



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड  
STEEL AUTHORITY OF INDIA LIMITED  
राउरकेला इस्पात संयंत्र  
ROURKELA STEEL PLANT

Ref. No. : 16/H/CMO/1/c/2021/732  
Date : 18/05/2021.

To,

The Dy. Director General of Forests,  
Integrated Regional Office,  
Ministry of Environment & Forests,  
A/3, Chandrasekharapur,  
Bhubaneswar. – 751023.

Sir,


Sub : Implementation Status of Env. Clearance Conditions issued to Ispat post Graduate Institute & Super Specialty Hospital

Ref. : EC vide ref. no. F No. 21-3/2019-IA-III dated 25.02.2019.

We are submitting herewith the point wise compliance report of the stipulated Environmental Clearance conditions with all monitoring data for the period October'2020 to March'2021 pertaining to the construction of Ispat Post Graduate Institute & Super Specialty Hospital at Rourkela under SAIL, RSP. M/s NBCC (India) Ltd. is the executing agency for this project. The soft copy is mailed and also uploaded to the websites of MoEFCC & SAIL.

Thanking you sir,  
With warm regards,

Yours faithfully,  
For and on behalf of SAIL, Rourkela Steel Plant,

  
B.K Hota  
Chief Medical Officer I/C  
Ispat General Hospital  
SAIL, RSP, Rourkela

Chief Medical Officer I/C  
ISPAT GENERAL HOSPITAL  
SAIL, RSP, Rourkela

**Action Plan for Compliance to EC Conditions**  
**Contact Person : Dr. B.K Hota, Director I/c Phone : 0661-2642703 ; 8895504900**  
**(Oct'2020 – March'2021)**

**A. Important Environment Clearance Conditions & Actions required :**

<b>EC Condition No.</b>	<b>EC Condition</b>	<b>Implementation Status of Action Plan</b>
2(vii)	Rooftop rainwater of buildings will be collected in 4 RWH tanks of total 43.52 KLD capacity for harvesting after filtration.	<b>4 nos. of RWH pits have been provided in the project.</b>
I(vi)	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.	<ul style="list-style-type: none"> <li>• <b>Approval for storage of diesel from Chief Controller of Explosive has been obtained.</b></li> <li>• <b>Fire clearance from State Fire Department has been obtained.</b></li> <li>• <b>Height clearance from Civil Aviation Deptt. has been obtained.</b></li> </ul>
II(i)	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.	<b>Dust Mitigation measures have been followed as per submitted EMP (Environment Management Plan) by Water sprinklers for dust suppression wherever required, however, the construction work has now been over.</b>
II(ii)	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.	<b>Ambient air quality monitoring test covering upwind &amp; downwind directions have been carried out . Results are well within statutory norm.(Reports enclosed)</b>
II(iii)	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.	<b>Ambient air quality monitoring test covering upwind &amp; downwind directions have been carried out . Results are well within statutory norm.(Reports enclosed)</b>
II(iv to xii)	<ul style="list-style-type: none"> <li>• Diesel power generating sets proposed s source of backup power should be of enclosed type and confirm to rules made under the Env. Protection act 1986</li> <li>• Construction site shall be adequately barricaded before construction begins, Dust smoke and other air pollution prevention measures shall be provided for the building as well as the site.</li> <li>• Sand murram loose soil cement stored on site shall be covered adequately so as to prevent dust pollution.</li> <li>• Wet jet shall be provided for grinding and stone cutting</li> <li>• Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.</li> <li>• All construction and demolition debris shall be</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Diesel power generator has not used in the project. Electrical power from own source of SAIL was used at the time of construction.</b></li> <li>• <b>Construction site was fully barricaded in 6M height at the time of construction stage.</b></li> <li>• <b>The same has been implemented at site.</b></li> <li>• <b>The same has been implemented at site.</b></li> <li>• <b>The same has been implemented at site.</b></li> <li>• <b>Being practiced at the construction site.</b></li> </ul>

	<p>stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed.</p> <ul style="list-style-type: none"> <li>The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.</li> <li>The gaseous emission from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.</li> <li>For indoor air quality the ventilation provisions as national Building code of India</li> </ul>	<ul style="list-style-type: none"> <li><b>Diesel power generator has not been used in the project. Electrical power from own source of SAIL was used at the time of construction.</b></li> <li><b>Diesel power generator has not been used in the project. Electrical power from own source of SAIL was used at the time of construction.</b></li> <li><b>Indoor air quality the ventilation for building has been designed as per NBC only.</b></li> </ul>
III(iv)	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.	<b>Metering system has been provided in the water circuit including in Rain Water Harvesting System. The data will be recorded and reported to MoEFCC once in 6 months.</b>
III(vi – x)		<b>All the points have been implemented in the project as per design.</b>
III (xi)	As proposed 11 nos. of rain water harvesting recharge pits shall be provided for rain water harvesting after filtration as per CGWB guidelines.	<b>All have been executed.</b>
III(xii - xvi)	<ul style="list-style-type: none"> <li>Rain water harvesting plan needs to be designed</li> <li>All recharge should be limited to shallow aquifer</li> <li>No ground water shall be used during construction phase of the project</li> <li>A ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter.</li> <li>The quantity of fresh water usage water recycling and rain water harvesting shall be measured and recorded to monitor the water balance as projected by project proponent.</li> </ul>	<b>All points have been implemented in the project.</b>
III (xvii)	Sewage shall be treated in the STP based on MBBR Technology with tertiary treatment i.e. Ultra Filtration. The treated effluent from STP shall be recycled/re-used for flushing, gardening and HVAC. Excess treated water shall be discharged to municipal drain.	<b>STP of 200 KLD based on MBBR technology have been executed at the project.</b>
III (xix)	The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation.	<b>The installation of STP has been certified by an independent expert and the report has been submitted to Ministry.</b>
III (xxii)	The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated	<b>A third party study will be submitted in due course for STP and ETP.</b>

