

**Ministry of Environment, Forest and Climate Change, Northern Regional Office,  
Chandigarh-160030**

Compliance report on conditions imposed in Environmental Clearance for  
period ending 31.03.2021

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**Part A - Specific conditions**

- I. Pre-Construction Phase**
- II. Construction Phase:** Not applicable, as project is in operational phase.
- III. Operation Phase and Entire Life**

<b>S. No.</b>	<b>Compliance conditions</b>	<b>Compliance Reply</b>
i.	“Consent to Operate” 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 at the time of start of operation.	Agreed. Renewal of Consent to Operate has been obtained from PPCB vide Certificate No. CTOA/Renewal/SAS/2020/13678339 under Air Act and CTOW/Renewal/SAS/2020/13678381 under Water Act dated 16/12/2020 and valid till 31/03/2021; copy of the same is attached as <b>Annexure 1.</b>
ii.	The total water requirement for the project will be 365 KL/day, out of which 245 KL/day shall be met through own tube well and remaining 95 KL/day through recycling of treated wastewater.	Agreed. The total water requirement of the project is 365 KLD which is being met through own bore wells.
iii.	a) The total wastewater generation from the project will be 272 KL/day, which will be treated in a separate two STPs i.e. capacity 150 KLD based on MBBR technology or better technology to be installed within the project premises. Both of the STPs shall be provided on the basis of module system so as to accommodate the lesser effluent receipts during the initial phase of lower occupancy. As proposed, reuse of treated wastewater and discharge of surplus treated wastewater shall be as per the details mentioned under the salient features:	Agreed. The same is being complied.

iv.	<b>S. No.</b>	<b>Season</b>	<b>For Flushing purposes (KLD)</b>	<b>Green area 4495 sqm (KLD)</b>	<b>into MC Sewer (KLD)</b>	
	1.	Summer	95	25	125	
	2.	Winter	95	09	141	
	3.	Rainy	95	02	148	
	b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.					
v.	The project proponent shall ensure safe drinking water supply to the habitants.					Agreed. The individual flat owners have installed their own RO system.
vi.	The wastewater generated from swimming pool(s) shall not be discharged and the same shall be reused within the premises for purposes such as horticulture, HVAC etc.					Agreed. Treated wastewater is being used for horticulture purpose onto green area and excess is being discharged into MC sewer.
vii.	A proper record regarding groundwater abstraction, water consumption, its reuse and disposal shall be maintained on daily basis and shall maintain a record of readings of each such meter on daily basis.					Agreed. Water meter is being provided at the submersible pump and STP outlet. Record of the same is being maintained and is being checked by CGWA and PPCB officials during their respective visits.
viii.	Rainwater harvesting/ recharging systems shall be operated and maintained properly as per CGWA guidelines and maintenance schedule submitted by the project proponent.					Agreed. 4 rain water recharging pits of size 8m x 4m has been provided at suitable pockets with dual bore. Thus, total 8 number of rain water recharging pits have been provided. The rain water recharging plan is implemented as per the duly Signed Approved Report on RWH & Artificial Recharge to Ground Water of Regional Director of CGWB, Chandigarh.
ix.	The facilities provided for collection, segregation, handling, on site storage & processing of solid waste such as chute system, wet & dry bins, collection centre & mechanical composter etc. shall be properly maintained. The collected solid waste shall be segregated at site. The recyclable solid waste shall be sold out to the authorized vendors for which a written tie-up must be done with the authorized recyclers. Organic waste shall be composted by mechanical composters with a minimum capacity of 0.3kg/tenement/day and the inert solid waste shall be sent to the					Agreed. Solid waste is being collected from door to door. The collection, segregation and disposal of the solid waste is being done as per the Solid Waste Management Rules, 2016. However, no Mechanical Composter has been installed and neither separate chute system has been provided for dry and wet waste, as no such condition exists in the Building Approval & Sanction Plans by the Municipal Council, Zirakpur. Also, Assurance letter has been obtained from MC, Zirakpur regarding the solid

	concerned collection centre of integrated municipal solid waste management facility of the area. A proper record in this regard shall be maintained.	waste collection and disposal; copy of the same is attached as <b>Annexure 2</b> . Further, Completion/ Occupation Certificate have also been obtained from Municipal Council, Zirakpur vide Letter No. 3756, dated: 18.02.2020; copy of the same is enclosed as <b>Annexure 3</b> .
x.	Hazardous waste/E-waste should be disposed of as per Rules applicable and with the necessary approval of the Punjab Pollution Control Board.	Since, it is a housing project. Thus, no major hazardous waste or biomedical waste is being produced except spent oil of DG sets which is being given to PPCB approved recyclers.
xi.	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.	Agreed. Adequate parking space has been provided within the project premises. Entry and Exit point are so designed that there is no traffic congestion. Photographs showing the parking area is enclosed as <b>Annexure 4</b> .
xii.	The project proponent before allowing any occupancy shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab.	Agreed. Completion/ Occupation Certificate have also been obtained from Municipal Council, Zirakpur vide Letter No. 3756, dated: 18.02.2020; copy of the same is enclosed as <b>Annexure 3</b> .
xiii.	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.	Agreed. Adequate green belt is provided along the boundary and inside the premises to keep the environment safe. Photographs showing the green area provided within the project premises and along the boundary are attached at <b>Annexure 4</b> .
xiv.	Solar power plant and other solar energy related equipment shall be operated and maintained properly.	Solar lights have been provided on the path ways and being maintained properly.
xv.	A report on the energy conservation measures conforming to energy conservation norms 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&CC, the Zonal Office of CPCB and the SPCB/SEIAA in three months time.	The maximum possible energy saving scheme is being adopted. LED lights have been provided in the common areas.

**Part B. General Conditions:**

- I. Pre-Construction Phase**  
**II. Construction Phase:** Project is in operational phase.  
**III. Operation Phase and Entire Life**

<b>S. No.</b>	<b>Conditions</b>	<b>Reply</b>
i.	<p>a) The entire 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 under proper MOU under intimation to SEIAA, Punjab. The project proponent shall spend minimum amount as proposed in the EMP.</p> <p>b) The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 1<sup>st</sup> May 2018, regarding Corporate Environment Responsibility (CER).</p>	<p>The budgetary details for activities undertaken under environment management plan is enclosed as <b>Annexure 5</b>.</p> <p>Rs. 22.05 lakhs have been spent under Remediation Plan and Natural and Community Resource Augmentation Plan. The details of the activities undertaken are given below:</p> <ul style="list-style-type: none"><li>• Rs. 7.50 lakhs for construction of rain water harvesting works at Guruduwara Shri Guru Singh Sabha, Lohgarh, Zirakpur dated 12.03.2020.</li><li>• Rs.4.55 lakhs on Horticulture &amp; Green Area Development works at Govt. Sr. Secondary School, Lohgarh, Zirakpur dated 21.08.2019.</li><li>• Rs. 7.50 lakhs for Rain Water Harvesting works at Govt. Sr Secondary School, Lohgarh, Zirakpur dated 21.11.2019.</li><li>• Rs. 2.50 lakhs for Horticulture &amp; Green Area Development works at Govt. ITI, Derabassi at Zirakpur dated 21.08.2019.</li></ul>
ii.	<p>The diesel generator sets to be provided shall conform to the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Act, 1986. The exhaust pipe of DG set if installed must be</p>	<p>Agreed. Diesel generator sets conform to the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Act, 1986.</p>

	minimum 10 m away from the building or in case it is less than 10 m away, the exhaust pipe shall be taken up to 3 m above the building.	
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**PART-C – Conditions common for all the three phases i.e. Pre-Construction Phase, Construction Phase and Operation Phase & Entire Life**

<b>S. No.</b>	<b>Conditions</b>	<b>Reply</b>
i.	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, 2010.	No appeal has been done against this environmental clearance issued within 30 days' time.
ii.	A first aid room will be provided in the project during construction and operation of the project.	Agreed. First aid kit has been provided at Security Guards room at entrance of Rail Vihar Society. Photographs of the same is attached within the <b>Annexure 4</b> .
iii.	Construction of the STP, solid waste, e-waste, hazardous waste, storage facilities tubewell, DG Sets, Utilities etc. earmarked by the project proponent on the layout plan, should be made in the earmarked area only. In any case the position/location of these utilities should not be changed later-on.	Agreed. These utilities has been provided in the earmarked area as per the layout plan.
iv.	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.	Agreed. The environmental safeguards is being implemented in true spirit.
v.	Ambient air & noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air quality, noise especially during worst noise generating activities, water quality and soil should be periodically monitored during construction phase as well as operation & entire life phase as per the MoEF&CC guidelines and all the mitigation measures should be taken to	Agreed. The monitoring of ambient air and noise levels has been done and results are within the permissible limits. Test report are enclosed as <b>Annexure 6</b> .

	bring down the levels within the prescribed standards	
vi.	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 approvals have been obtained as and when required. Such as: <ul style="list-style-type: none"> <li>• Renewal of Consent to Operate has been obtained from PPCB; copy of the same is attached as <b>Annexure 1</b>.</li> <li>• Assurance letter has been obtained from MC, Zirakpur regarding the solid waste collection and disposal; copy of the same is attached as <b>Annexure 2</b>.</li> <li>• NOC has been obtained from Fire Department; copy of the same is attached along as <b>Annexure 7</b>.</li> <li>• Structural Safety Certificate is attached along as <b>Annexure 8</b>.</li> <li>• CGWA NOC has been obtained; copy of the same is enclosed as <b>Annexure 9</b>.</li> </ul>
vii.	The State Environment Impact Assessment Authority, Punjab 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.	All the necessary measures have been taken and implemented properly. However, the project is in process to hand over to Resident Welfare Association (RWA). Thus, the additional measures will be taken care by them in future.
viii.	A proper record showing compliance of all the conditions of environmental clearance shall be maintained and made available at site at all the times.	Agreed. Proper record showing compliance of all the conditions of environmental clearance is being maintained and is available at project at all times.
ix.	The project proponent shall also submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms & conditions including results of monitored data (both in hard & soft copies) to the respective Regional office of MoEF, the Zonal Office of CPCB, the SPCB and SEIAA, Punjab on	Agreed. Six monthly compliance reports in respect of the stipulated prior environmental clearance terms & conditions including results of monitored data is being submitted to RO, MoEF&CC, Chandigarh and SEIAA, Punjab.

