No.	Consent (C2E/C20/C2R)	BG Imposed	Purpose of BG#	Amount of BG Returned
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NA

CONSENT SCHEDULE-IV**GENERAL CONDITIONS:**

No	Condition	Compliance	?	P
	<u>The following general conditions shall apply as per the type of the industry:</u>			
	<u>General Conditions:</u>			
1)	You shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.	PP will comply with the condition.		
2)	You should monitor effluent quality, stack emissions, noise and ambient air quality quarterly.	Not applicable		
3)	You shall provide ports in the chimney(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney (s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/displayed to facilitate identification.	PP will comply with the condition.		
4)	Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipment's, the production process connected to it shall be stopped.	PP will comply with the condition.		
5)	You shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop reduce or otherwise, control production to abide by terms and conditions of this consent.	PP will comply with the condition.		
6)	You shall submit, the Environmental Statement Report for the financial year ending 31 st March in the prescribed Form-V as per the provisions of rule 14 of the 30 th day of September every year.	PP had submitted Environmental Statement Report (Form V) every year regularly. Form V is attached.		
7)	You shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW (MH&TM) Rules 2008, which can be used for landfilling and cannot be	PP will comply with the condition.		

	recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.			
8.	You shall comply with the Hazardous Waste (M, H & TM) Rules, 2008 and submit the Annual Returns To RO-as per Rule 5(6) and 22 (2) of Hazardous Waste (M, H and TM) Rules, 2008 for the preceding year April to March in Form-IV by 30 th June of every year.	PP will comply with the condition.		
9.	An inspection book shall be opened and made available to the Board's officers during their visit to the HCE.	PP will comply with the condition.		
10.	You shall strictly comply with the Water (P&CP) Act,1974, Air (P&CP) Act,1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).	PP will comply with the condition.		
11.	You shall constitute an Environmental cell with qualified staff/personnel/agency to see the day-to-day compliance of consent & authorization condition towards Environment Protection.	PP will comply with the condition.		
12.	Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.	PP will comply with the condition.		
13.	Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the HCE.	PP will comply with the condition.		
14	You shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.	PP will comply with the condition.		
15	You should not cause any nuisance in surrounding area.	Noted.		
16	You shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB(A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m and 10 p.m and night time is reckoned between 10 p.m and 6 a.m.	PP will comply with the condition.		
17	You shall maintain good housekeeping.	PP will comply with the condition.		
18	You shall bring minimum 33% of the available open land under green coverage/plantation. The applicant shall submit a yearly statement	PP will comply with the condition.		

	to Regional Office by 30th September every year on available open plot area, number of trees surviving as on 31 st March of the year and number of trees planted by September end.			
19	The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.	PP will comply with the condition.		
20	You shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipment provided for without previous written permission of the Board. You will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.	PP will comply with the condition.		
21	You shall submit Six Monthly statement in respect of obligation towards consent and pollution control compliances duly supported with documentary evidences (format can be downloaded from MPCB official site).	PP will comply with the condition.		
22	You shall submit official e-mail address and any change will be duly informed to the MPCB, forthwith.	PP will comply with the condition.		
23	You shall submit official e-mail address and any change will be duly informed to the MPCB, forthwith.	PP will comply with the condition.		
24	You shall observe provisions of E-waste (Management and Handling) Rules 2011 and Battery Waste (Management and handling) Rules 2001, as amended.	PP agrees with conditions.		

ANNEXURE I

PREVIOUS COMPLIANCE REPORT ACKNOWLEDGEMENT COPY

1st June, 2022

To,
Regional Office (West Central Zone),
Ministry of Environmental, Forest and Climate Change,
Ground Floor, East Wing,
New Secretariat Building,
Civil lane, Nagpur 440 001.

Subject : Half –yearly Compliance Report : October 2021 To March 2022

Project : Change in use of existing IT building as Hospital Ashoka Medicover Hospital at Plot No 02.
S.no 113/2, Indiranagar Wadala Road, Wadala, Nashik

EC No : SEIAA-EC-0000000586 Dated 3rd January 2019

Dear Sir,

We are submitting half-yearly Compliance Report (Hard & Soft Copy) in respect of the stipulated term & condition of 'Prior Environmental Clearance' as specified in 'Environment Clearance' Notification Clause No. 10(ii).

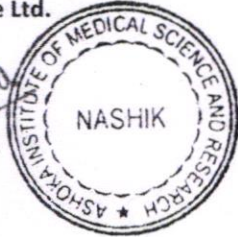
Thanking you,

Yours faithfully,

For Ashoka Institute of Medical Science & Research
and Viva Infrastructure Ltd.

Mr. Anup S. Katariya

Authorized Signatory



Enclosure :

A hard copy of the compliance and monitoring report

CC copy to :

1. Regional officer, Maharashtra Pollution Control Board, Nashik (SRO)

2. Regional officer, Maharashtra Pollution Control Board, Nashik (SRO)

3. Member Secretary, State Environmental Impact Assessment Authority, Govt. of Maharashtra,
Mumbai

27/6-22
आवक लिपिक (नं. शा.)
पंचावध व यातायात विभाग
मंत्रालय, मुंबई ४०० ०२२

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27/06/22

ANNEXURE II

SITE PHOTOGRAPHS

Project site



Garden area



External & Internal Road



Parking facility



STP





Cooking material



Labour Camp



Drinking water facility



Labour Toilet for ladies & Gents



Solid waste collection facility at site



DG set



Safety equipment





First Aid Box



ANNEXURE III

ENVIRONMENT CLEARANCE LETTER
(AS PER EC CONSTRUCTION PHASE CONDITION: XXXV)



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: January 3, 2019

To,
M/s. Ashoka Institute of Medical Sciences & Research and VIVA Infrastructure Ltd. / Mr. Anup S. Katariya
at Plot No.02, S.No 113/2, Indiranagar Wadala Road, Wadala, Nashik - 422009, Maharashtra.

Subject: Environment Clearance for Change in the Use of Existing IT Building as Hospital ASHOKA MEDICOVER HOSPITAL at Plot No.02, S.No 113/2, Indiranagar Wadala Road, Wadala, Nashik - 422009, Maharashtra.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-III, Maharashtra in its 67th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 148th meetings.


2. It is noted that the proposal is considered by SEAC-III under screening category 8(a) as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1.Name of Project	Change in the Use of Existing IT Building as Hospital ASHOKA MEDICOVER HOSPITAL at Plot No.02, S.No 113/2, Indiranagar Wadala Road, Wadala, Nashik - 422009, Maharashtra.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Ashoka Institute of Medical Sciences & Research and VIVA Infrastructure Ltd. / Mr. Anup S. Katariya
4.Name of Consultant	MANTRAS GREEN RESOURCES LIMITED.
5.Type of project	Housing Project - Hospital Project
6.New project/expansion in existing project/modernization/diversification in existing project	Diversification in Existing Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. Environmental Clearance has been obtained on 01/02/2011 in the name of "V Tech IT Park" from SEIAA, Maharashtra.
8.Location of the project	Plot No.02, S.No 113/2, Indiranagar Wadala Road, Wadala, Nashik - 422009, Maharashtra.
9.Taluka	Nashik
10.Village	Wadala
Correspondence Name:	Mr. Anup S. Katariya
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Plot No.02, S.No 113/2, Indiranagar Wadala Road, Wadala, Nashik - 422009, Maharashtra.
City:	Nashik
11.Whether in Corporation / Municipal / other area	Nashik Municipal Corporation.

