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

<u>Compliance report on conditions imposed in Environmental Clearance for period ending</u> <u>30-09-2023.</u>

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

S. No.	Compliance conditions	Compliance Reply
i.	"Consent to Operate" shall be obtained from Punjab Pollution Control Board under Air (Prevention & Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Act, 1974 and a copy of the same shall be submitted to the Ministry of Environment & Forests/ State Level Environment Impact Assessment Authority at the time of start of operation.	Agreed. Renewal of Consent to Operate has been obtained from PPCB vide Certificat No. CTOA/Renewal/SAS/2022/19007755, date 20/07/2022 and valid till 31/03/2024 under Ai Act and Certificate No. CTOW/ Renewal/SAS/2023/20836902 under Water Ac dated 15/03/2023 and valid till 31/03/2024; cop of the same is attached as Annexure 1.
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 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)	
	1. Summer 2. Winter 3. Rainy b) Storage tank of	95 95 95 95 95	25 09 02	125 141 148	
v.	provided for the s efforts shall be construction purp The project pr	torage of treate made to sup oses.	ed wastewa ply the		Agreed. The individual flat owners have
	drinking water su	pply to the hab	itants.		installed their own RO system.
vi.	The wastewater pool(s) shall not shall be reused w such as horticultu	be discharged within the prem	and the s	ame	No Swimming Pool Provided in the Society.
vii.	A proper reco abstraction, water shall be maintaine a record of readi basis.	ed on daily bas	its reuse ar	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 bein checked by CGWA/ PWRDA and PPCB officia during their respective visits.
viii.	Rainwater harvest be operated and a guidelines and m the project proport	maintained pro naintenance scl	perly as p	er CGWA	Agreed. 4 rain water recharging pits of size 8m x 4m has been provided at suitable pocked with dual bore. Thus, total 8 number of ra water recharging pits have been provided. The 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, hanc of solid waste suc collection centre be properly main The collected sol The recyclable so authorized vendo be done with t waste shall be co with a minimum the inert solid	ch as chute sys & mechanical ntained. id waste shall blid waste shall rs for which a he authorize pomposted by m capacity of 0.2	storage & tem, wet a composter be segrege Il be sold written t d recycler techanical 3kg/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, segregatia and disposal of the solid waste is being done per the Solid Waste Management Rules, 2016. However, no Mechanical Composter has been 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 Counce 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 Annexure 2 . Further, Completion/ Occupation Certifican have also been obtained from Municipi Council, Zirakpur vide Letter No. 3756, dated 18.02.2020; copy of the same is enclosed a Annexure 3 .
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 approve 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 an Exit point are so designed that there is no traffic congestion. Photographs showing the parking area is enclosed as Annexure 4 .
xii.	The project proponent before allowing any occupancy shall obtain completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab.	Agreed. Completion/ Occupation Certificate have also been obtained from Municipal Council, Zirakpur vide Letter No 3756, dated: 18.02.2020; copy of the same enclosed as Annexure 3 .
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 the keep the environment safe. Photographs showing the green area provide within the project premises and along the 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 been 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

. No.	Conditions	Reply
	a) The entire cost of the environmental management plan will continue to be borne by the project proponent until the responsibility of environmental management plan is transferred to the occupier/ residents society under proper MOU under intimation to SEIAA, Punjab. The project proponent shall spend minimum amount as proposed in the EMP. b) The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017- IA.III dated 1 st May 2018, regarding Corporate Environment Responsibility (CER).	 The budgetary details for activities undertaken under environment management plan is enclosed as Annexure 5. Rs. 22.05 lakhs have been spent under Remediation Plan and Natural and Community Resource Augmentation Plan. The details of the activities undertaken are given below: Rs. 7.50 lakhs for construction of rain water harvesting works at Guruduwara Shri Guru Singh Sabha, Lohgarh, Zirakpur dated 12.03.2020. Rs.4.55 lakhs on Horticulture & Green Area Development works at Govt. Sr. Secondary School, Lohgarh, Zirakpur 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 shall conform to the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Act, 1986. The exhaust pipe of DG set if installed must be	Agreed. Diesel generator sets conform to the provisions of Diesel Generator Set Rules prescribed under the Environment (Protection) Act, 1986.