	water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet se is using recycled treated waters.	
IV (i to iii)	<b>Noise monitoring &amp; Prevention</b>	<b>Regular noise monitoring Twice per day in 13 locations in the project site has been carried out. Reports are enclosed.</b>
V (i to iv)	<b>Energy conservation measures</b> <ul style="list-style-type: none"> <li>Compliance with the Energy Conservation Building Code of Bureau of Energy Efficiency shall be ensured.</li> <li>Outdoor and common area lighting shall be LED</li> <li>Concept passive solar design that minimize energy consumption in building shall be incorporated in the building design.</li> </ul>	<b>The work has been executed as per the requirement.</b>
V (v)	Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher	<b>A solar Power plant of capacity of 30 KVA which is 1 % of Electricity consumed has been installed.</b>
V (vi)	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible/	<b>25 % of the hot water demand will be generated by using solar power.</b>
VI (i to xi)	<b>Waste management</b> <ul style="list-style-type: none"> <li>Provision of organic waste compost/vermin compost/organic waste converter.</li> <li>Fly Ash bricks, hollow bricks &amp; other environment friendly materials are to be used at least 20% of total requirement.</li> <li>Only Fly Ash bricks are to be used for construction.</li> </ul>	<ul style="list-style-type: none"> <li><b>Provision of organic waste composter has been installed in the project.</b></li> <li><b>Eco friendly materials like AAC block, Mineral fiber tile, PPC cement, Granite stone etc. have been used in the construction of project.</b></li> </ul>
VII	<b>Green cover</b> <ul style="list-style-type: none"> <li>Total green cover to be developed - 14,209.51 sqm (29% of total plot area).</li> <li>10 Trees are to be planted against each tree cut.</li> </ul>	<ul style="list-style-type: none"> <li><b>Complied.</b></li> <li><b>At present 1600 Trees have been planted in the Campus of IGH and near to the project on road side.</b></li> </ul>
VIII	<b>Transport</b> <ul style="list-style-type: none"> <li>Vehicles hired for bringing construction material to the site should be in good condition.</li> <li>Traffic management Plan as submitted shall be implemented in letter and spirit.</li> </ul>	<ul style="list-style-type: none"> <li><b>All the points have been strictly followed.</b></li> </ul>
IX (i)	All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.	<ul style="list-style-type: none"> <li><b>PPE s are provided to all the workers and are used by them during construction, loading unloading activity.</b></li> </ul>
IX (iii)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HI RA) and Disaster Management Plan shall be implemented.	<ul style="list-style-type: none"> <li><b>Emergency prepared plan has been prepared and has been implemented.</b></li> </ul>

IX(iv to vi)	<ul style="list-style-type: none"> <li>Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets mobile STP, safe drinking water, medical health care crèche etc. The housing may be in the form of temporary structure to be removed after completion of the project.</li> <li>Occupational health surveillance of the workers shall be done on regular basis.</li> <li>A first aid room shall be provided in the project both during construction and operation of the project</li> </ul>	<ul style="list-style-type: none"> <li><b>All the points have been addressed.</b></li> </ul>
X (i)	<p>Corporate Environment Responsibility: As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May 2018, and proposed by the project proponent, an amount of Rs. 4.422 Crore@1.50% of project Cost shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as training centre for woman-sewing stitching etc, drinking water facility Dispensary and other medical facilities, education and sport and sanitation etc. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.</p>	<ul style="list-style-type: none"> <li><b>CER (Corporate Environment Responsibility) works have been identified and the same have been executed to meet the requirement.</b></li> <li><b>Details of CER activities:-</b> <ol style="list-style-type: none"> <li><b>1. Training to local girl/ boys for Sewing/ Stitching.</b></li> <li><b>2. Drinking water facilities in peripheral villages by providing bore wells by Solar driven pumps.</b></li> <li><b>3. Training on Horticulture, Land scalping, rain water to local girls and boys &amp; Nature Interpretation Centre at IG Park.</b></li> <li><b>4. Toilets block construction at peripheral villagers at 2 locations.</b></li> <li><b>5. Transit House for attendants of patients admitted to hospital from peripheral villages.</b></li> <li><b>6. Modification of Hockey Academy players Hostel</b></li> <li><b>7. Mobile Dispensary Van for benefit of peripheral villages.</b></li> <li><b>8. Renovation/ Modification of buildings of Hostel for Medical Students Hospital.</b></li> <li><b>9. Connecting Road to Super Specialty Hospital for the patients of peripheral villages.</b></li> </ol> </li> </ul>
X(iv)	<p>Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.</p>	<p><b>Copy of EMP is enclosed.</b></p>
XI(i)	<p>The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed</p>	<ul style="list-style-type: none"> <li><b>Paper advt. was done on 06.03.2019.</b></li> </ul>
XI(ii)	<p>The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.</p>	<ul style="list-style-type: none"> <li><b>Complied</b></li> </ul>

XI(iii – v)	<ul style="list-style-type: none"> <li>• The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions including results of monitoring data on their website and update the same on half yearly basis</li> <li>• The project proponent shall submit six monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environmental Forest and Climate Change at Environmental clearance portal</li> <li>• The project proponent shall submit the environmental statement for each financial year in the Form-V to the concerned State pollution control board as prescribed under the Env. Protection Rules, 1986 as amended subsequently and put on the website of the company.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Have been strictly adhered.</b></li> </ul>
XI (vi)	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	<ul style="list-style-type: none"> <li>• <b>Will be strictly adhered</b></li> </ul>
XI(xiii)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	<ul style="list-style-type: none"> <li>• <b>Will be strictly adhered</b></li> </ul>



# Cleenviron Private Limited

OPCB Empanelled Consultant and Engineers in Environmental Pollution Control & Monitoring with Laboratory Facility.

