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

# Compliance report on conditions imposed in Environmental Clearance for period ending 31-03-2023.

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

i.	"Consent to Operate" shall be obtained from	Compliance Reply
	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/2022/19007755, dated 20/07/2022 and valid till 31/03/2024 under Ain Act and Certificate No. CTOW/ Renewal/SAS/2023/20836902 under Water Ac dated 15/03/2023 and valid till 31/03/2024; 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.	S. Season No.	For Flushing purposes (KLD)	Green area 4495 sqm (KLD)	into MC Sewer (KLD)	
	I.     Summer       2.     Winter       3.     Rainy       b) Storage tank o     provided for the steefforts shall be construction purportioned for the steeper shall be construction purportioned for the steeper shall be constructed for the steeper shall be const	torage of treate made to sup	ed wastewa		
v.	The project pro drinking water sup	oponent shall oply to the hab		safe	Agreed. The individual flat owners have installed their own RO system.
vi.	The wastewater pool(s) shall not shall be reused wi such as horticultur	be discharged ithin the prem	and the s	ame	No Swimming Pool Provided in the Society.
vii.	A proper recon abstraction, water shall be maintaine a record of readin basis.	consumption, d on daily bas	its reuse and its and sha	nd disposal all maintain	Agreed, Water meter is being provided at the submersible pump and STP outlet. Record the same is being maintained and is being checked by CGWA/ PWRDA and PPCB officia during their respective visits.
viii.	Rainwater harvest be operated and r guidelines and m the project propon	naintained pro aintenance sch	perly as p	er CGWA	Agreed. 4 rain water recharging pits of size 8m x 4m has been provided at suitable pock- with dual bore. Thus, total 8 number of rr water recharging pits have been provided. T rain water recharging plan is implemented as p the duly Signed Approved Report on RWH Artificial Recharge to Ground Water of Region Director of CGWB, Chandigarh.
ix.	The facilities segregation, hand of solid waste suc collection centre & be properly main The collected soli The recyclable so authorized vendor be done with th waste shall be co with a minimum the inert solid w	h as chute sys & mechanical tained. d waste shall blid waste shall s for which a ne authorized mposted by m capacity of 0.3	storage & tem, wet a composter be segrege Il be sold written t d recycler echanical Bkg/tenemo	processing & dry bins, r etc. shall ated at site. out to the tie-up must s. Organic composters ent/day and	Agreed. Solid waste is being collected from door to door. The collection, segregati and disposal of the solid waste is being done per the Solid Waste Management Rules, 2016. However, no Mechanical Composter has be installed and neither separate cute system h been provided for dry and wet waste, as no su condition exists in the Building Approval Sanction Plans by the Municipal Counc Zirakpur. Also, Assurance letter has been obtained fro 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 Certifica have also been obtained from Municip Council, Zirakpur vide Letter No. 3756, date 18.02.2020; copy of the same is enclosed <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 being produced except spent oil of DG se which is being given to PPCB approv- 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 a Exit point are so designed that there is no traffic congestion. Photographs showing t 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 fro Municipal Council, Zirakpur vide Letter N 3756, dated: 18.02.2020; copy of the same 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 keep the environment safe. Photographs showing the green area provid within the project premises and along t boundary are attached at Annexure 4.
xiv.	Solar power plant and other solar energy related equipment shall be operated and maintained properly.	Solar Street lights have been provided on the pa 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 bee provided in all 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** Conditions S. No. Reply a) The entire cost of the environmental The budgetary details for activities undertaken under environment plan is enclosed as management management plan will continue to be Annexure 5. 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. Rs. 22.05 lakhs have been spent under The project proponent shall spend Remediation Plan and Natural and minimum amount as proposed in the Community Resource Augmentation Plan. The EMP. details of the activities undertaken are given below: b) The project proponent shall comply • Rs. 7.50 lakhs for construction of rain with the provisions contained in this water harvesting works at Guruduwara Shri Guru Singh Sabha, Lohgarh, Ministry's OM vide F. No. 22-65/2017-Zirakpur dated 12.03.2020. IA.III dated 1st May 2018, regarding • Rs.4.55 lakhs on Horticulture & Green Area Development works at Govt. Sr. Corporate Environment Responsibility Secondary School, Lohgarh, Zirakpur (CER). dated 21.08.2019. • Rs. 7.50 lakhs for Rain Water Harvesting works at Govt. Sr Secondary School, Lohgarh, Zirakpur dated 21.11.2019. Rs. 2.50 lakhs for Horticulture & Green Area Development works at Govt. ITI, Derabassi at Zirakpur dated 21.08.2019. ii. The diesel generator sets to be provided Agreed. Diesel generator sets conform shall conform to the provisions of Diesel to the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Generator Set Rules prescribed under the Environment (Protection) Act, 1986. The exhaust Act, 1986. pipe of DG set if installed must be

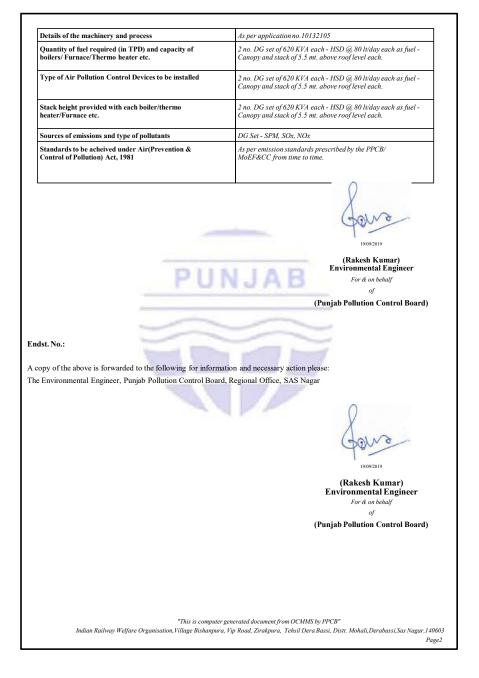
	minimum 10 m away from the building or in case it is less than 10 m away, the exhaust pipe shall be taken up to 3 m above the building.	
	] -C – Conditions common for all the three p ruction Phase and Operation Phase & Entir	
5. No.	Conditions	Reply
i.	Any appeal against this environmental clearance 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</b> <b>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.	<ul> <li>Agreed. All necessary approvals have been obtained as and when required. Such as:</li> <li>Renewal of Consent to Operate has been obtained from PPCB; copy of the same attached as Annexure 1.</li> <li>Assurance letter has been obtained from MC, Zirakpur regarding the solid was collection and disposal; copy of the same attached as Annexure 2.</li> <li>NOC has been obtained from Fi Department; copy of the same is attached along as Annexure 7.</li> <li>Structural Safety Certificate is attached along as Annexure 8.</li> <li>Punjab Water Regulation and Developmen Authority (PWRDA) NOC has been obtained; copy of the same is enclosed a Annexure 9.</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. Howeve the project is in process to hand over to Resident Welfare Associatie (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 environmental clearance is being maintaine 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 & condition including results of monitored data is beir submitted to RO, MoEF&CC, Chandigarh ar 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 o environmental safeguards to officials of statuar 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. 7	Agreed. The Environment Clearance compliance will be uploaded on the website. Also, the display board has bee 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.	РРСВ.
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	No Natural Drain in the Complex.
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.
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Office Di	spatch No :	Registered/Speed Post	Date:	
Industry	Registration ID: 016SAS40744.	35	Application No :	10132105
Го,	Bhupinder Singh Vip Road, Zirakpur, Tehsil Dera Zirakpur,Sasngarpunjab-140603	Bassi, Distt. Sas Nagar		
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	Pollution) Act, 1981, you are hereb	on for obtaining 'Consent to Oper by, authorized to operate an industri Terms and Conditions as mentioned	al unit for discharge of the em	n & Control o ission(s) arisir
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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 (De) shall be calculated from the following equation to determine upstream, downstream distance:-
  - De = 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.

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
hicheve	r is more.	30 meters or using the formula H = 14 Qg0.3 or H = 74 (Qp)0.24 Where Qg = Quantity of SO2 in Kg/hr. a Qge-Qdamby στρακισμέσιματαί from nelevant formula
	he corresponding steam generation.	ria for selection of stack height would be based on fuel
iii) Stack	height for diesel generating sets:	

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Indian Railway Welfare Organisation, Village Bishanpura, Vip Road, Zirakpura, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar, 140603 Page3

0-50KVA       Height of the building       + 1.5 mt         50-100KVA       -do-       + 2.0 mt.         100-150KVA       -do-       + 2.5 mt.         For higher KVA rating stack height H (in meter) shall be worked out according to the formula:         150-200KVA       H=h+0.24KVA)0.5       + 3.0 mt.         where h= height of the building in meters where the generator set is installed.       The pollution control equipment shall be altered or replaced in accordance with the directions of Board, and no pollution control equipment or chinney shall be altered or as the case may be crected or crected except with the prior approval of the Board.       +3.5 mt.         The existing pollution control equipment or chinney shall be altered or as the case may be crected or crected except with the prior approval of the Board.       The Existing pollution control equipment or chinney shall be altered or sub case may be crected or crected except with the prior approval of the Board.       The Existing pollution control equipment or Science, Technology & Environment vide its notification no 4/46 38T/2839 dt. 29/12/1993 has put prohibition on the use of rice husk as fuel after 1.4.1995 except following:         The industry shall submit a yearly certificate to the effect that no addition / up-gradation/ modified modernization has been carried out during the previous year otherwise the industry shall submit a yearly certificate to time for such type of industry emission.         a)       The industry shall ensure that any time the emission do not exceed the prescribed emission standards had down by the Board from time to time for such type of industry emission. <th>50-100 100-150 For hig 150-200 where F The politic regulation 200-250 200-250 The exit Board, erected 200-250 The south the politic regulation 200-250 The south 150-200 200-250 The south 150-200 200-250 The south 150-200 200-250 The south 150-200 200-250 The south 150-200 200-250 The south 150-200 200-250 The south 150-200 200-250 The south 150-200 200-250 The south 150-200 The sout</th> <th>KVA 0KVA ther KVA ratim 0KVA 1 = height of the lution control ci latoperation. sting pollution of and no pollution except with the <b>DKKYA</b> will provi tion No GSR nment (Protect) vt. of Punjab, I 39 dt. 29/12/15 ng:-</th> <th>building in mete evices shall be i control equipmen a control equipm prior approval c de canopy and ac 371 E dated 1 ion) Act, 1986</th> <th>-do- -do- <b>I (in meter) shall</b> I H = h+0.2  (KV ers where the gener interlocked with the -do- the altered o the altered o</th> <th>be worked or A)0.5 ator set is ins e manufactur r replaced in all be altered the D.G sets</th> <th>+ 2.0 mt. + 2.5 mt. att according to the formula: + 3.0 mt. talled. ing process of the industry to ens + 3.5 mt. accordance with the directions of or as the case may be erected or</th>	50-100 100-150 For hig 150-200 where F The politic regulation 200-250 200-250 The exit Board, erected 200-250 The south the politic regulation 200-250 The south 150-200 200-250 The south 150-200 200-250 The south 150-200 200-250 The south 150-200 200-250 The south 150-200 200-250 The south 150-200 200-250 The south 150-200 200-250 The south 150-200 200-250 The south 150-200 The sout	KVA 0KVA ther KVA ratim 0KVA 1 = height of the lution control ci latoperation. sting pollution of and no pollution except with the <b>DKKYA</b> will provi tion No GSR nment (Protect) vt. of Punjab, I 39 dt. 29/12/15 ng:-	building in mete evices shall be i control equipmen a control equipm prior approval c de canopy and ac 371 E dated 1 ion) Act, 1986	-do- -do- <b>I (in meter) shall</b> I H = h+0.2  (KV ers where the gener interlocked with the -do- the altered o the altered o	be worked or A)0.5 ator set is ins e manufactur r replaced in all be altered the D.G sets	+ 2.0 mt. + 2.5 mt. att according to the formula: + 3.0 mt. talled. ing process of the industry to ens + 3.5 mt. accordance with the directions of or as the case may be erected or
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- (i) All failures of control equipments.
- 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 (ii) Factories, Punjab, Chandigarh as required under rule 10 of the Punjab State Board for the Prevention and Control of Air Pollution Rules, 1983'.
- 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. 19.
- 20. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable.
- 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 make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:-22
  - (i) Once in Year for Small Scale Industries.

23.