SEIAA Meeting No: 148 Meeting Date: December 31, 2018 (
SEIAA-STATEMENT-0000001114)
SEIAA-MINUTES-0000000826
SEIAA-EC-0000000586

Page 1 of 16


Shri. Anil Diggikar (Member Secretary
SEIAA)

12.IOD/IOA/Concession/Plan Approval Number	Approved Layout has been obtained from Town Planning Department, Nashik Municipal Corporation on 10/11/2015 Vide Letter No.A4/11.
	IOD/IOA/Concession/Plan Approval Number: Letter No.A4/11.
	Approved Built-up Area: 30633.26
13.Note on the initiated work (If applicable)	The work initiated includes Block A & C in Plot No. 2 with FSI = 24607.39 + Non FSI = 5642.25 = 30249.64 Sq. M.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Sanction plan has been issued by Nashik Municipal Corporation, Nashik
15.Total Plot Area (sq. m.)	14089 Sq. M.
16.Deductions	NA
17.Net Plot area	14089 Sq. M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 30633.26
	Non FSI area (sq. m.): 22092.93
	Total BUA area (sq. m.): 52726.19
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 30633.26
	Approved Non FSI area (sq. m.):
	Date of Approval: 07-04-2018
19.Total ground coverage (m2)	7381.38
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	52
21.Estimated cost of the project	1400000000

Government of Maharashtra

22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	NA	NA	NA	NA

23. Total Water Requirement

Dry season:	Source of water	Fresh Water from Nashik Municipal Corporation (NMC) & Recycled Water
	Fresh water (CMD):	198
	Recycled water - Flushing (CMD):	53 Fresh
	Recycled water - Gardening (CMD):	6
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	353
	Fire fighting - Underground water tank(CMD):	100 KLD
	Fire fighting - Overhead water tank(CMD):	10 KLD
	Excess treated water	0
Wet season:	Source of water	Fresh Water from Nashik Municipal Corporation (NMC) & Recycled Water
	Fresh water (CMD):	184
	Recycled water - Flushing (CMD):	53 Fresh
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	333
	Fire fighting - Underground water tank(CMD):	100 KLD
	Fire fighting - Overhead water tank(CMD):	10 KLD
	Excess treated water	6
Details of Swimming pool (If any)	NA	

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	179	179	0	14	14	0	165	165
Cooling tower & thermopack	0	149	149	0	146	146	0	3	3
Gardening	0	20	20	0	20	20	0	0	0
Fresh water requirement	0	198	198	0	28	28	0	170	170

25.Rain Water Harvesting (RWH)	Level of the Ground water table:	Ground Water Level has been observed between 2.1 m and 2.45 meter below ground level (mbgl).
	Size and no of RWH tank(s) and Quantity:	4 Nos. of RWH Tanks will be provided. Capacity of each RWH Tank will be 6.0 KLD. RWH Tanks will be provided near RWH Pits.
	Location of the RWH tank(s):	R.G. Area.
	Quantity of recharge pits:	There will be provision of Four (04) Recharge Bores at the R.G Area for the Recharge of shallow Aquifers.
	Size of recharge pits :	5 M x 5 M x 2 M
	Budgetary allocation (Capital cost) :	2000000
	Budgetary allocation (O & M cost) :	50000
	Details of UGT tanks if any :	4 Nos. of RWH Tanks will be provided. Capacity of each RWH Tank will be 6.0 KLD. 1 No. Fire Fighting (Underground water tank) of 100 KLD Capacity.

26.Storm water drainage	Natural water drainage pattern:	The Project is located within Nashik Municipal Corporation Area where all the facilities are available.
	Quantity of storm water:	207 cum / hr.
	Size of SWD:	1.5 mt X 1.5 mt

27.Sewage and Waste water	Sewage generation in KLD:	165
	STP technology:	Advanced Tertiary Treatment
	Capacity of STP (CMD):	1 No. of STP. Capacity will be 200 KLD.
	Location & area of the STP:	On the Open Land within premises.
	Budgetary allocation (Capital cost):	7200000
	Budgetary allocation (O & M cost):	150000



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28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction Phase: 1. Empty cement bags 2. Steel 3. Sand 4. Packaging Material 5. Aggregates.
	Disposal of the construction waste debris:	1. Empty cement bags- Will be sold to recyclers. 2. Steel - Steel cut pieces shall be used as spacers and chairs in the structure and wastage of steel (balance non usable steel of odd lengths) will be sent for recycling. 3. Sand - Wastage of sand will be used for bedding for flooring purpose. They shall also be used for back filling and filler material for levelling of internal roads and pavements. 4. Packaging Material - Will be sent for recycling. 5. Aggregates - Will be used in road,
Waste generation in the operation Phase:	Dry waste:	Non-biodegradable - 253 Kg / day
	Wet waste:	Biodegradable - 122 Kg / day
	Hazardous waste:	ETP Sludge - 1.6 kg / Day
	Biomedical waste (If applicable):	Biomedical - 111 kg / day
	STP Sludge (Dry sludge):	STP Sludge - 34 kg/day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Non-biodegradable - Will be handed over to Authorized Recycler.
	Wet waste:	Biodegradable - Will be used for Composting.
	Hazardous waste:	ETP Sludge - Will be handed over to Water Grace BMW & Hazardous Waste Management Services.
	Biomedical waste (If applicable):	Biomedical - Will be handed over to Authorized Recycler for incineration.
	STP Sludge (Dry sludge):	STP Sludge - Dry sludge shall be used as manure.
	Others if any:	NA
Area requirement:	Location(s):	Near STP
	Area for the storage of waste & other material:	30 Sq. M.
	Area for machinery:	25 Sq. M.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	00
	O & M cost:	1000000

29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	6.0 - 8.0	6.5 - 8.5	5.5 -9
2	BOD	Mg/l	300	< 10	Less than 100
3	COD	Mg/l	600	< 100	Less than 250
4	TSS	Mg/l	300	= 10	Less than 100
5	Oil & Grease	Mg/l	15	= 5	Less than 10
Amount of effluent generation (CMD):		8 KLD			
Capacity of the ETP:		10 KLD			
Amount of treated effluent recycled :		7 KLD			
Amount of water send to the CETP:		00			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		Advanced Tertiary Treatment.			
Disposal of the ETP sludge		Not applicable			

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Maharashtra

30.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	34.3	NA	NA	1.6 kg / Day	1.6 kg / Day	Will be handed over to Water Grace BMW & Hazardous Waste Management Services.
31.Stacks emission Details							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	2 Nos. of D.G Sets of 1500 kVA Capacity each	HSD	2	8.85	0.2	40 (oC)	
32.Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	HSD	NA	3282 Ltr./M	3282 Ltr./M			
33.Source of Fuel		Local Source					
34.Mode of Transportation of fuel to site		Fuel will be transported to site by Sealed Ms Drums through Closed Containers.					
35.Energy							
Power requirement:	Source of power supply :	MSEDCL					
	During Construction Phase: (Demand Load)	60 KW					
	DG set as Power back-up during construction phase	1 D.G Set of 250 kVA					
	During Operation phase (Connected load):	Connected Load - 3900 KW					
	During Operation phase (Demand load):	Maximum Demand - 2600 kVA					
	Transformer:	2000 kVA x 2					
	DG set as Power back-up during operation phase:	2 Nos. of D.G Sets of 1500 kVA Capacity each.					
	Fuel used:	HSD - 3282 Ltr./M					
	Details of high tension line passing through the plot if any:	NA					
Energy saving by non-conventional method:							

26 kVA / day Power Generation by Solar PV Panels:

Flat Solar PV Panels (310 Wp x 81 Nos.) will be installed at the Terrace to generate Electricity equivalent to 1% of the Demand Load i.e 26 kVA / day as per the State Level / Local Building Bye-Law's Requirement.

