

2024

# **SIX-MONTHLY COMPLIANCE REPORT (Period ending 31.03.2024)**

For

## **Guru Nanak Dev Super-Specialty Hospital**

**Village Muradpura, Goindwal Sahib-Tarn Taran  
Road, Tehsil & District Tarn Taran, Punjab.**

**Project by:**

**M/s. Baba Jiwan Singh Baba Dalip Singh  
Educational Trust,  
Goindwal Sahib Road, Tarn Taran, Punjab.**

**Prepared by:**



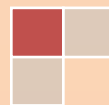
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**Ministry of Environment, Forest & Climate Change**  
**Northern Region Office**  
**Chandigarh-160030**  
**Data sheet**

1.	<b>Project Type</b>	Hospital (Building & Construction project)
2.	<b>Name of the Project</b>	Guru Nanak Dev Super Specialty Hospital
3.	<b>Clearance letter (s) O.M. No. &amp; Date</b>	Environmental Clearance granted by SEIAA, Punjab vide Letter No. SEIAA/2309 dated 25.07.2014 and copy of same is attached along as <b>Annexure 1.</b>
4.	<b>Location</b>	<b>Guru Nanak Dev Super Specialty Hospital</b> Village Muradpura, Goindwal Sahib, Tarn-Taran Road, Tehsil Tarn Taran
a)	District(s)	Tarn Taran
b)	State (s)	Punjab
5.	<b>Address for correspondence</b>	<b>M/s Baba Jiwan Singh Baba Dalip Singh Educational Trust,</b> Goindwal Sahib Road, Tarn-Taran Road, Tehsil & Distt. Tarn Taran, Punjab.
6.	<b>Salient features</b>	
a)	Of the Project	As per the Environment Clearance, the total area of the project is 14,589 sq.m (or 3.605 acres). The built up area of the project is 29,752 sq.m.
b)	Of the environment	As per the Environment Clearance, the total water requirement for the project is 226 KLD which is met through ground water. Total wastewater generation @ 80% is 181 KLD which is treated in STP of capacity 200 KLD installed within project premises. Out of the total 177 KLD of treated wastewater, 9.5 KLD is used for landscaping/horticulture and remaining 167.5 KLD is being discharged into the M.C sewer. The total quantity of solid waste generated is 491 kg/day, which is segregated into biodegradable and non - biodegradable solid waste as per as the Solid Waste Management Rules, 2016. The total load of electricity for the project is 2,525 KW.

7.	<b>Breakup of the Project Area</b>	-						
a)	Submergence area	Not Applicable						
8.	<b>Break up of project affected population with enumeration of those losing houses/dwelling units only, agricultural land only both dwelling units and agricultural land and landless laborers/landless laborers/ artisans.</b>	Not Applicable						
a)	SC/ST/ Adivasis	Not Applicable						
b)	Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures. if a survey has been carried out give details and year of survey)	Not Applicable						
9.	<b>Financial details</b>							
a)	Project cost as originally planned and subsequent revised estimates and the year of price reference.	Rs. 16,006.53 Lakhs						
b)	Allocations made for environmental management please with item wise and year of assessment.	As per EC letter, Rs. 25.6 lakhs will be the allocations made for environment management plan and Rs. 3.50 lakhs will be recurring cost.						
c)	Benefit cost ratio/Internal rate of return and year of assessment.	Cost will be calculated and submitted separately.						
d)	Whether (c) includes the cost of environmental management as shown in (b) above.	Yes						
e)	Actual expenditure incurred on the project so far.	Approx. Rs. 4,273.9104 Lakhs has been spent on the project. Construction of the project has been completed and project is in operational phase.						
f)	Actual expenditure incurred on the environmental management plans so far.	As the project is operational, so capital investment on EMP has been done, only recurring expenditure is being done. Details of recurring expenditure on environment protection measures are given below: <table border="1" data-bbox="781 1705 1425 1879"> <thead> <tr> <th>S. No.</th> <th>Particulars</th> <th>Recurring Cost (in Lakhs)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Sewage Treatment Plant</td> <td>2.5</td> </tr> </tbody> </table>	S. No.	Particulars	Recurring Cost (in Lakhs)	1.	Sewage Treatment Plant	2.5
S. No.	Particulars	Recurring Cost (in Lakhs)						
1.	Sewage Treatment Plant	2.5						

		2.	Solid Waste and Bio-Medical Waste management	1
		3.	Landscaping	1.5
		<b>Total</b>		<b>Rs. 5 lakhs</b>
10.	<b>Forest lands requirement</b>	Not applicable		
a)	The status of approval for diversion of forest land for non-forestry use.	-		
b)	The status of clear felling.	-		
c)	The status of compensatory a forestation programmer in the light of actual field experience so far.	-		
11.	<b>The status of clear felling in non-forest areas (such as submergence area of reservoir, approach road) if any, with quantitative information.</b>	Not applicable		
12.	<b>Status of construction</b>	Project is in operational phase. Photographs of the project are attached along as <b>Annexure 2.</b>		
a)	Date of commencement (actual and/or planned)	28.08.2007		
b)	Date of completion (actual and/or planned)	24.12.2012		
13.	<b>Reasons for the delay if the project is yet to start:</b>	Not Applicable		