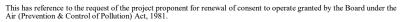
- Twice/thrice/four time in a Year for Large/Medium Scale Industries. (ii)
- The industry shall maintain the following record to the satisfaction of the Board :-
- Log books for running of air pollution control devices or pumps/motors used for it. (i)
- (ii) Register showing the result of various tests 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
- 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 the 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. 24.
- 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. 25.
- 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 26. to time.
- 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. 27.
- 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. 28
- 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. 29.
- 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. 30
- 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. 31.
- 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. 32.
- 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. 33.
- 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. 34.
- The industry shall obtain and submit Insurance cover under the Public Liability Insurance Act, 1991. 35.
- The industry shall provide proper and adequate air pollution control arrangements for control emission from its fuel handling area, if applicable. 36.

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

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.	<image/>
	"This is computer generated document from OCMMS by PPCB" Indian Railway Welfare Organisation, Village Bishanpura, Vip Road, Zirakpura, Tehsil Dera Bassi, Distt. Mohali,Derabassi,Sas Nagar, 140603 Page6
	14200

Gurdeep Singh Rail Vihar, At Vip Road, Zirakţ Zirakpur,Mohali-140603		Date: Application No :	13678339
, Gurdeep Singh Rail Vihar, At Vip Road, Zirakț Zirakpur,Mohali-140603	ur, Distt. Mohali	Application No :	1367833
Rail Viĥar, At Vip Road, Zirakp Zirakpur,Mohali-140603	,		
bject: Extension in the validity of cons	ent to operate under Air (Prevention and Co		
articulars of Consent to Operate under	Air Act, 1981 granted to the industry	ntrol of Pollution) A	Act, 1981.
Consent to Operate Certificate No.	CTOA/Renewal/SAS/2020/1367	78339	
Date of issue :	16/12/2020		
Date of expiry :	31/03/2021		
Certificate Type :	Renewal		
Previous CTO No. & Validity :	CTOA/Fresh/SAS/2019/101321 From: 19/09/2019 To:3	05 1/03/2020	
and could be the industry			
Name & Designation of the Applicant			
	Gurdeep Singh, (Project Manag	ger)	
Address of Industrial premises	Gurdeep Singh, (Project Manag Indian Railway Welfare Organi Vihar, Village Bishanpura, At V Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar-140603	isation (irwo)/ Rail Vil	
	Indian Railway Welfare Organi Vihar, Village Bishanpura, At V Dera Bassi, Distt. Mohali,	isation (irwo)/ Rail Vil	
Capital Investment of the Industry	Indian Railway Welfare Organi Vihar, Village Bishanpura, At V Dera Bassi, Distt. Mohali, Derabassi,Sas Nagar-140603	isation (irwo)/ Rail Vil	
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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.

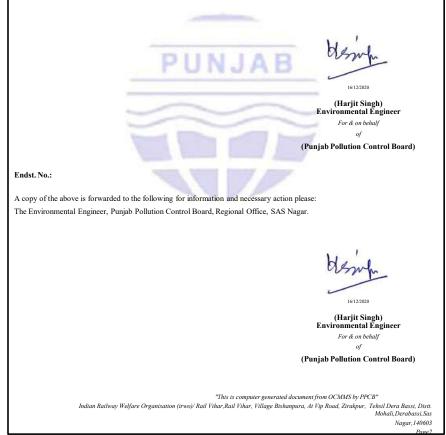
2. The project proponent shall properly handle and manage the solid waste as per the provisions of the Solid Waste Management Rules 2016.

3. The project proponent shall provide mechanical composter of capacity 535 kg/ day for composting of bio-degradable waste within 2 months.

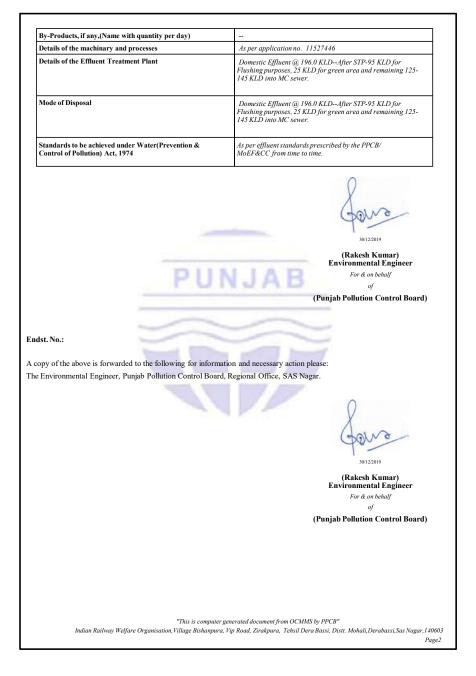
4.The promoter shall provide a buffer zone of green belt (dense populated trees with pleasant fragrance) around the sewage treatment plant, so as to reduce the effect of odor problem on the nearby residential area.

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.



DUN		PUNJAB	POLLUTION CONTROL BOARD	
PUN.	JAB	Zonal Office	e-I, Vatavaran Bhawan, Nabha Road, Patiala	
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ffice Dis	patch No :	Regist	tered/Speed Post Date:	
ndustry	Registration ID:	O16SAS4074435	Application No :	11527446
),	Bhupinder Singh Vip Road, Zirakp Zirakpur,Sasnga	our, Tehsil Dera Bassi, Di	stt. Sas Nagar	
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	25/26 of Water (F	Prevention & Control of Po	ining 'Consent to Operateī <sub>k</sub> <sup>1</sup> / <sub>2</sub> an outlet for discharge of ollution) Act, 1974, you are, hereby, authorized to oper at of your premises subject to the Terms and Conditions	ite an indust
-	ars of Consent to C		, 1974 granted to the industry	
		ate No.	CTOW/Fresh/SAS/2019/11527446	
	•	ate No.	CTOW/Fresh/SAS/2019/11527446 30/12/2019	
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#### TERMS AND CONDITIONS

#### A. GENERAL CONDITIONS

- This consent is not valid for getting power load from the Punjab State Power Corporation Limited or for getting loan from the financial institutions. 1.
- 2. The industry shall apply for renewal/further extension in validity of consent atleast two months before expiry of the consent
- The industry shall ensure that the effluent discharging through the authorized outlet shall confirm to the prescribed standards as applicable from time to time. 3.
- 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. 4.
- 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. 5.
- 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 6.
- 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. 7.
- The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th 8. June of every year.
- 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 9. consent.
- 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. 10.
- 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. 11.
- 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. 12.
- 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. 13.
- 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. 14.
- 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. 15.
- 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. 16.
- The industry shall provide online monitoring equipment  $i_{c}^{\lambda/s}$  for the parameters as decided by concerned Regional Office with the effluent treatment plant/air pollution control devices installed, if applicable. 17.
- The pollution control devices shall be interlocked with the manufacturing process of the industry. 18.
- 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 dated14/9/06, if applicable.
- The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 21. 1991.
- 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 22. 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.
- 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.
- Drains causing oil & grease contamination shall will be segregated. Oil & grease trap shall be provided to recover oil & grease from the effluent.

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Indian Railway Welfare Organisation, Village Bishanpura, Vip Road, Zirakpura, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar, 140603 Page4

- 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)

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PUNJAB		POLLUTION CONT , Vatavaran Bhawan, Na Website:- <u>www.ppcb.gov.in</u>		
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ndustry Registration ID:	O16SAS4074435		Application No :	1367838
Zirakpur,Mohali-1	lidity of consent to opera	ate under Water (Preventio		Act, 1974.
Consent to Operate Certificate	a Na	CTOW/Renewal/SAS/20	120/12678281	
Date of issue :		16/12/2020	20/150/0501	
Date of expiry :	- PU	31/03/2021		
Certificate Type :		Renewal		
Previous CTO No. & Validity		CTOW/Fresh/SAS/2019	111527446	
Particulars of the Industry	mlicant	Gurdeep Singh, (Projec	t Managar)	
Address of Industrial premise		Indian Railway Welfare	Organisation (irwo)/ Rail Vih ura, At Vip Road, Zirakpur, Ta ıli,	
Capital Investment of the Indu	astry	16075.42 lakhs		
Category of Industry		Red		
			s, Township & Area developm notification dated 14/9/06	nent (
Type of Industry				
Type of Industry Scale of the Industry		Large		



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.

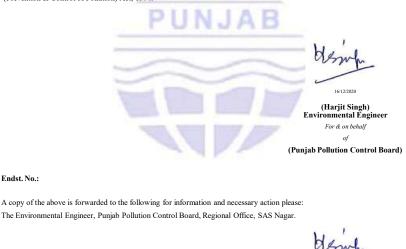
4.The project proponent shall install one more rain water harvesting pit/ bore well in compliance to the Environmental Clearance granted to it within one month.

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.

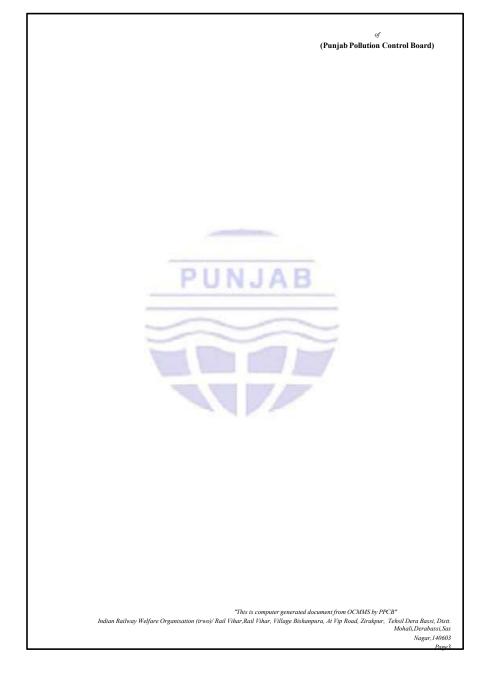
The project proponent shall be bound to comply with all the conditions imposed in the original consent to operate granted to it under the Water (Prevention & Control of Pollution) Act, 1974 as well as above mentioned conditions.

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

"This is computer generated document from OCMMS by PPCB" Indian Railway Welfare Organisation (irwo)/ Rail Vihar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Tehsil Dera Bassi, Jost. Mohali,Derabassi,Sas Nagar, 140603



Date:       Application No :     1546373       25 of the Water (Prevention & Control of Pollution) Act, 197       4 granted to the industry       CTOW/Renewal/S4S/2021/15463732       08/06/2021       31/03/2022       Renewal       CTOW/Renewal/S4S/2020/13678381       From:16/12/2020       To:31/03/2021
25 of the Water (Prevention & Control of Pollution) Act, 197 4 granted to the industry CTOW/Renewal/SAS/2021/15463732 08/06/2021 31/03/2022 Renewal CTOW/Renewal/SAS/2020/13678381
4 granted to the industry CTOW/Renewal/SAS/2021/15463732 08/06/2021 31/03/2022 Renewal CTOW/Renewal/SAS/2020/13678381
08/06/2021 31/03/2022 Renewal CTOW/Renewal/SAS/2020/13678381
31/03/2022 Renewal CTOW/Renewal/SAS/2020/13678381
Renewal CTOW/Renewal/SAS/2020/13678381
CTOW/Renewal/SAS/2020/13678381
From:16/12/2020 To:31/03/2021
Indian Railway Welfare Organisation (irwo)/ Rail Vihar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Tehsil Dera Bassi, Disti. Mohah,
Building, Const. projects, Township & Area development covered under EIA notification dated 14/9/06
Large
Rail Vihar, Village Bishanpura, At Vip I

All the term and conditions same as mentioned in the original consent no. CTOW/Renewal/SAS/2020/13678381 dated 16/12/2020, valid upto 31/03/2021 issued to the project proponent. This extension letter may be appended with the original consent letter issued to the project proponent and subsequent extensions letters with an additional condition as under:

 The project proponent shall comply with the conditions of the environmental clearance granted vide no. DECC/SEIAA/2019/311 dated 02.04.2019 by the SEIAA, Punjab, in true letter & spirit.

 The project proponent shall properly handle and manage the solid waste as per the provisions of the Solid Waste Management Rules 2016. The project proponent shall provide mechanical composter of capacity 535 kg/ day for composting of biodegradable waste within one month.

3. The project proponent shall regularly operate & maintain its sewage treatment plant (STP) and the treated effluent shall be utilized for flushing purpose or discharged onto land for plantation / irrigation or into MC sewer conforming to the effluent standards prescribed by the Board for such discharges. Further, the promoter company shall maintain proper record regarding the operation of its sewage treatment plant (STP) at all times and make it available to the officer of the Board during the conduct of visit, without fail.

4. The project proponent shall ensure that no effluent from plantation area is going into any choe / drain directly or indirectly.

5. The project proponent maintain the record on daily basis of water meter installed on the submersible pump(s) and at the outlet(s) of sewage treatment plants.