2500 LPD Water Heating by Solar Water Heating System:

Total Hot Water Requirement for this Hospital Project is 12 KLD. Solar Water Heating will be provided to meet 20% of this Hot Water Demand i.e 2.4 KLD Hot Water will be provided by Solar Water Heating System as per the State Level / Local Building Bye-Law's Requirement. 1250 LPD x 2 = 2500 LPD Sunglow Close Loop (Pressure) Solar System (FPC) will be installed at the Terrace Area. 10 Nos. of Solar PV Panels will be required for 1250 LPD Hot water. Panel Size will be 1910 x 1106 x 95 mm. Glass will be 1875 x 1072 mm, toughened, 4 mm thick. Absorber will be 0.2 mm thick copper sheet, selectively coated. Header will be 1" Diameter 22 SWG Copper Tube. Riser will be 1/2" Diameter 24 SWG Copper Tube. Number of Riser will be 9. Bottom Sheet will be 0.7 mm thick. Insulation will be of Mineral Wool 50 mm (bottom) and 25 mm (side) thick. Absorber to Riser will be of Ultrasonic Welding. Supporting stands are designed of thick M.S. "L" shaped sections. M.S jacketed tank with high temperature and corrosion resistant EPOXY coating will be provided and the tank will be PUF insulated which is suitable for 6 bar water pressure. In case of Piping System 1" G.I with 90 mm PUF Pipe Insulation (standard - 22 mtr.) will be provide between solar tanks and panels.

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels & Solar Water Heating System	1% of the Demand Load i.e 26 kVA / day & 20% of Hot Water Demand i.e 2.4 KLD Hot Water will be provided by Solar Water Heating System.

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water	NA	Mobile STP will be provided during construction activity. Operational Phase: STP - Capacity - 200 KLD - Upto Tertiary Treatment. ETP - Capacity - 10 KLD - Upto Advanced Tertiary Treatment
Solid Waste	NA	Biodegradable - 122 Kg / day - will be used for Composting. STP Sludge - 34 kg/day - Dry sludge shall be used as manure. Non-biodegradable - 253 Kg / day - will be handed over to Authorized Recycler. Biomedical - 111 kg / day - will be handed over to Authorized Recycler for incineration. Hazardous (ETP Sludge) - 1.6 kg / Day - will be handed over to Water Grace BMW & Hazardous Waste Management Services.
Noise	NA	There will be noise generation during constructional phase due to the use of machineries Mitigation measures: • Noisy work shall be carried out during daytime only • Vehicles deployed to the site shall be monitored for proper maintenance through contractor • Machineries and equipments shall be maintained as per manufacturers instruction • The contractor of material transportation shall be advised to identify the time in the day for vehicular transportation and avoid queuing of trucks in and out
Land & Soil	NA	Project proponent will take all reasonable precautions to make its solid waste storage areas impervious to water and leachate migration. This will prevent soil contamination. Project Proponent will provide pucca RCC flooring at Solid Wastes storages to avoid any contamination with soil during handling, spillages activity. Not applicable

Air	NA	Construction Phase: Fugitive Emissions from handling of construction materials - Throwing materials from higher level shall be avoided to reduce dust generation. Material storage shall be constructed at easily accessible point. Use of lifts during construction shall be advised to avoid accidents. Water sprinkling, installation of wind breakers in the form of site barricades, paved roads shall mitigate the impact.
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Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2600000
	O & M cost:	200000

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression	5.0
2	Site sanitation, Disinfection	Mobile Toilets, Fumigation	3.0
3	Environment Monitoring	Air, Noise, Water & Soil	3.0
4	Health & Safety	Health check up, Personal protective equipments	4.0
5	Environment Management Cell	Formation of cell	5.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	RWH	20.0	0.5
2	Bio-degradable Solid Waste	OWC	15.0	1.5
3	Effluent Treatment	ETP	10.0	05
4	Sewage Treatment	STP	72.0	1.5
5	Air, Land & Soil Environment	Landscaping	12.0	2.0
6	Renewable Energy	Non Conventional Energy System	26.0	2.0
7	Biomedical Waste	Biomedical Waste Management	15	2.0

39.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
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HSD	NA	Fuel Storage	1000 Ltrs.	1000 Ltrs.	3282 Ltr./M	Local Source	Sealed MS Drums and through Closed Containers
40.Any Other Information							
No Information Available							



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	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 148th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP to submit NOC from Commissioner Industries, Government of Maharashtra and Municipal Commissioner, Nasik Municipal Corporation, Nasik for change of use from IT Building to Hospital .
II	PP to submit an indemnity bond for project land.
III	PP to submit details of CER activities in consultation with the affected people in the project area as per MoEF& CC circular dated 1/05/2018.
IV	PP to submit an indemnity bond for change of name.
V	PP to submit CER plan to District Collector and acknowledgment to be submitted to Member Secretary, SEIAA.

General Conditions:

I	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
II	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.
III	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
IV	PP has to abide by the conditions stipulated by SEAC& SEIAA.
V	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
VI	If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
VII	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
VIII	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.

IX	The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
X	Disposal of muck during 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 the approval of competent authority.
XI	Arrangement shall be made that waste water and storm water do not get mixed.
XII	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
XIII	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
XIV	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XV	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 contaminants.
XVI	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
XVII	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
XVIII	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
XIX	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
XX	Vehicles hired for bringing construction material to the site 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.
XXI	Ambient noise levels should conform to residential standards both during day and night. 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/MPCB.
XXII	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. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
XXIII	Ready mixed concrete must be used in building construction.
XXIV	Storm water control and its re-use as per CGWB and BIS standards for various applications.
XXV	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
XXVI	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
XXVII	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 MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
XXVIII	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
XXIX	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
XXX	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.
XXXI	Use of glass may be reduced 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.
XXXII	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.

XXXIII	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 like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.
XXXIV	Diesel power generating sets proposed as source of backup 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 Maharashtra Pollution Control Board.
XXXV	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
XXXVI	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
XXXVII	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
XXXVIII	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
XXXIX	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.
XL	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.
XLI	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
XLII	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.
XLIII	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
XLIV	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
XLV	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
XLVI	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
XLVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XLVIII	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
XLIX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in .
L	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
LI	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation 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.

LII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sector 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.
LIII	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 copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
LIV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (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 by e-mail.
LV	This EC is granted for FSI area 30633.26 m ² , Non FSI area 22092.93 m ² & Total BUA: 52726.19 m ² .



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4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SECRETARY MOEF & CC
2. IA- DIVISION MOEF & CC
3. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
4. REGIONAL OFFICE MOEF & CC NAGPUR
5. REGIONAL OFFICE MPCB NASHIK
6. REGIONAL OFFICE MIDC NASHIK
7. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
8. COLLECTOR OFFICE AHMEDNAGAR
9. COLLECTOR OFFICE JALGAON
10. COLLECTOR OFFICE DHULE
11. COLLECTOR OFFICE NANDURBAR
12. COLLECTOR OFFICE NASHIK

ANNEXURE IV

CONSENT TO OPERATE

(AS PER EC CONSTRUCTION PHASE CONDITION: XI)

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781/24014701
Fax: 24024068 /24023515
Website: <http://mpcb.gov.in>
E-mail: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd - 4th Floor,
Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E)
Mumbai - 400 022

Red/LSI

Date: 13/03/2019.

Consent order No. BO/CAC Cell/CCA/UAN- 60156/CAC - 1903000666

To,

M/s. Sahrudaya Health Care Pvt. Ltd.,
Ashoka Medicover Hospitals,
Plot No.2, Near IT Park, Indira Nagar, Wadala Road, Nashik,
Dist: Nashik.

Sub : Combined Consent to Operate and BMW Authorization under RED
Category to Health Care Establishment (HCE).

Ref 1. Your application for renewal of combine consent to operate and
Authorization UAN no.60156 dated 07.11.2018.
2. Minutes of the Consent Appraisal Committee meeting dated 11.12.2018.