## Compliance report of Environmental Clearance for Period ending 31.03.2024

### Part A- Specific conditions

**I. Construction Phase:** Conditions of construction phase are not applicable, as project is operational.

### II. Operation Phase:

S. No	Compliance Conditions	Compliance Reply
i.	The installation of sewage treatment plant (STP) and adequacy of disposal system should be certified by Punjab Pollution Control Board and a report in this regard should be submitted to the Ministry of Environment & Forests/ State Level Environment Impact Assessment Authority before the project is commissioned for operation. The discharge of treated sewage shall conform to the norms and standards prescribed by Punjab Pollution Control Board for such discharges.	STP of capacity 200 KLD has been installed within project premises. STP completion certificate of capacity 200 KLD within the hospital premises is attached as <b>Annexure 2</b> . Parameters of discharge of treated sewage are within the prescribed norms and standards of PPCB. Copy of test reports are attached as <b>Annexure 3</b> .
ii.	The project proponent shall provide electromagnetic flow meter at the outlet of the water supply, outlet of the STP and any pipeline to be used for re-using the treated wastewater back into the system for flushing/ HVAC and for horticulture purpose etc. and shall maintain a record of readings of each such meter on daily basis.	Agreed. Electromagnetic flow meter has been installed at outlet of STP and borewell and records are being maintained on regular basis. However, generation of wastewater is comparatively less depending on the patients walk-in. EMF records of STP outlet is being maintained and is enclosed as <b>Annexure 4</b> .
iii.	Adequate & appropriate pollution control measures should be provided to control fugitive emissions to be emitted within the commercial complex.	Agreed. Appropriate control measures are taken to control/ minimized fugitive emissions due to leakage from any type of machinery/ process facilities. Also, the machinery/ process facilities are regularly examined/ repaired to prevent any type of leakage.
iv.	Adequate treatment facility for drinking water shall be provided, if required.	Agreed. Adequate treatment for drinking water supply has been provided. Photographs showing the same are attached as <b>Annexure 5</b> .

v.	Rainwater harvesting for roof run-off should be implemented. Before recharging the roof run-off, pretreatment must be done to remove suspended matter, oil and grease. However, no run off from gardens/ green area/ roads/ pavements shall be connected with the ground water recharging system.	2 Rain water recharging pits have been provided within project premises.
vi.	The solid waste generated should be properly collected and segregated. The recyclable solid waste shall be sold out to the authorized vendors and inert shall be sent to disposal facility. The Bio-degradable solid waste shall be adequately treated as per the scheme submitted by the project proponent. Prior approval of competent authority should be obtained, if required.	<p>Agreed. Solid waste generated is being properly collected and segregated into recyclable and non-recyclable waste. Recyclable waste is being sold to local recycler and non-recyclable is being dumped to authorized dumping site by taking appropriate measures.</p> <p>Bio-Medical waste is being generated from the project and is being segregated into different coloured code bins as per the Bio Medical Waste Management Rules, 2016 &amp; its amendments.</p> <p>Agreement has been done with M/s Amritsar Envirocare Systems (P) Ltd. (formerly Amritsar Healthcare Systems) for Biomedical Waste; copy of the same is enclosed as <b>Annexure 6(a)</b>. Further, authorization for biomedical waste has been obtained from PPCB; copy of the same is enclosed as <b>Annexure 6(b)</b>.</p> <p>Further, Authorization of Hazardous Waste has been obtained from PPCB. Copy of the same is enclosed as <b>Annexure 6(c)</b>.</p>
vii.	Hazardous waste/ E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.	Agreed. E-waste and hazardous waste are handled and managed as per the rules. Authorization of Hazardous Waste has been obtained from PPCB. Copy of the same is enclosed as <b>Annexure 3(c)</b> .
viii.	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	Agreed. Adequate green area has been provided within the project premises. Photographs of the green area are attached along as <b>Annexure 5</b> .

	open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety.	
ix.	The project proponent should take adequate and appropriate measures to contain the ambient air quality within the prescribed standards. The proposal regarding mitigation measures to be taken at site should be submitted to the Ministry of Environment & Forests/ State Level Environment Impact Assessment Authority within three months.	Agreed. Adequate green area has been provided within the project premises to control air or noise pollution. Further, ambient air quality, noise etc. is being monitored on half yearly basis from NABL accredited laboratory to check the quality of ambient air and other parameters. Test reports of recent monitoring are attached along as <b>Annexure 7</b> .
x.	Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.	Half yearly environmental monitoring is regularly being done. Test reports for the same are attached along as <b>Annexure 7</b> .
xi.	Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating.	Agreed. Solar panels have been installed within project premises at common areas for lighting purposes.
xii.	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.	Parking areas are fully internalized. Entry and Exit point are so designed that there is no traffic congestion.
xiii.	A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about machinery of air conditioning, lifts, lighting, building materials, R & U Factors etc. and submitted to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/SEIAA in three months' time.	Agreed & accepted. All the suitable energy efficient measures are taken i.e. use of CFL lights, LED lights and Solar energy etc. In addition to this energy efficient medical equipments are being used.



xiv.	Environment Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.	Environmental Management Cell consists of following members.		
		<b>Name</b>	<b>Designation</b>	<b>Contact number</b>
		Mr. Sarabjit Singh	Administrator	88720-89100
		Dr. Amrik Singh	Medical Superintendent	88720-89100
		Mr. Hardeep Singh	STP plant (Technician)	88720-89100
Ms. Gurpreet Kaur	ICN (Infection Control Nurse)	88720-89100		