6. The project proponent shall install flow measuring devices with supply lines of treated wastewater being reused for flushing purpose & for irrigation purpose and maintain record regarding the same on daily basis.

7. The project proponent shall carry out additional plantation of odour absorbing and fragrant trees/ plants along the STP in the upcoming monsoon season, so as to rule out the effect of odor problem on the nearby residential area.

8. The project proponent shall get the NOC granted by the CGWA updated in congruence to the ground water abstraction limit mentioned in the Environment Clearance granted to it i.e. 245 KLD. Moreover, the project proponent shall explore the possibility of getting Municipal Supply of water from MC, Zirakpur if the supply lines are feasible to be laid in the area.



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Endst. No.:

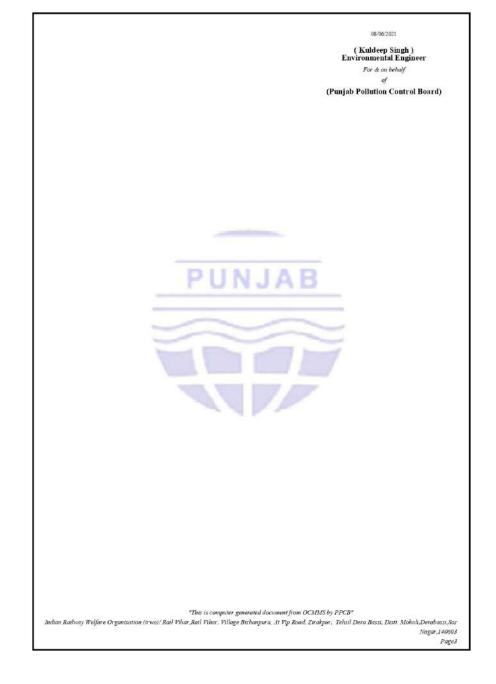
A copy of the above is forwarded to the following for information and necessary action please: The Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar. He shall visit the project site to monitor the STP / project site and to verify the mode of disposal as per protocol of the Board and send the report in case of violation under the environmental laws, observed, if any.

THUT

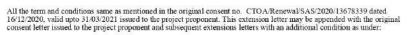
Dated:

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Indian Rathway Welfare Organisation (irwo)/ Rail Vihar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Teksil Dera Bassi, Distt. Mohah,Derabassi,Sas Nagar,140603 Page2



Office Dispatch No :		ered/Speed Post	Date:	0.100324.00
Industry Registration ID:	O16SAS4074435		Application No :	1546322
o, Gurdeep Singh Rail Vihar, At Vip Zirakpur,Mohali- Ibject: Renewal of Conser Particulars of Consent to Oj	140603 nt to Operate under section	on 21 of the Air (Prevention	a & Control of Pollution) A	.ct, 1981.
Consent to Operate Certif	icate No.	CTOA/Renewal/SAS/	2021/15463228	
Date of issue :		08/06/2021		
	PU	31/03/2022		
Date of expiry :				
-		Renewal		
Date of expiry : Certificate Type : Previous CTO No. & Valid	dity :	Renewal CTOA/Renewal/SAS/ From:16/12/2020	2020/13678339 To:31/03/2021	
Date of expiry : Certificate Type : Previous CTO No. & Valid	Î	CTOA/Renewal/SAS/	To:31/03/2021	
Date of expiry : Certificate Type : Previous CTO No. & Valid Particulars of the Industry	e Applicant	CTOA/Renewal/SAS/ From:16/12/2020	To:31/03/2021 ect Manager) re Organisation (irwo)/ Rat shanpura, At Vip Road, Zirv shumpura, At Vip Road, Zirv shumpura, At Vip Road, Zirv	l Vihar, akpur,
Date of expiry : Certificate Type : Previous CTO No. & Valid Particulars of the Industry Name & Designation of the	e Applicant nises	CTOA/Renewal/SAS From:16/12/2020 Gurdeep Singh, (Proj İndian Railway Welfa Rail Vihar, Village B Tehsil Dera Bassi, Di	To:31/03/2021 ect Manager) re Organisation (irwo)/ Rat shanpura, At Vip Road, Zirv shumpura, At Vip Road, Zirv shumpura, At Vip Road, Zirv	l Vihar, akpur,
Date of expiry : Certificate Type : Previous CTO No. & Valid Particulars of the Industry Name & Designation of the Address of Industrial prem	e Applicant nises	CTOA/Renewal/SAS From:16/12/2020 Gurdeep Singh, (Proj İndian Railway Welfa Rail Vihar, Village Bi Tehsil Dera Bassi, Derabassi,Sas Nagar	To:31/03/2021 ect Manager) re Organisation (irwo)/ Rat shanpura, At Vip Road, Zirv shumpura, At Vip Road, Zirv shumpura, At Vip Road, Zirv	l Vihar, akpur,
Date of expiry : Certificate Type : Previous CTO No. & Valid Particulars of the Industry Name & Designation of the Address of Industrial pren Capital Investment of the	e Applicant nises	CTOA/Renewal/SAS From:16/12/2020 Gurdeep Singh, (Proj Indian Railway Welfa Rail Vihar, Village B Tehstl Dera Bassi, Di Derabassi, Sas Nagar 16075.42 lakhs Red Building, Const. proj	To:31/03/2021 ect Manager) re Organisation (irwo)/ Rat shanpura, At Vip Road, Zirv shumpura, At Vip Road, Zirv shumpura, At Vip Road, Zirv	akpur, lopment
Date of expiry : Certificate Type : Previous CTO No. & Valid Particulars of the Industry Name & Designation of the Address of Industrial pren Capital Investment of the I Category of Industry	e Applicant nises	CTOA/Renewal/SAS From:16/12/2020 Gurdeep Singh, (Proj Indian Railway Welfa Rail Vihar, Village B Tehstl Dera Bassi, Di Derabassi, Sas Nagar 16075.42 lakhs Red Building, Const. proj	To:31/03/2021 ect Manager) re Organisation (irwo)/ Rat shanpura, At Vip Road, Zir, sti. Mohali, -140603 ects, Township & Area deve	akpur, lopment



 The project proponent shall comply with the conditions of the environmental clearance granted vide no. DECC/SEIAA/2019/311 dated 02.04.2019 by the SEIAA, Punjab, in true letter & spirit.

 The project proponent shall properly handle and manage the solid waste as per the provisions of the Solid Waste Management Rules 2016. The project proponent shall provide mechanical composter of capacity 535 kg/ day for composting of biodegradable waste within one month.

3. The project proponent shall regularly operate & maintain its sewage treatment plant (STP) and the treated effluent shall be utilized for flushing purpose or discharged onto land for plantation / irrigation or into MC sewer conforming to the effluent standards prescribed by the Board for such discharges. Further, the promoter company shall maintain proper record regarding the operation of its sewage treatment plant (STP) at all times and make it available to the officer of the Board during the conduct of visit, without fail.

4. The project proponent shall ensure that no effluent from plantation area is going into any choe / drain directly or indirectly.

5. The project proponent maintain the record on daily basis of water meter installed on the submersible pump(s) and at the outlet(s) of sewage treatment plants.

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7. The project proponent shall carry out additional plantation of odour absorbing and fragrant trees/ plants along the STP in the upcoming monsoon season, so as to rule out the effect of odor problem on the nearby residential area.

8. The project proponent shall get the NOC granted by the CGWA updated in congruence to the ground water abstraction limit mentioned in the Environment Clearance granted to it i.e. 245 KLD. Moreover, the project proponent shall explore the possibility of getting Municipal Supply of water from MC, Zirakpur if the supply lines are feasible to be laid in the area.

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08/06/2021
( Kuldeep Singh ) Environmental Engineer
For & on behalf
For a on benay
of
(Punjab Pollution Control Bo

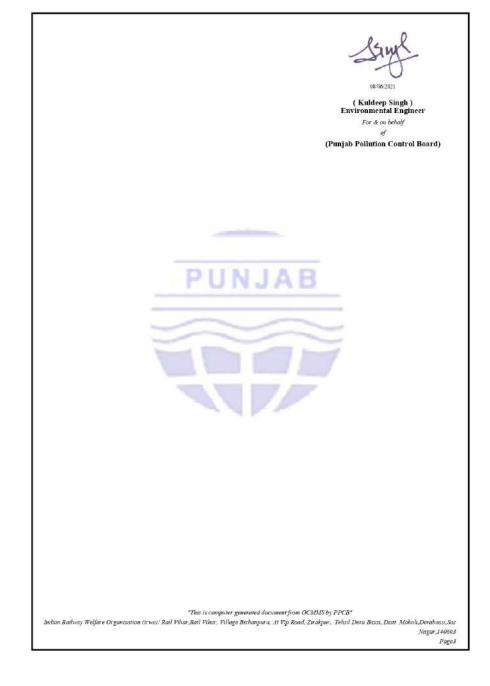
Dated:

Endst. No.:

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. He shall to monitor the project site as per protocol of the Board and send the report in case of violation under the environmental laws, observed, if any.

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	"This is computer generated document from OCMMS by PPCB"
Indi	han Railway Welfare Organisation (irwo)/ Rail Vihar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Tehsil Dera Bassi, Distt. Mohali,Derabassi,Sas
	Nagar,140603
	Page2



	Regist	ered/Speed Post	Date:	
ndustry Registration ID:	O16SAS4074435		Application No :	1900775
o, Gurdeep Singh Rail Vihar, At Vip Zirakpur, Mohai- Ibject: Renewal of Conse Particulars of Consent to O	140603 nt to Operate under section		on & Control of Pollution) A	.ct, 1981.
Consent to Operate Certif	iicate No.	CTOA/Renewal/SAS	/2022/19007755	
Date of issue :	DII	20/07/2022		
Date of expiry :	PU	31/03/2024		
Certificate Type :		Renewal		
Previous CTO No. & Valid	dity :	CTOA/Renewal/SA3 From:08/06/2021	V2021/15463228 To:31/03/2022	
Particulars of the Industry Name & Designation of th	e Applicant	From:08/06/2021 Gurdeep Singh, (Pro	To:31/03/2022 gject Officer)	
Particulars of the Industry	e Applicant	From:08/06/2021 Gurdeep Singh, (Pr Indian Railway Wel	To:31/03/2022 oject Officer) fare Organisation (irwo)/ Rai Bishanpura, AV Vip Road, Zira Jisti Mohali.	l Vihar, akpur,
Particulars of the Industry Name & Designation of th	e Applicant nises	From:03/06/2021 Gurdeep Singh, (Pro Indian Railway Wel Rail Vihay, Village Tehsil Dera Basi	To:31/03/2022 oject Officer) fare Organisation (irwo)/ Rai Bishanpura, AV Vip Road, Zira Jisti Mohali.	l Vihar, akpur,
Particulars of the Industry Name & Designation of th Address of Industrial pren	e Applicant nises	From:08/06/2021 Gurdeep Singh, (Pro Indian Railway Wel Rail Vihar, Village, Tehsil Dera Bassi,Sas Naga	To:31/03/2022 oject Officer) fare Organisation (irwo)/ Rai Bishanpura, AV Vip Road, Zira Jisti Mohali.	l Vihar, ikpur,
Particulars of the Industry Name & Designation of th Address of Industrial prer Capital Investment of the	e Applicant nises	From:08/06/2021 Gurdeep Singh, (Pr Indian Railway Wel Rail Vihay, Village Tehsil Dera Bassi, J Derabassi,Sas Naga 16075.42 lakhs Red Building, Const. pro	To:31/03/2022 oject Officer) fare Organisation (irwo)/ Rai Bishanpura, AV Vip Road, Zira Jisti Mohali.	akpur, lopment
Particulars of the Industry Name & Designation of th Address of Industrial pren Capital Investment of the Category of Industry	e Applicant nises	From:08/06/2021 Gurdeep Singh, (Pr Indian Railway Wel Rail Vihay, Village Tehsil Dera Bassi, J Derabassi,Sas Naga 16075.42 lakhs Red Building, Const. pro	To:31/03/2022 oject Officer) fare Organisation (irwo)/ Rai Bishanpura, AI Vip Road, Zira Disti, Moholi, r-140603 jects, Township & Area devel	akpur, lopment

All the term and conditions same as mentioned in the original consent no. CTOA/Renewal/SAS/2021/15463228 dated 8/6/2021, valid upto 31/03/2022 issued to the project proponent. This extension letter may be appended with the original consent letter issued to the project proponent and subsequent extensions letters with an additional condition as under:

 The project proponent shall comply with the conditions of the environmental clearance granted vide no. DECC/SEIAA/2019/311 dated 02.04.2019 by the SEIAA, Punjab, in true letter & spirit.