## TEST REPORT FOR AMBIENT AIR QUALITY MONITORING

FORMAT NO: CPL/FM/41

REPORT NO: CPL/R/AAQ/JAN-14/21

REPORT ISSUE DATE: 18.01.2021

SAMPLE DRAWN BY CLEENVIRON PRIVATE LIMITED

Name of the Customer : **M/s URC CONSTRUCTION PRIVATE LIMITED**  
 Address of the Customer : C/o: NBCC - SAIL, Ispat Post Graduate Medical Institute & Super Speciality Hospital,  
 Sector - 19, Rourkela - 769005, Odisha.  
 Sampling Method : IS: 5182

Environmental Conditions During Monitoring	:	Min Temp.: 23.1°C	Max Temp.: 31.6°C	Min RH: 72%	Max RH: 89%
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Sample ID No	:	CPL/AAQ/JAN-14/432
Station No	:	A1
Date of Sampling	:	11.01.2021 - 12.01.2021
Sampling Period	:	0820 - 0820 Hrs
Time of Sampling	:	24.00 Hrs
Sample Received on	:	12.01.2021
Date of Test	:	12.01.2021 - 13.01.2021

Sl No	Station No	Location of Sampling	Parameters					
			PM2.5	PM10	SO <sub>2</sub>	NO <sub>2</sub>	NH <sub>3</sub>	O <sub>3</sub>
Units →			µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Method of Analysis →			CPL/SOP/01/PM2.5, Issue No: 02, dtd: 23.10.2017	EN 12341, 1998 Low Volume Sampler	IS:5182 (Part – 2) 2001, RA 2017	IS: 5182 (Part – 6) 2006, RA 2017	CPL/SOP/01/NH <sub>3</sub> , Issue No: 02, dtd: 23.10.2017	CPL/SOP/01/O <sub>3</sub> , Issue No: 02, dtd: 23.10.2017
1.	A1	SERVICE BLOCK (UP WIND OF PROJECT)	26	78	10	34	186	32
National Ambient Air Quality Standards, CPCB Notification New Delhi, 18 <sup>th</sup> November, 2009 for Industrial, Residential, Rural & Urban Area			60 (24 Hours Average)	100 (24 Hours Average)	80 (24 Hours Average)	80 (24 Hours Average)	400 (24 Hours Average)	180 (1 Hour Average)



Authorized Signatory  
 Subhanga Praharaj  
 Managing Director/QM

\*\*\*\*\*END OF TEST REPORT\*\*\*\*\*

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 Branch Office & Laboratory: D/124, KOELNAGAR, ROURKELA - 769014, Dist: SUNDARGARH, ODISHA  
 Tele Fax: 0661 - 2475746, email: cleenviron@gmail.com



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## TEST REPORT FOR AMBIENT AIR QUALITY MONITORING

FORMAT NO: CPL/FM/41

REPORT NO: CPL/R/AAQ/JAN-14/22

REPORT ISSUE DATE: 18.01.2021

SAMPLE DRAWN BY CLEENVIRON PRIVATE LIMITED

Name of the Customer : **M/s URC CONSTRUCTION PRIVATE LIMITED**  
 Address of the Customer : C/o: NBCC - SAIL, Ispat Post Graduate Medical Institute & Super Speciality Hospital, Sector - 19, Rourkela - 769005, Odisha.  
 Sampling Method : IS: 5182

Environmental Conditions During Monitoring	:	Min Temp.: 23.1°C	Max Temp.: 31.6°C	Min RH: 72%	Max RH: 89%
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Sample ID No	:	CPL/AAQ/JAN-14/432
Station No	:	A1
Date of Sampling	:	11.01.2021 – 12.01.2021
Sampling Period	:	0820 – 0820 Hrs
Time of Sampling	:	24.00 Hrs
Sample Received on	:	12.01.2021
Date of Test	:	12.01.2021 – 14.01.2021

Sl No	Station No	Location of Sampling	Parameters					
			CO	Benzene	Benzo(a) Pyrene	Pb	Ni	As
			mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
Units								
Method of Analysis			Electro-chemical Sensor	IS : 5182 (Part – 11) 2006, RA 2017	IS : 5182 (Part – 12) 2006, RA 2017	IS: 5182 (Part – 22) 2004, RA 2014	CPL/SOP/01/Ni, Issue No: 02, dtd: 23.10.2017	CPL/SOP/01/As, Issue No: 02, dtd: 23.10.2017
1.	A1	SERVICE BLOCK (UP WIND OF PROJECT)	< 0.1	< 0.5	< 0.1	< 0.4	< 12	< 0.1

National Ambient Air Quality Standards, CPCB Notification New Delhi, 18<sup>th</sup> November, 2009 for Industrial, Residential, Rural & Other Area

Pollutant	Time Weighted Average	Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (Notified by Central Government)
CO	mg/m <sup>3</sup> 1 hour	4	4
Benzene	µg/m <sup>3</sup> Annual	05	05
Pb	µg/m <sup>3</sup> 24 hours	1.0	1.0
Benzo(a)Pyrene	ng/m <sup>3</sup> Annual	01	01
Ni	ng/m <sup>3</sup> Annual	20	20
As	ng/m <sup>3</sup> Annual	06	06



Authorized Signatory  
 Subhanga Praharaj  
 Managing Director/QM

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OPCB Empanelled Consultant and Engineers in Environmental Pollution Control & Monitoring with Laboratory Facility.

## TEST REPORT FOR AMBIENT AIR QUALITY MONITORING

FORMAT NO: CPL/FM/41

REPORT NO: CPL/R/AAQ/JAN-14/23

REPORT ISSUE DATE: 18.01.2021

SAMPLE DRAWN BY CLEENVIRON PRIVATE LIMITED

Name of the Customer : **M/s URC CONSTRUCTION PRIVATE LIMITED**  
 Address of the Customer : C/o: NBCC - SAIL, Ispat Post Graduate Medical Institute & Super Speciality Hospital, Sector - 19, Rourkela - 769005, Odisha.  
 Sampling Method : IS: 5182

Environmental Conditions During Monitoring	:	Min Temp.: 23.1°C	Max Temp.: 31.6°C	Min RH: 72%	Max RH: 89%
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Sample ID No	:	CPL/AAQ/JAN-14/433
Station No	:	A2
Date of Sampling	:	11.01.2021 - 12.01.2021
Sampling Period	:	0905 - 0900 Hrs
Time of Sampling	:	23.55 Hrs
Sample Received on	:	12.01.2021
Date of Test	:	12.01.2021 - 13.01.2021