**Part B. General Conditions:**

S. No	Conditions	Reply
i.	This Environmental clearance will be valid for a period of five years from the date of its issue or till the completion of the project, whichever is earlier.	Agreed. Environmental Clearance has been granted vide letter no. SEIAA/2309 dated 25.7.2014 and is valid till 25.07.2024 as per EIA Notification & its amendments.
ii.	The environmental safeguards contained in the application of the promoter/ mentioned during the presentation before State Level Environment Impact Assessment Authority/ State Expert Appraisal Committee should be implemented in letter and spirit.	Environmental Safeguards as prescribed by the Ministry of Environment & Forest is being implemented in true spirit.
iii.	The entire cost of the environmental management plan (i.e. capital cost as well as recurring cost) will continue to be borne by the project proponent until the responsibility of environmental management plan is transferred to the occupier/ residents society under proper MOU after obtaining prior permission of the Punjab Pollution Control Board.	Agreed. Cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of environmental management plan is transferred to the occupier/ residents society.
iv.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC	Agreed. Six-monthly compliance reports are being regularly submitted to Regional Office of MoEF&CC & SEIAA, Punjab.

	conditions including results of monitored data (both in hard copies as well as by mail) to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/ SEIAA.	E-mail screenshot showing submission of previous six monthly compliance report for period ending 30.09.2023 to RO, MoEF&CC is enclosed as <b>Annexure 8(a)</b> .
v.	Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh/ State Level Environment Impact Assessment Authority/ State Level Expert Appraisal Committee/ Punjab Pollution Control Board 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 State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, and Chandigarh/ State Level Environment Impact Assessment Authority.	Agreed. Full cooperation, facilities and data for the implementation of environmental safeguards will be given to statutory bodies during their inspection at project.
vi.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority.	Agreed. No such changes were done so far. However, if changes will be made, then fresh application will be submitted to SEIAA, Punjab.
vii.	Separate distribution pipelines should be laid down for use of treated effluent/raw water for horticulture/ gardening purpose with different color coding.	Agreed. Separated pipelines has been provided within project premises with different colour coding.
viii.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, by project proponents from the other statutory bodies as applicable. The project proponent shall also obtain permission from the NBWL, if applicable.	Agreed. All necessary clearances have been obtained as when & where required. Such as: <ul style="list-style-type: none"> <li>• Authorization for biomedical waste has been obtained from PPCB; copy of the same is enclosed as <b>Annexure 6(b)</b>.</li> <li>• Authorization of hazardous waste obtained from PPCB. copy of the same is enclosed as <b>Annexure 6(c)</b>.</li> </ul>

		<ul style="list-style-type: none"> <li>• Consent to Operate (Air &amp; Water) has been obtained from PPCB. copy of the same is enclosed as <b>Annexure 6(d)</b>.</li> </ul>
ix.	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 Punjab Pollution Control Board. The advertisement should be made within seven days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office, Ministry of Environment & Forest, Chandigarh.	Agreed. Advertisement has been published & copy of the same has already been submitted with previous six monthly reports.
x.	These stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, The Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	Agreed.
xi.	Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project and decisions of any competent court, to the extent applicable.	Agreed.
xii.	The project proponent shall obtain CLU from the competent authority, if any authority persists.	Agreed.
xiii.	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	Agreed. Environment Clearance letter along with previous submitted six monthly compliance reports will be uploaded on the website.

	while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	
xiv.	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; PM <sub>2.5</sub> , PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> , CO, Pb, Ozone (ambient air as well as stack emission) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Agreed. Status of EC conditions along with test reports will be uploaded on the website.
xv.	The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility and shall spend the amount as proposed or atleast minimum required to be spent under the provisions of the Companies Act 1956, whichever is higher.	Agreed. CSR activities are being conducted from time to time. Photographs showing the same are attached as <b>Annexure 9</b> .
xvi.	The State Environment Impact Assessment Authority reserves the right to add additional safeguards/ measures subsequently, if found necessary and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/ measures in a time bound and satisfactory manner.	Agreed.
xvii.	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under section 16 of the National Environment Appellate Act, 2010.	Not applicable as 30 days' time period was over and no appeal was made.



**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB**

Ministry of Environment and Forests, Government of India

O/O Punjab Pollution Control Board,  
Vatavaran Bhawan, Nabha Road,  
Patiala – 147 001  
Telefax:- 0175-2215636

No. SEIAA/ 2309

Dated:25.07.2014

**Registered**

To

M/s Baba Jiwan Singh Baba Dalip Singh Educational Trust,  
Goindwal Sahib Road, Tarn Taran.