	1 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year.	
x.	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 APCCF, Regional Office of Ministry of Environment & Forests, Chandigarh.	Agreed. Full cooperation, facilities and data will be provided for the implementation of environmental safeguards to officials of statutory bodies during their inspection at project.
xi.	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. Fresh application will be submitted to SEIAA, Punjab, if any changes/expansion will be done.
xii.	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.
xiii.	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&CC, SEIAA, Punjab the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels for all the parameters of NAAQM standards shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Agreed. The Environment Clearance compliance will be uploaded on the website. Also, the display board has been provided at the suitable location near the main gate.
xiv.	The project proponent shall submit action plan specifying the timeline for completion of activities under Corporate	The Remediation Plan and Natural and Community Resource Augmentation Plan has already been submitted to

	Social Environment Responsibility to the concerned Regional office of Punjab Pollution Control Board for the monitoring of the same, within 30 days from the date of issuance of the environmental clearance letter.	PPCB.
xv.	The inlet and outlet point of natural drain system should be maintained with adequate size of channel for ensuring unrestricted flow of water. The unpaved area shall be more than or equal to 20% of the recreational open spaces	Agreed. The inlet and outlet point of natural drain system are being maintained properly.
xvi.	Environmental Management Cell shall be formed during operation phase which will supervise and monitor the environment related aspects of the project.	Agreed. The project is in process to handover to Resident Welfare Association (RWA). Thus, the monitoring and supervision of environment related aspects will be taken care by Resident Welfare Association (RWA).
xvii.	The plantation should be provided as per SEIAA guidelines and as per notification dated 09.12.2016 issued by MoEF&CC, New Delhi.	Adequate green area has been provided within the project premises as per the approved plan by MC, Zirakpur. Photographs showing the green area are enclosed as <b>Annexure 4</b> .
xviii.	The project proponent shall not use any chemical fertilizer/ pesticides/ insecticides and shall use only Herbal pesticides/ insecticides and organic manure in the green area.	Agreed. No chemical based fertilizer/ pesticides/ insecticides are being used on to the green area provided within the project premises.





## PUNJAB POLLUTION CONTROL BOARD

Zonal Office-I, Vatavaran Bhawan, Nabha Road, Patiala

Website:- www.ppcb.gov.in

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: 016SAS4074435

Application No : 10132105

To,

**Bhupinder Singh**  
Vip Road, Zirakpur, Tehsil Dera Bassi, Distt. Sas Nagar  
Zirakpur, Sasnagarpunjab-140603

**Subject:** Grant of 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981 for discharge of emissions arising out of premises.

With reference to your application for obtaining 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are hereby, authorized to operate an industrial unit for discharge of the emission(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

### 1. Particulars of Consent to Operate under Air Act, 1981 granted to the industry

Consent to Operate Certificate No.	CTOA/Fresh/SAS/2019/10132105
Date of issue :	19/09/2019
Date of expiry :	31/03/2020
Certificate Type :	Fresh

### 2. Particulars of the Industry

Name & Designation of the Applicant	Bhupinder Singh, (General Manager)
Address of Industrial premises	Indian Railway Welfare Organisation, Village Bishanpura, Vip Road, Zirakpura, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar-140603
Capital Investment of the Industry	15939.13 lakhs
Category of Industry	Red
Type of Industry	Building, Const. projects, Township & Area development ..... covered under EIA notification dated 14/9/06
Scale of the Industry	Large
Office District	Sas Nagar
Consent Fee Details	Rs.7,20,000/- (Rs. 1,80,000 vide R. no. 80/4612 dated 19.03.2018, Rs. 1,80,000/- vide R. no. 81/4612 dated 19.03.2018 and Rs. 3,60,000/- vide CR. no. 74/4853 dated 15/3/2019.
Raw Materials (Name with Quantity per day)	Construction Project having @ 443 flats.
Products (Name with Quantity per day)	Construction Project having @ 443 flats.
By-products, if any, (Name with Quantity per day)	--

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Indian Railway Welfare Organisation, Village Bishanpura, Vip Road, Zirakpura, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar, 140603

<b>Details of the machinery and process</b>	<i>As per application no.10132105</i>
<b>Quantity of fuel required (in TPD) and capacity of boilers/ Furnace/Thermo heater etc.</b>	<i>2 no. DG set of 620 KVA each - HSD @ 80 lt/day each as fuel - Canopy and stack of 5.5 mt. above roof level each.</i>
<b>Type of Air Pollution Control Devices to be installed</b>	<i>2 no. DG set of 620 KVA each - HSD @ 80 lt/day each as fuel - Canopy and stack of 5.5 mt. above roof level each.</i>
<b>Stack height provided with each boiler/thermo heater/Furnace etc.</b>	<i>2 no. DG set of 620 KVA each - HSD @ 80 lt/day each as fuel - Canopy and stack of 5.5 mt. above roof level each.</i>
<b>Sources of emissions and type of pollutants</b>	<i>DG Set - SPM, SO<sub>x</sub>, NO<sub>x</sub></i>
<b>Standards to be achieved under Air(Prevention &amp; Control of Pollution) Act, 1981</b>	<i>As per emission standards prescribed by the PPCB/ MoEF&amp;CC from time to time.</i>



19/09/2019

**(Rakesh Kumar)**  
**Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**

**Endst. No.:**

**Dated:**

A copy of the above is forwarded to the following for information and necessary action please:  
The Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar



19/09/2019

**(Rakesh Kumar)**  
**Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**

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*Indian Railway Welfare Organisation, Village Bishanpura, Vip Road, Zirakpura, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar, 140603*

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## TERMS AND CONDITIONS

### A. GENERAL CONDITIONS

1. This consent is not valid for getting power load from the Punjab State Power Corporation Ltd. or for getting loan from the financial institutions.
2. The industry shall apply for renewal /extension of consent at least two months before expiry of the consent.
3. The industry shall not violate any of the norms prescribed under the Air (Prevention & Control of Pollution) Act, 1981, failing which, the consent shall be cancelled / revoked.
4. The achievement of adequacy and efficiency of the air pollution control devices installed shall be the entire responsibility of the industry
5. The authorized fuel being used shall not be changed without the prior written permission of the Board.
6. The industry shall not discharge any fugitive emissions. All gases shall be emitted through a stack of suitable height, as per the norms fixed by the Board from time to time.
7. The industry shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets.

#### Specifications of the port-holes shall be as under:-

- i) The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter ( $D_e$ ) shall be calculated from the following equation to determine upstream, downstream distance:-  
$$D_e = 2 LW / (L+W)$$
  
Where L= length in mts. W= Width in mts.
  - ii) The sampling port shall be 7 to 10 cm in diameter
8. The industry shall put display Board indicating environmental data in the prescribed format at the main entrance gate.
  9. The industry shall discharge all gases through a stack of minimum height as specified in the following standards laid down by the Board.

#### (i) Stack height for boiler plants

S.NO.	Boiler with Steam Generating Capacity	Stack heights
1.	Less than 2 ton/hr.	9 meters or 2.5 times the height of neighboring building which ever is more
2.	More than 2 ton/hr. to 5 ton/hr.	12 meters
3.	More than 5 ton/hr. to 10 ton/hr	15 meters
4.	More than 10 ton/hr. to 15 ton/hr	18 meters
5.	More than 15 ton/hr. to 20 ton/hr	21 meters
6.	More than 20 ton/hr. to 25 ton/hr.	24 meters
7.	More than 25 ton/hr. to 30 ton/hr.	27 meters
8.	More than 30 ton/hr.	30 meters or using the formula $H = 14 Q_g^{0.3}$ or $H = 74 (Q_p)^{0.24}$ Where $Q_g$ = Quantity of SO <sub>2</sub> in Kg/hr. $Q_p$ = Quantity of particulate matter in Ton/day.

**Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.**

**(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.**

**(iii) Stack height for diesel generating sets:**

Capacity of diesel generating set	Height of the Stack	
0-50 KVA	Height of the building	+ 1.5 mt
50-100 KVA	-do-	+ 2.0 mt.
100-150 KVA	-do-	+ 2.5 mt.
150-200 KVA	-do-	+ 3.0 mt.
200-250 KVA	-do-	+ 3.5 mt.
250-300 KVA	-do-	+ 3.5 mt.

**For higher KVA rating stack height H (in meter) shall be worked out according to the formula:**

$$H = h + 0.2 (KVA)^{0.5}$$

where h = height of the building in meters where the generator set is installed.