	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 Annexure 4 .
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 Annexure 6 .

	bring down the levels within the prescribed standards	
vi.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, by project proponents from the other statutory bodies as applicable. The project proponent shall also obtain permission from the NBWL, if applicable.	 Agreed. All necessary approvals have been obtained as and when required. Such as: Renewal of Consent to Operate has bee obtained from PPCB; copy of the same i attached as Annexure 1. Assurance letter has been obtained from MC, Zirakpur regarding the solid wast collection and disposal; copy of the same is attached as Annexure 2. NOC has been obtained from Fir Department; copy of the same is attached as Annexure 7. Structural Safety Certificate is attached along as Annexure 8. Punjab Water Regulation and Developmen Authority (PWRDA) NOC has been obtained; copy of the same is enclosed a Annexure 9.
vii.	The State Environment Impact Assessment Authority, Punjab reserves the right to add additional safeguards/ measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguards/ measures in a time bound and satisfactory manner.	All the necessary measures have been taken and implemented properly. However the project is in process to hand over to Resident Welfare Associatio (RWA). Thus, the additional measures will b taken care by them in future.
viii.	A proper record showing compliance of all the conditions of environmental clearance shall be maintained and made available at site at all the times.	Agreed. Proper record showing compliance of all the conditions of environmental clearance is being 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 bein submitted to RO, MoEF&CC, Chandigarh and SEIAA, Punjab.

	1 st June and 1 st 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 mai 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 Annexure 4 .
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.
	8	

-	PUNL	AB POLLUTION CON	TROPRESE	
PUN	IAB	Office-I, Vatavaran Bhawan, N		
î	Ĩ	Website:- <u>www.ppcb.gov</u>		
Office Dis	spatch No : R	Registered/Speed Post	Date:	
Industry	Registration ID: 016SAS4074435		Application No :	10132105
0,	Bhupinder Singh Vip Road, Zirakpur, Tehsil Dera Bass Zirakpur,Sasngarpunjab-140603	si, Distt. Sas Nagar		
ubject:	Grant of 'Consent to Operate' u/s 21 emissions arising out of premises. With reference to your application fo Pollution) Act, 1981, you are hereby, au	r obtaining 'Consent to Opera athorized to operate an industria	te' u/s 21 of Air (Prevention 1 unit for discharge of the em	n & Control
Particu	out of your premises subject to the Tern lars of Consent to Operate under Air Ac			
Conser	at to Operate Certificate No.	CTOA/Fresh/SAS/20	19/10132105	
Date of	f issue :	19/09/2019		
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Quantity of fuel required (in Tl boilers/ Furnace/Thermo heate		As per application no.10132105
		2 no. DG set of 620 KVA each - HSD @ 80 lt/day each as fuel - Canopy and stack of 5.5 mt. above roof level each.
Type of Air Pollution Control I	Devices to be installed	2 no. DG set of 620 KVA each - HSD @ 80 lt/day each as fuel - Canopy and stack of 5.5 mt. above roof level each.
Stack height provided with each heater/Furnace etc.	h boiler/thermo	2 no. DG set of 620 KVA each - HSD @ 80 lt/day each as fuel - Canopy and stack of 5.5 mt. above roof level each.
Sources of emissions and type o	of pollutants	DG Set - SPM, SOx, NOx
Standards to be acheived under Control of Pollution) Act, 1981	r Air(Prevention &	As per emission standards prescribed by the PPCB/ MoEF&CC from time to time.
		(Bakesh Kumar)
	PII	Environmental Engineer For & on behalf
	1.0	of
		(Punjab Pollution Control Board)
dst. No.:	Income State	
	to the following for inforr	mation and necessary action please:
	njab Pollution Control Boa	ard, Regional Office, SAS Nagar
	njab Pollution Control Boa	
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	njab Pollution Control Boe	ard, Regional Office, SAS Nagar 19092019 (Rakesh Kumar) Environmental Engineer For & on behalf of