 The project proponent shall properly handle and manage the solid waste as per the provisions of the Solid Waste Management Rules 2016. The project proponent shall provide mechanical composter of capacity 535 kg/ day for composting of biodegradable waste within one month.

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8. The project proponent shall get the NOC granted by the CGWA updated in congruence to the ground water abstraction limit mentioned in the Environment Clearance granted to it i.e. 245 KLD. Moreover, the project proponent shall explore the possibility of getting Municipal Supply of water from MC, Zirakpur if the supply lines are feasible to be laid in the area.

9. The project proponent may also develop the vermicomposting/composting to manage the biodegradable solid waste. PP shall not throw, burn or bury any solid wastes in open, outside premises or in drain / water bodies.

10. The project proponent shall promote use of alternatives of single use plastics (SUP) and awareness to discourage use of plastic, through their Corporate Environment Responsibility (CER) activities.

11. The project proponent shall ensure that there are no usages of single use plastic- thermocol disposable items such as water bottles / water pouches/water cups, plates, forks, spoons, straw etc. and single use decorating material made of plastic-thermocal or any other non-biodegradable material in the premises.

12. The project proponent shall properly handle and manage the solid wastages as per the provisions of the Municipal Solid Waste Rules 2016 and ensure that the solid waste is segregated & disposed of in an environmentally sound manner.

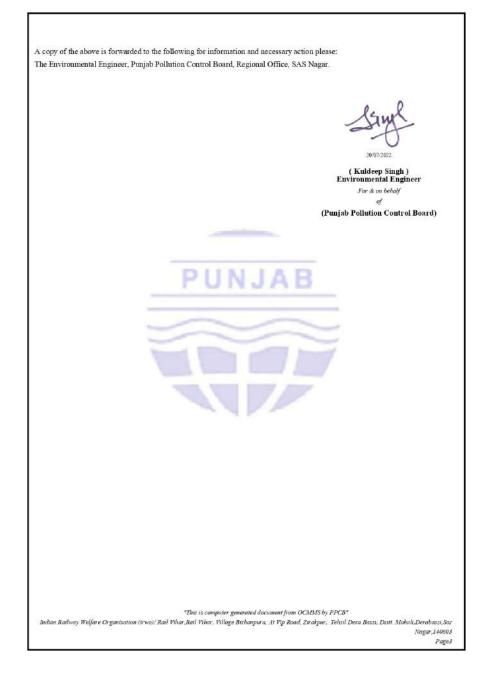
( Kuldeep Singh ) Environmental Engineer For & on behalf of

(Punjab Pollution Control Board)

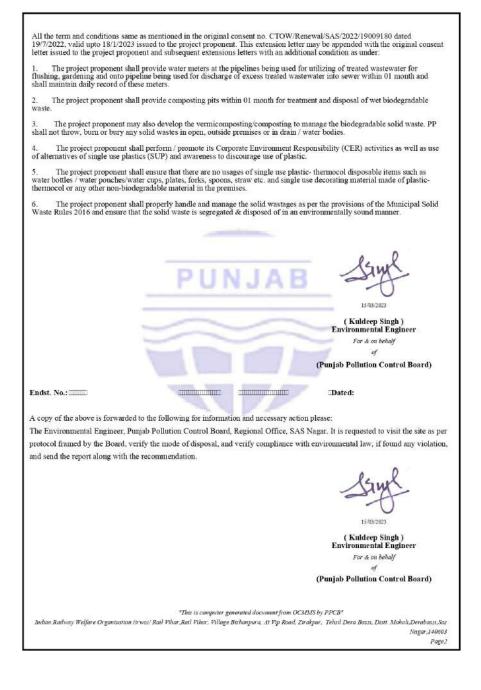
Endst. No.:

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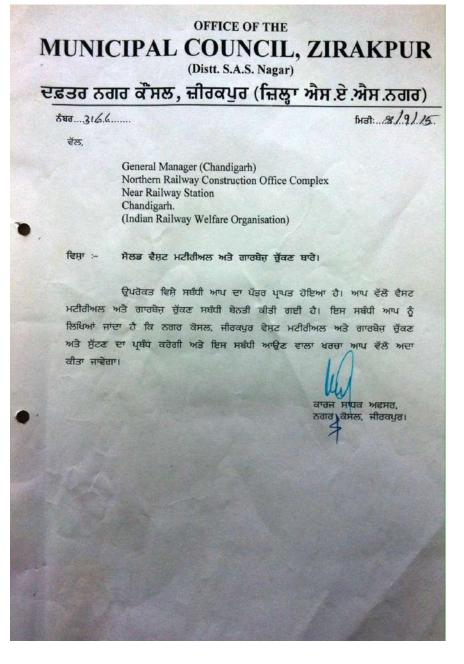
"This is computer generated document from OCMMS by PPCB" Indian Railway Welfare Organisation (irwo)/ Rail Viliar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Telxil Dera Bassi, Distt. Mohah,Derabassi,Sas Nagar,140603



Date: Application No : 2083690 Prevention & Control of Pollution) Act, 197 industry
Prevention & Control of Pollution) Act, 197
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h, (Project Officer) vy Welfare Organisation (irwo)/ Rail Vihar, Ilage Bishanpura, At Vip Road, Zirakpur, Jassi, Distt. Mohali,
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st. projects, Township & Area development under EIA notification dated 14/9/06
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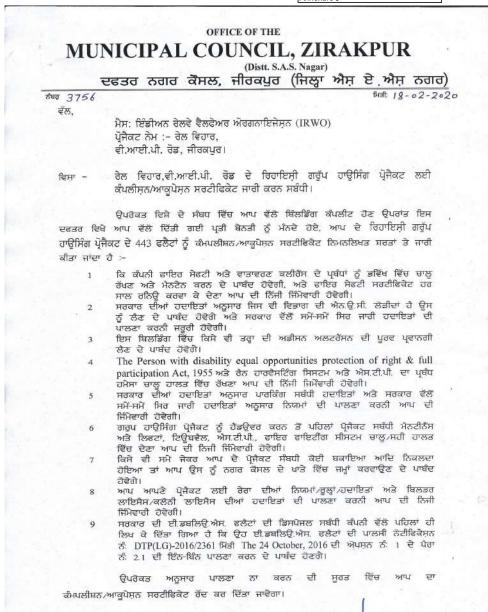


Annexure 2



ems Annexure

Annexure 3



ਕਾਰਜ ਸੰਧੁਕ ਅਫਸਰ, ਨਗਰ ਕੋਸਲ ਜੀਰਕਪੁਰ।

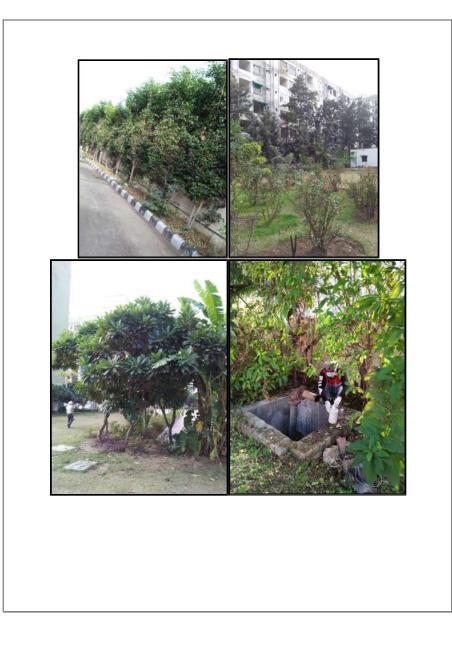




Parking Area



<u>First Aid</u> <u>Kit</u>





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
	TOTAL	138.92

Date: 05-02-2019

For Indian Railway Welfare Organization

Sklalen (S K Patni) Additional General Manager Finance

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

Head Office : Railway Offices' Complex, Shivaji Bridge (Behind Shankar Market), New Delhi-110001 Phone : P&T 23413627 Fax : 23411173, RLY: 2-3527, 2-3495 e-mail : support@irwo.net Website : www.irwo.net

### Annexure 6

### CENTRE FOR INDUSTRIAL TESTING AND RESEARCH ORGANIZATION Registered with Ministry of MSME, Govt. of India

(An ISO: 9001:2015 Certified Company) GST No. 03AANFC5010D125



	ab								June 1
			TEST REPOI		Page 01 of 0 Format No.		RO/0	OSF/071	6
ISSUE				Report No.				/020322/	
M/s Ine	dian Railway Wel	fare Organizatio	m	Issue date		-	3.2022		0.2(1)
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3	Particulate Matte		IS 5182			Max.		8	9
4	Particulate Matte	er (PM2.5), µg/m <sup>3</sup>	CITRO/QC	STP/022	60	Max.	-	5	51)
5	Ozone (O3), µg/n	n <sup>3</sup>	IS 5182	(P-9)	180	0 Max.		BLO(LC	Q:14.0)
6	Ammonia (NH3),	, μg/m³	IS 5182	(P-25)	400	0 Max.		BLO (L	
		ry Information:						1000 (0)	0010107
1. Re	eference to Sampling	g Procedure					CITR	O/QC/SO	P/026
2. St	pporting Documents	s for the Measurem	ents Taken and Result	ts Derived Like	e:		NA		
G	raphs/Tables/Sketche	s/Photographs as A	ppropriate to the Tes	t Report (if any	y)		(60.06)		
3. A	ddition to, Deviation	s, or Exclusions fro	m the Relevant Testa	whethod/Work	Instructions (if	any)	NA		
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(Reviev Disclaime	3. Sample stored after	analysis as per Quality : waharpur, opposi	te to Ind Swift Fac	tory,	I (Aut I to invoiced amou	horized nt only.	d Sign	atory)	
(Reviev Disclaime	3. Sample stored after	analysis as per Quality : waharpur, opposi	System Procedure	tory,	(Aut (Aut I to invoiced amou	horized mt only.	d Sign	atory)	-9
(Reviev Disclaime Addr Emai	<ul> <li>a. Consequences of the stored after</li> <li>consequences of the stored after</li> <li>conseq</li></ul>	waharpur, opposi , Distt-SAS Nag olab.com	te to Ind Swift Fac ar, Punjab-140507	tory,	(Aut to invoiced amou	horized	d Sign		~
(Reviev Disclaime Addr Emai	<ul> <li>Sample stored after</li> <li>ess : Village-Jav</li> <li>Derabassi,</li> </ul>	waharpur, opposi , Distt-SAS Nag olab.com	te to Ind Swift Fac ar, Punjab-140507	tory,	(Aut to invoiced amou		d Sign		$\rightarrow$
(Review Disclaime Addr Emai Conta	<ul> <li>a. Consequences of the stored after</li> <li>consequences of the stored after</li> <li>conseq</li></ul>	waharpur, opposi , Distt-SAS Nag olab.com 969439, +91-956	te to Ind Swift Fac ar, Punjab-140507	tory,	(Aut to invoiced amou		d Sign		$\geq$



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				TEST RE	PORT		age 01 of 0 ormat No.		RO/QSF/0716
ISSUED				Report	No.		CITRO/QC	/02032	22/012(2)
	an Railway W tr, Zirakpur	'elfare Orga	nization	Issue da	te		14.03.2022		
	(140507)			Reg. No	& Date		22-03-06 &	2 02.03	.2022
24				Custom	er Ref. &	Date	NA		
Sample R	eccipt Date: 02	2.03.2022	Analysis S	tart Date: 02	03.2022	Anal	ysis Comple	tion D	ate: 14.03.2022
	A. Particular	s of the Sam	ple: (Supplied	by Custome	er)				
Name of	Sample	Ambic	ent Air Quality		Testing as	Per	NA.	AQS 20	009
Disciplin	e	Chemi	cal		Group		Atr	nosphe	ric Pollution
	2. Date of Mc 3. Purpose of 4. Duration o 5. Avg. Flow 6. Volume of 7. Avg. Ambi B. Test Resul	Monitoring f Monitoring Rate of Sam air sampled ent Temper	g, minutes pling, m3/min , m3	: 1440	ironment	Monite	oring Purpos	e.	
Sr. No.	Test Parame	ters		Test Me	thod		Requirem		Test Result
1	Carbon Mono	xide (CO), n	ng/m³	CITRO/QC/	STP/028		4 Max		2.2
	C. Supplemen		nation:						
	erence to Sampli	no Desselves						CIT	RO/QC/SOP/026

 Supporting Documents for the Measurements Taken and Results Derived Like:
 NA

 Graphs/Tables/Sketches/Photographs as Appropriate to the Test Report (if any)
 Addition to, Deviations, or Exclusions from the Relevant Test Method/Work Instructions (if any)
 NA

 **D. Remarks:** NA: - Not Applicable, NAAQS: National Ambient Air Quality Standard
 Standard

Native 14-03-2022 Nancy Pathania





(Reviewed By)

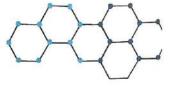
Disclaimer: 1. Test results are related only to the items/sample tested, total liability of this lab is limited to invoiced amount only. 2. Test report in full or parts shall not be used for promotional or publicity purpose. 3. Sample stored after analysis as per Quality System Procedure

Address : Village-Jawaharpur, opposite to Ind Swift Factory, Derabassi, Distt-SAS Nagar, Punjab-140507

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Contact us: +91-8528969439, +91-9560228522

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GST No. 03AANFC5010D1Z5



		TEST R		Page 0 ormat No. : C	1 of 01 CITRO/QSF/0716
ISSUED TO:			Report N	lo.	CITRO/QC/020322/013
M/s Indian Railwa		nization	Issue dat	e	10.03.2022
Rail Vihar, Zirakp			NABL U	LR No.	TC89532000000812F
(Punjab) (140507)			Reg. No.	& Date	22-03-06 & 02.03.2022
			Custome	r Ref. & Date	NA
Sample Receipt Dat		Analysis Start Date: 02	03.2022	Analysis Con	mpletion Date: 10.03.2022
A. Par	ticulars of the Sa	ample: (Supplied by Cust	tomer)		
Name of Sample	Ambient Noise	3	Testing as Pe	r EPA-1	986, PCLS/02/2021
Discipline	Chemical		Group	C	spheric Pollution

### General Information:

1. Location of Monitoring	: Near Main Gate
2.Date of Monitoring	: 02.03.2022
3. Time of Monitoring	: 13:20 hrs
4. Purpose of Monitoring	: For Environment Monitoring Purpose.