Sl No	Station No	Location of Sampling	Parameters					
			PM2.5	PM10	SO <sub>2</sub>	NO <sub>2</sub>	NH <sub>3</sub>	O <sub>3</sub>
Units →			µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Method of Analysis →			CPL/SOP/01/PM2.5, Issue No: 02, dtd: 23.10.2017	EN 12341, 1998 Low Volume Sampler	IS:5182 (Part – 2) 2001, RA 2017	IS: 5182 (Part – 6) 2006, RA 2017	CPL/SOP/01/NH <sub>3</sub> , Issue No: 02, dtd: 23.10.2017	CPL/SOP/01/O <sub>3</sub> , Issue No: 02, dtd: 23.10.2017
1.	A2	NEAR H. B. BASEMENT AREA (DOWN WIND OF PROJECT)	32	80	15	48	202	35
National Ambient Air Quality Standards, CPCB Notification New Delhi, 18 <sup>th</sup> November, 2009 for Industrial, Residential, Rural & Urban Area			60 (24 Hours Average)	100 (24 Hours Average)	80 (24 Hours Average)	80 (24 Hours Average)	400 (24 Hours Average)	180 (1 Hour Average)



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 Subhanga Praharaj  
 Managing Director/QM

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## TEST REPORT FOR AMBIENT AIR QUALITY MONITORING

FORMAT NO: CPL/FM/41

REPORT NO: CPL/R/AAQ/JAN-14/24

REPORT ISSUE DATE: 18.01.2021

SAMPLE DRAWN BY CLEENVIRON PRIVATE LIMITED

Name of the Customer : **M/s URC CONSTRUCTION PRIVATE LIMITED**  
Address of the Customer : C/o: NBCC - SAIL, Ispat Post Graduate Medical Institute & Super Speciality Hospital, Sector - 19, Rourkela - 769005, Odisha.  
Sampling Method : IS: 5182

Environmental Conditions During Monitoring : Min Temp.: 23.1°C Max Temp.: 31.6°C Min RH: 72% Max RH: 89%

Sample ID No	:	CPL/AAQ/JAN-14/433
Station No	:	A2
Date of Sampling	:	11.01.2021 - 12.01.2021
Sampling Period	:	0905 - 0900 Hrs
Time of Sampling	:	23.55 Hrs
Sample Received on	:	12.01.2021
Date of Test	:	12.01.2021 - 14.01.2021

Sl No	Station No	Location of Sampling	Parameters					
			CO	Benzene	Benzo(a) Pyrene	Pb	Ni	As
Units →			mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
Method of Analysis →			Electro-chemical Sensor	IS : 5182 (Part – 11) 2006, RA 2017	IS : 5182 (Part – 12) 2006, RA 2017	IS:5182 (Part – 22) 2004, RA 2014	CPU/SOP/01/Ni, Issue No: 02, dtd:23.10.2017	CPU/SOP/01/As, Issue No: 02, dtd:23.10.2017
1.	A2	NEAR H. B. BASEMENT AREA (DOWN WIND OF PROJECT)	< 0.1	< 0.5	< 0.1	< 0.4	< 12	< 0.1

National Ambient Air Quality Standards, CPCB Notification New Delhi, 18<sup>th</sup> November, 2009 for Industrial, Residential, Rural & Other Area

Pollutant	Time Weighted Average	Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (Notified by Central Government)
CO	mg/m <sup>3</sup> 1 hour	4	4
Benzene	µg/m <sup>3</sup> Annual	05	05
Pb	µg/m <sup>3</sup> 24 hours	1.0	1.0
Benzo(a)Pyrene	ng/m <sup>3</sup> Annual	01	01
Ni	ng/m <sup>3</sup> Annual	20	20
As	ng/m <sup>3</sup> Annual	06	06



Authorized Signatory  
Subhanga Praharaj  
Managing Director/QM

\*\*\*\*\*END OF TEST REPORT\*\*\*\*\*  
Page 1 of 1

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Registered Office:

D/318, KOELNAGAR, ROURKELA - 769014, Dist: SUNDARGARH, ODISHA

Branch Office & Laboratory:

D/124, KOELNAGAR, ROURKELA - 769014, Dist: SUNDARGARH, ODISHA

Tele Fax: 0661 - 2475746, email: cleenviron@gmail.com



# Cleenviron Private Limited

OPCB Empanelled Consultant and Engineers in Environmental Pollution Control & Monitoring with NABL Accredited Laboratory. Certificate No: TC - 6816



## TEST REPORT FOR AMBIENT AIR QUALITY MONITORING

FORMAT NO: CPL/FM/57

REPORT NO: CPL/R/AAQ/MAR-19/55

REPORT ISSUE DATE: 26.03.2021

SAMPLE DRAWN BY CLEENVIRON PRIVATE LIMITED

Name of the Customer : **M/s URC CONSTRUCTION PRIVATE LIMITED**  
Address of the Customer : C/o: NBCC - SAIL, Ispat Post Graduate Medical Institute & Super Speciality Hospital, Sector - 19, Rourkela - 769005, Odisha.  
Sampling Method : IS: 5182

Environmental Conditions During Monitoring : Min Temp.:20.7°C Max Temp.:31.9°C Min RH:56% Max RH:75%

Sample ID No	:	CPL/AAQ/MAR-18/545
Station No	:	A1
Date of Sampling	:	19.03.2021 - 20.03.2021
Sampling Period	:	0814 - 0725 Hrs
Time of Sampling	:	23.51 Hrs
Sample Received on	:	20.03.2021
Date of Test	:	20.03.2021 - 21.03.2021

SI No	Station No	Location of Sampling	Parameters					
			PM2.5	PM10	SO <sub>2</sub>	NO <sub>2</sub>	NH <sub>3</sub>	O <sub>3</sub>
		Units	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
		Method of Analysis	CPL/SOP/01/PM2.5, Issue No: 02, dtd: 23.10.2017	IS:5182 (Part - 23) 2006, RA 2017	IS:5182 (Part - 2) 2001, RA 2017	IS: 5182 (Part - 6) 2006, RA 2017	CPL/SOP/01/NH <sub>3</sub> , Issue No: 02, dtd: 23.10.2017	CPL/SOP/01/O <sub>3</sub> , Issue No: 02, dtd: 23.10.2017
1.	A1	SERVICE BLOCK	23	78	< 3	07	< 20	< 19.6
National Ambient Air Quality Standards, CPCB Notification New Delhi, 18 <sup>th</sup> November, 2009 for Industrial, Residential, Rural & Urban Area			60 (24 Hours Average)	100 (24 Hours Average)	80 (24 Hours Average)	80 (24 Hours Average)	400 (24 Hours Average)	180 (1 Hour Average)

P. Saveni  
Test Done By



Verified By

Authorized Signatory  
Subhanga Praharaj  
Managing Director/QM

\*\*\*\*\*END OF TEST REPORT\*\*\*\*\*

Page 1 of 1

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# Cleenviron Private Limited

OPCB Empanelled Consultant and Engineers in Environmental Pollution Control & Monitoring with Laboratory Facility.