10. The pollution control devices shall be interlocked with the manufacturing process of the industry to ensure its regular operation.
11. The existing pollution control equipment shall be altered or replaced in accordance with the directions of the Board, and no pollution control equipment or chimney shall be altered or as the case may be erected or re-erected except with the prior approval of the Board.
12. The industry will provide canopy and adequate stack with the D.G sets so as to comply with the provision of notification No GSR-371 E dated 17-5-2002(amended from time to time) issued by MOEF under Environment (Protection) Act, 1986.
13. The Govt. of Punjab, Department of Science, Technology & Environment vide its notification no.4/46/92-3ST/2839 dt. 29/12/1993 has put prohibition on the use of rice husk as fuel after 1.4.1995 except the following:-  
**In the form of briquettes and use of rice husk in fluidized bed combustion. So the industry shall make the necessary arrangement to comply with the above notification.**
14. The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year
15. That the industry shall submit a yearly certificate to the effect that no addition / up-gradation/ modification/ modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.
16.
  - a) The industry shall ensure that at any time the emission do not exceed the prescribed emissions standards laid down by the Board from time to time for such type of industry /emissions.
  - b) The industry shall ensure that the emissions from each stack shall conform to the following emission standards laid down by the Board in respect of the Industrial Boilers.

Steam Generating capacity A.	Required particulate matter B.	
<i>Area upto 5 Km from Other than 'A' class Other than the periphery of I and Class-II town</i>		
<i>Less than 2 ton/hr.</i>	800 mg/NM3	1200 mg/NM3
<i>2 ton to 10 ton/hr.</i>	500 mg/NM3	1000 mg/NM3
<i>Above 10 ton to 15 ton/hr</i>	350 mg/NM3	500 mg/NM3
<i>Above 15 ton/hr</i>	150 mg/NM3	150 mg/NM3

All emissions normalized to 12% carbon dioxide.

17. The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, without any adverse effect on the environment, in any manner.
18. The air pollution control equipments shall be kept at all time in good running condition and;

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- (i) All failures of control equipments.
  - (ii) The emissions of any air pollutant into the atmosphere in excess of the standards lay down by the Board occurring or being apprehended to occur due to accident or other unforeseen act or event. 'Shall be intimated through fax to the concerned Regional Office as well as to the Director of Factories, Punjab, Chandigarh as required under rule 10 of the Punjab State Board for the Prevention and Control of Air Pollution Rules, 1983'.
19. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.
  20. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable.
  21. The industry shall comply with the conditions imposed by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06, if applicable.
  22. The industry shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:-
    - (i) Once in Year for Small Scale Industries.
    - (ii) Twice/thrice/four time in a Year for Large/Medium Scale Industries.
  23. The industry shall maintain the following record to the satisfaction of the Board :-
    - (i) Log books for running of air pollution control devices or pumps/motors used for it.
    - (ii) Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air.
    - (iii) Register showing the stock of absorbents and other chemicals to be used for scrubbers.
  24. The industry will install the separate energy meter for running pollution control devices and shall maintain record with respect to operation of air pollution control device so as to satisfy the Board regarding the regular operation of air pollution control device and monthly reading / record may be sent to the Board by the fifth of the following month.
  25. The industry shall provide online monitoring system as applicable, for in stack emission and shall maintain the record of the same for inspection of the Board Officers.
  26. The Board reserves the right to revoke the consent granted to the industry at any time, in case the industry is found violating the provisions of Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.
  27. The industry shall comply with any other conditions laid down or directions issued in due course by the Board under the provisions of the Air (Prevention & Control of Pollution) Act, 1981.
  28. Nothing in this consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected to under this or any other Act.
  29. Any amendments/revisions made by the Board/CPCB/MOEF in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.
  30. The industry shall dispose off its solid waste generated by the burning of fuel in an Environmentally Sound Manner within the premises/outside as approved by the Board, to avoid public nuisance and air pollution problem in the area.
  31. The industry shall ensure that no air pollution problem or public nuisance is created in the area due to the discharge of emissions from the industry.
  32. The industry shall provide adequate arrangement for fighting the accidental leakage/discharge of any air pollutant/gas/ liquids from the vessels, mechanical equipment's etc, which are likely to cause environmental pollution.
  33. The industry shall not change or alter the manufacturing process(es) and fuel so as to change the quality/quantity of emissions generated without the prior permission of the Board.
  34. The industry shall earmark a land within their premises for disposal of boiler ash in an environmentally sound manner, and / or the industry shall make necessary arrangements for proper disposal of fuel ash in a scientific manner and shall maintain proper record for the same, if applicable.
  35. The industry shall obtain and submit Insurance cover under the Public Liability Insurance Act, 1991.
  36. The industry shall provide proper and adequate air pollution control arrangements for control emission from its fuel handling area, if applicable.

37. The industry shall comply with the code of practice as notified by the Government/Board for the type of industries where the siting guidelines / Code of Practice have been notified.
38. The industry shall not cause any nuisance/traffic hazard in vicinity of the area
39. The industry shall ensure that the noise & air emission from D.G. sets do not exceed the standards prescribed for D.G. sets by the Ministry of Environment & Forests, New Delhi.
40. The industry shall ensure that there will not be significant visible dust emissions beyond the property line
41. The industry shall provide adequate and appropriate air pollution control devices to contain emissions from handling, transportation and processing of raw material & product of the industry.
42. The Industry shall ensure that its production capacity does not exceed the capacity mentioned in the consent and shall not carry out any expansion without the prior permission / NOC of the Board.



19/09/2019

**(Rakesh Kumar)**  
**Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**







# PUNJAB POLLUTION CONTROL BOARD

Zonal Office-I, Vatavaran Bhawan, Nabha Road, Patiala

Website:- www.ppcb.gov.in

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: 016SAS4074435

Application No : 13678339

To,  
Gurdeep Singh  
Rail Vihar, At Vip Road, Zirakpur, Distt. Mohali  
Zirakpur, Mohali-140603

Subject: Extension in the validity of consent to operate under Air (Prevention and Control of Pollution) Act, 1981.

## 1. Particulars of Consent to Operate under Air Act, 1981 granted to the industry

Consent to Operate Certificate No.	CTOA/Renewal/SAS/2020/13678339
Date of issue :	16/12/2020
Date of expiry :	31/03/2021
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOA/Fresh/SAS/2019/10132105 From:19/09/2019 To:31/03/2020

## 2. Particulars of the Industry

Name & Designation of the Applicant	Gurdeep Singh, (Project Manager)
Address of Industrial premises	Indian Railway Welfare Organisation (irwo)/ Rail Vihar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar-140603
Capital Investment of the Industry	16075.42 lakhs
Category of Industry	Red
Type of Industry	Building, Const. projects, Township & Area development ..... covered under EIA notification dated 14/9/06
Scale of the Industry	Large
Office District	Sas Nagar

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Indian Railway Welfare Organisation (irwo)/ Rail Vihar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar, 140603

This has reference to the request of the project proponent for renewal of consent to operate granted by the Board under the Air (Prevention & Control of Pollution) Act, 1981.

The validity of consent to operate granted to the project proponent vide no. CTOA/Fresh/SAS/2019/10132105 dated 19/9/2019 valid upto 31/3/2020, is hereby extended upto 31/3/2021, with same conditions as mentioned therein and following specific conditions :

1. The project proponent shall comply with the conditions of the environmental clearance granted to it.
2. The project proponent shall properly handle and manage the solid waste as per the provisions of the Solid Waste Management Rules 2016.
3. The project proponent shall provide mechanical composter of capacity 535 kg/ day for composting of bio-degradable waste within 2 months.
4. The promoter shall provide a buffer zone of green belt (dense populated trees with pleasant fragrance) around the sewage treatment plant, so as to reduce the effect of odor problem on the nearby residential area.

The project proponent shall be bound to comply with all the conditions imposed in the original consent to operate granted to it under the Air (Prevention & Control of Pollution) Act, 1981 as well as above mentioned conditions.

This letter shall remain appended with the original consent to operate letter issued to the project proponent under the Air (Prevention & Control of Pollution) Act, 1981.



16/12/2020

**(Harjit Singh)**  
**Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**

**Endst. No.:**

**Dated:**

A copy of the above is forwarded to the following for information and necessary action please:

The Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar.