Combined Consent to Operate

under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under
Section 21 of the Air (Prevention & Control of Pollution) Act, 1981, Authorization under
Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 and Biomedical Waste
Management Rules 2016 is considered and the consent is hereby granted subject to
following terms and conditions and as detailed in the schedule I, II, III, IV & V annexed
to this order:

1. The conditional combined consent to Operate and BMW authorization is
granted for a period up to 31.03.2021.
2. The capital investment of the HCE is Rs.13.52 Crs.
(As per C. A. Certificate submitted)
3. The Consent is valid for the Activity of -

Sr. No.	Activity	Beds
1	Hospital	
a)	Beds	225 Nos.
b)	Total Plot Area	30,633 Sq. Mtrs
c)	Total Built up Area	18,832 Sq. Mtrs

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	12.0	As per Schedule -I	The treated trade and domestic effluent shall be disposed on land for gardening
2.	Domestic effluent	120.0	As per Schedule -I	

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	D.G. Set (4000 KVA)	1	As per Schedule – II

6. **Conditions under Municipal Solid Waste (Management and Handling) Rule 2000:**

Sr. No.	Type of Waste	Qty	UOM	Treatment	Disposal
1	Wet garbage	At Actual	Kg/Day	Bio-gas Plant/ OWC	Gas to be utilized for purposes/Use as manure
2	Dry garbage	At Actual	Kg/Day	--	Recycle or hand over to local body
3	STP Sludge	At Actual	Kg/Day	--	Use as manure

7. **Non-Hazardous Solid Wastes:**

Sr. No.	Type of Waste	Quantity	UOM	Treatment	Disposal
1	E-Waste	As Actual	Nil	--	Through authorized recyclers

8. **Conditions under Hazardous Wastes (Management, Handling Transboundary and Other Waste) Rule 2016 for treatment and disposal of Hazardous Waste:**

Sr. No.	Type of Waste	Qty	UOM	Treatment	Disposal
1	Chemical Sludge from Waste Water Treatment	As actual	Kg/Year	--	Shall handover to CBMWTSDF for incinerator or to CHWTSDF for disposal

9. If Built up area exceeds more than 20,000 sq. meters and if hospital is Commissioned After 14.09.2006, the project proponent shall comply EIA Notification 2006 as Amended.

10. This consent is issued subject to conditions mentioned below,

- The "authorized Person" shall comply with provisions of the Environment (Protection) Act, 1986, and the Rules made there under.
- Any unauthorized change in equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this Authorization.
- If the built up area exceeds more than 20,000 sq. Mtrs. and if the hospital is commissioned after 14.09.2006, the project proponent shall comply EIA Notification 14.09.2006 by obtaining Environment Clearance.

- d. You shall submit details of Management and Handling of outdated, discarded, unused **Cytotoxic drugs** generated in the Cancer centers, research and health care in the format prescribed by CPCB which is available on www.cpcb.nic.in along with Annual Report to MPCB with a copy to CPCB before 31st January every year.
- e. You shall manage the **Mercury Waste** in the HCE in environmentally sound manner (including storage, spilled collection, transportation and disposal) as per CPCB guidelines published on CPCB website www.cpcb.nic.in dated: 07.09.2010 as detailed in document entitled "Environmentally Sound Management of Mercury Waste in Health Care Facilities".
- f. You shall ensure phase out of chlorinated plastic bags, gloves and blood bags by HCEs within two years;
- g. You shall establish Bar code system within one year
- h. You shall ensure that the liquid waste is treated and disposed by all the occupier or operator of a CBWTF in accordance with the Water Act, 1974;
- i. You shall maintain day to day basis and display the monthly record Including Annual report on its website within two years from the date of Notification.
- j. You shall submit separate Bank Guarantees towards compliance of condition mentioned at Annexure – IV to Regional Office, within 30 days.
- k. You shall submit compliance of Bank Guarantee conditions every six months to Regional Officer, for verification purpose.
- l. You shall submit application for renewal of Combined Consent and Biomedical Waste authorization before 120 days along with appropriate fees.
11. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
12. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.

For and on behalf of the
Maharashtra Pollution Control Board

(E. Ravendiran, IAS)
Secretary

Received Consent fee of –

Sr. No.	Amount (Rs.)	D.R. No./TXN No.	Date	Bank
1	1,50,000/-	TXN1811000548	10.11.2018	---
2	4,14,998/-	TXN1902000098	01.02.2019	---

Copy to:

1. Regional Officer – MPCB, Nashik and Sub –Regional Officer –Nashik-I, MPCB – They are directed to ensure the compliance of the CCA conditions.
2. Chief Accounts Officer, MPCB, Mumbai- for information.

Schedule-I

I) Terms & Conditions for compliance of Water Pollution Control

1) A] You shall provide combined waste water primary treatment for the Trade effluent and domestic sewage generated from the hospital and thereafter the treated effluent shall be discharged in to Sewage Treatment Plant with the adequate design capacity followed by **Chlorination** and the treated water shall be disposal to Municipal Sewer / Land application after achieving standard prescribed below:

B] The Applicant shall operate the combined waste water treatment plant to treat the trade and domestic effluent so as to achieve the following standards prescribed by the Board or under E P Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters	Discharge Standards applicable
		Limiting Concentration in mg/l, except for pH
01	pH	6.5-9.0
02	Suspended Solids	100
03	Oil and Grease	10
05	BOD 3 days 27°C	30
06	COD	250
08	Bio-Assay test	90 % survival of fish after 96 hours in 100 % effluent

2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waste water & the system for the disposal of effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps for expansion / modify or establish any modification to treatment and disposal system or an extension or addition thereto.

3) You shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

4) You shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.

5) **Water Consumption:**

Sr. No.	Purpose for water consumed	Water Consumption quantity CMD
1.	Industrial Cooling and boiler feed etc.,	00
2.	Domestic purpose	150.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	00
5	Other such as agriculture, gardening, etc.	---

Schedule-II

Terms & conditions for compliance of Air Pollution Control

1. As per your application, you have proposed / provided the Air pollution control (APC) system and also proposed to erect/erected following stack (s) to observe the following fuel pattern-

Sr. No.	Stack Attached to	Height in meter	Type of Fuel	Qty	SO ₂ in Kg/D
1	D G Set (4000 KVA)	4.5 above the roof	HSD	16 Ltr/Hr.	7.68

2. The applicant shall provide stack height of 4.0 mtrs operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

3.

Particulate matter	Not to exceed	150 mg/Nm ³
--------------------	---------------	------------------------

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.

5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

6. Conditions for D.G. Set

- a. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- b. Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
- c. Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- d. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- e. A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- f. D.G. Set shall be operated only in case of power failure.
- g. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h. The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.

Schedule-III

Treatment and Disposal of Biomedical Waste generated from Hospital to CBMWTSDF

The authorization is granted for generation and disposal of Bio-Medical Waste (BMW) to CBMWTSDF in waste categories and quantities listed here in below:

Sr. No.	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Color coding	Treatment & Disposal
1	Yellow	a) Human Anatomical waste	150	Yellow colored non-chlorinated plastic bags	No onsite treatment of BMW is permitted. The above mentioned Bio medical Waste shall be sent to Common BMW Treatment & Disposal facility authorized by MPCB.
		b) Animal Anatomical Waste	--		
		c) Soiled Waste	190		
		d) Expired or Discarded Medicines	10	Separate collection system leading to effluent treatment system	
		e) Chemical Waste	---		
		f) Chemical Liquid Waste	---	Yellow colored non-chlorinated plastic bags or suitable packing material	
		g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	90		
h) Microbiology Biotechnology and other clinical laboratory waste	90	Autoclave safe plastic bags or containers			
2	Red	Contaminated waste (Recyclable)	140	Red colored non chlorinated plastic bags or containers	
3	White (Translucent)	Waste sharps including Metals	40	Puncture proof, Leak proof, tamper proof container	
4	Blue	a) Glassware	--	Puncture proof & leak proof boxes or containers with blue colored marking.	
		b) Metallic body implants	---		

Schedule-IV : Bank Guarantees

Statement of conditions to be complied and Bank Guarantee imposed to ensure timely compliance to be observed by

Sr. No.	Activity / Condition to be Complied	Compliance Timeline (Months)	Bank Guarantee Amount
I (A)	Operation and Maintenance		
1	To Segregate and Handle BMW as per Rule	Continuous	50,000/-
2	Operation and Maintenance of combined waste water treatment plant to achieve prescribed discharged standards	Continuous	50,000/-
I (B)	Records		
1	To Maintain records of BMW and submission of Annual Report in Form -II before 31 st January	Continuous	25,000/-
2	To maintain records of BMW material delivered to CBMWTSDP	Continuous	25,000/-
II	Performance		
1	To provide BMW separate storage facility	Six	25,000/-
		Total	1,75,000/-
Rupees one Lakh seventy five thousand only			

Note: You shall submit the B.G. valid for additional 4 month period after the validity of your granted CCA.