**Subject: Environmental clearance under EIA notification dated 14.09.2006 for development of a Hospital namely "Guru Nanak Dev Super-Specialty Hospital" in the revenue estate of Village Muradpura, Goindwal Sahib- Tarn Taran road, Tehsil & Distt Tarn Taran by M/s Baba Jiwan Singh Baba Dalip Singh Educational Trust.**

This has reference to your application for obtaining environmental clearance under EIA notification dated 14.09.2006 for development of a Hospital namely "Guru Nanak Dev Super-Specialty Hospital" in the revenue estate of Village Muradpura, Goindwal Sahib- Tarn Taran road, Tehsil & Distt Tarn Taran and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) for seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, 1-A, conceptual plan and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves development of a Hospital namely "Guru Nanak Dev Super-Specialty Hospital" in the revenue estate of Village Muradpura, Goindwal Sahib- Tarn Taran road, Tehsil & Distt Tarn Taran. The total plot area is 3.605 acres (14589 sqm), having a total built up area of 29752 sqm. The project proponent has obtained CLU from Dept. of Town & Country Planning vide letter no. 3704 dated 04.09.2012. The estimated population of the project is 1977 persons, out of which 477 is residential population and 1500 is floating population.

The water requirement for the project is 226 KLD which is met from ground water. In summer season, the total water requirement is 226 KLD, which is met from fresh groundwater. The total wastewater generation is 181 KLD, which is treated in an STP of capacity 200 KLD installed within the project premises. Out of the total 177 KLD of treated wastewater, 9.5 KLD is used for landscaping/horticulture and remaining 167.5 KLD is being discharged into the M.C. sewer. In winter season, out of the total 177 KLD of treated wastewater, 3.13 KLD is used for landscaping/horticulture and remaining 174.87 KLD is being discharged into the M.C. sewer. In rainy season, out of the total 177 KLD of treated wastewater, 0.8 KLD is used for landscaping/horticulture and remaining 176.2 KLD is being discharged into the M.C. sewer. The project proponent has obtained NOC issued by M.C. Tarn Taran vide no. 173 dated 26.02.2013 regarding the disposal of sewage. The project proponent has submitted an NOC issued by the Executive Officer, Municipal Council for abstraction of ground water. The groundwater is recharged by providing 2 no. rain water harvesting pits to tap roof top water.

The total quantity of MSW has been estimated as 491 Kg/day, which is segregated into biodegradable and non-biodegradable solid waste. The recyclable waste is sold out to the recyclers. The biodegradable organic waste is being dumped in the area earmarked for the same. The project proponent has obtained NOC issued by M.C. Tarn Taran vide no. 198 dated 28.02.2013 regarding the disposal of solid waste. The E-wastes and hazardous wastes are handled and managed as per the rules. The bio-medical waste @ 250 kg/day is generated which is disposed off to CBWTF i.e. M/s Amritsar Envirocare Systems (P) Ltd, Amritsar. The total power requirement is 2525 KW, which is taken from Punjab State Power Corporation Ltd. The project promoter has provided 3 no. DG sets of capacity of 750 KVA each as standby arrangement of power supply. The project proponent has provided parking facility for 664 ECS. Rs. 25.6 lacs are invested for environmental monitoring and Rs.3.50 Lacs will be spent as recurring cost for implementation of Environment Management Plan. Rs. 18 lacs is invested on the activities undertaken under corporate social responsibility. The traffic circulation plan and Disaster/Risk Assessment & Management Plan has been prepared and submitted.

The case was considered by the SEAC in its 69<sup>th</sup> meeting held on 18.04.2013, wherein, the Committee screened the application and deferred the case due to certain clarifications to be sought from Punjab Pollution Control Board. Thereafter, the case was considered by the SEAC in its 75<sup>th</sup> meeting held on 25.09.2013 and the SEAC observed that as per the report sent by Punjab Pollution Control Board vide letter no. 4260 dated 14.08.2013, wherein, mention of legal opinion obtained in the matter had also been made, the built up area of Hospital building is 19235.9 sqm and that of hostel building is 10632 sqm and combined built up area of both the buildings exceeds 20,000 sqm, as such, the project is covered under EIA Notification dated 14.09.2006. The SEAC further observed that as per the report of the Punjab Pollution Control Board, consent to operate has already been granted to both the projects which reflects that construction had already been done at site. As such, the case was required to be dealt as per the procedure mentioned in the Office Memorandum dated 12.12.2012 of the Ministry of Environment & Forests as amended on 27.06.2013 since the promoter company has violated the provisions of EIA Notification dated 14.09.2006 by starting construction of the project without obtaining environmental clearance under the said Notification. Therefore, the SEAC recommended the case to SEIAA for sending the case to the Govt. of Punjab, Department of Science, Technology & Environment for initiating credible action against project proponent /responsible persons /promoter company under the Environment (Protection) Act, 1986 due to start of construction activities without obtaining Environmental Clearance under EIA notification dated 14.09.2006.

The case was considered by the SEIAA in its 52<sup>nd</sup> meeting held on 23.10.2013 and decided to send the case to the Govt. of Punjab, Department of Science, Technology & Environment for initiating action under the Environment (Protection) Act, 1986 due to starting the construction activities of the project without obtaining Environmental Clearance under EIA notification dated 14.09.2006. Accordingly, the case was sent to the Govt. vide letter no. 47424 dated 30.10.2013. Thereafter, the Punjab Pollution Control Board vide letter no. 2163 dated 06.06.2014 informed that a complaint has been filed in the Hon'ble Court of Chief Judicial

Magistrate, Tarn Taran against the project promoter and the persons responsible for violation of the provisions of the EIA Notification dated 14.09.2006.

