

NO.GNRC/EC/NG/SMR/01

Date:28-02-2021

To,

**The Additional Principal Chief Conservator of Forests (C),  
Ministry of Environment, Forest & Climate Change,  
North Eastern Regional Office  
Law-U-Sib, Lumbatngen  
Near MTC Workshop, Shillong- 793021**

SUB.: Submission of six monthly compliance report in respect of GNRC Institute of Medical Science (a unit of GNRC Ltd) at Patta No. 37, Dag No. 53, Village Silagrang Town, Dist: Kamrup, Assam for the period from April, 2020 to September, 2020

REF: ENVIRONMENTAL CLEARANCE LETTER F.No.21-151/2011-IA.III dated July 17, 2012

Dear Sir,

With reference to the Environmental Clearance obtained from MoEF vide letter under reference, we are submitting herewith the Six Monthly Compliance Report for the period from April, 2020 to September, 2020 in respect of Environmental Clearance as required.

Thanking You.

Yours sincerely,

For - M/s. GNRC Institute of Medical Science  
(a unit of GNRC Ltd)

(S. Deka)  
Director (Project)

Copy to:

1. The Member Secretary, Pollution Control Board Assam, Bamunimaidan, Guwahati- 21
2. The Zonal Office Central Pollution Control Board, Shillong Sh. Zawthanglien Changsan (Scientist 'E' and In-charge) (TUM-SIR), Lower Motinagar, Near Fire Brigade H.Q- Shillong-793014

**COMPLIANCE REPORT OF  
ENVIRONMENTAL CLEARANCE FOR  
THE PERIOD FROM APRIL, 2020  
TO SEPTEMBER, 2020**

**Ref. F. No. 21-151/2011-IA.III**



**SUBMITTED BY-**

**M/S. GNRC INSTITUTE OF MEDICAL SCIENCES  
(A UNIT OF GNRC LTD, DISPUR, GUWAHATI- 6)  
SILA GRANT TOWN, SILA SENDURI GHOPA  
MOUZA, NORTH GUWAHATI, KAMRUP, ASSAM**

**Name of the Company :** M/s. GNRC Institute of Medical Sciences (a unit of GNRC Ltd).

**Project :** Construction of Medical College and Hospital at Patta No. 37, Dag No. 53, Village: Silagrang Town, Dist: Kamrup, Assam.

**Environmental Clearance Letter :** **F. No. 21-151/2011-IA.III, dated July 17, 2012.**

**A - SPECIFIC CONDITIONS**

<b>SN.</b>	<b>EC CONDITIONS</b>	<b>COMPLIANCE STATUS</b>
(i)	Consent for Establishment" shall be obtained from Assam Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.	Complied with. Consent to Establish under Water & Air Act obtained from Assam State Pollution Control Board vide No. WB/GUW/T-2128/11-12/141/1339 dated. 29-11-11 & NO. WB/GUW/T-2128/11-12/371/1724 dated. 01-03-12. Copy of consent letter were already submitted to the Ministry.
(ii)	The proponent shall ensure that the project fulfills all the provision of Biomedical Waste (Management, Handling and Transboundary) Rules, 2008 as amended including segregation, collection, treatment and safe disposal etc.	Agreed with. Segregation, collection, treatment, and safe disposal of biomedical waste have been carried out through an authorized external agency of PCB, Assam (Fresh Air).
(iii)	Parking provision shall be enhanced along with well-designed circulation plan to ensure that there is no parking outside premises. The circulation plan should have any conflicts with the truck movement on the main road.	Parking provision for bus, car, two wheelers including bi-cycle have been made inside premises with facilities of public wash room. Also special parking provision for Ambulance are available.
(iv)	All the required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Agreed with. Required sanitation and hygienic measure has been adopted for construction phase.
(v)	A First Aid Room will be provided in the project both during construction and operation of the project.	First Aid Room along with drugs etc have been provided within the complex & delivering its services.