Schedule-V
General Conditions

The following general conditions shall apply as per the type of the industry

- 1) You shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) You should monitor effluent quality, stack emissions, noise and ambient air quality quarterly.
- 3) You shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 4) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 5) You shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 6) You shall submit, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 to Regional Office, , the 30th day of September every year.
- 7) You shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW (MH&TM) Rules 2008, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 8) You shall comply with the Hazardous Waste (M, H & TM) Rules, 2008 and submit the Annual Returns to RO- as per Rule 5(6) & 22(2) of Hazardous Waste (M, H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 9) An inspection book shall be opened and made available to the Board's officers during their visit to the HCE.
- 10) You shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).

- 11) You shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent & authorization condition towards Environment Protection.
- 12) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 13) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the HCE.
- 14) You shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 15) You should not cause any nuisance in surrounding area.
- 16) You shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 17) You shall maintain good housekeeping.
- 18) You shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement to Regional Office by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 19) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- 20) You shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. You will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 21) You shall submit Six Monthly statement in respect of obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
- 22) You shall submit official e-mail address and any change will be duly informed to the MPCB, forthwith.
- 23) You shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended
- 24) You shall observe provisions of E-waste (Management and Handling) Rules 2011 and Battery Waste (Management and Handling) Rules 2001, as amended.

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ANNEXURE V
ENVIRONMENT MONITORING REPORT

AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/06/22/064	Report No. AA/06/22/064	Report Date	10/06/2022
Name and address of Customer	Ashoka Institute of Medical Science & Research Plot No. 02, S. No. 113/2, Indira Nagar, Wadala Road, Wadala, Nashik - 422009, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambinet Air
Sampling Location	Near Hospital Back Side	Date - Sampling	02/06/2022 to 03/06/2022
Sample Quantity / Packing	PM ₁₀ , Bap, Metals: 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C ₆ H ₆ : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	03/06/2022
Sampling Procedure	As per method reference	Date - Start of Analysis	03/06/2022
Order Reference	W.O. No. AIMSR-WO-002 dated 27.12.2019	Date - Completion of Analysis	09/06/2022

Meteorological Data / Environmental Conditions

Average Wind Velocity 0.80 km/h	Wind Direction W-E	Relative Humidity (Max./Min.): 76/63%	Temperature (Max./Min.): 36/30°C	Duration of Survey 24 h
Parameter	Result	NAAQS# 2009	Unit	Method

Chemical Testing; Group: Atmospheric Pollution

Sulphur Dioxide (SO ₂)	BLQ (LOQ:4)	80	µg/m ³	IS 5182 (Part 2): 2001
Nitrogen Dioxide (NO ₂)	BLQ (LOQ:6.5)	80	µg/m ³	IS 5182 (Part 6): 2006
Particulate Matter (size less than 10 µm) or PM ₁₀	50	100	µg/m ³	IS 5182 (Part 23):2006
Particulate Matter (size less than 2.5µm) or PM _{2.5}	14	60	µg/m ³	CPCB Guideline, Volume I,36/2012-13, Page No.15:2013
Ozone (O ₃)	BLQ (LOQ:19.6)	180	µg/m ³	Methods of Air Sampling and Analysis (AWMA), 3rd Ed., Method 4II, Page no. 403 :1988
Lead (as Pb)	BLQ (LOQ:0.02)	1	µg/m ³	EPA/625/R-96/DIO a Compendium Method 10-3.1 & 3.2
Carbon Monoxide (CO)	1.50	4	mg/m ³	CPCB Guidelines, Volume II, 37/2012-13, Page no.16: 2013
Ammonia (NH ₃)	BLQ (LOQ:20)	400	µg/m ³	CPCB Guidelines, Volume I,36/2012-13, Page No.35: 2013
Benzene (C ₆ H ₆)	1.91	5	µg/m ³	IS 5182 (Part II) : 2006
Benzo (a) pyrene (BaP) Particulate Phase only	BLQ (LOQ:0.2)	1	ng/m ³	IS 5182 (Part 12): 2004
Arsenic (as As)	BLQ (LOQ:0.3)	6	ng/m ³	EPA/625/R-96/DIO a Compendium Method 10-3.1 & 3.2
Nickel (as Ni)	BLQ (LOQ:3)	20	ng/m ³	EPA/625/R-96/DIO a Compendium Method 10-3.1 & 3.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

TWA : Time Weighted Average

: NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

B. Shewale
Kavita Shewale
Section In-Charge (Chemical)
Reviewed & Authorised by

Sample ID : AA/06/22/064	Report No. AA/06/22/064	Report Date	10/06/2022
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Kavita Shewale

Kavita Shewale
Section In-charge (Chemical)
Reviewed & Authorised by



End of Report

Note:

1. The result listed refer only to the tested sample(s) and applicable parameter(s).
2. This report is not to be reproduced except in full, without written approval of the laboratory.
3. In case sampling is not done by laboratory, the results apply to the sample as received.
4. There are no additions to, deviations or exclusions from the method.



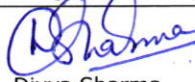
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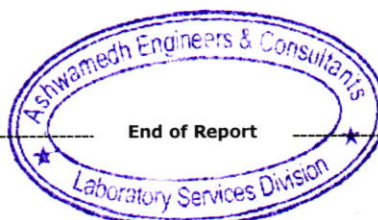
TEST REPORT

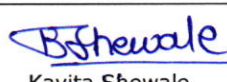
Sample ID : W/06/22/022	Report No. W/06/22/022	Report Date	10/06/2022
Name and address of Customer	Ashoka Institute of Medical Science & Research Plot No. 02, S. No. 113/2, Indira Nagar, Wadala Road, Wadala, Nashik - 422009, Maharashtra		
Sampling done by	Laboratory Representative (Mr. Dilip Jadhav)	Sample Description / Type	Water (Ground Water)
Sampling Location	Borewell	Date - Sampling	02/06/2022
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile bottle	Date - Receipt of Sample	02/06/2022
Sampling Procedure	IS 1622:1981 & IS 3025(Part I):1987 & APHA 23rd Ed.2017, 1060 B,1-40, 9060 A,9-36 & 9060 B,9-39 & ISO 19458:2006	Date - Start of Analysis	02/06/2022
Order Reference	W.O.No. AIMSR-WO-002 Dated 27.12.2019	Date - Completion of Analysis	09/06/2022