## TEST REPORT FOR AMBIENT AIR QUALITY MONITORING

FORMAT NO: CPL/FM/57

REPORT NO: CPL/RIAQ/MAR-19/56

REPORT ISSUE DATE: 26.03.2021

SAMPLE DRAWN BY CLEENVIRON PRIVATE LIMITED

Name of the Customer : **M/s URC CONSTRUCTION PRIVATE LIMITED**  
Address of the Customer : C/o: NBCC - SAIL, Ispat Post Graduate Medical Institute & Super Speciality Hospital, Sector - 19, Rourkela - 769005, Odisha.  
Sampling Method : IS: 5182

Environmental Conditions During Monitoring : Min Temp.:14.2°C Max Temp.:30.5°C Min RH:46% Max RH:78%

Sample ID No	:	CPL/AAQ/MAR-18/545
Station No	:	A1
Date of Sampling	:	19.03.2021 – 20.03.2021
Sampling Period	:	0814 – 0725 Hrs
Time of Sampling	:	23.51 Hrs
Sample Received on	:	20.03.2021
Date of Test	:	20.03.2021 – 24.03.2021

Sl No	Station No	Location of Sampling	Parameters					
			CO	Benzene	*Benzo(a) Pyrene	Pb	Ni	As
Units			mg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
Method of Analysis			Electro-chemical Sensor	IS : 5182 (Part – 11) 2006, RA 2017	IS : 5182 (Part – 12) 2006, RA 2017	IS:5182 (Part – 22) 2004, RA 2014	CPL/SOP/01/Ni, Issue No: 02, dtd:23.10.2017	CPL/SOP/01/As, Issue No: 02, dtd:23.10.2017
1.	A1	SERVICE BLOCK	< 0.1	< 0.5	< 0.1	< 0.4	< 12	< 0.1

National Ambient Air Quality Standards, CPCB Notification New Delhi, 18<sup>th</sup> November, 2009 for Industrial, Residential, Rural & Other Area

Pollutant	Time Weighted Average	Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (Notified by Central Government)
CO	mg/m <sup>3</sup> 1 hour	4	4
Benzene	µg/m <sup>3</sup> Annual	05	05
Pb	µg/m <sup>3</sup> 24 hours	1.0	1.0
Benzo(a)Pyrene	ng/m <sup>3</sup> Annual	01	01
Ni	ng/m <sup>3</sup> Annual	20	20
As	ng/m <sup>3</sup> Annual	06	06

P. Sarsen  
Test Done By



Verified By

\*\*\*\*\*END OF TEST REPORT\*\*\*\*\*  
Page 1 of 1

Authorized Signatory  
Subhanga Praharaj  
Managing Director/QM

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Registered Office:

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Tele Fax: 0661 - 2475746, email: cleenviron@gmail.com

URC Construction (P) Ltd  
Sound level monitoring

FLR-IMSE-003

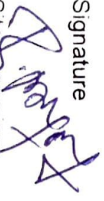
Rev:02 / Aug 16


Project Name: NRECL - ECHH Site

Date: 28.04.2021

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	H Block							
	1st floor	75.1	71.2	69.2	76.9	72.0	68.9	
02.	STP							
	Area	74.3	73.9	68.2	78.1	72.9	61.9	
03.	Service							
	Block	75.1	72.1	68.4	78.1	72.1	68.1	
04.	WTP							
	Area	75.1	71.1	68.1	77.9	71.9	67.8	
05.	MGPS							
	Block	76.1	73.1	70.9	75.9	70.2	67.3	
06.	Admin							
	Block	78.1	74.3	68.1	76.1	73.8	66.8	

Signature   
Site EHS Incharge  
Name: P. Rajeshkumar

Signature   
Site Supervisor  
Name: Mangaykumar.K

Signature   
Project Incharge  
Name: Gemathisankar.

Project Name:

NBC - ICH, Site

Date: 21.04.2021

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	Hospital Block & F	78.9	75.9	68.1	78.9	69.9	65.1	
02.	Admin							
	Block	71.9	68.9	65.1	76.8	70.1	63.4	
03.	STP							
	Area	75.9	73.1	71.2	75.1	68.9	63.0	
04.	D/G							
	Area	78.1	74.2	72.1	76.9	72.4	69.4	
05.	MCHPS							
	Block	73.1	69.1	63.0	78.1	73.1	70.3	
06.	WTF							
	Area	78.9	71.9	68.3	80.1	78.2	63.3	

Signature



Signature



Signature



Site EHS Incharge  
Name: P. Rajalipen

Site supervisor  
Name: S. Natarajan

Project Incharge  
Name: G. Mathilankar

Project Name:

NBCC - I LHM Site

Date: 14.04.2021

Sl No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	Admin	80.7	76.9	69.9	76.8	69.1	62.1	
02.	Block							
	ADG							
	Area	80.9	78.9	71.9	79.5	68.1	65.3	
03.	STP							
	Area	80.1	76.1	75.1	78.9	75.1	70.9	
04.	MGPS							
	Blocks	78.1	64.2	61.2	75.1	67.1	62.1	
05.	WTP							
	Area	79.8	76.8	60.1	75.3	71.9	63.9	
06.	Block							
	4th Floor	80.1	74.6	70.9	79.1	75.4	68.1	

Signature



Site EHS Incharge  
Name: P. Rajeshwari

Signature



Site Supervisor  
Name: Manoj Kumar R

Signature



Project Incharge  
Name: Chennathilankar

## URC Construction (P) Ltd

Sound level monitoring

FLR-IMSE-003

Rev02 / Aug 16

Project Name

NBCC - IGHH Site

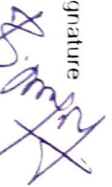
Date: 07.04.2021

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	WTP							
	Block	75.0	72.3	70.3	77.1	69.3	63.1	
02.	STP							
	Area	73.9	71.9	69.8	78.4	73.4	71.5	
03.	WTP							
	Area	77.8	73.1	70.9	76.8	70.1	64.3	
04.	H Block							
	Tussac	76.1	70.1	68.2	71.9	67.1	65.1	
05.	Admin							
	Block	75.1	73.9	67.4	78.9	69.1	62.9	
06.	MGPS							
	Block	71.9	67.8	65.1	78.1	71.9	68.1	