16/12/2020

**(Harjit Singh)**  
**Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**

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# PUNJAB POLLUTION CONTROL BOARD

Zonal Office-I, Vatavaran Bhawan, Nabha Road, Patiala

Website:- www.ppcb.gov.in

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: 016SAS4074435

Application No : 11527446

To,

**Bhupinder Singh**  
Vip Road, Zirakpur, Tehsil Dera Bassi, Distt. Sas Nagar  
Zirakpur, Sasnagarpunjab-140603

**Subject: Grant of 'Consent to Operate' an outlet u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 for discharge of effluent.**

With reference to your application for obtaining 'Consent to Operate' an outlet for discharge of the effluent u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974, you are, hereby, authorized to operate an industrial unit for discharge of the effluent(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

## 1. Particulars of Consent to Operate under Water Act, 1974 granted to the industry

Consent to Operate Certificate No.	CTOW/Fresh/SAS/2019/11527446
Date of issue :	30/12/2019
Date of expiry :	31/03/2020
Certificate Type :	Fresh

## 2. Particulars of the Industry

Name & Designation of the Applicant	Bhupinder Singh, (General Manager)
Address of Industrial premises	Indian Railway Welfare Organisation, Village Bishanpura, Vip Road, Zirakpura, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar-140603
Capital Investment of the Industry	15939.13 lakhs
Category of Industry	Red
Type of Industry	Building, Const. projects, Township & Area development ..... covered under EIA notification dated 14/9/06
Scale of the Industry	Large
Office District	Sas Nagar
Consent Fee Details	Rs. 1,80,000 vide R. no. 80/4612 dated 19.03.2018 as water consent fee and Rs. 1,80,000/- vide R. no. 81/4612 dated 19.03.2018 and has deposited Rs. 3,60,000/- vide CR. no. 74/4853 dated 15/3/2019 as „consent to operate fee under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 and Rs. 1,92,000/- vide R. no. 89/4862 dated 14.08.2019
Raw Materials(Name with quantity per day)	Construction project having 443 flats
Products (Name with quantity per day)	Construction project having 443 flats

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Indian Railway Welfare Organisation, Village Bishanpura, Vip Road, Zirakpura, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar, 140603

Page1

<b>By-Products, if any,(Name with quantity per day)</b>	--
<b>Details of the machinery and processes</b>	<i>As per application no. 11527446</i>
<b>Details of the Effluent Treatment Plant</b>	<i>Domestic Effluent @ 196.0 KLD--After STP-95 KLD for Flushing purposes, 25 KLD for green area and remaining 125-145 KLD into MC sewer.</i>
<b>Mode of Disposal</b>	<i>Domestic Effluent @ 196.0 KLD--After STP-95 KLD for Flushing purposes, 25 KLD for green area and remaining 125-145 KLD into MC sewer.</i>
<b>Standards to be achieved under Water(Prevention &amp; Control of Pollution) Act, 1974</b>	<i>As per effluent standards prescribed by the PPCB/ MoEF&amp;CC from time to time.</i>



30/12/2019

**(Rakesh Kumar)**  
**Environmental Engineer**

*For & on behalf*  
*of*

**(Punjab Pollution Control Board)**

**Endst. No.:**

**Dated:**

A copy of the above is forwarded to the following for information and necessary action please:  
The Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar.



30/12/2019

**(Rakesh Kumar)**  
**Environmental Engineer**

*For & on behalf*  
*of*

**(Punjab Pollution Control Board)**

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*Indian Railway Welfare Organisation, Village Bishanpura, Vip Road, Zirakpura, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar, 140603*

*Page2*

## TERMS AND CONDITIONS

### A. GENERAL CONDITIONS

1. This consent is not valid for getting power load from the Punjab State Power Corporation Limited or for getting loan from the financial institutions.
2. The industry shall apply for renewal/further extension in validity of consent atleast two months before expiry of the consent.
3. The industry shall ensure that the effluent discharging through the authorized outlet shall confirm to the prescribed standards as applicable from time to time.
4. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.
5. The achievement of the adequacy and efficiency of the effluent treatment plant/pollution control devices/re-circulation system installed shall be the entire responsibility of the industry.
6. The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of the Hazardous Wastes(Management, Handling and Trans boundary Movement) Rules, 2008 as amended time to time , without any adverse effect on the environment, in any manner
7. The responsibility to monitor the effluent discharged from the authorized outlet and to maintain a record of the same rests with the industry. The Board shall only test check the accuracy of these reports for which the industry shall deposit the samples collection and testing fee with the Board as and when required.
8. The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year.
9. The industry shall submit a yearly certificate to the effect that no addition/up-gradation/ modification/modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.
10. During the period beginning from the date of issuance and the date of expiration of this consent, the applicant shall not discharge floating solids or visible foam.
11. Any amendments/revisions made by the Board in the tolerance limits for discharges shall be applicable to the industry from the date of such amendments/revisions.
12. The industry shall not change or alter the manufacturing process(es) so as to change the quality and/or quantity of the effluents generated without the written permission of the Board.
13. Any upset conditions in the plant/plants of the factory, which is likely to result in increased effluent and/or result in violation of the standards lay down by the Board shall be reported to the Environmental Engineer, Punjab Pollution Control Board of concerned Regional Office immediately failing which any stoppage and upset conditions that come to the notice of the Board/its officers, will be deemed to be intentional violation of the conditions of consent.
14. The industry shall provide terminal manhole(s) at the end of each collection system and a manhole upstream of final outlet (s) out of the premises of the industry for measurement of flow and for taking samples.
15. The industry shall for the purpose of measuring and recording the quantity of water consumed and effluent discharged, affix meters of such standards and at such places as approved by the Environmental Engineer, Punjab Pollution Control Board of the concerned Regional Office.
16. The industry shall maintain record regarding the operation of effluent treatment plant i.e. record of quantity of chemicals and energy utilized for treatment and sludge generated from treatment so as to satisfy the Board regarding regular and proper operation of pollution control equipment.
17. The industry shall provide online monitoring equipment<sup>1/2</sup>s for the parameters as decided by concerned Regional Office with the effluent treatment plant/air pollution control devices installed, if applicable.
18. The pollution control devices shall be interlocked with the manufacturing process of the industry.
19. The authorized outlet and mode of disposal shall not be changed without the prior written permission of the Board.
20. The industry shall comply with the conditions imposed by the SEIAA / MOEF in the environmental clearance granted to it as required under EIA notification dated 14/9/06, if applicable.
21. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.
22. The industry shall not use any unauthorized out-let(s) for discharging effluents from its premises. All unauthorized outlets, if any, shall be connected to the authorized outlet within one month from the date of issue of this consent.

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23. The industry shall make necessary arrangements for the monitoring of effluent being discharged by the industry and shall monitor its effluents:-
  - (i) Once in Year for Small Scale Industries.
  - (ii) Four in a Year for Large/Medium Scale Industries.
  - (iii) The industry will submit monthly reading/ data of the separate energy meter installed for running of effluent treatment plant/re-circulation system to the concerned Regional Office of the Board by the 5th of the following month.
24. The industry shall provide electromagnetic flow meters at the source of water supply, at inlet/outlet of effluent treatment plant within one month and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th of the following month.
25. The Board reserves the right to revoke this consent at any time in case the industry is found violating any of the conditions of this consent and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 as amended from time to time.
26. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.
27. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.
28. Nothing in this consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected under this or any other Act.
29. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of septic tank.
30. The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except.
  - (i) Where unavoidable to prevent loss of life or some property damage or
  - (ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
31. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.
32. The industry shall comply with the code of practice as notified by the Government/ Board for the type of industries where the siting guidelines/ code of practice have been notified.
33. Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner to prevent any pollutants from such materials from entering into natural water.
34. The industry shall re-circulate the entire cooling water and shall also re-circulate/reuse to the maximum extent the treated effluent in processes
35. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of re-circulation system/ effluent treatment plant.
36. The industry shall make proper disposal of the effluent so as to ensure that no stagnation occurs inside and outside the industrial premises during rainy season and no demand period.
37. Where excessive storm water drainage or run off, would damage facilities necessary for compliance with terms and conditions of this consent, the applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
38. The industry shall submit a detailed plan showing therein the distribution system for conveying waste-water for application on land for irrigation along with the crop pattern for the year.
39. The industry shall ensure that the effluent discharged by it is toxicity free.
40. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.
41. Drains causing oil & grease contamination shall will be segregated. Oil & grease trap shall be provided to recover oil & grease from the effluent.

42. The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, and the monitoring shall be submitted to the Environmental Engineer of the concerned Regional Office by the 5th of every month.
43. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the consent and shall not carry out any expansion without the prior permission/NOC of the Board.

**B. SPECIAL CONDITIONS**

1. The promoter company shall keep adequate no. of bins at its main gate from where the solid waste shall be collected and transported by the operator of Integrated MSW Management Facility.
2. The promoter shall regularly operate and maintain its sewage treatment plants and ensure that the treated sewage conforms to the effluent standards prescribed by the Board / Ministry of Environment and Forests & Climate Change for such discharges.
3. The promoter shall not discharge the treated effluent into any drain.
4. The promoter shall install separate energy meter for its sewage treatment plants and maintain the record on daily basis of consumption of energy for the running and maintenance of sewage treatment plants.
5. The promoter shall obtain the authorization under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
6. The promoter shall ensure the compliance of the Solid Waste Management Rules, 2016 as well as the Construction and Demolition Rules, 2016.
7. The promoter shall ensure the provisions contained in the guidelines / criteria for abstraction of ground water, notified by the Central Ground Water Authority (CGWA) from time to time and obtain permission from authorities concerned in this regard.
8. The promoter shall ensure the compliance of the E-Waste (Management) Rules, 2016.
9. . The promoter shall ensure the compliance of stipulations mentioned by the Deptt. of Town & Country Planning while granting permission for change of land use.
10. The industry shall comply with the conditions imposed by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06, if applicable.
- 11 . In case the promoter fails to comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environment (Protection) Act, 1986 and/or any other environmental law applicable to the project and Rules, Circulars & Directions issued by the Board from time to time, action as deemed fit shall be taken against the promoter.