The case was considered by the SEAC in its 94<sup>th</sup> and 95<sup>th</sup> meeting held on 12.06.2014 and 28.06.2014 respectively, wherein, the SEAC awarded 'Silver Grading' to the project proposal and forwarded the case to the SEIAA with the recommendation to grant environmental clearance to the project proponent subject to conditions in addition to the proposed measures.

The case was considered by the SEIAA in its 66<sup>th</sup> meeting held on 11.07.2014 and the Authority noted that the case stands recommended by SEAC and the Committee awarded 'Silver Grading' to the project proposal. Therefore, the Authority decided to grant environmental clearance for construction of a Hospital namely "Guru Nanak Dev Super-Specialty Hospital" in the revenue estate of Village Muradpura, Goindwal Sahib- Tarn Taran Road, Tehsil & Distt Tarn Taran, subject to the certain conditions in addition to the proposed measures. Accordingly, SEIAA, Punjab hereby accords necessary environmental clearance for the above project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments, subject to strict compliance of terms and conditions as follows:

## **PART A – Specific conditions**

### **I. Construction Phase**

- (i) "Consent to establish" shall be obtained from Punjab Pollution Control Board under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 and a copy of the same shall be submitted to the Ministry of Environment & Forests / State Level Environment Impact Assessment Authority before the start of any construction work at site.
- (ii) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- (iii) A first aid room will be provided in the project both during construction and operation phase of the project.
- (iv) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- (v) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people with the approval of competent authority.



- (vi) Construction spoils, including bituminous material and other hazardous material, must not be allowed to contaminate watercourses and the dump sites for such material must be secured, so that they should not leach into the groundwater.
- (vii) The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should conform to the provisions of Environment (Protection) Act, 1986 prescribed for air and noise emission standards.
- (viii) Vehicles hired for bringing construction material to the site and other machinery to be used during construction should be in good condition and should conform to applicable air and noise emission standards.
- (ix) Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.
- (x) Fly ash should be used as construction material in the construction as per the provisions of Fly Ash Notification of September, 1999 and as amended on August, 2003 (This condition is applicable only if the project is within 100 Km of Thermal Power Station).
- (xi) Ready mixed concrete should be used in building construction as far as possible.
- (xii) Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices.
- (xiii) Separation of drinking water supply and treated sewage supply should be done by the use of different colours.
- (xiv) 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.
- (xv) Adequate steps shall be taken to conserve energy by limiting the use of glass, provision of proper thermal insulation and taking measures as prescribed under the Energy Conservation Building Code.
- (xvi) The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightning.
- (xvii) 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, disposal of waste water & solid waste in an environmentally sound manner, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

## **II. Operation Phase**

- i) The installation of sewage treatment plant (STP) and adequacy of disposal system should be certified by Punjab Pollution Control Board and a report in this regard should be submitted to the Ministry of Environment & Forests/State Level Environment Impact Assessment Authority before the project is commissioned

- for operation. The discharge of treated sewage shall conform to the norms and standards prescribed by Punjab Pollution Control Board for such discharges.
- ii) The project proponent shall provide electromagnetic flow meter at the outlet of the water supply, outlet of the STP and any pipeline to be used for re-using the treated wastewater back into the system for flushing and for horticulture purpose/green etc. and shall maintain a record of readings of each such meter on daily basis.
  - iii) Adequate & appropriate pollution control measures should be provided to control fugitive emissions to be emitted within the complex.
  - iv) Adequate treatment facility for drinking water shall be provided, if required.
  - v) Rainwater harvesting for roof run-off should be implemented. Before recharging the roof run-off, pretreatment must be done to remove suspended matter, oil and grease. However, no run off from gardens/green area/roads/pavements shall be connected with the ground water recharging system. Also, the first rainwater will not be harvested and the provisions for discharging the same directly into the storm sewer shall be made by the project proponent.
  - vi) The solid waste generated should be properly collected and segregated. The recyclable solid waste shall be sold out to the authorized vendors and inerts shall be sent to disposal facility. The Bio-degradable solid waste shall be adequately treated as per the scheme submitted by the project proponent. Prior approval of competent authority should be obtained, if required.
  - vii) Hazardous waste/E-waste should be disposed off as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.
  - viii) The green belt 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 species/variety.
  - ix) The project proponent should take adequate and appropriate measures to contain the ambient air quality within the prescribed standards. The proposal regarding mitigation measures to be taken at site should be submitted to the Ministry of Environment & Forests/ State Level Environment Impact Assessment Authority within three months.
  - x) Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.
  - xi) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating.
  - xii) 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.

- xiii) A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about machinery of air conditioning, lifts, lighting, building materials, R & U Factors etc. and submitted to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/SEIAA in three months time.
- xiv) Environmental Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.

**PART B – General Conditions :**

- i) This environmental clearance will be valid for a period of five years from the date of its issue or till the completion of the project, whichever is earlier.
- ii) The environmental safeguards contained in the application of the promoter / mentioned during the presentation before State Level Environment Impact Assessment Authority/State Expert Appraisal Committee should be implemented in letter and spirit.
- iii) The entire cost of the environmental management plan (i.e. capital cost as well as recurring cost) will continue to be borne by the project proponent until the responsibility of environmental management plan is transferred to the occupier/residents society under proper MOU after obtaining prior permission of the Punjab Pollution Control Board.
- iv) 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 mail) to the respective Regional office of MoEF, the Zonal Office of CPCB and the SPCB/SEIAA.
- v) Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh / State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee / Punjab Pollution Control Board 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 State Environment Impact Assessment Authority should be forwarded to the CCF, Regional Office of Ministry of Environment & Forests, Chandigarh/State Level Environment Impact Assessment Authority.
- vi) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by State Environment Impact Assessment Authority.
- vii) Separate distribution pipelines be laid down for use of treated effluent / raw water for horticultural/gardening purposes with different colour coding.
- viii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, by project proponents from the competent authorities including Punjab

Pollution Control Board and from other statutory bodies as applicable. The project proponent shall also obtain permission from the NBWL, if applicable.