Signature



Signature


Site EHS Incharge  
Name: P. RajeshkumarSite Supervisor  
Name: Manojkumar R


Signature

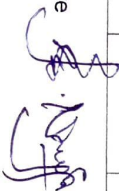

Project Incharge  
Name: Gnanadishankar


Project Name: *NBC- ICH, Site*

Date: *21.03.2021*

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	H.B block							
	1st floor	75.1	71.2	69.2	76.9	72.6	68.9	
02.	STP							
	Area	74.3	73.9	68.2	78.1	72.9	61.9	
03.	service							
	Block	75.1	72.1	68.4	78.1	72.1	68.1	
04.	WTP							
	Area	75.1	71.1	68.1	72.9	71.9	67.8	
05.	MGPS							
	Block	76.1	73.1	70.9	75.9	70.2	67.3	
06.	Admin							
	Block	78.1	74.3	68.1	76.1	73.8	66.8	

Signature   
Site EHS Incharge  
Name: *P. Rajeshkandhi*

Signature   
Site supervisor  
Name: *Natarajan. S*

Signature   
Project Incharge  
Name: *Chennathilankar.*

Project Name: NBCC - TGH Site.

Date: 24.03.2021

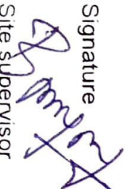
Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	Admin							
	Block	75.1	73.2	68.1	74.9	71.8	69.1	
02.	ESS							
	Block	76.8	72.9	69.3	75.1	73.1	70.1	
03.	H-Block							
	2nd Floor	74.1	68.1	61.2	76.1	64.2	62.1	
04.	WTP							
	Area	76.9	67.1	67.2	75.1	66.2	69.1	
05.	STP							
	Area	78.1	68.1	62.1	76.2	71.9	65.2	
06.	DG							
	Area	74.0	65.1	69.2	75.1	65.2	64.0	

Signature



Site EHS Incharge  
Name: P Rajakumari

Signature



Site Supervisor  
Name: Manoj Kumar . R

Signature



Project Incharge  
Name: Gnanthi Shankar.

## URC Construction (P) Ltd

Sound level monitoring

FLR-IMSE-003  
Rev02 / Aug 16

Project Name: NBCC - IGH.Site

Date: 17.03.2021

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	ESS							
	Block	75.9	74.9	68.1	78.9	69.8	64.1	
02.	Pump							
	Room Area	79.8	74.1	70.1	80.1	76.1	70.8	
03.	Ground floor							
	yard	80.1	74.1	70.1	80.1	78.1	74.1	
04.	STP							
	Area	76.1	74.1	70.1	78.1	74.1	70.1	
05.	WTP							
	Area	78.1	72.1	70.1	79.1	76.1	72.1	
06.	MGPS							
	Block	80.1	78.1	74.1	78.9	73.1	68.1	

Signature

Site EHS Incharge  
Name: P. Rajathandari

Signature

Site Supervisor  
Name: Manojkumar . R



Signature

Project Incharge  
Name: Gnanathilakanar.

Project Name **NREC - ICHM Site**

Date: **10.03.2021**

Sl No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	HB							
	Basement 12/2021	76.9	67.9	65.1	78.9	74.1	70.9	
02.	STP							
	Access	75.9	71.9	67.2	72.9	69.3	68.4	
03.	WTP							
	Access	77.1	74.2	70.1	73.1	68.1	61.2	
04.	Sanitary							
	Block	78.9	74.9	71.9	76.9	71.3	70.9	
05.	MCHPS							
	Block	76.9	72.9	70.3	74.2	71.3	68.2	
06.	Admin							
	Block	78.8	74.3	70.1	76.8	71.4	63.8	

Signature  Signature 

Site EHS Incharge Name: **P. Rajeshkumar** Site Supervisor Name: **Natarajan. S**

Signature 

Project Incharge Name: **Gemathilankar.**

# URC Construction (P) Ltd

Sound level monitoring


FLR-IMSE-003


Rev:02 / Aug 16

Project Name: NREC - Ennathur site

Date: 03.03.2021

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	Admin							
	Block	75.4	73.2	68.1	74.9	71.8	69.1	
02.	ESS							
	Block	76.8	72.9	69.3	75.1	73.1	70.1	
03.	H Block 3rd floor							
		74.1	68.1	61.2	76.1	64.2	62.1	
04.	UTP							
	Area	76.9	67.1	67.2	75.1	66.2	69.1	
05.	STP							
	Area	78.1	68.1	62.1	76.2	71.9	65.2	
06.	D/G							
	Area	74.0	65.1	69.2	75.1	65.2	64.0	

Signature  Site supervisor  
Name: P. Rajeshwari Name: S. Natarajan

Signature  Project Incharge  
Name: S. Natarajan Name: S. Natarajan

Project Name: NBCC - Tenth Site

Date: 24.02.2021

S.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	H Block							
	1st Floor	75.1	71.2	69.2	76.9	72.0	68.8	
02.	STP							
	Area	74.3	73.9	68.2	78.1	72.9	69.9	
03.	Service							
	Block	75.1	72.1	68.4	78.1	72.1	68.1	
04.	WTP							
	Area	75.1	71.1	68.1	77.9	71.9	67.8	
05.	MGPS							
	Block	76.1	73.1	70.9	75.9	70.2	67.3	
06.	Admin							
	Block	78.1	74.3	68.1	76.1	73.8	66.8	

Signature  
A. Rajadurai

Signature  
S. Natarajan

Signature  
G. Ramakrishna

Site EHS Incharge  
Name: A. Rajadurai

Site supervisor  
Name: S. Natarajan

Project Incharge  
Name: G. Ramakrishna


URC Construction (P) Ltd  
Sound level monitoring


FLR-IMSE-003  
Rev02 / Aug 16


Project Name: NBC-ICH, Site

Date: 17.02.2021

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	Ess							
	Block	75.9	74.9	68.1	78.9	69.8	64.1	
02.	Pump							
	Pump area	79.8	74.1	70.1	80.1	76.1	70.8	
03.	Gyranite							
	Yard	80.1	74.9	70.1	80.1	78.1	74.1	
04.	STP							
	Area	76.1	74.1	70.9	78.1	74.1	70.1	
05.	UTP							
	Area	78.1	72.1	70.1	79.9	76.1	72.1	
06.	MGRS							
	Block	80.1	78.1	74.1	78.9	73.1	68.1	

Signature  Site EHS Incharge  
Name: P. Rajeshwari

Signature  Site Supervisor  
Name: S. Natarajan

Signature  Project Incharge  
Name: Chennali Shankar.