SN.	EC CONDITIONS	COMPLIANCE STATUS
(vi)	Adequate drinking water & sanitary facilities should be provided for construction workers at site. The safe disposal of waste water and solid wastes generated during construction phase should be ensured.	Complied with. Adequate drinking water & sanitary facilities are provided for construction workers at site.
(vii)	Provision should be made for the supply of fuel (kerosene or cooking gas), utensils such as pressure cooker etc to the labourers during construction phase.	Agreed with. During construction phase fuel, utensils were supplied to the labours.
(viii)	All the labourers to be engaged for construction should be screened for health and adequately treated before engaging them to work at the site.	Health of the workers were screened and necessary treatment have been provided before engaging them in work at the site.
(ix)	For Disinfection of waste water use UV radiation, not chlorination.	Complied with. UV radiation is used for disinfection of waste water.
(x)	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Topsoil excavated during construction has been reused for landscaping, gardening etc within the project site.
(xi)	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precaution for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Complied with. Muck generated during construction phase is used for site leveling and filling of low lying areas.
(xii)	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals & other toxic contaminants.	Complied with. Analysis report of Soil and Ground water is enclosed at <b>Annexure-A &amp; B</b> . According to the report there is no threat to ground water quality by leaching of heavy metals & other toxic contaminants.
(xiii)	Construction spoils including bituminous material and other hazardous material, must not be allowed to contaminate watercourses and the dump sites for such materials must be secured so that they should not leach into the ground water.	Complied with. Construction spoils are stored in impervious area so that it does not Leach into the ground water.

SN.	EC CONDITIONS	COMPLIANCE STATUS
(xiv)	The diesel generator sets to be used during construction phase should be low Sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	Low Sulphur diesel is used in DG sets. Monitoring reports of DG Sets are enclosed as <b>Annexure-B(1), C(1) &amp; D.</b>
(xv)	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.	Complied with. PUC certificate were checked for the vehicles during construction phase.
(xvi)	Ambient noise level 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.	Ambient Noise monitoring results are within permissible limits. Monitoring report is enclosed as <b>Annexure-C.</b>
(xvii)	Fly ash should be used as a construction material as per the provisions of Fly Ash Notification of September, 1999 & amended as on 27-08-2003. As the site located within the 100 km of Thermal Power Station.	Complied with.
(xviii)	Ready mixed concrete must be used in the construction.	Complied with.
(xix)	Storm water control and its reuse as per CGWB and BIS standards for various applications.	Complied with.
(xx)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Complied with
(xxi)	Permission to draw ground water shall be obtained from the competent authority prior to construction/operation of the project.	Applied to CGWB on 16-06-2014. Returned in May, 2018 with the advice to resubmit on line. Applied vide NO.21-4/492/AS/INF/2018 dated 07-05-18. Advised for certain correction which was done and reapplied on 25-09-2019 (Application No.21-2/817/AS/INF/2019).

SN.	EC CONDITIONS	COMPLIANCE STATUS
(xxii)	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Complied with.
(xxiii)	Treatment of 100% grey water by decentralized treatment should be done.	Complied with. STP is installed for treatment of grey water.
(xxiv)	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.	All sanitary & plumbing fixtures are comprised of low flow.
(xxv)	Use of glass may be reduced by up-to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflecting coating on windows.	Agreed with.
(xxvi)	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Mosaic crazy flooring on RCC roof top is done for heat regression besides thermal insulation etc where required.
(xxvii)	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.	Complied with. Monitoring reports are enclosed as <b>Annexure C, D</b>
(xxviii)	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 aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	230 mm brick wall made for energy conservation apart from treated bamboo cladding in the façade for air circulation to avoid possible use of AC & reduce energy consumption.