Sr.No.	Parameter	Result	Acceptable Limit as per IS 10500:2012	Unit	Method
Chemical Testing; Group: Water, Residues in Water					
Organoleptic and Physical Parameters					
1	Colour	1	Max. 5	Hazen Units	IS 3025 (Part 4):1983
2	Odour	Agreeable	Agreeable	-	IS 3025 (Part 5):2018
3	pH value	8.22	6.5-8.5	-	IS 3025 (Part 11): 1983
4	Turbidity	BLQ (LOQ:0.2)	Max.1	NTU	IS 3025 (Part 10):1984
5	Total Dissolved Solids	176	Max.500	mg/L	IS 3025 (Part 16): 1984
General Parameters concerning substances undesirable in excessive amounts					
6	Calcium (as Ca)	28	Max.75	mg/L	IS 3025 (Part 40): 1991
7	Chloride (as Cl)	13.5	Max. 250	mg/L	IS 3025 (Part 32):1988
8	Fluoride (as F)	0.2	Max. 1	mg/L	IS 3025 (Part 60):2008
9	Iron (as Fe)	BLQ (LOQ:0.06)	Max.1	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
10	Magnesium (as Mg)	15.5	Max.30	mg/L	IS 3025 (Part 46): 1994
11	Nitrate (as NO ₃)	1	Max.45	mg/L	APHA, 23rd Ed., 4500- NO3, B-4-127
12	Sulphate (as SO ₄)	12.4	Max. 200	mg/L	IS 3025 (Part 24): 1986
13	Total Alkalinity (as CaCO ₃)	125	Max.200	mg/L	IS 3025(Part 23):1986
14	Total Hardness (as CaCO ₃)	134	Max.200	mg/L	IS 3025 (Part 21): 1983
Biological Testing; Group: Water					
Bacteriological Parameters					
15	<i>Escherichia coli</i>	Absent	Not Detectable	/100 ml	APHA, 23rd Ed., 9221-G, 9-80, 2017
16	Total Coliforms	Absent	Not specified	/100 ml	APHA, 23rd Ed., 9221-D, 9-75 P-A Coliform test: 2017

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification


Divya Sharma
Technical Manager (Biological)
Reviewed & Authorised by




Kavita Shewale
Section In-charge (Chemical)
Reviewed & Authorised by

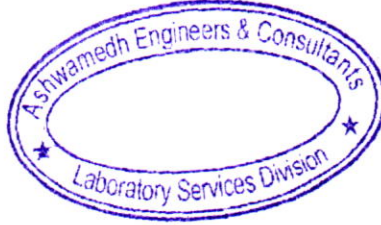


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Sample ID : W/06/22/022	Report No. W/06/22/022	Report Date	10/06/2022
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Divya Sharma
Technical Manager (Biological)
Reviewed & Authorised by





Kavita Shewale
Section In-Charge (Chemical)
Reviewed & Authorised by

Note:

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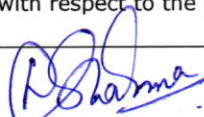


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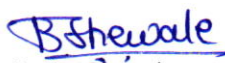
TEST REPORT

Sample ID : W/06/22/023	Report No. W/06/22/023	Report Date	10/06/2022
Name and address of Customer	Ashoka Institute of Medical Science & Research Plot No. 02, S. No. 113/2, Indira Nagar, Wadala Road, Wadala, Nashik - 422009, Maharashtra		
Sampling done by	Laboratory Representative (Mr. Dilip Jadhav)	Sample Description / Type	Water (Drinking Water)
Sampling Location	Cooler Outlet	Date - Sampling	02/06/2022
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile bottle	Date - Receipt of Sample	02/06/2022
Sampling Procedure	IS 1622:1981 & IS 3025(Part I):1987 & APHA 23rd Ed.2017, 1060 B,1-40, 9060 A,9-36 & 9060 B,9-39 & ISO 19458:2006	Date - Start of Analysis	02/06/2022
Order Reference	W.O.No. AIMS-R-WO-002 Dated 27.12.2019	Date - Completion of Analysis	09/06/2022

Sr.No.	Parameter	Result	Acceptable Limit as per IS 10500:2012	Unit	Method
Chemical Testing; Group: Water, Residues in Water					
Organoleptic and Physical Parameters					
1	Colour	1	Max. 5	Hazen units	IS 3025 (Part 4):1983
2	Odour	Agreeable	Agreeable	-	IS 3025 (Part 5):2018
3	pH value	8.07	6.5-8.5	-	IS 3025 (Part II): 1983
4	Turbidity	BLQ (LOQ:0.2)	Max.1	NTU	IS 3025 (Part 10):1984
5	Total Dissolved Solids	120	Max.500	mg/L	IS 3025 (Part 16): 1984
General Parameters concerning substances undesirable in excessive amounts					
6	Calcium (as Ca)	20	Max.75	mg/L	IS 3025 (Part 40): 1991
7	Chloride (as Cl)	11	Max. 250	mg/L	IS 3025 (Part 32):1988
8	Fluoride (as F)	0.1	Max. 1	mg/L	IS 3025 (Part 60):2008
9	Iron (as Fe)	BLQ (LOQ:0.06)	Max.1	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
10	Magnesium (as Mg)	10.6	Max.30	mg/L	IS 3025 (Part 46): 1994
11	Nitrate (as NO ₃)	0.48	Max.45	mg/L	APHA, 23rd Ed., 4500- NO3, B-4-127
12	Sulphate (as SO ₄)	4.02	Max. 200	mg/L	IS 3025 (Part 24): 1986
13	Total Alkalinity (as CaCO ₃)	90	Max.200	mg/L	IS 3025(Part 23):1986
14	Total Hardness (as CaCO ₃)	94	Max.200	mg/L	IS 3025 (Part 21): 1983
Biological Testing; Group: Water					
Bacteriological Parameters					
15	<i>Escherichia coli</i>	Absent	Not Detectable	/100 ml	IS 15185:2016
16	Total Coliforms	Absent	Not Detectable	/100 ml	IS 15185:2016
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification Remark: The analysed Water Sample results conform with Acceptable Limit as per IS 10500:2012 [With Amendment No.1,2,3 and 4] Standard with respect to the parameters tested, without applying measurement uncertainty (wherever applicable).					


Divya Sharma
Technical Manager (Biological)
Reviewed & Authorised by




Kavita Shewale
Section In-charge (Chemical)
Reviewed & Authorised by

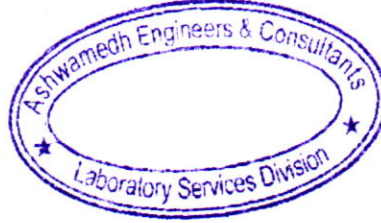


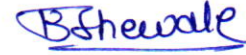
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Sample ID : W/06/22/023	Report No. W/06/22/023	Report Date	10/06/2022
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Section In-Charge (Chemical)
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Note:

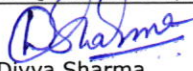
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5. Statement of conformity is based on the decision rule applied.



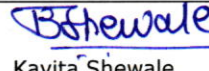
ULR-TC550922000008470F

TEST REPORT

Sample ID : W/06/22/024	Report No. W/06/22/024	Report Date	09/06/2022	
Name and address of Customer	Ashoka Institute of Medical Science & Research Plot No. 02, S. No. 113/2, Indira Nagar, Wadala Road, Wadala, Nashik - 422009, Maharashtra			
Sampling done by	Laboratory Representative (Mr. Dilip Jadhav)	Sample Description / Type	Water (Surface Water)	
Sampling Location	Pond	Date - Sampling	02/06/2022	
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile bottle	Date - Receipt of Sample	02/06/2022	
Sampling Procedure	IS 1622:1981 & IS 3025(Part I):1987 & APHA 23rd Ed.2017, 1060 B,1-40, 9060 A,9-36 & 9060 B,9-39 & ISO 19458:2006	Date - Start of Analysis	02/06/2022	
Order Reference	W.O.No. AIMSR-WO-002 Dated 27/12/2019	Date - Completion of Analysis	08/06/2022	
Sr.No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Water, Residues in Water				
Organoleptic and Physical Parameters				
1	Colour	1	Hazen Units	IS 3025 (Part 4):1983
2	Odour	Agreeable	-	IS 3025 (Part 5):2018
3	pH value	7.84	-	IS 3025 (Part II): 1983
4	Turbidity	BLQ (LOQ:0.2)	NTU	IS 3025 (Part 10):1984
5	Total Dissolved Solids	168	mg/L	IS 3025 (Part 16): 1984
General Parameters concerning substances undesirable in excessive amounts				
6	Calcium (as Ca)	24.8	mg/L	IS 3025 (Part 40): 1991
7	Chloride (as Cl)	13.5	mg/L	IS 3025 (Part 32):1988
8	Fluoride (as F)	0.2	mg/L	IS 3025 (Part 60):2008
9	Iron (as Fe)	BLQ (LOQ:0.06)	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
10	Magnesium (as Mg)	13.6	mg/L	IS 3025 (Part 46): 1994
11	Nitrate (as NO ₃)	0.95	mg/L	APHA, 23rd Ed., 4500- NO3, B-4-127: 2017
12	Sulphate (as SO ₄)	7.47	mg/L	IS 3025 (Part 24): 1986
13	Total Alkalinity (as CaCO ₃)	120	mg/L	IS 3025(Part 23):1986
14	Total Hardness (as CaCO ₃)	118	mg/L	IS 3025 (Part 21): 1983
Biological Testing; Group: Water				
Bacteriological Parameters				
15	<i>Escherichia coli</i>	Absent	/100 ml	APHA, 23rd Ed., 9221-G, 9-80, 2017
16	Total Coliforms	Absent	/100 ml	APHA, 23rd Ed., 9221-D, 9-75 P-A Coliform test: 2017
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification				