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
8. Jote • M	More than 30 ton/hr.	30 meters or using the formula H = 14 Qg0.3or H = 74 (Qp)0.24 Where Qg = Quantity of SO2 in Kg/hr. albe-90.amtrc.org.as.calculated from, relevant formula
vhicheve	er is more.	at the Quantity of parsion and manage in Quirthy, vant for mula
	dustrial furnaces and kilns, the crite the corresponding steam generation.	ria for selection of stack height would be based on fuel
iii) Stacl	cheight 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 50-100KVA 100-150KVA For higher KVA rating stack height	Height of the building -do-	+ 1.5 mt + 2.0 mt.		
100-150 KVA		+ 2.0 mt.		
or higher KVA rating stack height	-do-	+ 2.5 mt.		
	H (in meter) shall be worke	d out according to the formula:		
150-200 KVA	H = h+0.2 d(KVA)0.5	+ 3.0 mt.		
where h = height of the building in met	ters where the generator set is	s installed.		
The pollution control devices shall be ts regular operation. 200-250 KVA	interlocked with the manufa -do-	cturing process of the industry to ensure + 3.5 mt.		
The existing pollution control equipme	ment or chimney shall be alte	d in accordance with the directions of the ered or as the case may be erected or re		
250-BothKIV A will provide canopy and a notification No GSR-371 E dated Environment (Protection) Act, 1980	17-5-2002(amended from t	sets so as # 3.50mm ply with the provision o time to time) issued by MOEF unde		
		ronment vide its notification no.4/46/92 husk as fuel after 1.4.1995 except the		
		bed combustion.So the industry shall tification.�		
The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year				
That the industry shall submit a yearly certificate to the effect that no addition / up-gradation/ modification/ modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.				
a) The industry shall ensure th standards laid down by the	at at any time the emission of Board from time to time for	to not exceed the prescribed emissions such type of industry /emissions.		
	hat the emissions from each wn by the Board in respect	stack shall conform to the following of the Industrial Boilers.		
Steam Generating Required p capacity A.	articulate matter B.			
Area upto 5 Km from Other than Other than the periphery of I and Class-II town	ı'A' class			
Less than 2 ton/hr. 80	00 mg/NM3	1200 mg/NM3		
	00 mg/NM3	1000 mg/NM3		
Mbannissionsmormalized to 12% carbs	-	500 mg/NM3		
Altionindfistory/schall ensure that the Haf	itandforMWastes generated fi fanagement, Handling and T	rom théoprogrivités are handled as per th Fransboundary Movement) Rules, 2008		
The air pollution control equipments sh	hall be kept at all time in good	d running condition and;		
	computer generated document from			

Page4

- (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.

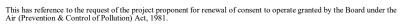
- Twice/thrice/four time in a Year for Large/Medium Scale Industries. (ii)
- The industry shall maintain the following record to the satisfaction of the Board :-
 - Log books for running of air pollution control devices or pumps/motors used for it. (i)
- (ii) Register showing the result of various tests 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 Page5

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 OCMAIS by PPCB" Indian Railway Welfare Organisation, Village Bishanpura, Vip Road, Zirakpura, Tehsil Dera Bassi, Distt. Mohali,Derabassi,Sas Nagar, 140603 Page6

ffice Dispatch No : ndustry Registration ID:	Register 016SAS4074435	ed/Speed Post Date:
	016SAS4074435	
	0100107077700	Application No: 13678.
Gurdeep Singh Rail Vihar, At Vip Zirakpur,Mohali-1		
bject: Extension in the va articulars of Consent to Op		e under Air (Prevention and Control of Pollution) Act, 1981. I granted to the industry
Consent to Operate Certificate	e No.	CTOA/Renewal/SAS/2020/13678339
Date of issue :	011	16/12/2020
Date of expiry :	PU	31/03/2021
Certificate Type :		Renewal
		From: 19/09/2019 To: 31/03/2020
articulars of the Industry	T	
articulars of the Industry	wirent	Gurdeen Singh (Project Manager)
articulars of the Industry Name & Designation of the Ap Address of Industrial premises	-	Gurdeep Singh, (Project Manager) Indian Railway Welfare Organisation (irwo)/ Rail Vihar, Rail Vihar, Vilage Bishanpura, At Vip Road, Zirakpur, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar-140603
Name & Designation of the Ap	s	Indian Railway Welfare Organisation (irwo)/ Rail Vihar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Tehsil Dera Bassi, Distt. Mohali,
Name & Designation of the Ap	s	Indian Railway Welfare Organisation (irwo)/ Rail Vihar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Tehsil Dera Bassi, Distt. Mohali, Derabassi,Sas Nagar-140603
Name & Designation of the Ap Address of Industrial premises Capital Investment of the Indu Category of Industry	s	Indian Railway Welfare Organisation (irwo)/ Rail Vihar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Tehsil Dera Bassi, Distt. Mohali, Derabassi,Sas Nagar-140603 16075.42 lakhs
Name & Designation of the Ap Address of Industrial premises Capital Investment of the Indu	s	Indian Railway Welfare Organisation (irwo)/ Rail Vihar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar-140603 16075.42 lakhs Red Building, Const. projects, Township & Area development