## **II. OPERATION PHASE :**

SN	EC CONDITIONS	COMPLIANCE STATUS
(i)	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Discharge of unused treated affluent shall conform to the norms and standards of the Assam State Pollution Control Board, Guwahati.	STP installed at site. The installation certificate along with a report was already submitted to the Ministry before operation phase. Certificate of the STP conducted by an independent expert already submitted on May 2019 letter No.FA/COR/1920/144A. STP water analysis report is attached <b>Annexure-E</b> .
(ii)	Rain water harvesting for roof run- off and surface run-off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease.	Complied with. Drain provided along with the apron of each building to go to storm water drain & then to pond meant for rain water reservoir.
(iii)	The solid waste generated should be properly collected and segregated before disposal to the city municipal facility. The in-vessel bio-conservation technique should be used for composting the organic waste recyclable material.	Complied with.
(iv)	Any hazardous waste including bio-medical waste should be disposed of as per applicable rules and norms with necessary approval of the Assam State Pollution Control Board.	All hazardous waste including biomedical waste have been disposed of as per norms of ASPCB & entrusted the job to an authorized organization of ASPCB.
(v)	The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land-use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety.	Executed as per plan for Green Belt area. Landscaping done at open space inside the complex and covered with vegetation of indigenous variety.
(vi)	Incremental pollution loads on the ambient air quality, noise & water quality should be periodically monitored after commissioning of the project.	Ambient air quality, noise and water quality are monitored regularly through Pollution Control Board recognized and NABL accredited laboratory. Monitoring reports enclosed at <b>Annexure-A to D</b> .
(vii)	Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provisions for solar water heating. A hybrid system or fully solar system for a portion of the apartments should be provided.	Solar lights are installed for common areas, lighting at gardens and street. Solar heater is also provided.
(viii)	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be	Sufficient space near entry & exit points from the roads inside the complex have

	avoided. Parking should be fully internalized and no public space should be utilized.	been kept for parking of cars/two wheelers to avoid traffic congestion.
(ix)	A Report on the energy conservation measures confirming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submit to the Ministry in three months' time.	Complied with. A report on energy conservation measures were submitted to Ministry vide our letter No.GNRC/ENV/SMR/01 dated 27-11-14.

**PART – B : GENERAL CONDITION :**



SN.	EC CONDITIONS	COMPLIANCE STATUS
1	Six monthly monitoring report should be submitted to the ministry and it's Regional Office, Shillong.	Six monthly compliance report along with monitoring reports have been submitting regularly. Last EC Compliance report for the period from October, 2019 to March,2020 was submitted vide our letter No. GNRC/EC/NG/SMR/01 dated 30-04-2020 to the Ministry Regional office Shillong, CPCB Shillong and Pollution Control Board, Assam.
2.	Officials from the Regional Office of MoEF, Shillong who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional office of MoEF, Shillong.	We ensure to provide full cooperation, facilities and documents/data required by the Officials from the Regional Office of MoEF, Shillong during their inspection. A complete set of all the documents submitted to MoEF was also forwarded to the CCF, Regional office of MoEF, Shillong.
3.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Agreed with.
4.	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Agreed with.
5.	These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	Agreed with.
6.	The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Assam State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> . The advertisement should	Complied with. Advertisement copies of both the widely circulated newspapers were already submitted to the Ministry as well as to the Regional Office of Ministry at Shillong.

	be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Shillong.	
7.	Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.	Agreed with.
8.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Forwarded to the concerned authority. No suggestions/ representations were received from concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the local NGO. Clearance letter was placed on the company's website <a href="http://www.gnrchospitals.com">www.gnrchospitals.com</a> in the heading "News & Events" and sub heading "Environmental Clearance"
9.	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, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Status of compliance of the stipulated EC conditions, including results of monitored data was uploaded on our website i.e <a href="http://www.gnrchospitals.com">www.gnrchospitals.com</a> and will continue. Simultaneously submitting regularly to the Regional Office of MoEF at Shillong and the Assam Pollution Control Board. Displayed in our above website also.
10.	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.	The environmental statement for the financial year 2019-20 was submitted along with the last six monthly report vide letter NO.GNRC/ENV/STAT/FORM-V/NG/01 dated 30-04-2020

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## SOIL ANALYSIS REPORT

Rep.No: 200919\_14080088\_0

Date: 19/09/20

Name & Address of Client	M/s. GNRC Institute of Medical Science (A Unit of GNRC Ltd.) Sila Grant, Mouza-Sila Senduri Ghopa, North Guwahati, Dist- Kamrup (R), Assam.
Sample Description	Soil sample collected from the project site.
Date of Sampling	11/09/20
Sample collected by	M/s. En-vision Enviro Technologies North East