30/12/2019

**(Rakesh Kumar)**  
**Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**



**PUNJAB POLLUTION CONTROL BOARD**  
Zonal Office-I, Vatavaran Bhawan, Nabha Road, Patiala  
Website:- www.ppcb.gov.in

Office Dispatch No : \_\_\_\_\_ Registered/Speed Post \_\_\_\_\_ Date: \_\_\_\_\_  
Industry Registration ID: 016SAS4074435 Application No : 13678381

To,  
Gurdeep Singh  
Rail Vihar, At Vip Road, Zirakpur, Distt. Mohali  
Zirakpur, Mohali-140603

Subject: Extension in the validity of consent to operate under Water (Prevention & Control of Pollution) Act, 1974.

**1. Particulars of Consent to Operate under Water Act, 1974 granted to the industry**

Consent to Operate Certificate No.	CTOW/Renewal/SAS/2020/13678381
Date of issue :	16/12/2020
Date of expiry :	31/03/2021
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOW/Fresh/SAS/2019/11527446 From:30/12/2019 To:31/03/2020

**2. Particulars of the Industry**

Name & Designation of the Applicant	Gurdeep Singh, (Project Manager)
Address of Industrial premises	Indian Railway Welfare Organisation (irwo)/ Rail Vihar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar-140603
Capital Investment of the Industry	16075.42 lakhs
Category of Industry	Red
Type of Industry	Building, Const. projects, Township & Area development ..... covered under EIA notification dated 14/9/06
Scale of the Industry	Large
Office District	Sas Nagar

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Indian Railway Welfare Organisation (irwo)/ Rail Vihar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar, 140603



This has reference to the request of the project proponent for renewal of consent to operate granted by the Board under the Water (Prevention & Control of Pollution) Act, 1974.

The validity of consent to operate granted to the project proponent vide no. CTOW/Fresh/SAS/2019/11527446 dated 30/12/2019 valid upto 31/3/2020, is hereby extended upto 31/3/2021, with same conditions as mentioned therein and following specific conditions :

1. The project proponent shall comply with the conditions of the environmental clearance granted to it.
2. The project proponent shall properly handle and manage the solid waste as per the provisions of the Solid Waste Management Rules 2016.
3. The project proponent shall provide mechanical composter of capacity 535 kg/ day for composting of bio-degradable waste within 2 months.
4. The project proponent shall install one more rain water harvesting pit/ bore well in compliance to the Environmental Clearance granted to it within one month.
5. The project proponent shall maintain proper record of water meter installed on the submersible pump and at outlet of sewage treatment plant on daily basis.
6. The promoter shall provide a buffer zone of green belt (dense populated trees with pleasant fragrance) around the sewage treatment plant, so as to reduce the effect of odor problem on the nearby residential area.

The project proponent shall be bound to comply with all the conditions imposed in the original consent to operate granted to it under the Water (Prevention & Control of Pollution) Act, 1974 as well as above mentioned conditions.

This letter shall remain appended with the original consent to operate letter issued to the project proponent under the Water (Prevention & Control of Pollution) Act, 1974.



16/12/2020

**(Harjit Singh)**  
**Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**

**Endst. No.:**

**Dated:**

A copy of the above is forwarded to the following for information and necessary action please:

The Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar.

16/12/2020

**(Harjit Singh)**  
**Environmental Engineer**

*For & on behalf*

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OFFICE OF THE  
**MUNICIPAL COUNCIL, ZIRAKPUR**  
 (Distt. S.A.S. Nagar)

**ਦਫ਼ਤਰ ਨਗਰ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ (ਜ਼ਿਲ੍ਹਾ ਐਸ.ਏ.ਐਸ.ਨਗਰ)**

ਨੰਬਰ...316.6.....

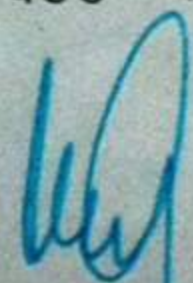
ਮਿਤੀ:...21/9/15..

ਵੱਲ,

General Manager (Chandigarh)  
 Northern Railway Construction Office Complex  
 Near Railway Station  
 Chandigarh.  
 (Indian Railway Welfare Organisation)

ਵਿਸ਼ਾ :- ਸੋਲਡ ਵੈਸਟ ਮਟੀਰੀਅਲ ਅਤੇ ਗਾਰਬੇਜ਼ ਚੁੱਕਣ ਬਾਰੇ।

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਸਬੰਧੀ ਆਪ ਦਾ ਪੱਤਰ ਪ੍ਰਾਪਤ ਹੋਇਆ ਹੈ। ਆਪ ਵੱਲੋਂ ਵੈਸਟ ਮਟੀਰੀਅਲ ਅਤੇ ਗਾਰਬੇਜ਼ ਚੁੱਕਣ ਸਬੰਧੀ ਬੇਨਤੀ ਕੀਤੀ ਗਈ ਹੈ। ਇਸ ਸਬੰਧੀ ਆਪ ਨੂੰ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਨਗਰ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ ਵੈਸਟ ਮਟੀਰੀਅਲ ਅਤੇ ਗਾਰਬੇਜ਼ ਚੁੱਕਣ ਅਤੇ ਸੁੱਟਣ ਦਾ ਪ੍ਰਬੰਧ ਕਰੇਗੀ ਅਤੇ ਇਸ ਸਬੰਧੀ ਆਉਣ ਵਾਲਾ ਖਰਚਾ ਆਪ ਵੱਲੋਂ ਅਦਾ ਕੀਤਾ ਜਾਵੇਗਾ।

  
 ਕਾਰਜ ਸਾਧਕ ਅਫਸਰ,  
 ਨਗਰ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ।



OFFICE OF THE

**MUNICIPAL COUNCIL, ZIRAKPUR**

(Distt. S.A.S. Nagar)

**ਦਫਤਰ ਨਗਰ ਕੌਂਸਲ, ਜੀਰਕਪੁਰ (ਜਿਲ੍ਹਾ ਐਸ਼ ਏ ਐਸ਼ ਨਗਰ)**

ਨੰਬਰ 3756

ਮਿਤੀ: 18-02-2020

ਵੱਲ,

ਮੈਸ: ਇੰਡੀਅਨ ਰੇਲਵੇ ਵੈਲਫੇਅਰ ਔਰਗਨਾਇਜ਼ੇਸ਼ਨ (IRWO)

ਪ੍ਰੋਜੈਕਟ ਨੇਮ :- ਰੇਲ ਵਿਹਾਰ,

ਵੀ.ਆਈ.ਪੀ. ਰੋਡ, ਜੀਰਕਪੁਰ।

ਵਿਸ਼ਾ - ਰੇਲ ਵਿਹਾਰ, ਵੀ.ਆਈ.ਪੀ. ਰੋਡ ਦੇ ਰਿਹਾਇਸ਼ੀ ਗਰੁੱਪ ਹਾਉਸਿੰਗ ਪ੍ਰੋਜੈਕਟ ਲਈ ਕੰਪਲੀਸ਼ਨ/ਆਕੂਪੇਸ਼ਨ ਸਰਟੀਫਿਕੇਟ ਜਾਰੀ ਕਰਨ ਸਬੰਧੀ।

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਦੇ ਸੰਬਧ ਵਿੱਚ ਆਪ ਵੱਲੋਂ ਬਿਲਡਿੰਗ ਕੰਪਲੀਟ ਹੋਣ ਉਪਰਾਂਤ ਇਸ ਦਫਤਰ ਵਿਖੇ ਆਪ ਵੱਲੋਂ ਦਿੱਤੀ ਗਈ ਪ੍ਰਤੀ ਬੇਨਤੀ ਨੂੰ ਮੰਨਦੇ ਹੋਏ, ਆਪ ਦੇ ਰਿਹਾਇਸ਼ੀ ਗਰੁੱਪ ਹਾਉਸਿੰਗ ਪ੍ਰੋਜੈਕਟ ਦੇ 443 ਫਲੈਟਾਂ ਨੂੰ ਕੰਪਲੀਸ਼ਨ/ਆਕੂਪੇਸ਼ਨ ਸਰਟੀਫਿਕੇਟ ਨਿਮਨਲਿਖਤ ਸ਼ਰਤਾਂ ਤੇ ਜਾਰੀ ਕੀਤਾ ਜਾਂਦਾ ਹੈ :-