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.

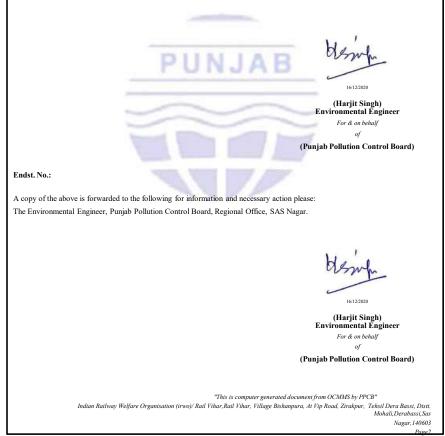
2. The project proponent shall properly handle and manage the solid waste as per the provisions of the Solid Waste Management Rules 2016.

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

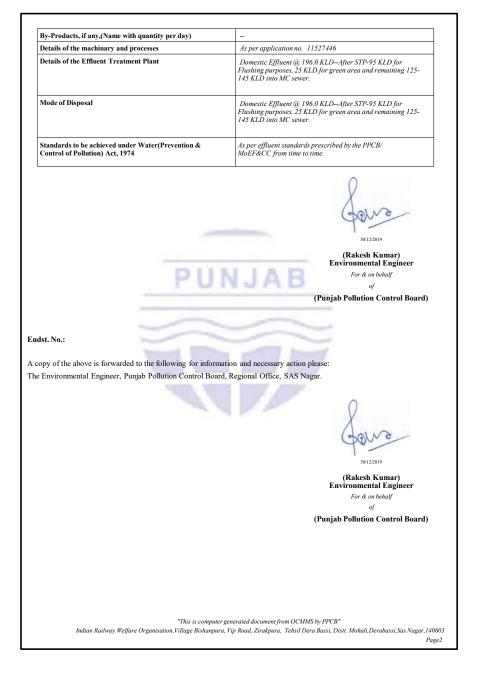
4.The promoter shall provide a buffer zone of green belt (dense populated trees with pleasant fragrance) around the sewage treatment plant, so as to reduce the effect of odor problem on the nearby residential area.

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.