Sl No.	Soil Parameters	Unit	Result	Reference Method
1	p <sup>H</sup>	---	7.78	Potentiometric
2	Soil type	---	Loamy Sand	Hydrometer
	Sand	%	73.4	Hydrometer
	Clay	%	16.2	Hydrometer
	Silt	%	10.4	Hydrometer
3	Nitrogen	kg/ha	139.8	Alkaline KMnO <sub>4</sub>
4	Phosphorus	mg/kg	24.5	Olsen method
5	Potassium	mg/Kg	36.4	NH <sub>4</sub> -acetate extraction
6	Electrical conductivity	mS/cm	1.99	Conductivity Meter
7	Water holding capacity	%	45.3	Standard method
8	Organic matter	%	3.9	Titrimetric



Page 1 of 2

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Sl No.	Parameters	Unit	Result	Reference Method
9	Salinity	mS/cm	1.99	Conductometric
10	Iron	g/kg	32.4	Flame AAS(mg/kg)
11	Copper	mg/kg	4.59	Flame AAS
12	Nickel	mg/kg	5.6	Flame AAS
13	Manganese	g/kg	6.8	Flame AAS(mg/kg)
14	Zinc	mg/kg	27.5	Flame AAS
15	Arsenic	mg/kg	4.1	HG- AAS
16	Cadmium	mg/kg	0.03	Flame AAS
17	Lead	mg/kg	11.6	Flame AAS
18	Mercury	mg/kg	0.12	Flameless AAS
19	Chlorides	mg/kg	141.5	Argentometric

For En-vision Enviro Technologies North East, Guwahati



**Dr. Pranita Chakraborty**  
(Quality Manager)  
Authorised Signatory

Note: i) The results relate only to the parameter tested.  
ii) The test report shall not be reproduced except in full, without written approval of laboratory.  
iii) Parameter no.4, 10 to 19 are analysed in B. Booroah College as per our MOU.

End of Report

Page 2 of 2

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**NABL ACCREDITED****TEST REPORT:**

Report No:200919\_14080088\_0  
Sample ID No: EETNE/Sept/04-B/20/D  
Test Starting Date: 11/09/20

Certificate No. TC-7669  
Date of Report: 19/09/20  
Date of sample receipt: 11/09/20  
Test completion Date: 19/09/20

Name & Address of Client	M/s. GNRC Institute of Medical Science (A Unit of GNRC Ltd.) Sila Grant, Mouza-Sila Senduri Ghopa, North Guwahati, Dist-Kamrup (R), Assam.				
Sample Description	Type: Drinking Water		Source: Water Purifier		
Sample collected by	M/s. En-vision Enviro Technologies North East				
Sample Collection Particulars	Date 11/09/2020	Time 10:35 A.M	Temperature 30°C	Quantity Drawn:4L	Sampling Method: EETNE/SOP/02

Sl No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
1	pH	---	7.59	APHA 23 <sup>rd</sup> Edition, 4500-H <sup>+</sup> , Page:4-95	6.5-8.5	No relaxation
2	Turbidity	NTU	0.3	APHA 23 <sup>rd</sup> Edition, 2130, Page:2-13	1.0	5.0
3	TDS	mg/L	124.6	APHA 23 <sup>rd</sup> Edition, 2540 C, Page:2-69	500	2000
4	*Total hardness	mg/L	75.3	APHA 23 <sup>rd</sup> Edition, 2340 B, Page:2-48	200	600
5	Calcium	mg/L	34.7	APHA 23 <sup>rd</sup> Edition, 3500-Ca B, Page:3-69	75	200
6	*Magnesium	mg/L	18.1	APHA 23 <sup>rd</sup> Edition, 3500-Mg B, Page:3-86	30	100
7	Total Alkalinity	mg/L	117	APHA 23 <sup>rd</sup> Edition, 2320 B, Page:2-37	200	600
8	*Chloride	mg/L	12.3	APHA 23 <sup>rd</sup> Edition, 4500-Cl <sup>-</sup> B, Page:4-75	250	1000
9	*Sulphate	mg/L	7.9	APHA 23 <sup>rd</sup> Edition, 4500-SO <sub>4</sub> <sup>2-</sup> E, Page:4-199	200	400
10	*Nitrates	mg/L	3.5	APHA 23 <sup>rd</sup> Edition, 4500-NO <sub>3</sub> <sup>-</sup> B, Page:4-127	45	No relaxation
11	*Residual Chlorine	mg/L	BDL	APHA 23 <sup>rd</sup> Edition, 4500-Cl B, Page:4-63	0.2	1.0