- 1 ਕਿ ਕੰਪਨੀ ਫਾਇਰ ਸੇਫਟੀ ਅਤੇ ਵਾਤਾਵਰਣ ਕਲੀਰੈਂਸ ਦੇ ਪ੍ਰਬੰਧਾਂ ਨੂੰ ਭਵਿੱਖ ਵਿੱਚ ਚਾਲੂ ਰੱਖਣ ਅਤੇ ਮੈਨਟੇਨ ਕਰਨ ਦੇ ਪਾਬੰਦ ਹੋਵੇਗੀ, ਅਤੇ ਫਾਇਰ ਸੇਫਟੀ ਸਰਟੀਫਿਕੇਟ ਹਰ ਸਾਲ ਰਨਿਊ ਕਰਵਾ ਕੇ ਦੇਣਾ ਆਪ ਦੀ ਨਿੱਜੀ ਜ਼ਿੰਮੇਵਾਰੀ ਹੋਵੇਗੀ।
- 2 ਸਰਕਾਰ ਦੀਆਂ ਹਦਾਇਤਾਂ ਅਨੁਸਾਰ ਜਿਸ ਵੀ ਵਿਭਾਗ ਦੀ ਐਨ.ਊ.ਸੀ. ਲੋੜੀਂਦਾਂ ਹੈ ਉਸ ਨੂੰ ਲੈਣ ਦੇ ਪਾਬੰਦ ਹੋਵੇਗੇ ਅਤੇ ਸਰਕਾਰ ਵੱਲੋਂ ਸਮੇਂ-ਸਮੇਂ ਸਿਰ ਜਾਰੀ ਹਦਾਇਤਾਂ ਦੀ ਪਾਲਣਾ ਕਰਨੀ ਜ਼ਰੂਰੀ ਹੋਵੇਗੀ।
- 3 ਇਸ ਬਿਲਡਿੰਗ ਵਿੱਚ ਕਿਸੇ ਵੀ ਤਰ੍ਹਾਂ ਦੀ ਅਡੀਸ਼ਨ ਅਲਟਰੈਂਸਨ ਦੀ ਪੂਰਵ ਪ੍ਰਵਾਨਗੀ ਲੈਣ ਦੇ ਪਾਬੰਦ ਹੋਵੇਗੇ।
- 4 The Person with disability equal opportunities protection of right & full participation Act, 1955 ਅਤੇ ਰੈਨ ਹਾਰਵੈਸਟਿੰਗ ਸਿਸਟਮ ਅਤੇ ਐਸ.ਟੀ.ਪੀ. ਦਾ ਪ੍ਰਬੰਧ ਹਮੇਸ਼ਾ ਚਾਲੂ ਹਾਲਤ ਵਿੱਚ ਰੱਖਣਾ ਆਪ ਦੀ ਨਿੱਜੀ ਜ਼ਿੰਮੇਵਾਰੀ ਹੋਵੇਗੀ।
- 5 ਸਰਕਾਰ ਦੀਆਂ ਹਦਾਇਤਾਂ ਅਨੁਸਾਰ ਪਾਰਕਿੰਗ ਸਬੰਧੀ ਹਦਾਇਤਾਂ ਅਤੇ ਸਰਕਾਰ ਵੱਲੋਂ ਸਮੇਂ-ਸਮੇਂ ਸਿਰ ਜਾਰੀ ਹਦਾਇਤਾਂ ਅਨੁਸਾਰ ਨਿਯਮਾਂ ਦੀ ਪਾਲਣਾ ਕਰਨੀ ਆਪ ਦੀ ਜ਼ਿੰਮੇਵਾਰੀ ਹੋਵੇਗੀ।
- 6 ਗਰੁੱਪ ਹਾਉਸਿੰਗ ਪ੍ਰੋਜੈਕਟ ਨੂੰ ਹੈਂਡਉਵਰ ਕਰਨ ਤੋਂ ਪਹਿਲਾਂ ਪ੍ਰੋਜੈਕਟ ਸਬੰਧੀ ਮੈਨਟੀਨੈਂਸ ਅਤੇ ਲਿਫਟਾਂ, ਟਿਊਬਵੈਲ, ਐਸ.ਟੀ.ਪੀ., ਫਾਇਰ ਫਾਇਟਿੰਗ ਸੀਸਟਮ ਚਾਲੂ/ਸਹੀ ਹਾਲਤ ਵਿੱਚ ਦੇਣਾ ਆਪ ਦੀ ਨਿੱਜੀ ਜ਼ਿੰਮੇਵਾਰੀ ਹੋਵੇਗੀ।
- 7 ਕਿਸੇ ਵੀ ਸਮੇਂ ਜੇਕਰ ਆਪ ਦੇ ਪ੍ਰੋਜੈਕਟ ਸੰਬੰਧੀ ਕੋਈ ਬਕਾਇਆ ਆਦਿ ਨਿਕਲਦਾ ਹੋਇਆ ਤਾਂ ਆਪ ਉਸ ਨੂੰ ਨਗਰ ਕੌਂਸਲ ਦੇ ਖਾਤੇ ਵਿੱਚ ਜਮ੍ਹਾਂ ਕਰਵਾਉਣ ਦੇ ਪਾਬੰਦ ਹੋਵੇਗੇ।
- 8 ਆਪ ਆਪਣੇ ਪ੍ਰੋਜੈਕਟ ਲਈ ਰੋਗ ਦੀਆਂ ਨਿਯਮਾਂ/ਰੂਲਾਂ/ਹਦਾਇਤਾਂ ਅਤੇ ਬਿਲਡਰ ਲਾਇਸੈਂਸ/ਕਲੋਨੀ ਲਾਇਸੈਂਸ ਦੀਆਂ ਹਦਾਇਤਾਂ ਦੀ ਪਾਲਣਾ ਕਰਨੀ ਆਪ ਦੀ ਨਿੱਜੀ ਜ਼ਿੰਮੇਵਾਰੀ ਹੋਵੇਗੀ।
- 9 ਸਰਕਾਰ ਦੀ ਈ.ਡਬਲਿਊ.ਐਸ. ਫਲੈਟਾਂ ਦੀ ਡਿਸਪੋਜ਼ਲ ਸਬੰਧੀ ਕੰਪਨੀ ਵੱਲੋਂ ਪਹਿਲਾਂ ਹੀ ਲਿਖ ਕੇ ਦਿੱਤਾ ਗਿਆ ਹੈ ਕਿ ਉਹ ਈ.ਡਬਲਿਊ.ਐਸ. ਫਲੈਟਾਂ ਦੀ ਪਾਲਸੀ ਨੋਟੀਫਿਕੇਸ਼ਨ ਨੰ: DTP(LG)-2016/2361 ਮਿਤੀ The 24 October, 2016 ਦੀ ਐਪਸ਼ਨ ਨੰ: 1 ਦੇ ਪੈਰਾ ਨੰ: 2.1 ਦੀ ਇੰਨ-ਬਿੰਨ ਪਾਲਣਾ ਕਰਨ ਦੇ ਪਾਬੰਦ ਹੋਣਗੇ।

ਉਪਰੋਕਤ ਅਨੁਸਾਰ ਪਾਲਣਾ ਨਾ ਕਰਨ ਦੀ ਸੂਰਤ ਵਿੱਚ ਆਪ ਦਾ ਕੰਪਲੀਸ਼ਨ/ਆਕੂਪੇਸ਼ਨ ਸਰਟੀਫਿਕੇਟ ਰੱਦ ਕਰ ਦਿੱਤਾ ਜਾਵੇਗਾ।

ਕਾਰਜ ਸੰਘਕ ਅਫਸਰ,  
ਨਗਰ ਕੌਂਸਲ ਜੀਰਕਪੁਰ।

**PHOTOGRAPHS OF THE PROJECT**







**Parking Area**



**First Aid Kit**





Green Area & Plantation





Sewage Treatment Plant



Fire Fighting Equipment



DG Set





# भारतीय रेल कल्याण संगठन INDIAN RAILWAY WELFARE ORGANISATION

To WHOMSOEVER IT MAY CONCERN

## UNDERTAKING


It is certified that Indian Railway Welfare Organization (IRWO) has constructed 'RAIL VIHAR' Group Housing Project at VIP Road, Zirakpur, District - Mohali, Punjab consisting of 443 Dwelling Units including subsidized (EWS) 44 Dwelling Units for Common Public under EWS category.

The details of cost under EMP is given below.

Sr No.	Particulars	Annual Recurring Cost (INR Lakh/year)
1	Rain Water Harvesting & Solid Waste Management	44.86
2	Green Area Development	18.58
3	Diesel Generator (DG) Sets (2x320 KVA)	43.43
4	Sewerage Treatment Plant of 300 KLD (2x150 KLD)	26.22
5	Piezometer/ Digital Water Level Recorder	5.83
	<b>TOTAL</b>	<b>138.92</b>

Date: 05-02-2019

For Indian Railway Welfare Organization

  
(S K Patni)

Additional General Manager Finance

**S. K. PATNI**  
Addl. General Manager (F)  
Indian Railway Welfare Organisation  
New Delhi-110001



## TEST REPORT



Ref. NO. Lab/22  
Dated-30.09.2021

Not Valid for Consent Purpose



TC-7477

ULR No. : TC74772100000085F		Test Report No. : EL080121NA001	
Type of Sample : Ambient Air Quality		Date of Reporting : 11/01/2021	
Customer	Indian Railway Welfare Organisation Rail Vihar, Zirakpur (Punjab)	Work Order No. & Date	EL/IRWO/EMAIL/572 Dt.: 06/01/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	07/01/2021	Date of Receipt of Sample	08/01/2021
Sampling Location	Main Park Near Office	Period of Analysis	08/01/2021 To 11/01/2021
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	Environmental Conditions	Partial cloudy weather; Drizzling for 1hour
Testing Location	Site Testing & Permanent Facility		

## RESULTS

## I-Chemical Testing

## 1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Method
1	Particulate Matter (as PM10)	$\mu\text{g}/\text{m}^3$	87	100	IS: 5182 (Part-23) : 2006, RA 2017
2	Particulate Matter (as PM2.5)	$\mu\text{g}/\text{m}^3$	48	60	Lab SOP: EL/SOP/AAQ/01
3	Sulphur Dioxide (as SO <sub>2</sub> )	$\mu\text{g}/\text{m}^3$	11	80	IS: 5182 (Part-2) : 2001, RA 2017
4	Nitrogen Dioxide (as NO <sub>2</sub> )	$\mu\text{g}/\text{m}^3$	24	80	IS: 5182 (Part-6) : 2006, RA 2017
5	Ammonia (as NH <sub>3</sub> )	$\mu\text{g}/\text{m}^3$	29	400	Lab SOP: EL/SOP/AAQ/02
6	Ozone (as O <sub>3</sub> )	$\mu\text{g}/\text{m}^3$	17	180	IS: 5182 (Part-9) : 1974, RA 2019
7	Carbon Monoxide (as CO)	$\text{mg}/\text{m}^3$	0.69	04	IS: 5182 (Part-10) :1999, RA 2019