#### **B. Test Results:**

Sr. No.	Location Name	Test Method	Requirement	Test Results, Leq dB (A)
1	Near Main Gate , Leq dB(A)	CPCB Guidelines	75.0 Max.	54.2

1.	Reference to Sampling Procedure	CITRO/QC/SOP/026
2.	Supporting Documents for the Measurements Taken and Results Derived Like: Graphs/Tables/Sketches/Photographs as Appropriate to the Test Report (if any)	NA
3.	Addition to, Deviations, or Exclusions from the Relevant Test Method/Work Instructions (if any)	NA

D. Remarks: NA:- Not Applicable

Test Ret a Bassi



Technical Head

Nathanse 10-03-2022 Nancy Pathania

#### (Reviewed By)

(Authorized Signatory)

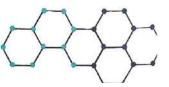
Disclaimer: 1. Test results are related only to the items/sample tested, total liability of this tab is limited to invoiced amount only. 2. Test report in full or parts shall not be used for promotional or publicity purpose. 3. Sample stored after analysis as per Quality System Procedure: Address : Village-Jawaharpur, opposite to Ind Swift Factory,

Derabassi, Distt-SAS Nagar, Punjab-140507

Email : info@citrolab.com

Contact us: +91-8528969439, +91-9560228522

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			TEST REPOR		ge 01 of 01 mat No. : C	TTRO/	DSF/0716	
ISSUE	D TO:		and the second second	Report No.	and the design of the local sector of the sector	a track in a star star in a star	2/020322/0	14(1)
M/s Inc	dian Railway Welfar	re Organizati	on	1985 COLO 2 7. 27022				19(1)
	har, Zirakpur	e organizati		Issue date		4.03.2022	al temperature and the property of the second second second second second second second second second second s	-
	b) (140507)			NABL ULR N		C895320	000000813	F
(	., (			Reg. No. & D:	ate 2	2-03-06 8	¢ 02.03.202	2
			and the factor of the second se	Customer Ref	& Date N	IA		
Sample			nalysis Start Date	02.03.2022	Analysis Cor	npletion	Date 14	.03.2022
	A. Particulars		e: (Supplied by Cu					
and the second se	of Sample	Ground	Water	<b>Testing as Per</b>	and the second se	S: 10500-;	2012, R.A:20	018
Locatio	)n	NA		Declared Values	s (If any)	NA.		
Sample	Code No.	NA		Batch No. & D.O	D.M. 1	NA		
	sampling	NA		Time of samplin	g 1	NA		
	Quantity	2 ltr.		Mode of Packing	g I	Packed in	Plastic Can	1
Discipli	inc	Chemica	1	Group	1	Vater		
Seal		NA		IO's Signature	1	<b>↓</b> A		
Any Ot	her Information	Sample	Collected by Lab . re	on dated 02 03	2022			
	B. Supplement	ary Informat	ion:	p. 61 uniou 02.05.	2022			
1. R	eference to Sampling	Procedure				CIT	RO/QC/SC	P/025
2. S	upporting Documents	for the Meas	urements Taken and	Results Derived	Like:	NA		11/045
G	raphs/Tables/Sketche ddition to, Deviation	s/Photograph	s as Appropriate to	the Test Report (if	any)	1.000		
S. No.	f any) C. Test Result Test Paran		Test Method	Requirement (IS: 10500-2012)	Permissibl	Alternate	Test F	Result
1	Colour, (Hazen units	)	1S: 3025 (P-4)	5 max.	Source (IS:10			
2	Odour	/	IS: 3025 (P-5)	Agreeable	15 ma Agreea		<5	
3	pH value		15: 3025 (P-11)	6.5 to 8.5	No relax	7757F	Agree	
4	Turbidity (NTU)		IS: 3025 (P-10)	1 max.	Smax		7.4	
5	Chloride as Cl (mg/l)		IS: 3025 (P-32)	250 max.	1000 m	7.	51.	
6	Iron as Fe (mg/l)		IS: 3025 (P-53)	1.0 max.	No relax		0.2	
7	Total Hardness as Ca	CO3 (mg/l)	IS: 3025 10 200 11	200 max.	600 m		14	
(Revir	D. Remarks: N D. Remarks: N Abau 14-03-10 APathania ewed By) ner: 1. Test results are relate 2. Test report in full or	d only to the items	Asample tested, rout [Man]	enuest	(/	Gaurav Technica Authorize		
Add	3. Sample stored after a Jress : Village-Jaw	malysis as per Qua	lity System Procedure.					
					/	~	1	-
Em			agar, Punjab-1405	07	-	)	$ \rightarrow $	>
	. meestine							
	ntact us: +91-85289		560228522		1 /	1		1
wel	bsite : www.citrol	lab.com			<b>b</b>	1		>



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-9

	1	TEST REPORT	Page 01 of Format No.	01 . : CITRO/0	QSF/0716
ISSUED TO:		Re	port No.		C/020322/014(2
M/s Indian Railway Wo	alfare Organizatio	n les	ue date	14.03.2022	2
Rail Vihar, Zirakpur			g. No. & Date		\$ 02.03.2022
(Punjab) (140507)		1.02-22	stomer Ref. & Date	NA	
Sample Receipt Date: 02	03 2022 Anal	veie Start Date: 02	.03.2022 Analysis Comple		4.03.2022
	ars of the Sample:			anon Dute. I	1.00.000
Name of Sample	Ground W	ater	Testing as Per	IS: 10500-2	012, R.A:2018
Location	NA		Declared Values (If any)	NA	
nple Code No.	NA		Batch No. & D.O.M.	NA	
Date of sampling	NA		Time of sampling	NA	
Sample Quantity	2 ltr.		Mode of Packing	Packed in I	Plastic Can
Discipline	Chemical		Group	Water	
Seal	NA		IO's Signature	NA	
Any Other Information	Sample C	ollected by Lab . re	ep. on dated 02.03.2022	4	
	nentary Information				
1. Reference to Sam				NA	
3. Addition to, Devia (if any) C. Test Re		is from the Relevan	nt Test Method/Work Instruct	tions NA	
	meters	Method	Requiremen (15: 10500-2012		Result
	cal Test (Clause 4	)			
Table 6 Microbiologi		By Test KIT	Shall not be detectable in an	y 100ml samp	le Absent
Table 6 Microbiologi		Dy rest KH			- ave week
1 E.Coli / 100ml 2 Total Coliform	Bacteria/ 100mi	By Test KIT	Shall and he detectable in an	ny 1 <b>00ml</b> samp	
1 E.Coli / 100ml 2 Total Coliform D.Reman Nancy Pathania	rks : NA: Not Appl	By Test KIT icable	shall not be detectable in an est Rapp ++++ est Rapp +++++ est Rapp +++++ est Rapp +++++ est Rapp ++++++ est Rapp ++++++++++++++++++++++++++++++++++	Gaurav Goy Technical H (Authorized	al Absent ral lead Signatory)
1 E.Coli / 100ml 2 Total Coliform D.Remar Nancy Pathania (Reviewed By) Disclaimer: 1, Test 3, Sam Address : Villa Dera Email : info(	results are related only to results are related only to report in full or parts shal gple stored after analysis as ge-Jawaharpur, opy ubassi, Distt-SAS 1 @citrolab.com	By Test KIP icable By Test KIP icable Biology of Tr Biology of the second second Biology of the second seco	Shall not be detectable in an est Range ++++ Ssy Shall not be the silenited to inve suit incluing of this tab is limited to inve suit or publicity purpose. edure.	Gaurav Goy Technical H (Authorized	al Absent ral lead Signatory)
1       E.Coli / 100ml         2       Total Coliform         D.Remar       H.S.Witz         Nancy Pathania       Nacy Pathania         (Reviewed By)       Disclaimer: 1. Test         Disclaimer: 1. Test       3. Sam         Address       : Villag         Dera       Email       : info(	results are related only to results are related only to report in full or parts shal gple stored after analysis at ge-Jawaharpur, opy ubassi, Distt-SAS 1	By Test KIP icable By Test KIP icable Biology of Tr Biology of the second second Biology of the second seco	Shall not be detectable in an est Range ++++ Ssy Shall not be the silenited to inve suit incluing of this tab is limited to inve suit or publicity purpose. edure.	Gaurav Goy Technical H (Authorized	al Absent ral Jead Signatory)



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tro la	Ь				Dream
		Т	EST REPORT Page 01 Format 1	of 01 No. : CITRO/QSF/	/0716
ISSUED	TO:		Report No.	CITRO/QC/0203	
M/s India	an Railway Welfa	re Organization	Issue date	10.03.2022	
	ar, Zirakpur		NABL ULR No.	TC89532000000	0814P
(Punjab)	District of the second second		Reg. No. & Date	22-03-06 & 02.0	3.2022
			Customer Ref. & Date	NA	an Margu
Sample R	eccipt Date: 02.	03.2022 Analysis S		sis Completion Date	10.03.2022
oumpiens		of the Sample: (Sup		in completion bail	1111111111
Name of S		Stack DG Set -1 (		EPA -1986, PCL	S/02/2021
Discipline		Chemical	Group	Atmospheric Po	
	eneral Information	Chennear	Group	ritinopherie i s	
0	<ul> <li>d. Normal</li> <li>2. Stack Identify</li> <li>3. Type of Stac</li> <li>4. Stack Height</li> <li>5. Diameter of</li> <li>6. Sampling Dr</li> <li>7. Purpose of M</li> <li>8. Air pollution</li> <li>a. Status</li> <li>b. Recover</li> <li>9. Fugitive Em</li> <li>9. Fugitive Cas Te</li> <li>2. Flue Gas Te</li> <li>2. Flue Gas Te</li> <li>2. Flue Gas Te</li> <li>3. Volumetric</li> <li>4. Ambient Air</li> </ul>	k/Duct (RCC/Metal) from ground Level (n the Stack (cm) rration (minutes) Ionitoring control Measure y of Material ission, if any mperature, °C, Avg. Iocity(m/s), Avg. Flow Rate (Nm3/hr) Femperature, °C	: As Required : Stack attached to DO : Metal	G Set-1 (320 kVA)	
6 No. 1	B. Test Resu	lts: Parameter	Test Method	Requirements	Test Results
Sr. No.	Particulate Matter		IS: 11255 (P-1)	0.2 max.	0.08
1 2	Oxide of Nitrogen	(NO2, g/kw-hr +	IS: 11255 (P-7) & IS 13270	4.0 max.	1.4
3	*Hydrocarbon as ( Sulphur Dioxide (S	CH <sub>4</sub> ) g/kw-hr SO <sub>4</sub> ) mg/Nm <sup>3</sup>	(P-2)	Not Specified	15
Nancy P (Review	C. Remarks: N ITRO/QC/SOP/026. 10-03-2032 athania ed By) r: 1. Test results are relati	NA - Not Applicable, Date of Monitoring : 07	ested, total fability of this tab is limited to invoid remoined an ability of this tab is limited to invoid remoined an or publicity purpose.	Gauray Goyal Technical Hea (Authorized Sig	nd
Addre		aharpur, opposite to			-
		Distt-SAS Nagar, Pu			
Email			/		$\langle \rangle$