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Sl No.	Parameters	Unit	Result	Reference Method	NABL ACCREDITED Certificate No. 10500/2014	
					Acceptable limit	Permissible limit
12	*Fluoride	mg/L	0.29	APHA 23 <sup>rd</sup> Edition, 4500-F D, Page: 4-90	1.0	1.5
13	*Copper	mg/L	0.006	APHA 23 <sup>rd</sup> Edition, 3111 B, Page: 3-20	0.05	1.5
14	*Iron (as Fe)	mg/L	0.151	APHA 23 <sup>rd</sup> Edition, 3500-Fe B, Page: 3-80	0.3	No relaxation
15	*Mercury	mg/L	BDL	APHA 23 <sup>rd</sup> Edition, 3112 B, Page: 3-25	0.001	No relaxation
16	*Cadmium	mg/L	BDL	APHA 23 <sup>rd</sup> Edition, 3111 B, Page: 3-20	0.003	No relaxation
17	*Lead (as Pb)	mg/L	0.002	APHA 23 <sup>rd</sup> Edition, 3111 B, Page: 3-20	0.01	No relaxation
18	*Zinc	mg/L	0.211	APHA 23 <sup>rd</sup> Edition, 3111 B, Page: 3-20	5	15
19	*Arsenic	mg/L	BDL	APHA 23 <sup>rd</sup> Edition, 3114B, Page: 3-36	0.01	No relaxation
20	*Chromium Total	mg/L	0.001	APHA 23 <sup>rd</sup> Edition, 3111 B, Page: 3-20	0.05	No relaxation
21	*Manganese	mg/L	0.036	APHA 23 <sup>rd</sup> Edition, 3111 B, Page: 3-20	0.1	0.3
22	*Selenium	mg/L	BDL	APHA 23 <sup>rd</sup> Edition, 3114A, Page: 3-36	0.01	No relaxation
23	*Dissolved Oxygen	mg/L	7.9	APHA 23 <sup>rd</sup> Edition, 4500-O C, Page: 4-146	--	--
24	BOD	mg/L	3.0	APHA 23 <sup>rd</sup> Edition, 5210 B, Page: 5-6	--	--
25	COD	mg/L	8	APHA 23 <sup>rd</sup> Edition, 5220 B, Page: 5-18	--	--

NOTE: (BOD) Biochemical Oxygen Demand, (COD) Chemical Oxygen Demand, (BDL) Below Detection Limit.

For Envision Enviro Technologies North East

(Rimpi Sarma)  
Environmental Chemist  
Test Done By

(Dr. Pranita Chakraborty)  
Quality Manager  
Authorized Signatory

Note: i) The results relate only to the parameters tested.  
ii) The test report shall not be reproduced except in full, without written approval of laboratory.  
iii) The test marked with an (\*) are not accredited by NABL.  
iv) Parameter no.13 to 22 are analyzed by Department of Chemistry, B. Borooah College as per our MOU.

**End of report**

Page 2 of 2

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NABL ACCREDITED

**TEST REPORT****STACK ANALYSIS REPORT**

Report Code : SAR-14010036\_02\_395 /395  
Sample ID No.: EETNE/SEPT/06/20

Issue Date: 11/09/2020  
ULR NO.: TC766919000000164F

Issued to : M/s. GNRC Institute of Medical Science (A Unit of GNRC Ltd.), Sila Grant, Mouza: Sila Senduri Ghopa, North Guwahati, Assam.


Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 07/09/2020 TO 11/09/2020  
Sampling Instrument Used : STACK KIT/FLUE GAS ANALYZER  
Pollution Control Device, if any : NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (g/kwhr)	
i)	07/09/20	Stack attached to DG set 1 - 500KVA	0.16	-Data are within the permissible limit
ii)		Stack attached to DG set 2 - 500KVA	0.14	


Method of analysis: IS 11255 Part-I

**Emission Standards for Diesel Engine for generator set :**

Engine Power(P)	Parameter	Standards
75KW<P≤800KW	Particulate Matter	0.2 g/kwhr

  
Utpal Bezbaruah  
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

  
Dr. Pranita Chakraborty  
(Quality Manager)  
(Authorized Signatory)

Note: i) The results relate only to the parameters tested  
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

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## AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. 200911\_14010036\_06A\_397<sup>3/24</sup>

Date: 11/09/2020

### Name & Address:

M/s. GNRC Institute of Medical Science  
(A Unit of GNRC Ltd.)  
Sila Grant, Mouza: Sila Senduri Ghopa,  
North Guwahati, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq	
			Day Time (6:00 am to 10:00 pm)	Night Time(10:00 pm to 6:00 am)
i)	08/09/20	Near Main Gate	49.1	37.0
ii)		Near Project Site etc.	44.9	32.8
iii)	07/09/20	Near STP	42.7	31.5
iv)		Towards North-West Direction	46.6	34.2

Remarks: Noise level is carried out during 75% of the Day Time and night time.

Method of analysis : CPCB July 2015

Sampling Instrument Used : Lutron SL-4033SD, HTC SL 1350


### Ambient Noise Standards:


SO 123(E), dated 14<sup>th</sup> Feb 2000 Schedule see rule 3(1) and 4(1)

Reference IS : 9989 :1981

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

For Envision Enviro Technologies North East, Guwahati

  
Utpal Bezbaruah  
(Environmental Chemist)

  
Dr. Prañita Chakraborty  
(Quality Manager)  
(Authorized Signatory)

Note: i) The results relate only to the parameters tested  
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

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House No. 6, 1st Floor, Sankardev Path, Pub-Saranla, Chandmari, Guwahati-781003, Assam.

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## D.G SET NOISE LEVEL MEASUREMENT REPORT

Rep.No. 200911\_14010036\_06A\_396

Date: 11/09/2020

### Name & Address:

M/s. GNRC Institute of Medical Science  
(A Unit of GNRC Ltd.)  
Sila Grant, Mouza: Sila Senduri Ghopa,  
North Guwahati, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	DG Background Noise	Measured Sound	Actual Sound Pressure Level of DG in dB(A) Leq
i)	07/09/20	500 KVA - DG Set	53	73	72.9
ii)	08/09/20	500 KVA - DG Set	53	71	70.93

Remarks: Noise level is carried out during day time at a distance 1metre from the enclosure surface.


Method of analysis : CPCB July 2015

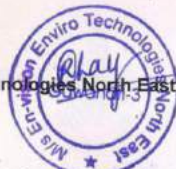
Sampling Instrument Used : Lutron SL-4033SD

IS: 4758:1968 G.S.R. 215(E) dated 15<sup>th</sup> March, 2011.

DG Set Noise Standards: Noise limit viz. 75 dB(A) at 1m distance.

For Envision Enviro Technologies North East, Guwahati

  
Utpal Bezbaruah  
(Environmental Chemist)

  
Dr. Pranita Chakraborty  
(Quality Manager)  
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Certificate No. TC 7000

**TEST REPORT****AMBIENT AIR ANALYSIS REPORT**

Report Code : AAAR-14010036\_01\_394 / 384

Issue Date: 11/09/2020

Sample ID No.: EETNE/SEPT/06/20

ULR NO.: TC766919000000164F

Issued to : M/s. GNRC Institute of Medical Science (A Unit of GNRC Ltd.), Sila Grant, Mouza: Sila Senduri Ghopa, North Guwahati, Assam.