PUN	JAB		DLLUTION CONTROL BOARI Vatavaran Bhawan, Nabha Road, Patiala	
~	\approx		Website:- <u>www.ppcb.gov.in</u>	
Office Die	spatch No :	Pogistor	d/Speed Post Date:	
		-	-	
Industry	Registration ID:	O16SAS4074435	Applicati	on No : 11527446
То,	Bhupinder Singh Vip Road, Zirakp Zirakpur,Sasnga	our, Tehsil Dera Bassi, Distt	Sas Nagar	
Subject:	Grant of 'Consen discharge of efflu	nt to Operate'an outlet u/s 2 sent.	5/26 of Water (Prevention & Control of F	ollution) Act, 1974 for
	25/26 of Water (P	Prevention & Control of Pollu	g 'Consent to Operateĩ $_{c}^{1/2}$ an outlet for disc tion) Act, 1974, you are, hereby, authorized f your premises subject to the Terms and Co	d to operate an industrial
. Particu	lars of Consent to C	Operate under Water Act, 19	974 granted to the industry	
Conser	t to Operate Certifica	ate No.	CTOW/Fresh/SAS/2019/11527446	
Date of	issue :		30/12/2019	
Date of	fexpiry :		31/03/2020	
Certifi	cate Type :	the second second	Fresh	
. Particu	lars of the Industry			
Name	& Designation of the A	Applicant	Bhupinder Singh, (General Manager)	
Addre	s of Industrial premis	ies	Indian Railway Welfare Organisation, Village Bishanpura, Vip Road, Zirakpura, Bassi, Distt, Mohali, Derabassi,Sas Nagar-140603	Tehsil Dera
Canita	I Investment of the In	dustry	15939.13 lakhs	
-	ry of Industry	uusuy	Red	
Type o				
	Thuustry		Building, Const. projects, Township & Area covered under EIA notification dated	
Scale o	f the Industry			
-	-		covered under EIA notification dated	
Office	f the Industry		covered under EIA notification dated	14/9/06 03.2018 as water 81/4612 dated /- vide nt to operate fee under Act, 1974 and Air 881 and Rs.
Office	f the Industry District	"This is compute	covered under ELA notification dated Large Sas Nagar Rs. 1,80,000 vide R. no. 80/4612 dated 19.0 consent fee and Rs. 1,80,000/- vide R. no. 8 19.03.2018 and has deposited Rs. 3,60,000 CR. no. 7,4/4853 dated 15/3/2019 as "conse Water (Prevention & Control of Pollution) (Prevention & Control o	14/9/06 03.2018 as water 31/4612 dated /- vide nt to operate fee under Act, 1974 and Air 981 and Rs. 2019
Office Conser	f the Industry District	lfare Organisation, Village Bishanpu	covered under ELA notification dated Large Sas Nagar Rs. 1,80,000 vide R. no. 80/4612 dated 19.0 consent fee and Rs. 1,80,000/ vide R. no. 8 19.03.2018 and has deposited Rs. 3,60,000 CR. no. 7,4/4853 dated 15/3/2019 as "conse Water (Prevention & Control of Pollution) (Prevention & Control of	14/9/06 03.2018 as water 31/4612 dated /- vide nt to operate fee under Act, 1974 and Air 981 and Rs. 2019



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 13. of the conditions of consent
- 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.
- 18. The pollution control devices shall be interlocked with the manufacturing process of the industry.
- 19. The authorized outlet and mode of disposal shall not be changed without the prior written permission of the Board
- 20. The industry shall comply with the conditions imposed by the SEIAA / MOEF in the environmental clearance granted to it as required under EIA notification 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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Indian Railway Welfare Organisation, Village Bishanpura, Vip Road, Zirakpura, Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar, 140603

Page3

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

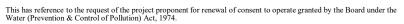
30/12/2019

(Rakesh Kumar) Environmental Engineer For & on behalf of

(Punjab Pollution Control Board)