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GST No. 03AANFC5010D1Z5



	<b>FO</b> .			Report No.	ormatic	CITRO/QSF/	
ISSUED			1000 - 001 IV			10.03.2022	
		elfare Organ	ization	Issue date			2022
	r, Zirakpur			Reg. No. & Da	ite	22-03-06 & 02.03	.2022
(Punjab)	(140507)			Customer Ref		NA	
Sample R	eceipt Date:	02.03.2022	Analysis Start Date	02.03.2022	Analysi	s Completion Date	10.03.2022
	A. Particu	lars of the Sa	mple: (Supplied by	Customer)			
Name of S			DG Set -1 (320 kV/		s Per	EPA -1986, PCL	S/02/2021
Discipline		Chen		Group		Atmospheric Po	
	eneral Informa		ireal	Group			
o	<ul> <li>c. Typ</li> <li>d. Nov</li> <li>2. Stack IG</li> <li>3. Type of</li> <li>4. Stack H</li> <li>5. Diameti</li> <li>6. Samplin</li> <li>7. Purpos</li> <li>8. Air poll</li> <li>a. Sta</li> <li>b. Rei</li> <li>9. Fugitiv</li> <li>i. Flu</li> <li>2. Flu</li> <li>3. Yo</li> <li>4. Amb</li> </ul>	mal operating dentification Stack/Duct (R leight from gri er of the Stack ng Duration (n Duration (n tus e of Monitorin lution Control tus covery of Mate e Emission, if a ne Gas Temper te Gas Velocity	& its Consumption Schedule (CC/Metal) und Level (m) (cm) inutes) g Measure rial any ature, °C, Avg. (m/s), Avg. Rate (Nm3/hr)	: As Requi : Stack atta : Metal : 7 : 7.6 : 56	ched to DG	our Set-1 (320 kVA) nitoring Purpose.	
Sr. No.		Test Paramete		Test Method		Requirements	Test Result
1	Carbon M	lonoxide as (C	D), g/kw-hr	sting 13270		Max. 3.5	1.5
Nancy F (Review	rt I. Test results a	9/026. Date of N 027 are related only to U	Applicable, Rev 24 Applicable, R	* uoliot abaity of this lab is lin ar publicity purpose	ced.	damount only.	5 mr le

 Address
 : Village-Jawaharpur, opposite to Ind Swift Factory, Derabassi, Distr-SAS Nagar, Punjab-140507

 Email
 : info@citrolab.com

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 Website
 : www.citrolab.com





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(An ISO: 9001:2015 Certified Company) GST No. 03AANFC5010D125



			т	TEST REPO		ge 01 of 01 rmat No. : CITR	0/085/0714
	UED TO:			Report N			
M/s	Indian Railw	ay Welfare Orga	nization	Issue dat		CITRO/QC/020	322/016
Rail	Vihar, Zirak	pur		NABL U		10.03.2022 TC89532000000	00155
(Pun	ijab) (140507)	r i i i i i i i i i i i i i i i i i i i		Reg. No.		22-03-06 & 02.0	
_					r Ref. & Date	NA	13.2022
Sam	ple Receipt Da	ite: 02.03.2022	Analysis Start Da	ate: 02 03 202		is Completion Date	- 10.03 2022
	A. Par	ticulars of the Sa	mple: (Supplied by	Customer)	- Trinary Si	s completion Date	. 10.03.2022
	of Sample	Noise DG Se	t-1 (320 kVA) Monit	oring	Testing as Per	EPA -1986, PC	1 \$/02/2021
Discip	No. of Contract of	Chemical			Group	Atmospheric P	and the second sec
	General In						
		e of Monitoring		: 02	.03.2022		
	2. Tim	e of Monitoring		: 14	:20 hrs		
	3. Pu	pose of Monitoria	ng	: Fo	r Environment N	Aonitoring Purpose	
		rce of Noise Pollu	tion Monitored		Noise Set-1 ( 3		
		gine Sr. No.			8.81017152005	1. N. C.	
	b. Mal	ke		:Kir	loskar		
		e of mfg. of DG se	et	:14.	01.2015		
	d. Dat	e of Installation		: 20	15		
		e approval no .		: No	t Provided by Pa	arty	
		ution Control Dev		: Ac	oustic Enclosure		
			round level to top,	m :7			
		k Height above ro		: No	ot Applicable		
	9. Loca	tion of Noise Gen	ierating Source		ound Floor		
	(Tr	In Floor Cuound					
		op Floor, Ground Fest Results:					
Sr. No.					Test Method	Requirement (EPA -1986,	Test Result
	B. 1	Fest Results: Test Par	ameter	C		(EPA -1986, PCLS/02/2021)	
No.	B. 1 1 meter away	Fest Results:	ameter losure, Leq dB(A)	С	Test Method PCB Guidelines	(EPA -1986,	Test Result
No.	B. 1 1 meter away C. Supp	Test Results: Test Par from Acoustic Encl lementary Informa	ameter losure, Leq dB(A)	c		(EPA -1986, PCLS/02/2021)	
No. 1	B. 1 1 meter away C. Supp	Fest Results: Test Par from Acoustic Enci lementary Informa ling Procedure	ameter losure, Leq dB(A) ttion:			(EPA -1986, PCLS/02/2021) Max.75.0	
No. I . Ro . Su Gr	B. 1 1 meter away C. Supp eference to Samp pporting Docum	Fost Results: Test Par from Acoustic Enci lementary Informa ling Procedure ents for the Measurem	ameter losure, Leq dB(A) ttion: ents Taken and Results	Derived Like:	PCB Guidelines	(EPA -1986, PCLS/02/2021) Max.75.0 CITRO/C NA	74.1 QC/SOP/026
No. 1	B. 1 1 meter away C. Supp eference to Samp pporting Docum	Fost Results: Test Par from Acoustic Enci lementary Informa ling Procedure ents for the Measurem	ameter losure, Leq dB(A) ttion: ents Taken and Results	Derived Like:	PCB Guidelines	(EPA -1986, PCLS/02/2021) Max.75.0 CITRO/C NA	QC/SOP/026
No. 1 . Re . St.	B. 1 I meter away C. Supp eference to Samp upporting Docum raphs/Tables/Ste ddition to, Deviat D. Remarks:	Fost Results: Test Par from Acoustic Enci lementary Informa ling Procedure ents for the Measurem	ameter losure, Leq dB(A) tition: entis Taken and Results Appropriate to the Test R m the Relevant Test Me Requirements as per <b>F</b>	Derived Like:	PCB Guidelines	(EPA -1986, PCLS/02/2021) Max.75.0 CITRO/C NA	74.1 QC/SOP/026
No. I Re 2. SL 5. Ad Nan	B. 1 I meter away C. Supp eference to Samp upporting Docum raphs/Tables/Ste ddition to, Deviat D. Remarks:	Fest Results: Test Par from Acoustic Encl lementary Informa ling Procedure ents for the Measurem (chest/Photographs as A ions, or Exclusions fro NA- Not Applicable, 1 ac of Monitoring: 02-0	ameter losure, Leq dB(A) tition: entis Taken and Results Appropriate to the Test R m the Relevant Test Me Requirements as per <b>F</b>	Derived Like: Report (if any) the down Hasin (and of Postory) Test Report Ofra Bass/	PCB Guidelines uctions (if any) S <sup>2</sup> 021, Sampling Gau Tech	(EPA -1986, PCLS/02/2021) Max.75.0 CITRO/C NA	74.1 QC/SOP/026
No. I Re Su Gi Ad Nan (Revi Diselai	B. 1 1 meter away 1 meter away poporting Docum raphs/Tables/Ste ddition to, Deviat D. Remarks: D. Remarks: D. Remarks: puporting Docum to, Deviat D. Remarks: D. R	Fest Results: Test Par. I from Acoustic Encl lementary Informa ling Procedure ents for the Measurem (ches/Photographs as A lions, or Exclusions fro NA- Not Applicable, 1 NA- Not Applicable, 2 NA- NO	ameter losure, Leq dB(A) tion: ents Taken and Results I pypropriate to the Test R mt the Relevant Test Me Requirements as per 33-2022 **********************************	Derived Like: tener (if any) tenetwork (if a	PCB Guidelines	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/Q NA Procedure - CITRO/Q Queen - CITRO/Q Queen - CITRO/Q Queen - CITRO/Q	74.1 QC/SOP/026
No. I Revi Su Gi Ad Nam (Revi Disclasi	B. 1 1 meter away for the standard st	Fest Results: Test Par. Ifrom Acoustic Encl. Idementary Informa ling Procedure outs for the Measurem iches/Photographs as A fons, or Exclusions fro NA- Not Applicable, IAA- Not Applicable, NA- Not Applicable, NA- Not Applicable, NA- Not Applicable, NA- Not Applicable, NA- Not Applicable, absorb attended only to the items/h full or parts shall not be us after analysis are Quali lage-Jawaharpur,	ameter tion: ents Taken and Results Appropriate to the Test R m the Relevant Test Me Requirements as per P 13-2022 **********************************	Derived Like: tener (if any) tener (if any)	PCB Guidelines	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/Q NA Procedure - CITRO/Q Queen - CITRO/Q Queen - CITRO/Q Queen - CITRO/Q	74.1 QC/SOP/026
No. I Revi Su Gi Ad Revi Disclai AC Er	B. 1 1 meter away reporting Docum raphs/Tables/Sket ddition to, Deviat D. Remarks: D. Remarks: py Pathania icicwed By) imer: J. Test results a 2. Test report 3. Sample stor ddress : Vil De mail : infi	rest Results: Test Par I from Acoustic Enci Idementary Informa ling Procedure ents for the Measurem iches/Photographs as A fons, or Exclusions fro NA- Not Applicable, NA- Not Applicable, NA- Not Applicable, NA- Not Applicable, absorb attended only to the items/s fold to pass shall not be us after analysis are Quali lage-Jawaharpur, trabassi, Distt-SA to@citrolab.com	ameter tion: entis Taken and Results Appropriate to the Test R m the Relevant Test Me (and the Relevant Test Me (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Derived Like: tener (if any) tener (if any)	PCB Guidelines	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/Q NA Procedure - CITRO/Q Queen - CITRO/Q Queen - CITRO/Q Queen - CITRO/Q	74.1 QC/SOP/026
No. 1 Rec Su Nand (Revi Disclass AC Er CC	B. 1 1 meter away percence to Samp percence t	Fest Results: Test Par. Ifrom Acoustic Encl lementary Informa ing Procedure ents for the Measurem (ches/Photographs as A icons, or Exclusions fro NA- Not Applicable, 1 NA- Not Applicable, 2 NA- NOT	ameter tion: entis Taken and Results Appropriate to the Test R m the Relevant Test Me (and the Relevant Test Me (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Derived Like: tener (if any) tener (if any)	PCB Guidelines	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/Q NA Procedure - CITRO/Q Queen - CITRO/Q Queen - CITRO/Q Queen - CITRO/Q	74.1 QC/SOP/026