Remarks : NA

## OTHER INFORMATION

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

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

\*\*End of Report\*\*

Checked by QA

Dr Rai Singh  
Authorized Signatory-Chemical



## TEST REPORT

Not Valid for Consent Purpose



TC-7477

ULR No. : TC747721000000086F		Test Report No. : EL080121NN001	
Type of Sample : Ambient Noise		Date of Reporting : 11/01/2021	
Customer	Indian Railway Welfare Organisation Rail Vihar, Zirakpur (Punjab)	Work Order No. & Date	EL/IRWO/EMAIL/572 Dt.: 06/01/2021
		Customer reference No. (If any)	NA
Sampling Protocol	IS 9989-1989, RA 2008	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	07/01/2021	Date of Receipt of Sample	08/01/2021
Sampling Location	Near Main Gate	Period of Analysis	08/01/2021 To 08/01/2021
Testing Protocol	IS 9989-1989, RA 2008		
Testing Location	Site Testing		

## RESULTS

### I- Chemical Testing

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

S.No.	Test Parameters	Units	Results	Method
1	Ambient Day Time Noise Levels	dB(A)	52.1	LAB SOP: EL/SOP/NL/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\*\*

Checked by QA

Dr Rai Singh  
Authorized Signatory-Chemical

## TEST REPORT



PCB-Ref. No. Lab/321  
Dated-30.09.2011



Not Valid for Consent Purpose

TC-7477

ULR No. : TC74772100000084F		Test Report No. : EL070121NS001	
Type of Sample : Soil		Date of Reporting : 11/01/2021	
Customer	Indian Railway Welfare Organisation Rail Vihar, Zirakpur (Punjab)	Work Order No. & Date	EL/IRWO/EMAIL/572 Dt.: 06/01/2021
		Customer reference No. (if any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	07/01/2021	Date of Receipt of Sample	07/01/2021
Sampling Location	Main Park Near Office	Testing Location	Permanent Facility
Testing Protocol	IS Method	Period of Analysis	07/01/2021 To 11/01/2021
Sample Description	Brown colored soil.		
Packing, Markings, Seal & Qty.	2 Kg Poly Bag Marked 'P/07/01'		

## RESULTS

### I. Chemical Testing

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

S.No.	Test Parameter	Unit	Result	Test Method
1	pH	--	7.53	IS: 2720 (P-26) 1987 RA2016
2	Conductivity	mmhos/cm	0.159	IS:14767: 2000 RA2016
3	Moisture Content	%	12.7	IS: 2720 (P-II) 1973 R 2015
4	Organic Matter	%	1.95	IS: 2720 (Part XXII) 1972 R2015
5	Texture	--	Sandy Loam	IS: 2720(P-4) 1985 RA 2015
6	Bulk Density	gm/cc	1.84	IS: 2720(P-III):1980 RA 2016

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\*\*

  
Checked by QA

  
Dr Rai Singh  
Authorized Signatory-Chemical

Format No. F/7.8.2-S-01 26.11.19 Rev 04

Page No. 1/1

**ECO BHAWAN** E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071



## TEST REPORT

Not Valid for Consent Purpose



TC-7477



Lab No. Lab/52  
Date: 30.09.2021

ULR No. : TC74772100000083F		Test Report No. : EL070121NW001	
Type of Sample : Water (Ground Water)		Date of Reporting : 11/01/2021	
Customer	Indian Railway Welfare Organisation Rail Vihar, Zirakpur (Punjab)	Work Order No. & Date	EL/IRWO/EMAIL/572 Dt.: 06/01/2021
		Customer reference No. (if any)	NA
Sampling Protocol	IS:3025 (P-1) 1987 RA 2019	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	07/01/2021	Date of Receipt of Sample	07/01/2021
Sampling Location	Tubewell No.1 (Main Park)	Testing Location	Permanent Facility
Testing Protocol	IS 10500 : 2012 (Second Revision)	Period of Analysis	07/01/2021 To 11/01/2021
Sample Description	Colourless liquid.		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked 'P/07/01'		

## RESULTS

### I -Chemical Testing

#### 1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Colour	Colour Units	BDL (DL 5)	5	15	IS:3025(P-4):1983 RA2017
2	Odour	-	Agreeable	Agreeable	Agreeable	IS: 3025 (P-5): 1983 RA 2018
3	pH	-	6.97	6.5-8.5	No relaxation	IS:3025(P-11): 1984RA2017
4	Turbidity	NTU	BDL(DL 0.1)	1	5	IS:3025(P-10):1984 RA2017
5	Chloride	mg/l	17	250	1000	IS:3025(P-32) :1988 RA2019
6	Iron	mg/l	0.11	1.0	No relaxation	IS:3025(P-53):2003 RA 2019
7	Total hardness	mg/l	190	200	600	IS:3025(P-21) :2009 RA2019

### II -Biological Testing

#### 1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Total coliforms	CFU/100ml	Absent	Absent	-	IS:15185 :2016

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\*\*

  
Checked by QA

  
Simranjit Kaur  
Authorized Signatory-Biological

  
Dr Rai Singh  
Authorized Signatory-Chemical

## TEST REPORT



Ref. No. Lab/325  
Date 20.03.2021

Not Valid for Consent

<b>ULR No. :</b> NA		<b>Test Report No. :</b> EL070121NW001/A	
<b>Type of Sample :</b> Water (Ground Water)		<b>Date of Reporting :</b> 11/01/2021	
<b>Customer</b>	Indian Railway Welfare Organisation Rail Vihar, Zirakpur (Punjab)	<b>Work Order No. &amp; Date</b>	EL/IRWO/EMAIL/572 Dt.: 06/01/2021
		<b>Customer reference No. (If any)</b>	NA
<b>Sampling Protocol</b>	IS:3025 (P-1) 1987 RA 2019	<b>Mode of Collection of Sample</b>	Sampling by laboratory
<b>Date of Sampling</b>	07/01/2021	<b>Date of Receipt of Sample</b>	07/01/2021
<b>Sampling Location</b>	Tubewell No.1 (Main Park)	<b>Testing Location</b>	Permanent Facility
<b>Testing Protocol</b>	IS 10500 : 2012 (Second Revision)	<b>Period of Analysis</b>	07/01/2021 To 11/01/2021
<b>Sample Description</b>	Colourless liquid.		
<b>Packing, Markings, Seal &amp; Qty.</b>	2 litre Plastic & 250ml Glass Bottle Marked 'P/07/01'		

## RESULTS

### II -Biological Testing

#### 1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Escherichia coli	CFU/100ml	Absent	Absent	-	IS:15185:2016

**Remarks :** This test report is the part of Test Report No.EL070121NW001.

### 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\*\***

Checked by QA

Simranjit Kaur  
Authorized Signatory-Biological



## Punjab Fire Services (Dera Bassi)



### FIRE SAFETY CERTIFICATE

### ਫਾਇਰ ਸੇਫਟੀ ਪ੍ਰਮਾਣ ਪੱਤਰ

NOC No **1507-25927-Fire/18294**

NOC Type: **Renew**

Dated **28-Aug-2020**

Certified that the **Rail Vihar Residential Apartment** at **VIP Road Zirakpur Distt SAS Nagar** has been inspected by the fire officer and is found to be compiled with fire prevention and fire safety equipments of National Building Code and verified by officer concerned of fire service on **27-Aug-2020** in the presence of **Mr Gurdeep Singh** and is fit to occupancy group **Group A** subdivision **A-4** (As per NBC) for period of **one year** from issue date.

Issued on **28-Aug-2020** at **Dera Bassi**

ਤਸਦੀਕ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ **Rail Vihar Residential Apartment** ਜੋ ਕਿ **VIP Road Zirakpur Distt SAS Nagar** ਵਿਖੇ ਸਥਾਪਤ ਹੈ, ਜਿਸ ਦੀ ਫਾਇਰ ਅਫਸਰ ਵਲੋਂ ਪੜਤਾਲ ਕੀਤੀ ਗਈ ਅਤੇ ਪਾਇਆ ਗਿਆ ਕਿ ਇੱਥੇ ਅੱਗ ਬੁਝਾਉਣ ਦੇ ਪ੍ਰਭਾਵੀ ਅਤੇ ਬਚਾਅ ਦੇ ਰਾਸ਼ਟਰੀ ਬਿਲਡਿੰਗ ਕੋਡ ਅਨੁਸਾਰ ਪ੍ਰਬੰਧ ਕੀਤੇ ਗਏ ਹਨ ਜਿਸ ਨੂੰ ਸਬੰਧਤ ਅੱਗ ਬੁਝਾਉ ਅਧਿਕਾਰੀ ਵੱਲੋਂ ਪ੍ਰਮਾਣਿਤ ਕੀਤਾ ਗਿਆ ਮਿਤੀ **27-Aug-2020** ਮੌਜੂਦਗੀ ਵਿੱਚ **Mr Gurdeep Singh** (ਮਾਲਕ ਦਾ ਨਾਮ ਜਾਂ ਉਸ ਦਾ ਪ੍ਰਤੀਨਿਧੀ) ਇਸ ਨੂੰ ਆਬਾਦੀ ਲਈ ਯੋਗ ਪਾਇਆ ਗਿਆ। Occupancy Group **Group A** subdivision **A-4** (ਐਨ. ਬੀ. ਸੀ. ਦੇ ਅਨੁਸਾਰ) ਦੇ ਪ੍ਰਭਾਵੀ ਸਮੇਂ ਤੋਂ **ਇੱਕ ਸਾਲ** ਤੱਕ।

ਜਾਰੀ ਕਰਨ ਦੀ ਮਿਤੀ **28-Aug-2020** ਕਿੱਥੇ **Dera Bassi**.