- ix) 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 Punjab Pollution Control Board. The advertisement should be made within seven days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office, Ministry of Environment & Forests, Chandigarh.
- x) These stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
- xi) Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project and decisions of any competent court, to the extent applicable.
- xii) The project proponent shall comply with the conditions imposed in the Change of land use issued by the Competent Authority.
- xiii) 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.
- xiv) 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; PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, Pb, Ozone (ambient air as well as stack emissions) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xv) The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility and shall spend the amount as proposed or atleast minimum required to be spent under the provisions of the Companies Act 1956, whichever is higher.
- xvi) The State Environment Impact Assessment Authority reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/ measures in a time bound and satisfactory manner.

- xvii) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**Member Secretary (SEIAA)**

**REGISTERED**

**Endst. No.** \_\_\_\_\_ **Dated** \_\_\_\_\_

A copy of the above is forwarded to the following for information & further necessary action please.

1. The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-office Complex, East Arjun Nagar, New Delhi.
3. The Member Secretary, Punjab State Power Corporation Ltd., Amritsar.
4. The Deputy Commissioner, Amritsar.
5. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
6. The Chief Conservator of Forests (North), Ministry of Environment and Forest, Regional Office, Bays No.24-25, Sector-31-A, Chandigarh.
7. The Chief Town Planner, Pb., Department of Town & Country Planning, 6<sup>th</sup> Floor, PUDA Bhawan, Phase-8, Mohali
8. Monitoring Cell, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
9. The Director (Environment), Ministry of Environment and Forest, Northern Regional Office, Bays No.24-25, Sector-31-A, Chandigarh. The detail of the project proponent is as under:

a)	Name of the applicant	Sh. Bhajan Singh
b)	Telephone Number	09463053838
c)	E-mail	-----
10. The Environmental Engineer (Computers), Punjab Pollution Control Board, Head Office, Patiala for displaying the environmental clearance on the web site of the State Level Environment Impact Assessment Authority.
11. The Executive Engineer, PUDA, Amritsar

**Member Secretary (SEIAA)**

**Paras Hydrotech Pvt. Ltd.**

Quiet Office No. 5, 2nd Floor, Cabin No. 12  
Sector 35-A, Chandigarh-160035  
Ph. : 0172-6535391 Fax: 0172-3013391  
(M) : 9814000391, 9888000391  
E-mail : info@parashydrotech.com



Ref. No: PHPL/175/11-12

Dated: February 4, 2013

**To Whom It May Concern:**

We have installed STP capacity 200m<sup>3</sup>/day at Guru Nanak Super Specialty Hospital, Tarn Taran, Punjab. It has been Erected and Commissioned on Dec, 20, 2012.

Hope the above is in line with your requirements.

Thanking you,

Sincerely yours,

**For Paras Hydrotech (P) Ltd.,**

**For Paras Hydrotech (P) Ltd.**

*Haut*  
**Authorised Signatory**

**(Authorized Signatory)**



GOVT. APPROVED TESTING LABORATORY

## REPORT OF ANALYSIS

Issued To	GURU NANK DEV SUPER SPECIALITY HOSPITAL GOINDWAL, SAHIB ROAD, TARN TARAN SAHIB, PUNJAB-143401 Punjab	Report No	ENV-030524002
		Date of sample Received	03/05/2024
Nature of the Sample	OUTLET WATER	Test Started On	03/05/2024
Sample Code	NA	Test Completed on	10/05/2024
Customer Ref. No	Nil	Date of Report Issued	10/05/2024

### SAMPLING & ANALYSIS DATA

Sample Drawn By	: Lab Representative
Date Of Sampling	: 02/05/2024
Sampling Location	: NS
Sampling Co-Ordinates	: NA
Sample Quantity	: 2 Ltr + 500 ml
Sample packing Details	: Plastic Bottle & Glass Bottle
Sampling Plan & Method	: IS: 17614 (P-3)
Environmental Conditions	: Normal

### TEST RESULTS

S.No.	Test Parameters	Units	Results	Limits	Method
1	pH	-	7.72	7.0 to 9.0	IS : 3025 (P-11)
2	Total Suspended Solids (as TSS)	mg/l	6.9	<10	IS : 3025 (P-17):2022
3	Oil & Grease	mg/l	<5	<5	IS : 3025 (P-39)
4	Biochemical Oxygen Demand(for 3 days at 27 °C) (as BOD)	mg/l	6.2	<10	IS : 3025 (P-44)
5	Chemical Oxygen Demand (as COD)	mg/l	40.0	<50	IS : 3025 (P-58):2023