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AEC/F/REP/1-A

STACK EMISSION MONITORING REPORT

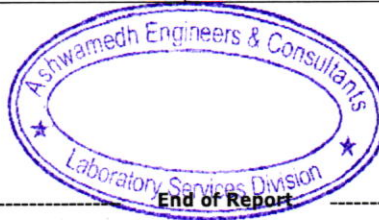
Sample ID : SA/06/22/065	Report No. SA/06/22/065	Report Date	10/06/2022
Name and address of Customer	Ashoka Institute of Medical Science & Research Plot No. 02, S. No. 113/2, Indira Nagar, Wadala Road, Wadala, Nashik - 422009, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	PM: 1 no. thimble SO ₂ : 30 ml x 1 no. plastic bottle NO ₂ : 25 ml x 1 no. plastic bottle	Date - Sampling	02/06/2022
		Date - Receipt of Sample	03/06/2022
Sampling Procedure	IS 11255 (Part 1):1985,(Part 2):1985,(Part 3):2008,(Part 7):2005	Date - Start of Analysis	03/06/2022
Order Reference	W.O. No. AIMS-R-WO-002 dated 27.12.2019	Date - Completion of Analysis	09/06/2022

Stack Details	
~ Stack Identity	D G Set No. 1 (2000 KVA)
~ Stack attached to	D G Set
~ Material of construction	MS
~ Stack height above ground level	4.5 m
~ Stack diameter	0.25 m
~ Stack shape at top	Round
~ Type of Fuel	Diesel
~ Fuel Consumption	200 L/h

Parameter	Result	Limits as per MPCB Consent	Unit	Method
Chemical Testing; Group: Atmospheric Pollution				
Flue Gas Temperature	94	-	°C	IS 11255 (Part 3):2008
Flue Gas Velocity	8.25	-	m/s	IS 11255 (Part 3):2008
Flue Gas Flow Rate	1100	-	Nm ³ /h	IS 11255 (Part 3):2008
Particulate Matter (PM)	18	150	mg/Nm ³	IS 11255 (Part 1):1985
Sulphur Dioxide (SO ₂)	5.52	Not specified	mg/Nm ³	IS 11255 (Part 2):1985
Sulphur Dioxide (SO ₂)	0.146	Not specified	kg/d	IS 11255 (Part 2):1985
Oxides of Nitrogen (NO ₂)	12	Not specified	mg/Nm ³	IS 11255 (Part 7):2005

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End of Report

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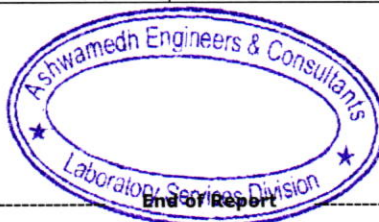
Sample ID : SA/06/22/066	Report No. SA/06/22/066	Report Date	10/06/2022
Name and address of Customer	Ashoka Institute of Medical Science & Research Plot No. 02, S. No. 113/2, Indira Nagar, Wadala Road, Wadala, Nashik - 422009, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	PM: 1 no. thimble SO ₂ : 30 ml x 1 no. plastic bottle NO ₂ : 25 ml x 1 no. plastic bottle	Date - Sampling	02/06/2022
		Date - Receipt of Sample	03/06/2022
Sampling Procedure	IS 11255 (Part 1):1985,(Part 2):1985,(Part 3):2008,(Part 7):2005	Date - Start of Analysis	03/06/2022
Order Reference	W.O. No. AIMSR-WO-002 dated 27.12.2019	Date - Completion of Analysis	09/06/2022

Stack Details	
~ Stack Identity	D G Set No. 2 (2000 KVA)
~ Stack attached to	D G Set
~ Material of construction	MS
~ Stack height above ground level	4.5 m
~ Stack diameter	0.25 m
~ Stack shape at top	Round
~ Type of Fuel	Diesel
~ Fuel Consumption	200 L/h

Parameter	Result	Limits as per MPCB Consent	Unit	Method
Chemical Testing; Group: Atmospheric Pollution				
Flue Gas Temperature	95	-	°C	IS 11255 (Part 3):2008
Flue Gas Velocity	8	-	m/s	IS 11255 (Part 3):2008
Flue Gas Flow Rate	1064	-	Nm ³ /h	IS 11255 (Part 3):2008
Particulate Matter (PM)	19	150	mg/Nm ³	IS 11255 (Part 1):1985
Sulphur Dioxide (SO ₂)	8.27	Not specified	mg/Nm ³	IS 11255 (Part 2):1985
Sulphur Dioxide (SO ₂)	0.211	Not specified	kg/d	IS 11255 (Part 2):1985
Oxides of Nitrogen (NO ₂)	11.6	Not specified	mg/Nm ³	IS 11255 (Part 7):2005



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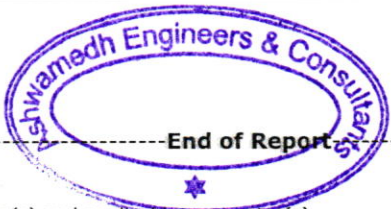


NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/06/22/0106	Report No. N/06/22/0106	Report Date	04/06/2022
Name and address of Customer	Ashoka Institute of Medical Science & Research Plot No.02, S.No.113/2, Indira Nagar, Wadala Road, Wadala, Nashik-422009, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	Ambient Noise
Order Reference	W.O.No. AIMS-R-WO-002 dated 27.12.2019	Date-Monitoring	02/06/2022 to 03/06/2022

Chemical Testing; Group: Atmospheric Pollution			
Location	Time (h)	Results	Method
		Noise Level dB (A) Fast Response	
Near Hospital Back side	11:00	60	CPCB Protocol for Ambient Level Noise Monitoring, July AEC/C/SAP/SAM/356 36. Issue no.4. Issue date 01.04.2018
	12:00	64	
	13:00	65	
	14:00	64	
	15:00	62	
	16:00	60	
	17:00	60	
	18:00	54	
	19:00	57	
	20:00	53	
	21:00	53	
	22:00	54	
	23:00	55	
	24:00	54	
	01:00	53	
	02:00	54	
	03:00	54	
	04:00	56	
	05:00	54	
	06:00	55	
07:00	54		
08:00	57		
09:00	58		
10:00	60		
Limit			
As per the Noise Pollution (Regulation & Control) Rules, 2000(Rules 3 (1) and 4(1))			
Area Type	Limits in dB (A) weighted scale		
	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a.m.)	
Industrial Area	75	70	
Average Results Noise Level dB (A) Fast Response	58	54	


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Technical Manager (Chemical)
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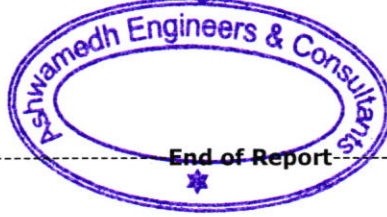
NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/06/22/3026	Report No. N/06/22/3026N	Report Date	04/06/2022
Name and address of Customer	Ashoka Institute of Medical Science & Research Plot No.02, S.No.113/2, Indira Nagar, Wadala Road, Wadala, Nashik-422009, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	DG set acoustic noise
Order Reference	W.O.No. AIMSR-WO-002 dated 27.12.2019	Date-Monitoring	02/06/2022 to 03/06/2022

Chemical Testing; Group: Atmospheric Pollution						
Location	Time (h)	Sound Level dB (A) Fast Response				Difference
		A	Inside	B	Outside	
DG Set No.2 2000 kVA	11:40	A1	104	A2	75	29
	11:45	B1	108	B2	76	32
	11:50	C1	107	C2	74	33
	11:55	D1	104	D2	76	28
		Average	106	Average	75	31

Note: Standards as per MPCB Consent Condition Minimum 25 dB (A) insertion Loss.