## URC Construction (P) Ltd

Sound level monitoring

FLR-IMSE-003

Rev02 / Aug 16

Project Name:

NBCC-IGH, Site

Date:

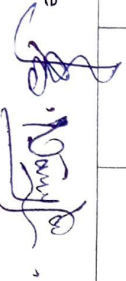
10.02.2021

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	Service Block	71.1	67.9	66.1	74.1	68.1	64.1	
02.	WTP							
	Area	75.0	72.0	70.2	75.1	69.2	68.1	
03.	STP							
	Area	73.9	71.9	69.9	75.4	67.4	60.4	
04.	MGP							
	Area	74.9	71.9	68.4	76.1	68.2	66.9	
05.	H Block							
	3rd floor	75.9	73.1	69.1	76.9	69.8	68.1	
06.	W Block							
	Ground	76.1	70.2	68.2	71.9	68.1	64.5	

Signature



Signature



Signature


Site EHS Incharge  
Name: P. RajeshwariSite Supervisor  
Name: S. NatesanProject Incharge  
Name: G. Maheshwari





URC Construction (P) Ltd  
Sound level monitoring

FLR-IMSE-003  
Rev02 / Aug 16

Project Name: NBCC-IGHH, Site

Date: 03.02.2017

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	ADMIN Block	80.4	76.9	69.1	78.9	69.9	63.1	
02.	D.G Area							
		80.6	78.9	71.9	79.5	64.1	73.1	
03.	MEPPS Block							
		78.1	64.2	61.2	75.1	66.1	64.1	
04.	WTF Area							
		79.9	78.3	60.2	74.9	73.1	68.9	
05.	STP Area							
		80.9	76.1	74.1	79.9	76.1	71.9	
06.	Hospital Block 1st Floor							
		80.1	74.6	70.9	79.1	75.4	69.1	

Signature  Signature 

Site EHS Incharge Name: P. Rajasubramani Site supervisor Name: S. Natarajan


Signature  Project Incharge Name: G. Natarajan

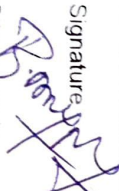
Project Name: NBCC - TGV Site


Date: 24.01.2024

Sound level monitoring

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	WTP							
01.	Area	75.9	67.2	68.8	74.2	69.2	66.0	
02.	Sanitary							
	Block	74.8	67.4	67.0	78.4	66.8	62.1	
03.	MEPs							
	Block	74.9	71.9	68.4	75.1	67.8	67.2	
04.	Hospital							
	Block	74.9	71.0	69.2	71.9	67.1	65.9	
05.	Admin							
	Block	71.9	68.9	62.9	76.4	76.1	67.1	
06.	STP							
	Area	75.0	72.0	74.2	68.9	67.1	60.1	

Signature:   
 Site EHS Incharge  
 Name: P. Rajeshkumar

Signature:   
 Site Supervisor  
 Name: Manoj Kumar

Signature:   
 Project Incharge  
 Name: G. Ramakrishna

Project Name: **ABCC - ICHH Side**Date: **20.01.2021**

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	Hospital	78.1	67.1	61.9	75.1	65.1	64.3	
	Block							
02.	Admission							
	Block	75.2	69.9	65.1	74.4	68.2	67.2	
03.	Service							
	Block	74.4	68.4	67.9	75.4	68.9	67.4	
04.	D.G							
	Area	75.9	67.1	65.4	78.1	67.2	64.2	
05.	WTP							
	Area	75.2	69.9	65.2	74.9	68.2	67.2	
06.	STP							
	Area	78.4	68.2	61.1	80.9	76.9	69.8	

Signature


Site EHS Incharge  
Name: **P. Rajadilipanda**

Signature


Site Supervisor  
Name: **S. Nalagarajan**

Signature


Project Incharge  
Name: **Chennabhishek**

Project Name: **NREC-TGH, Site**

Date: **13.01.2021**

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	Hospital							
	Block (GF)	76.9	74.9	69.0	75.9	69.1	68.1	
02.	Admission Block	71.9	70.1	68.0	74.1	64.1	65.2	
03.	Service Block	71.0	70.9	68.9	76.1	67.0	65.2	
04.	WTP							
	Area	75.0	72.0	70.2	74.2	68.9	67.0	
05.	STP							
	Area	80.2	76.1	64.1	76.9	70.1	68.9	
06.	PD.G							
	Area	75.4	74.2	72.2	74.2	71.4	68.4	

Signature   
Site EHS Incharge  
Name: **P. Rajeshwari**

Signature   
Site Supervisor  
Name: **S. Natarajan**

Signature   
Project Incharge  
Name: **G. Ramakrishna**

Project Name: NREC-ICIT, Site

Date: 06.01.2021

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	Store							
	Area	81.2	76.4	70.9	80.6	75.4	70.2	
02.	Hospital							
	Block	80.9	76.4	72.3	79.6	73.2	72.1	
03.	WTP							
	Area	79.8	74.6	70.6	80.1	70.1	75.4	
04.	Site							
	Office	79.9	75.1	70.4	79.4	74.2	68.9	
05.	STP							
	Area	80.7	74.6	70.9	77.4	72.3	67.9	
06.	Service							
	Block	80.1	74.2	70.2	80.1	76.1	70.1	

Signature

Site EHS Incharge  
Name: P. Rajeshpandi

Signature

Site supervisor  
Name: S. Natarajan

Signature

Project Incharge  
Name: G. M. Sankar

## URC Construction (P) Ltd

Sound level monitoring

FLR-IMSE-003

Rev:02 / Aug 16

Project Name: NRC-TCM, Site

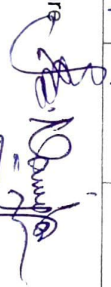
Date: 30.12.2021

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01.	AB Block	75.9	74.9	69.0	75.9	69.9	68.1	
02.	Admin							
	Block	71.9	69.9	68.1	74.1	64.1	62.2	
03.	Store							
	Area	76.0	71.0	69.4	73.9	69.1	61.1	
04.	Sanita							
	Block	71.0	70.9	67.2	74.1	68.0	64.2	
05.	WTP							
	Area	75.0	72.0	70.2	74.2	68.2	67.0	
06.	MGPS							
	Block	74.9	71.9	68.4	75.0	68.2	67.2	
07	WTP							
	Area	72.9	71.0	69.2	71.9	67.1	65.9	

Signature


Site EHS Incharge  
Name: P. Rajeshpandi

Signature


Site supervisor  
Name: S. Natarajan.