This project comprise of **5** towers/blocks with number of floors as given below.

ਇਸ ਪ੍ਰੋਜੈਕਟ ਵਿੱਚ **5** ਟਾਵਰ/ਬਲਾਕ ਹੇਠ ਲਿਖੇ ਅਨੁਸਾਰ ਹਨ:

Block Name	No. Of Floors	Area (sq. mtr.)
Type 4 Block No A1 to A5	8	10205.00
Type 3 Block No B1 to B14	8	24615.00
Type 2 Block No C1 to C 17	3	7191.00
Type EWS Block D1 to D3	4	1410.00
Community Centre	2	458.00

NOC is issued subject to following conditions:

ਐਨ.ਓ.ਸੀ. ਹੇਠ ਲਿਖੀਆਂ ਸ਼ਰਤਾਂ ਦੇ ਆਧਾਰ ਤੇ ਜਾਰੀ ਕੀਤਾ ਜਾਂਦਾ ਹੈ।

1. Fire Safety arrangements shall be kept in working condition at all the times.  
ਹਰ ਸਮੇਂ ਅੱਗ ਤੋਂ ਬਚਾਅ ਦੇ ਯੰਤਰਾਂ ਨੂੰ ਚਾਲੂ /ਚੰਗੀ ਹਾਲਤ ਵਿੱਚ ਰੱਖਿਆ ਜਾਵੇ।
2. Occupants/ owner should have trained staff to operate the operation of fire safety system provided there in.

ਉਪਲੱਬਧ ਅੱਗ ਬੁਝਾਉਣ ਦੇ ਯੰਤਰਾਂ ਦੀ ਵਰਤੋਂ ਤੋਂ ਰਹਿਣ ਵਾਲੇ ਲੋਕਾਂ / ਮਾਲਕਾਂ ਨੂੰ ਜਾਣੂੰ ਕਰਵਾਇਆ ਜਾਣਾ ਯਕੀਨੀ ਬਣਾਇਆ ਜਾਵੇ।

3. Fire Officer can check the arrangements of fire safety at any time, this certificate will be withdrawn without any notice if any deficiency is found.

ਫਾਇਰ ਬਿਗੇਡ ਅਧਿਕਾਰੀ ਕਿਸੇ ਵੀ ਵਕਤ ਇਨ੍ਹਾਂ ਸਾਰੇ ਪ੍ਰਬੰਧਾਂ ਨੂੰ ਚੈੱਕ ਕਰ ਸਕਦਾ ਹੈ, ਜੇ ਕਰ ਕੋਈ ਕਮੀ ਪਾਈ ਗਈ ਤਾਂ ਬਿਨਾਂ ਕਿਸੇ ਨੋਟਿਸ ਦੇ ਇਹ ਸਰਟੀਫਿਕੇਟ ਰੱਦ ਸਮਝਿਆ ਜਾਵੇਗਾ।

4. Occupants/ owner should apply for renewal of fire safety certificate one month prior to expiry of this certificate.

ਮਾਲਕ ਜਾਰੀ ਕੀਤੇ ਗਏ ਫਾਇਰ ਸੇਫਟੀ ਸਰਟੀਫਿਕੇਟ ਦੀ ਮਿਤੀ ਖਤਮ ਹੋਣ ਤੋਂ ਇੱਕ ਮਹੀਨਾ ਪਹਿਲਾਂ ਰੀਨੀਊ ਕਰਵਾਉਣ ਲਈ ਪਾਬੰਦ ਹੋਵੇਗਾ।

**\* Above Details cannot be used as ownership proof.**

ਉਪਰੋਕਤ ਦਰਸਾਈ ਗਈ ਜਾਣਕਾਰੀ ਨੂੰ ਮਾਲਕਾਨਾ ਦੇ ਸਬੂਤ ਵਜੋਂ ਨਹੀਂ ਵਰਤਿਆ ਜਾਵੇਗਾ।

\* This is digitally created certificate, no signature are needed

ਇਹ ਡਿਜੀਟਲੀ (ਕੰਪਿਊਟਰਾਈਜ਼ਡ) ਤਿਆਰ ਕੀਤਾ ਗਿਆ ਸਰਟੀਫਿਕੇਟ ਹੈ, ਜਿਸ ਵਿੱਚ ਦਸਤਖਤ ਦੀ ਕੋਈ ਲੋੜ ਨਹੀਂ ਹੈ।




**ARO TECH  
STRUCTURAL CONSULTANTS**

Designer of Multistorey Buildings, Flat Slabs,  
Shell Roofs, Steel Structures etc.

Ref. No. ...4/23/7/16

Dated 23/07/16

## STRUCTURAL SAFETY CERTIFICATE

**Sub: Structural Design of Proposed Rail Vihar group housing Project of Indian Railway Welfare Organization (IRWO) on V.I.P. Road, Zirakpur (near Chandigarh) Punjab.**

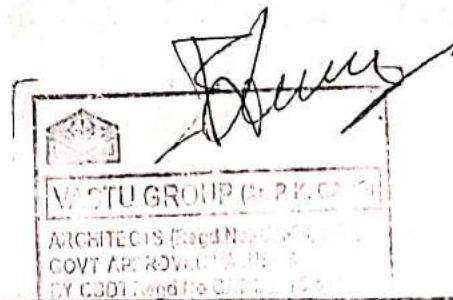
This is to certify that the structural drawings for the building mentioned in the subject matter above have been designed in accordance with the relevant Indian Standard Criteria for design of R/C structures (IS:456-2000). The approved structural design as shown in the design drawings stamped by ARO TECH STRUCTURAL CONSULTANTS, JALANDHAR is safe and sound for earthquake loading as per Indian Standards for earthquake resistant design IS:1893-2002 and IS: 13920-1992.

The responsibility of ARO TECH STRUCTURAL CONSULTANTS, JALANDHAR shall be limited to checking of structural design calculations and drawings only. All procedural /legal /operational matters and architectural / functional details will be the responsibility of the owner.

Sincerely,

ER. AJAY ARORA

M.E. Structures







Superintending Hydrogeologist

भारत सरकार  
केन्द्रीय भूमि जल प्राधिकरण  
जल संसाधन मंत्रालय

Government of India  
Central Ground Water Authority  
Ministry of Water Resources

CGWA/IND/Proj/2014- 1604

No.21-4(643)/NWR/CGWA/2014- 1687

Dated: 16 OCT 2014

To,  
General Manager  
Indian Railway Welfare Organization  
Dy. CE Construction Office Complex  
(Near Railway Station)  
Northern Railway, Chandigarh-160022

**Sub:- NOC for ground water withdrawal to Indian Railway Welfare Organization, in respect of their proposed residential project "Rail Vihar" located at VIP Road, Zirakpur, Village Bishanpura, Tehsil Dera Bassi, District SAS Nagar (Mohali), Punjab – reg.**

Refer to your letter dated 30.6.2014 on the above cited subject. Based on recommendations of Regional Director, Central Ground Water Board, North Western Region, Chandigarh vide their office letter No. 4(172)A-PB/Rail Vihar/NWR/S&I/2014-2160 dated 20.08.2014 and further deliberations on the subject, the NOC of Central Ground Water Authority is hereby accorded to **Indian Railway Welfare Organization, in respect of their proposed residential project "Rail Vihar" located at VIP Road, Zirakpur, Village Bishanpura, Tehsil Dera Bassi, District SAS Nagar (Mohali), Punjab.** The NOC is, however subject to the following conditions:-

1. The firm may abstract **234 m<sup>3</sup>/day** (not exceeding **85,410 m<sup>3</sup>/year**) of ground water, through proposed two (2) deep tubewell only, till Municipal Council Zirakpur's water supply to the area is available. No additional ground water abstraction structures to be constructed for this purpose without prior approval of the CGWA.
2. The wells to be fitted with water meter by the firm at its own cost and monitoring of ground water abstraction to be undertaken accordingly on regular basis, at least once in a month. The ground water quality to be monitored twice in a year during pre monsoon and post monsoon periods.
3. **Indian Railway Welfare Organization**, shall, in consultation with the Regional Director, Central Ground Water Board, North Western Region, Chandigarh implement ground water recharge measures at least to the tune of **21,880 m<sup>3</sup>/year** as proposed, for augmenting the ground water resources of the area within six months from the date of issue of this letter.
4. The photographs of the recharge structures after completion of the same are to be furnished immediately to the Regional Director, Central Ground Water Board, North Western Region, Chandigarh for verification and under intimation to this office.

West Block - 2, Wing - 3, Sector - 1, R.K. Puram, New Delhi - 110066

Tel : 011-26175362, 26175373, 26175379 • Fax : 011-26175369

Website : www.cgwb.gov.in, www.mowr.gov.in

स्वच्छ सुरक्षित जल - सुन्दर खुशहाल कल

CONSERVE WATER - SAVE LIFE

Recd on 27/10/14