**Remarks :** Note :- Party asked for the above tests only.

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

Analyst



Authorized Signatory

VINAY KUMAR



# SHREE KRISHNA ANALYTICAL SERVICES PVT. LTD.

(An ISO 9001 : 2015, ISO 14001 : 2015 & ISO 45001 : 2018 Certified & MoEFCC Recognised Laboratory)

A-5/4, Mayapuri Industrial Area, Phase-II, New Delhi-110064, Ph. : 011-28115459, 41848475, 9654958120

E-mail : shreekrishnalab@gmail.com, info@skaslab.com, Web. : www.skaslab.com

GOVT. APPROVED TESTING LABORATORY

## REPORT OF ANALYSIS

Issued To	GURU NANK DEV SUPER SPECIALITY HOSPITAL GOINDWAL, SAHIB ROAD, TARN TARAN SAHIB, PUNJAB-143401 Punjab	Report No	ENV-030524002
		Date of sample Received	03/05/2024
Nature of the Sample	OUTLET WATER	Test Started On	03/05/2024
Sample Code	NA	Test Completed on	10/05/2024
Customer Ref. No	Nil	Date of Report Issued	10/05/2024

### SAMPLING & ANALYSIS DATA

Sample Drawn By	: Lab Representative
Date Of Sampling	: 02/05/2024
Sampling Location	: NS
Sampling Co-Ordinates	: NA
Sample Quantity	: 2 Ltr + 500 ml
Sample packing Details	: Plastic Bottle & Glass Bottle
Sampling Plan & Method	: IS: 17614 (P-3)
Environmental Conditions	: Normal

### TEST RESULTS

S.No.	Test Parameters	Units	Results	Limits	Method
1	Fecal Coliform	MPN/100 ml	120	<230	IS:1622:1981

Remarks : Note :- Party asked for the above tests only.

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

Analyst



Authorized Signatory

RANJEET

1. The results listed refer only to tested samples and applicable parameters. Endorsement of product is neither inferred nor implied.
2. Test Certificate in full or parts shall not be used for Promotional or Publicity Purposes & cannot be used as an evidence in the court of law.
3. Test Certificate in full or parts shall not be reproduced, without permission of director.
4. Sample will be destroyed after one month from the date of issue of test certificate unless otherwise specified.
5. Total Liability of our Analytical Division is Limited to the invoiced amount.
6. Sample (s) not drawn by us unless other wise stated.



## TEST REPORT



ULR No. : TC1181824000003805F		Test Report No. : NN0M220424NA014	
Type of Sample : Noise- Ambient Air			
Customer Name	Guru Nanak Dev Super Speciality Hospital	Work Order No. & Date	Email Confirmation DT:16.04.2024
Address	M/s Baba Jiwan Singh Baba Dalip Singh Educational Trust,Vill.Muradpura,Goindwal Sahib,Tarn Taran(Road) Tehsil Tarn Taran,(Punjab)	Customer reference No. (If any)	NA
		Date of Sampling	20/04/2024
Sampling Protocol	IS 9989, EL-MSP-7.3	Date of Sample Receipt	22/04/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	22/04/2024 To 22/04/2024
Testing Location	On Site & Permanent Facility	Date of Reporting	25/04/2024
Sampling Location	Project Site^		
Standard/Specification	Noise- Ambient Air: EPA 1986 Schedule III		
Environment conditions	--		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Ambient Noise Levels)

S.No.	Location^	Units	Result (Day)	Detection Limit	Test Method
1	Near Assembly Area	dB(A)	47.6	30	EL/SOP/AN/01

#### Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing

Remarks : NA

### OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*



Authorized Signatory-Chemical

## TEST REPORT



<b>ULR No. :</b> TC1181824000003787F		<b>Test Report No. :</b> NAIM220424NA013	
<b>Type of Sample :</b> Ambient Air		<b>Date of Reporting :</b> 25/04/2024	
<b>Customer</b>	Guru Nanak Dev Super Speciality Hospital M/s Baba Jiwan Singh Baba Dalip Singh Educational Trust, Vill. Muradpura, Goindwal Sahib, Tarn Taran (Road) Tehsil Tarn Taran, (Punjab)	<b>Work Order No. &amp; Date</b>	Email Confirmation DT:16.04.2024
		<b>Customer reference No. (If any)</b>	NA
<b>Sampling Protocol</b>	IS 5182, EL-MSP-7.3	<b>Mode of Collection of Sample</b>	Mr. Deepak (Eco Rep.)
<b>Date of Sampling</b>	20/04/2024 To 21/04/2024	<b>Date of Receipt of Sample</b>	22/04/2024
<b>Sampling Location</b>	Project Site (Park Near Main Gate)	<b>Period of Analysis</b>	22/04/2024 To 25/04/2024
<b>Standard/ Specification</b>	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	<b>Environmental Conditions</b>	Clear sky
<b>Testing Location</b>	On Site & Permanent Facility		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Respirable Suspended Particulate Matter as PM10	µg/m <sup>3</sup>	81	100	5	IS 5182 (Part 23)
2	Particulate Matter as PM2.5	µg/m <sup>3</sup>	44	60	5	IS 5182 (Part 24)
3	Sulphur Dioxide as SO <sub>2</sub>	µg/m <sup>3</sup>	9	80	5	IS 5182 (Part 2)
4	Oxides of Nitrogen	µg/m <sup>3</sup>	23	80	7	IS 5182 (Part 6)
5	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	18	400	5	IS 5182 (Part 25)
6	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	30	180	5	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m <sup>3</sup>	0.57	4	0.1	IS 5182 (Part 10) NDIR method