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NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/06/22/3027	Report No. N/06/22/3027N	Report Date	04/06/2022
Name and address of Customer	Ashoka Institute of Medical Science & Research Plot No.02, S.No.113/2, Indira Nagar, Wadala Road, Wadala, Nashik-422009, Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	DG set acoustic noise
Order Reference	W.O.No. AIMSR-WO-002 dated 27.12.2019	Date-Monitoring	02/06/2022 to 03/06/2022

Chemical Testing; Group: Atmospheric Pollution

Location	Time (h)	Sound Level dB (A) Fast Response				Difference
		A	Inside	B	Outside	
DG Set No.1 2000 kVA	11:00	A1	109	A2	76	33
	11:05	B1	108	B2	74	34
	11:10	C1	110	C2	77	33
	11:15	D1	109	D2	76	33
		Average	109	Average	76	33

Note: Standards as per MPCB Consent Condition Minimum 25 dB (A) insertion Loss.


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TEST REPORT

Sample ID : S/06/22/037	Report No. S/06/22/037	Report Date	14/06/2022
Name and address of Customer	Ashoka Institute of Medical Science & Research Plot No. 02, S. No. 113/2, Indira Nagar, Wadala Road, Wadala, Nashik - 422009, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sample Location	Parking Building	Date - Sampling	02/06/2022
Sample Quantity / Packing	1 kg x 1 no. plastic bag	Date - Receipt of Sample	02/06/2022
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	02/06/2022
Order Reference	W.O. No. AIMS-R-WO-002 dated 27.12.2019	Date - Completion of Analysis	13/06/2022

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	Moisture Content	4.77	% by Weight	Dept. of Agriculture & Cooperation, Ministry of Agriculture, Govt. of India, Jan 2011
2	pH (1:5 suspension)	8.08	-	FAO, Sec. III, I, Page no.65
3	Bulk Density	1.0086	g/cm ³	AEC/C/SAP/S-27
4	Organic Carbon	0.07	%	FAO, Sec. III, 3, Page no.73
5	Total Nitrogen (as N)	83.3	mg/kg	FAO, Sec III, 4, Page No. 78
6	Total Potassium (as K)	1480	mg/kg	USEPA/SW846/7000B
7	Hexavalent Chromium (as Cr ⁺⁶)	BLQ (LOQ:5)	mg/kg	USEPA/SW 846/7196A
8	Copper (as Cu)	172	mg/kg	USEPA/SW 846/7000B
9	Lead (as Pb)	5.42	mg/kg	USEPA/SW 846/7000B
10	Zinc (as Zn)	146	mg/kg	USEPA/SW 846/7000B
11	Iron (as Fe)	44802	mg/kg	USEPA/SW 846/7000B
12	Manganese (as Mn)	505	mg/kg	USEPA/SW 846/7000B
13	Nickel (as Ni)	71.8	mg/kg	USEPA/SW 846/7000B
14	Chloride (as Cl)	78.3	mg/kg	AEC/C/SAP/S-7
15	Sulphate (as SO ₄)	110	mg/kg	USEPA/SW 846/9038

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Note: All results are on air dry basis.

FAO: Food & Agriculture Organization, United Nations.

Sample ID S/06/22/037 bears two Test Reports - S/06/22/037 and S/06/22/037N



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Technical Manager (Chemical)
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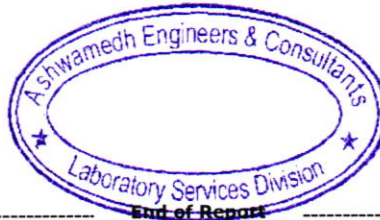
TEST REPORT

Sample ID : S/06/22/037	Report No. S/06/22/037N	Report Date	14/06/2022
Name and address of Customer	Ashoka Institute of Medical Science & Research Plot No. 02, S. No. 113/2, Indira Nagar, Wadala Road, Wadala, Nashik - 422009, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sample Location	Parking Building	Date - Sampling	02/06/2022
Sample Quantity / Packing	1 kg x 1 no. plastic bag	Date - Receipt of Sample	02/06/2022
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	02/06/2022
Order Reference	W.O. No. AIMS-R-WO-002 dated 27.12.2019	Date - Completion of Analysis	13/06/2022

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	Colour	Brown	-	By Visual Method
2	Texture	Clay	-	Dept. of Agriculture & Cooperation, Ministry of Agriculture, Govt. of India, Jan 2011, Ch.4, Page No. 67: 2011
3	Mercury (as Hg)	0.170	mg/kg	USEPA/SW 846/7000B
4	Silica (as SiO ₂)	16.3	mg/kg	USEPA/SW 846/6010C
5	Calcium (as Ca)	2.21	%	USEPA/SW 846/6010C
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification Note: All results are on air dry basis. FAO: Food & Agriculture Organization, United Nations. Sample ID S/06/22/037 bears two Test Reports - S/06/22/037 and S/06/22/037N				



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Technical Manager (Chemical)
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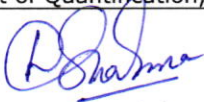


TEST REPORT


Sample ID : E/06/22/036	Report No. E/06/22/036	Report Date	10/06/2022
Name and address of Customer	Ashoka Institute of Medical Science & Research Plot No. 02, S. No. 113/2, Indira Nagar, Wadala Road, Wadala, Nashik - 422009, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Treated Sewage Effluent
Sampling Location	STP Outlet	Date -Sampling	02/06/2022
Sample Quantity / Packing	2 L x 1 no. plastic can 1 L x 1 no. glass bottle 250 ml x 1 no. sterile bottle	Date - Receipt of sample	02/06/2022
Sampling Procedure	IS 3025 (Part 1):1987 Amds.1& APHA,23rd Ed.2017,1060 B,1-40 9060 A,9-36 & 9060 B,9-39 & ISO 19458:2006	Date - Start of Analysis	02/06/2022
Order Reference	W.O. No. AIMS-R-WO-002 dated 27.12.2019	Date - Completion of Analysis	09/06/2022

Sr.No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	pH	7.91	-	IS 3025 (Part II):1983
2	Total Suspended Solids	8	mg/L	IS 3025 (Part I7):1984
3	Biochemical Oxygen Demand (3 days, 27°C)	5	mg/L	IS 3025 (Part 44):1993
4	Chemical Oxygen Demand	20	mg/L	APHA, 23rd Ed., 5220-B, 5-18: 2017
5	Total Dissolved Solids	1340	mg/L	IS 3025 (Part 16):1984
6	Oil & Grease	BLQ (LOQ:1)	mg/L	APHA, 23rd Ed., 5520-B, 5-42: 2017
7	Chloride (as Cl)	450	mg/L	IS 3025 (Part 32):1988
8	Sulphate (as SO ₄)	24.4	mg/L	IS 3025 (Part 24):1986
9	Total Hardness (as CaCO ₃)	280	mg/L	APHA, 23rd Ed., 2340 C, 2-48
Biological Testing; Group: Pollution & Environment				
10	Total Coliforms	13	MPN Index /100 ml	APHA, 23rd Ed., 9221-B, 9-69:2017

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification


Divya Sharma
Technical Manager (Biological)
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