Signature


Project Incharge  
Name: Ananthi Shankar.

Project Name: NBCC - IGH Site

Date: 23.01.2024

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01	store							
02	Area Hospital	81.2	76.4	70.9	80.9	75.4	70.2	
	Block	80.2	76.4	72.3	79.6	73.2	70.1	
03	STP							
	Area	80.7	74.6	70.9	77.4	72.3	67.9	
04	Lake							
	Camp	81.9	76.8	72.9	79.9	72.8	67.2	
05	site							
	Office	79.9	75.1	70.4	79.4	74.2	68.9	
06	MGPS							
	Block	80.3	79.1	72.1	81.3	76.1	73.1	

Signature  
Site EHS Incharge  
Name: P. Rajalakshmi


Signature  
Site/supervisor  
Name: Manoj Kumar R

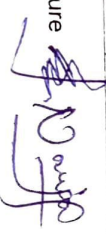
Signature  
Project Incharge  
Name: Hemalishankar


Project Name: **NRCC - IGH, Site**

Date: **16.12.2020**

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01	HB place. BM	69.5	60.5	59.5	60.5	60.5	59.5	
02	area.	70.5	70.1	70.1	71.9	71.2	76.1	
03	SB block.	70.1	71.1	76.1	70.1	60.1	67.1	
04	sub concrete	75.9	72.1	74.1	69.1	66.1	61.2	
05	MGPS.	75.1	73.1	70.1	70.1	70.5	73.1	
06	EP area.	74.1	74.0	70.1	71.1	73.1	71.4	
07	MP.	76.5	73.1	71.1	76.1	73.1	74.2	
08	Admin Block.	73.1	70.1	74.1	70.1	74.1	70.1	
09	SH area	73.9	71.1	69.1	76.5	70.4	60.4	
10	HB 1st floor	74.9	70.1	69.2	71.2	69.2	66.2	
11	HB 2nd							
	Flower	71.4	70.9	69.9	74.0	69.1	65.0	

Signature   
Site EHS Incharge  
Name: **P. Rajesh Pandi**

Signature   
Site supervisor  
Name: **S. Natarajan**

Signature   
Project Incharge  
Name: **Anantwikanth**

# URC Construction (P) Ltd

Sound level monitoring

FLR-IMSE-003

Rev02 / Aug 16

Project Name: *Nca-TH, Raulkela.*

Date: *06-12-2020*

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01	<i>Store</i>							
	<i>Area</i>	<i>81.2</i>	<i>76.4</i>	<i>70.9</i>	<i>80.6</i>	<i>75.4</i>	<i>70.2</i>	
02	<i>Hospital</i>							
	<i>Block</i>	<i>80.9</i>	<i>76.4</i>	<i>72.3</i>	<i>79.6</i>	<i>73.2</i>	<i>70.1</i>	
03	<i>S.T.P</i>							
	<i>Area</i>	<i>80.4</i>	<i>74.6</i>	<i>70.9</i>	<i>77.4</i>	<i>72.2</i>	<i>67.9</i>	
04	<i>Lake</i>							
	<i>Camp</i>	<i>81.9</i>	<i>76.8</i>	<i>72.9</i>	<i>79.9</i>	<i>72.8</i>	<i>67.2</i>	
06	<i>Site</i>							
	<i>Office</i>	<i>79.9</i>	<i>75.1</i>	<i>70.4</i>	<i>79.4</i>	<i>74.9</i>	<i>68.9</i>	
07	<i>STF</i>	<i>80.3</i>	<i>79.1</i>	<i>72.1</i>	<i>81.3</i>	<i>76.1</i>	<i>71.9</i>	

Signature *P. Rajeshpandi*  
Site EHS Incharge  
Name: *P. Rajeshpandi*

Signature *S. Natarajan*  
Site supervisor  
Name: *S. Natarajan*

Signature *Gomathisankar*  
Project Incharge  
Name: *Gomathisankar*

# URC Construction (P) Ltd Sound level monitoring

FLR-IMSE-003  
Rev02 / Aug 16

Project Name: NBCC-ITM, Pouskela.

Date: 05/12/2020

Sl.No	Location	Forenoon			Afternoon			Remarks
		At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	At 1 Meter / Time	At 5 Meter / Time	At 10 meter / Time	
01	HB Block Atrium	71.9	79.9	68.0	74.1	64.1	65.2	
02	Store Area	76.0	71.0	69.4	73.9	69.1	61.1	
03	SB Block	76.0	76.9	67.2	74.1	68.0	61.1	
04	MGP Block	74.9	71.9	68.4	75.9	70.2	67.1	
05	ITF Area	73.9	71.9	69.1	75.4	67.4	60.4	
06	Laboratory Camp	75.9	70.2	67.2	71.2	69.3	67.2	
07	HB 2nd Floor	74.9	71.0	69.2	71.9	67.1	65.9	
08	MTF Area	75.0	72.0	70.2	74.2	68.9	60.4	
09	HB 1st Floor	74.9	71.0	69.2	71.9	69.2	66.2	
10	Plumbing Block	75.9	71.9	69.0	75.9	69.9	65.1	
11	HB 3rd Floor	71.4	70.9	67.9	74.0	69.1	65.0	

Signature  
P. Rajeshpandi  
Site EHS Incharge  
Name: P. Rajeshpandi

Signature  
S. Natarajan  
Site supervisor  
Name: S. Natarajan

Signature  
C. S. Narasimhan  
Project Incharge  
Name: C. S. Narasimhan