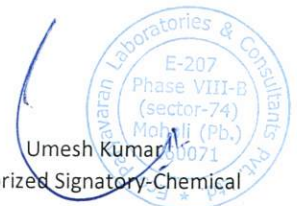
Remarks : NA

#### OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*



## TEST REPORT



ULR No. : TC118182400003810F		Test Report No. : NS0M220424NA012	
Type of Sample : Soil			
Customer Name	Guru Nanak Dev Super Speciality Hospital	Work Order No. & Date	Email Confirmation DT:16.04.2024
Address	M/s Baba Jiwan Singh Baba Dalip Singh Educational Trust, Vill. Muradpura, Goindwal Sahib, Tarn Taran (Road) Tehsil Tarn Taran, (Punjab)	Customer reference No. (If any)	NA
		Date of Sampling	20/04/2024
Sampling Protocol	USEPA/600/R-92/128, EL-MSP-7.3	Date of Sample Receipt	22/04/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	22/04/2024 To 25/04/2024
Testing Location	Permanent Facility	Date of Reporting	25/04/2024
Sampling Location	Park Near Main Gate (Project Site)		
Sample Description	Brown coloured soil.		
Standard/Specification	Soil Manual- Dept. of Agriculture (GoI); 2011		
Packing, Markings, Seal & Qty.	5 Kg Poly Bag Marked D/20/S1		

## RESULTS

### I. Chemical Testing

#### 1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Conductivity	mS/cm	0.315	0.01	IS 14767
2	Organic Matter	%	1.64	0.1	IS 2720 (Part 22) Sec 1
3	pH	-	7.68	0.5	IS 2720 (Part 26) Cl 2
4	Texture	-	Sandy Loam	-	IS 2720 (Part 4) Cl 2.4
5	Moisture Content	%	8.2	0.1	IS 2720 (Part 2), Sec-1
6	Bulk Density	gm/cc	1.61	1	IS 2720 (Part 7)

Remarks : NA

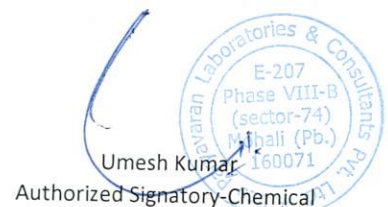
### OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*

Umesh Kumar  
Authorized Signatory-Chemical



## TEST REPORT



ULR No. : TC118182400003820F		Test Report No. : NWAM220424NA011	
Type of Sample : Water- Ground Water			
Customer Name	Guru Nanak Dev Super Speciality Hospital	Work Order No. & Date	Email Confirmation DT:16.04.2024
Address	M/s Baba Jiwan Singh Baba Dalip Singh Educational Trust,Vill.Muradpura,Goindwal Sahib,Tarn Taran(Road) Tehsil Tarn Taran,(Punjab)	Customer reference No. (If any)	NA
		Date of Sampling	20/04/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	22/04/2024
Sample Collection Mode	Mr. Deepak (Eco Rep.)	Period of Analysis	22/04/2024 To 25/04/2024
Testing Location	Permanent Facility	Date of Reporting	25/04/2024
Sampling Location	Borewell No.1 (Project Site)		
Sample Description	Clear, colourless liquid		
Standard/Specification	NA		
Packing, Markings, Seal & Qty.	PE Bottle-1 litre (D/20/1A),Glass Bottle-1litre (D/20/1B),Glass Bottle- 500ml (D/20/1C) & PE Bottle-500ml (D/20/1D)		

## RESULTS

### I. Chemical Testing

#### 1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Colour	CU	BDL	1	IS 3025 (Part 4) Cl 2.0
2	Odour	-	Agreeable	-	IS 3025 (Part 5)
3	pH @ 25 °C	-	7.42	0.5	IS 3025 (Part 11)
4	Taste	-	Agreeable	-	IS 3025 (Part 8)
5	Turbidity	NTU	BDL	0.1	IS 3025 (Part 10)
6	Chloride as Cl	mg/l	25	1	IS 3025 (Part 32)
7	Iron as Fe	mg/l	0.023	0.001	USEPA 3015A
8	Total Hardness as CaCO3	mg/l	198	1	IS 3025 (Part 21)

### II. Biological Testing

#### 2. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Total Coliform	Present or Absent/100 ml	Absent	-	IS 15185
2	E. coli	Present or Absent/100 ml	Absent	-	IS 15185

*Mukesh*  
Mr. Mukesh Chand Agarwal  
Authorized Signatory-Chemical & Biological



<b>ULR No. :</b> TC1181824000003820F	<b>Test Report No. :</b> NWAM220424NA011
<b>Type of Sample :</b> Water- Ground Water	

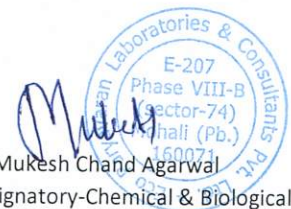
Remarks : NA

**OTHER INFORMATION**

**Abbreviation :** ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

**Terms & Conditions :** Please refer terms and conditions on backside of Test Report (Page-1)

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



Mr. Mukesh Chand Agarwal  
Authorized Signatory-Chemical & Biological