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			TEST REP	ORT Pa	ge 01 of 01		071/
				F		CITRO/QSF/	
ISSUED	O TO:			Report No.		CITRO/QC/0203	22/017(1)
M/s Ind	ian Railway W	elfare Orga	nization	Issue date		4.03.2022	
Rail Vil	ar, Zirakpur			NABL ULR NO		C89532000000	
(Punjab	) (140507)			Reg. No. & Dat	te 2	2-03-06 & 02.03	.2022
				Customer Ref.	& Date	JA	
Sample	Receipt Date:	02.03.2022	Analysis Start Date	02.03.2022	Analysis C	ompletion Date	14.03.2022
	A. Particu	lars of the S	ample: (Supplied by (	Customer)			
Name of	Sample		k DG Set -2 (320 kVA		Per	EPA -1986, PCL	
Disciplin	ne	Che	nical	Group		Atmospheric Pol	llution
- Anna	<ul> <li>c. Tyj</li> <li>d. Noi</li> <li>2. Stack Id.</li> <li>3. Type of</li> <li>4. Stack H</li> <li>5. Diametei</li> <li>6. Samplin</li> <li>7. Purposo</li> <li>8. Air poli</li> <li>a. Sta</li> <li>c. Ree</li> <li>9. Fugitiv</li> <li>Observations:</li> <li>1. Flue G</li> <li>2. Flue G</li> <li>3. Volumi</li> </ul>	rmal operatin dentification I Stack/Duct (1 leight from gr er of the Stacl ng Duration (1) e of Monitorin lution Contro tus covery of Mat e Emission, if as Temperatu as Velocity(m	i & its Consumption g Schedule RCC/Metal) ound Level (m) ( (cm) ninutes) ig Measure erial any re, °C, Avg. 5), Avg. e (Nm3/hr)	: As Require : Stack attac : Metal : 7 : 7.6 : 57	! liter per hour ed whed to DG Set	-2 (320 kVA)	
	4. Ambien	t Air Temperi					
		Results:		Tout Mathad		aquiremente	Test Results
Sr. No.	B. Test	Results: Test Paramet	r	Test Method	1	Requirements	Test Results
1	B. Test Particulate M	Results: Test Paramet fatter (PM), g	r /kw-hr	IS: 11255 (P-1)		0.2 max.	0.09
	B. Test Particulate M Oxide of Nitr	Results: Test Paramet fatter (PM), g ogen (NO <sub>2</sub> , g/	r /kw-hr kw-hr + IS: 1				
1 2	B. Test Particulate M Oxide of Nitr *Hydrocarbo	Results: Test Parameter fatter (PM), g ogen (NO <sub>2</sub> , g/ on as (CH <sub>4</sub> ) g/l ide (SO <sub>2</sub> ), mg	r /kw-hr kw-hr + IS: 1 (w-hr Nm <sup>3</sup>	IS: 11255 (P-1) 1255 (P-7) & IS 13	270	0.2 max.	0.09
1 2 3 Narcy (Revie	B. Test Particulate M Oxide of Nitr *Hydrocarbo Sulphur Diox C. Reman CTRO/QC/SOP DCD.+10-03-2e Pathania wed By)	Results: Test Paramete fatter (PM), g orgen (NO <sub>2</sub> , g/ nn as (CH <sub>4</sub> ) g/ nn as (CH <sub>4</sub> ) g/ ni as (CH <sub>4</sub> ) g/ rks: NA - No //026, Date of D22	rr /kw-hr /kw-hr /kw-hr /kw-hr /km <sup>2</sup> Applicable, Reodiator Vonitoring : 02-120-122 Errord he items/sample tested, total lis	IS: 11255 (P-1) 1255 (P-7) & IS 13 1355 (P-7) & IS 13 14510 (P-2) ITS as problem 1 . Tested Galance . Tested Galance . University . Un	270 986 PCLS/02/ red.	0.2 max. 4.0 max. Not Specified 2021, Sampling F Gauray Goyal Technical Hea (Authorized Sign	0.09 1.4 18 rocedure -
1 2 3 Naricy (Revic Disclain	B. Test Particulate M Oxide of Nitr *Hydrocarbo Sulphur Diox C. Remar CITRO/QC/SOP WCL-W-0-03-2e Pathania wed By) ner: 1, Test results a 2 Test report 3. Sample stor	Results: Test Paramete fatter (PM), g ogen (NO2, g/ na s (CH4) g/l ide (SO2), mg rks: NA - No 2026, Date of D222 are related only to in full or parts shall ed after analysis a	rr kw-hr kw-hr Kw Kw Kw Kw Kw Kw Kw Kw Kw Kw	IS: 11255 (P-1) 1255 (P-7) & IS 13 13576 (P-2) TISS as not by A 1 <sup>1</sup> * Tester V stource * UG(VET) * UG(V	270 986 PCLS/02/ red.	0.2 max. 4.0 max. Not Specified 2021, Sampling F Gauray Goyal Technical Hea (Authorized Sign	0.09 1.4 18 rocedure -
1 2 3 Naricy (Revic Disclain	B. Test Particulate M Oxide of Nitr "Hydrocarbo Sulphur Diox C. Reman CITRO/QC/SOP WCL-W-0-3-2e Pathania wed By) ner: 1, Test results a 2 Test report 3. Sample stor ress : Village	Results: Test Parametic fatter (PM), g orgen (NO, g/ orgen (NO, g/ nas (CH <sub>4</sub> ) g/l ide (SO <sub>2</sub> ), mg r(hs: NA - No v/026, Date of D22 mer related only fo n full or parts shall de after analysis a -Jawaharpur	rr kw-hr kw-hr Kw Kw-hr Kw Kw Kw Kw Kw Kw Kw Kw Kw Kw	15: 11255 (P-1) 1255 (P-7) & 18 13 15: 11255 (P-7) & 18 13 15: 10 P-7) & 18 13 15: 10 P-7) & 18 13 15: 10 P-7) 15: 1	270 986 PCLS/02/ red.	0.2 max. 4.0 max. Not Specified 2021, Sampling F Gauray Goyal Technical Hea (Authorized Sign	0.09 1.4 18 rocedure -
1 2 3 Narrcy (Revic Disclain Addr	B. Test Particulate M Oxide of Nitr "Hydrocarbo Sulphur Diox C. Remar C. Remar CITRO/QC/SOP WCD.W.4 Pathania 2. Test report i 3. Sample stor ress : Village Derabit	Results: Test Paramete fatter (PM), g ogen (NO <sub>2</sub> , g/ nas (CH <sub>4</sub> ) g/ ide (SO <sub>2</sub> ), mg rks: NA - No //026. Date of D22 are related only to n full or parts shal ed after analysis a -Jawaharput assi, Distt-SJ	rr kw-hr kw-hr Kw Kw Kw Kw Kw Kw Kw Kw Kw Kw	15: 11255 (P-1) 1255 (P-7) & 18 13 15: 11255 (P-7) & 18 13 15: 10 P-7) & 18 13 15: 10 P-7) & 18 13 15: 10 P-7) 15: 1	270 986 PCLS/02/ red.	0.2 max. 4.0 max. Not Specified 2021, Sampling F Gauray Goyal Technical Hea (Authorized Sign	0.09 1.4 18 rocedure -
1 2 3 Narley (Revic Disclain Addr Emai	B. Test Particulate M Oxide of Nitr *Hydrocarbo Sulphur Diox C. Remar CITRO/QC/SOP WCD	Results: Test Parameti fatter (PM), g orgen (NO, g/ orgen (NO, g/ orgen (SO, mg orgen (SO, mg orgen (NO, g/ orgen (NO, g/ para (FAS: NA - No V/026, Date of D22 mare related only for in full or parts shall de after analysis a -Jawaharpur assi, Distt-SJ citrolab.com	er Vaw-hr Vaw-hr Vaw-hr Vam <sup>3</sup> t Applicable, Requised Monitoring: 02-120022 Monitoring: 02-120022 Monitori	15: 11255 (P-1) 1255 (P-7) & 18 13 15: 11255 (P-7) & 18 13 15: 10 P-7) & 18 13 15: 10 P-7) & 18 13 15: 10 P-7) 15: 1	270 986 PCLS/02/ red.	0.2 max. 4.0 max. Not Specified 2021, Sampling F Gauray Goyal Technical Hea (Authorized Sign	0.09 1.4 18 rocedure -
1 2 3 Narrcy (Revic Disclain Addr Emai	B. Test Particulate M Oxide of Nitr *Hydrocarbo Sulphur Diox C. Remar CITRO/QC/SOP WCD	Results: Test Parameti fatter (PM), g orgen (NO, g/ orgen (NO, g/ orgen (SO, mg orgen (SO, mg orgen (NO, g/ orgen (NO, g/ para (FAS: NA - No V/026, Date of D22 mare related only for in full or parts shall de after analysis a -Jawaharpur assi, Distt-SJ citrolab.com	rr kw-hr kw-hr Kw Kw-hr Kw Kw Kw Kw Kw Kw Kw Kw Kw Kw	15: 11255 (P-1) 1255 (P-7) & 18 13 15: 11255 (P-7) & 18 13 15: 10 P-7) & 18 13 15: 10 P-7) & 18 13 15: 10 P-7) 15: 1	270 986 PCLS/02/ red.	0.2 max. 4.0 max. Not Specified 2021, Sampling F Gauray Goyal Technical Hea (Authorized Sign	0.09 1.4 18 rocedure -



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ISSUED T	0.		Report No.		o. : CITRO/QSF/0716			
		re Organization	Issue date		14.03.2022	Constant in No.		
	r, Zirakpur	ie organization	Reg. No. & D:	ate	22-03-06 & 02.03	.2022		
(Punjab) (			Customer Ref		NA			
		03.2022 Analysis Start D			s Completion Date	14.03.2022		
entripie in		of the Sample: (Supplied		-				
Name of S		Stack DG Set (320 kV/		s Per	EPA -1986, PCL			
Discipline	•	Chemical	Group		Atmospheric Po	llution		
o	<ul> <li>a. Rated C</li> <li>b. Capaciti</li> <li>c. Type of</li> <li>d. Normal</li> <li>2. Stack Identi</li> <li>3. Type of Stat</li> <li>4. Stack Heigh</li> <li>5. Diameter of</li> <li>6. Sampling D</li> <li>7. Purpose of</li> <li>8. Air pollutio</li> <li>a. Status</li> <li>b. Recove</li> <li>9. Fugitive Enbservations:</li> <li>1. Flue G</li> <li>2. Flue G</li> <li>3. Voluma</li> <li>4. Ambient</li> <li>B.* Test Re</li> </ul>	ission Source monitored apacity y on Sampling day Fuel used & its Consumption operating Schedule fication 3c/Duct (RCC/Metal) it from ground Level (m) the Stack (cm) uration (minutes) Monitoring n Control Measure ry of Material ission, if any is Temperature, °C, Avg. strice Flow Rate (Nm3/hr) Air Temperature, °C	: 320 kVA : 86% : HSD & 2 : As Requ : Stack atta : Metal : 7 : 7.6 : 57	2 liter per h ired ached to DG conment Mor		Test Result		
Sr. No.		Parameter			Max. 3.5	1.3		
1	Carbon Mono	kide as (CO), g/kw-hr	IS: 13270			1		
Nancy P.	ITRO/QC/SOP/026 سالا -03-2022 athania ed By)	L.	Def Test Report	rced.	Gaural Goyal Technical Her (Authorized Sig	id		

Test report in full or parts shall not be used for promotional or publicity
 Sample stored after analysis as per Quality System Procedure.

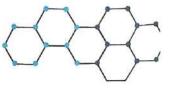
 

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SSUED TO:		the second second second second second second second second second second second second second second second se			
		TEST REPORT	Page 01 of 0		
			Format No. :	CITRO	/QSF/0716
		Report No.	CITRO/0		
VI/s Indian R	ilway Welfare Organization	Issue date	10.03.20		
tail Vihar, Zi		NABL ULR No.	TC89532	20000000	817F
Punjab) (1405		Reg. No. & Date		& 02.03	.2022
• / •		Customer Ref. & D	ate NA		
			nalysis Completie	on Date:	10.03.2022
	Particulars of the Sample: (Suppli				
ame of Sample	Noise DG Set-2 (320 kVA)			986, PCL	
iscipline	Chemical	Group	Atmos	pheric Pol	iution
	al Information				
	Date of Monitoring	: 02.03.2022			
	Time of Monitoring	: 16:20 hrs		Deserves	
	Purpose of Monitoring		nent Monitoring	rurpose.	
	Source of Noise Pollution Monitor		t-2 ( 320 kVA)		
	Engine Sr. No.	:DV8.8101715	020007		
	Make	:Kirloskar			
	Date of mfg. of DG set	:15.01.2015 : 2015			
	Date of Installation	: Not Provided	hu Party		
	Type approval no . Pollution Control Device (if any)	: Acoustic End			
	Stack Height from Ground level to		and all to		
	Stack Height above roof level, m	: Not Applica	ble		
	Location of Noise Generating Sour	장애 같이 가지 않는 것 같은 것 같은 것 같은 것 같은 것 같은 것			
9.1	(Top Floor, Ground Floor)	roround 1100			
	B. Test Results:				
Sr.	Test Parameter	Test Meth	CONTRACTOR AND A DESCRIPTION		Test Results
No.		1 No. 102200 (2015)	(EPA -		
	Contractor Contractor Inc.	A) CPCB Guide	PCLS/02 elines Max.		74.6
	away from Acoustic Enclosure, Leq dB( Supplementary Information:		annes j Max.	15.0	74.0
C.3	supplementary information.				
1. Reference	to Sampling Procedure				QC/SOP/026
2. Supportin	g Documents for the Measurements Tak	en and Results Derived Like:		NA	
	bles/Sketches/Photographs as Appropri	ate to the Test Report (if any)			
3. Addition t	o, Deviations, or Exclusions from the R irks: NA- Not Applicable, Requirements a	s por 19 Arct 1986 BC S/2021, Sa	uctions (if any)	NA CITRO/O	28000006
	Date of Monitoring: 02-03-2022	181 2		-rozz	Jaur/020,
Nothanis	**	Dera Bassi	10	5 .	
Nancy Pathania	-5	141 /4/	Gauray Goyal Taobaical Maad		
(Baulan ed Dr.)		12	Technical Head (Authorized Signate	orv)	
(Reviewed By)	results are related only to the stems sample tested, intal 1	VUAD WOILE	,		
			t only		
	ple stored after analysis as per Quality System Procedure	e.			
2. Test 3. Sam		10 10 0			
2. Test 3. Sam	Village-Jawaharpur, opposite to I		P	-	1-9
2. Test 3. Sam	Village-Jawaharpur, opposite to I Derabassi, Distt-SAS Nagar, Pur		T	1	1
2 Test 3 Sam	Derabassi, Distt-SAS Nagar, Put		$ \prec $	>	$\langle \rangle$
2. Test 3. Sam Address : Email	Derabassi, Distt-SAS Nagar, Put info@citrolab.com	njab-140507	K	$\geq$	$\langle \rangle$
Address : Email Contact us	Derabassi, Distt-SAS Nagar, Put	njab-140507	$ \leq $	$\left< \right>$	$\mathcal{A}$