Sample Drawn By : UTPAL BEZBARUAH  
 Sampling Plan & Procedure : EETNE/SOP/01  
 Analysis Duration : 07/09/2020, 08/09/2020 TO 11/09/2020  
 Sampling Instrument Used : AIR SAMPLER/RDS  
 Pollution Control Device, if any : NO

SL. NO.	DATE OF SAMPLING	LOCATION/SOURCE	WEATHER	PARAMETERS			
				PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
i)	07/09/20	Near Main Gate	Clear	55.9	32.6	17.4	8.5
ii)		Near Project Site etc.		54.7	32.1	16.0	7.9
iii)	08/09/20	Near STP		52.2	30.5	14.8	7.1
iv)		Towards North-West Direction		57.1	34.8	19.2	9.6


Remarks: - All parameters are within the permissible limit.  
 : - Samplings were done under the annual based.

**NATIONAL AMBIENT AIR QUALITY STANDARDS:**

Sl. No.	Pollutant	Test Method	Time Weighted Average	Concentration in Ambient Air Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO <sub>2</sub> ), $\mu\text{g}/\text{m}^3$	IS:5182 Part-II/ CPCB	Annual	50
			24 hours	80
2	Nitrogen Dioxide (NO <sub>2</sub> ), $\mu\text{g}/\text{m}^3$	IS:5182 Part-VI/ CPCB	Annual	40
			24 hours	80
3	Particulate Matter (PM <sub>10</sub> ), $\mu\text{g}/\text{m}^3$	IS:5182 Part-XXIII/ CPCB	Annual	60
			24 hours	100
4	Particulate Matter (PM <sub>2.5</sub> ), $\mu\text{g}/\text{m}^3$	EETNE/SOP/01/2017	Annual	40
			24 hours	60

  
 Utpal Bezbaruah  
 (Environmental Chemist)

For Enviro Technologies North East, Guwahati

  
 Dr. Pranita Chakraborty  
 (Quality Manager)  
 (Authorized Signatory)

Note: i) The results relate only to the parameters tested  
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**TEST REPORT:**


Report No: 200920\_1502088\_0  
Sample ID No: EETNE/Sept/05\_A/20  
Test Starting Date: 11/09/20

Date of Report: 19/09/20  
Date of sample receipt: 11/09/20  
Test completion Date: 19/09/20

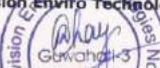
Name & Address of Client	M/s. GNRC Hospital, Super Market, Dispur, Guwahati-781006, Assam				
Sample Description	Type: ETP Waste water	Source: ETP Outlet			
Sample collected by	M/s. GNRC Hospital				
Sample collection particulars	Date 11/09/2020	Time 10:45 A.M	Temperature 30°C	Quantity Drawn: 2L	Sampling Method: EETNE /SOP/02

SN	Parameters	Unit	Result	Method Followed by	Permissible Limit (CPCB)
1	p <sup>H</sup>	---	7.59	IS 3025(Part 11)1983(Reaffirmed 1996)	6.5-9.0
2	Total Suspended Solids	mg/L	71.6	IS 3025(Part 18)1984(Reaffirmed 2012)	100
3	Oil & Grease	mg/L	1.93	IS 3025(Part 39)1991(Reaffirmed 2003)	10
4	BOD	mg/L	21	APHA 23 <sup>rd</sup> Edition, 5210B, Page: 5-6	30
5	COD	mg/L	63	APHA 23 <sup>rd</sup> Edition, 5220 b, Page: 5-18	250

NOTE: (BOD) Biochemical Oxygen Demand, (COD) Chemical Oxygen Demand,

  
Rimpi Sarma  
Environmental Chemist  
Test Done By

For Envision Enviro Technologies North East

  
Dr. Pranita Chakraborty  
Quality Manager  
Authorized Signatory

Note: i) The results relate only to the parameters tested.  
ii) The test report shall not be reproduced except in full, without written approval of laboratory  
iii) Parameter no 8 to 11 are analyzed by Department of Chemistry, B. Borooah College.

End of report

Page 1 of 1

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