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			TEST R	EPORT Page 01 Format	No. : CITI	RO/QSF/0716		
ISS	UED T	°O:	1	Report No.	C/020322/019(1)			
			fare Organization	Issue date		14.03.2022		
		r, Zirakpur	and of Bannanon	NABL ULR No.	TC89532000000818F			
		(140507)		Reg. No. & Date	22-03-06	& 02.03.2022		
(1.0	injat) (	(140307)		Customer Ref. & Date	NA			
Sample Receipt Date: 02.03.2022 Analysis Start				rt Date: 02.03.2022 Analys	is Completio	on Date: 14.03.2022		
Cital.	inpite ite		ulars of the Sample: (Supp					
Name of Sample Soil Sample				Testing as Per	EPA 19	86, PCLS/02/2010		
Brand Name (If any)/		me (If any)/	NA	Declared Values (If any)	NA			
	ation	ode No.	NA	Batch No. & D.O.M.	NA			
San	nple Q	uantity	1Kg Approx	Mode of Packing	Packed	in Polythene Bag		
Dis	cipline		Chemical	Group	Polluti	on Environment		
Seal			NA	IO's Signature	NA			
Any	y Othe	r Information	Sample collected by lab Purpose.	rep. on dated 02.03.2022, Purpos	e: For Envi	ronment Monitoring		
-		B. Suppleme	ntary Information:			CITRO/QC/SOP/02		
1.	Refer	ence to Sampli	ng Procedure					
2.	Supp	orting Documer	nts for the Measurements Tables / Photographs as Auprop	aken and Results Derived Like: priate to the Test Report (if any)	ate to the Test Report (II any)			
3.	Addit any)	tion to, Deviation	ons, or Exclusions from the	Relevant Test Method/Work Inst	ructions (if	NA		
	1 11197	C. Test Resu	Its:					
S	. No.	Test Paran	neters	Test Method	Test Result 7.89			
-	1	pH (1:2.5 S	olution)	1S:2720 (Part-26)		0.129		
	2	Electrical Co	onductivity (mmhos/Cm)	IS:14767		1.73		
	3	Organic Ma	tter (% by mass)	IS: 2720 (Part-22) :2015		11.9		
	4	Moisture (%	by mass)	A Method wandar Son Testin	5 III III III	11 12		
N	Nett lancy Pa Reviewe	14-03-2017- athania	NA: Not Applicable	to of Test Reparts Dera Bassi that a unit	Gau Tec (Autho	10 Mar 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2		
D	isclaimer		related only to the items/sample tested ull or parts shall not be used for prom after analysis as per Quality System P	otional or publicity purpose.	d amount only.			

Address : Village-Jawaharpur, opposite to Ind Swift Factory, Derabassi, Distt-SAS Nagar, Punjab-140507 Email : info@citrolab.com

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					Format I	Vo. : CITI	RO/QSF/0716		
ISSUED				Report No.			CITRO/QC/020322/019(2)		
	in Railway Wel	fare Orga	nization	Issue date		14.03.2022 22-03-06 & 02.03.2022			
Rail Vibar, Zirakpur			Reg. No. & Date		22-03-06 NA	& 02.03.2022			
				Customer Ref	Customer Ref. & Date				
				rt Date: 02.03.2022	Analysi	s Completi	on Date: 14.03.2022		
				olied by Customer)					
Name of Sample		Soil Sample		Testing as Per		EPA 19	86, PCLS/02/2010		
Brand Na location	me (If any)/	NA		Declared Values	s (If any)	NA			
Sample C	ode No.	NA		Batch No. & D.	O.M.	NA			
Sample (	uantity	1Kg Approx		Mode of Packing		Packed	in Polythene Bag		
Disciplin	2	Chemical		Group		Pollution Environment			
Seal		NA		IO's Signature	IO's Signature				
Any Oth	er Information	Sample Purpose		rep. on dated 02.03.202	22, Purpose	: For Envir	ronment Monitoring		
	B. Supplemen	tary Info	rmation:						
1. Refe	rence to Samplin	ig Procedu	re				CITRO/QC/SOP/02		
Gran	hs/Tables/Sketcl	nes/Photog	graphs as Approp	aken and Results Deriv riate to the Test Report	t (if any)		NA		
<ol> <li>Add any)</li> </ol>	tion to, Deviatio	ns, or Exc	lusions from the	Relevant Test Method.	/Work Instr	uctions (if	NA		
	C. Test Resul	ts:							
S. No.	Test Param	icici a			est Method		Test Result		
1	Texture			CITRO/QC/STP/010 		Sandy Loam			
2	Bulk Density			15:2720 (Part-2	5): 1980 RA	2016	1.69		
	D. Remarks:	IAA. 19013	applicable /	IS:2720 (Part-3		r	Parent 3:2022		

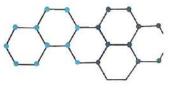
 

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 Website
 : www.citrolab.com





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 ਬਡਾਉਣ ਦੇ ਪ੍ਰਭਾਵੀ ਅਤੇ ਬਚਾਅ ਦੇ ਰਾਸ਼ਟਰੀ ਬਿਲਡਿੰਗ ਕੋਡ ਅਨੁਸਾਰ ਪ੍ਰਬੰਧ ਕੀਤੇ ਗਏ ਹਨ ਜਿਸ ਨੂੰ ਸਬੰਧਤ ਅੱਗ ਬੁਡਾਉ ਅਧਿਕਾਰੀ ਵੱਲੋਂ ਪ੍ਰਮਾਣਿਤ ਕੀਤਾ ਗਿਆ ਮਿਤੀ 16-Aug-2022 ਮੌਜੂਦਗੀ ਵਿੱਚ Mr Gurdeep Singh (ਮਾਲਕ ਦਾ ਨਾਮ ਜਾਂ ਉਸ ਦਾ ਪ੍ਰਤੀਨਿਧੀ) ਇਸ ਨੂੰ ਆਬਾਦੀ ਲਈ ਯੋਗ ਪਾਇਆ ਗਿਆ। Occupancy Group A subdivision A-4 (ਐਨ. ਬੀ. ਸੀ. ਦੇ ਅਨੁਸਾਰ) ਦੇ ਪ੍ਰਭਾਵੀ ਸਮੇਂ ਤੋਂ ਇੱਕ ਸਾਲ ਤੱਕ।

#### ਜਾਰੀ ਕਰਨ ਦੀ ਮਿਤੀ <u>16-Aug-2022</u> ਕਿੱਥੇ Zirakpur .

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 C17	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 ਲਿਖੀਆ 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।

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. 3.

ਫਾਇਰ ਬ੍ਰਿਗੇਡ ਅਧਿਕਾਰੀ ਕਿਸੇ ਵੀ ਵਕਤ ਇਨ੍ਹਾਂ ਸਾਰੇ ਪ੍ਰਬੰਧਾਂ ਨੂੰ ਚੈੱਕ ਕਰ ਸਕਦਾ ਹੈ, ਜੇ ਕਰ ਕੋਈ ਕਮੀ ਪਾਈ ਗਈ ਤਾਂ ਬਿਨ੍ਹਾਂ 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।

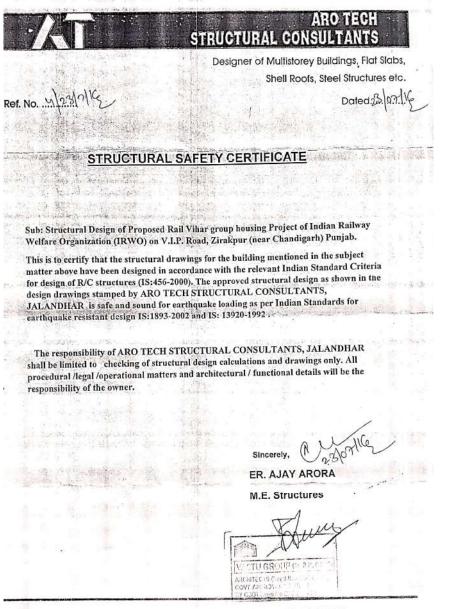
\* Above Details cannot be used as ownership proof.

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

\* This is digitaly created cerificate, no signatue are needed

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

**Annexure 8** 



43-A/84 Shankar Garden, Near Income Tax Colony, Jalandhar Cily(Pb.) 144002

Ph.: 0181-4650022, 09888430022, 09855579806, E-mail: arotech2015@gmail.com, arotech2007@gmail.com

### Annexure 9



PUNJAB WATER REGULATION AND DEVELOPMENT AUTHORITY SCO 149-152, SECTOR 17, CHANDIGARII – 160017 ad interim PERMISSION FOR EXTRACTION OF GROUNDWATER

Name of Unit	M/s Indian Railway Welfare	Org. (IRWO)				
Activity of Unit:	Infrastructure					
Address of Unit:	M's Indian Railway Welfare Org. (IRWO), 'Rail Vihar' Group Housing Project, Village Bishanpura, at VIP Road Zirakpur, Sub PIN Code: 1400 Tehsil Zirakpur, District SAS Nagar					
Assessment Unit (Block):	Derabassi Category: Yellow					
District:	SAS Nagar		-			
Correspondence Address:	M/s Indian Railway Welfare Group Housing Project, Villa Zirakpur, Sub Tehsil Zirakpu	age Bishanpura, at VIP Road	PIN Co	de: 140603		
Unit ID	0930500478					
Permission Number	PWRDA/07/2022/L2/413		Dated:	29.07.2022		
Project Status:	Existing Unit					
Permission Type:	ad-interim Permission					
Validity Period:	For a period of three months from three years from the date of grant o	the date of publication of the final f this ad interim permission, which	l guideline ever is car	es by the Authority, or fo lier,		
Ground Water Extra	action Permitted: 245 m3/day					
Fr	esh Water	Saline	Water			
m³/day	m <sup>3</sup> /month*	m <sup>3</sup> /day		m <sup>3</sup> /month*		
245	7,350	-		-		

\*Note:- Month is taken as 30 days for calculation of charges.

 
 Tees and Charges Paid:

 A. Application Fees for Groundwater Extraction:

 Volume of Groundwater Extraction Applied For per day (in m3/day)
 Fees Deposited (in Rs.) 20,000/-245

B. Advance Deposit equivalent to two months of charges for the permitted quantity of groundwater extraction:

Category of Area		Extraction Permitted: (m3/day)		245		Amount Deposited (Rs.)		
			Charges	for two month	hs		2,35,800/-	
Yellow		<10 n	0 m <sup>3</sup> /day 10- 3,600		100 m3/day	>100 m <sup>3</sup> /	day	
		3,6			75,600	1,56,60	00	1
C. Tube-well Reg	istration Fee	e paid:						
No. of existing tube-wells	No. of Pro tube-w	oposed		of total e-wells	Registrat applicable pe		Tot	al Registration Fee Paid (Rs.)
02	02 Nil		02		10,000/-		20,000/-	
D. Total Amount	Paid (Rs.):							
		ance Dep	ce Deposit Tube-		well Registration Fee		Total(Rs.)	
20,000/-	2	,35,800/-	6		20,000/-		2,75,800/-	

NOTE: This permission is granted in terms of the Draft Punjab Guidelines for Groundwater Extraction and Conservation published on November 12, 2020 under section 15 of the Punjab Water Resources (Regulation and Management) Act 2020 and is subject to the conditions given overleaf.

Dated: 29<sup>th</sup> July, 2022 Place: CHANDIGARH



Signature Maninder Singh, A.O.L-2 Executive Engineer Punjab Water Regulation and Development Authority Chandgarh Chandigarh,