"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 Page5

	Zonal Office-I, Va	LUTION CONT tavaran Bhawan, Na Website:- <u>www.ppcb.gov.in</u>		
ffice Dispatch No :	Registered/S	Speed Post	Date:	
ndustry Registration ID:	O16SAS4074435		Application No :	1367838
), Gurdeep Singh Rail Vihar, At Vip Zirakpur,Mohali-1	Road, Zirakpur, Distt. Moha 140603	li		
bject: Extension in the va	alidity of consent to operate up	nder Water (Preventio	n & Control of Pollution) Ac	rt, 1974.
articulars of Consent to O	perate under Water Act, 1974	granted to the industr	у	
Consent to Operate Certificat	e No.	CTOW/Renewal/SAS/20	20/13678381	
Date of issue :	TALLS	16/12/2020		
Date of expiry :	PUR	31/03/2021		
Certificate Type :		Renewal		
Previous CTO No. & Validity	:	CTOW/Fresh/SAS/2019		
		From: 30/12/2019	To:31/03/2020	
articulars of the Industry	-			
Name & Designation of the A	nnlicent	Gurdeen Singh (Projec	(Manager)	
Name & Designation of the Ap		Gurdeep Singh, (Projec.		Rail
Name & Designation of the Ap Address of Industrial premise		Indian Railway Welfare Vihar, Village Bishanpu	Organisation (irwo)/ Rail Vihar, ara, At Vip Road, Zirakpur, Tehsu	
		Indian Railway Welfare Vihar, Village Bishanpu Dera Bassi, Distt. Moha	Organisation (irwo)/ Rail Vihar, wa, At Vip Road, Zirakpur, Tehsu	
		Indian Railway Welfare Vihar, Village Bishanpu	Organisation (irwo)/ Rail Vihar, wa, At Vip Road, Zirakpur, Tehsu	
Address of Industrial premise	55	Indian Railway Welfare Vihar, Village Bishanpu Dera Bassi, Distt. Moh Derabassi,Sas Nagar-1-	Organisation (irwo)/ Rail Vihar, wa, At Vip Road, Zirakpur, Tehsu	
Address of Industrial premise Capital Investment of the Ind	55	Indian Railway Welfare Vihar, Village Bishanpu Dera Bassi, Distt. Moh Derabassi,Sas Nagar-1- 16075.42 lakhs	Organisation (irwo)/ Rail Vihar, wa, At Vip Road, Zirakpur, Tehsu	
Address of Industrial premise Capital Investment of the Ind Category of Industry	55	Indian Railway Welfare Vihar, Village Bishanpu Dera Bassi, Distt. Moha Derabassi, Sas Nagar-1- 16075.42 lakhs Red	Organisation (irwo)/ Rail Vihar, ra, At Vip Road, Zirakpur, Tehsi li, 10603	
Address of Industrial premise Capital Investment of the Ind	55	Indian Railway Welfare Vihar, Village Bishanpu Dera Bassi, Disti. Moha Derabassi,Sas Nagar-1- 16075.421akhs Red Building, Const. project	Organisation (irwo)/ Rail Vihar, wa, At Vip Road, Zirakpur, Tehsu	
Address of Industrial premise Capital Investment of the Ind Category of Industry	55	Indian Railway Welfare Vihar, Village Bishanpu Dera Bassi, Disti. Moha Derabassi,Sas Nagar-1- 16075.421akhs Red Building, Const. project	Organisation (irwo)/ Rail Vihar, ra, At Vip Road, Zirakpur, Tehsi li, 10603 s, Township & Area development	



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.

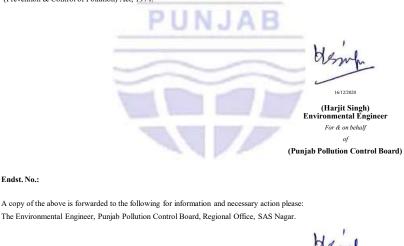
4.The project proponent shall install one more rain water harvesting pit/ bore well in compliance to the Environmental Clearance granted to it within one month.

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.

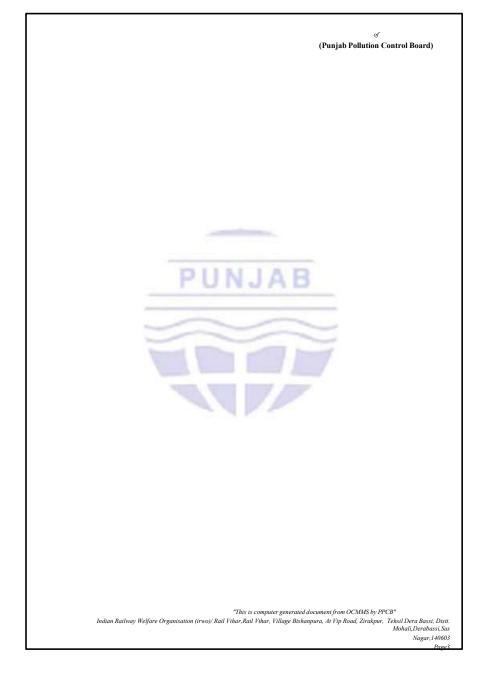
The project proponent shall be bound to comply with all the conditions imposed in the original consent to operate granted to it under the Water (Prevention & Control of Pollution) Act, 1974 as well as above mentioned conditions.

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, Distt. Mohali,Derabassi,Sas Nagar,140603



	Zonal Office-I, Vat	LUTION CONTE lavaran Bhawan, Nal Website:- www.ppcb.gov.in		
office Dispatch No :	Registered/	Speed Post	Date:	
ndustry Registration ID: 0	16SAS4074435		Application No :	1546373
^{0,} Gurdeep Singh Rail Vihar, At Vip Ro Zirakpur,Mohali-1400 ıbject: Renewal of Consent to	503	of the Water (Preventi	on & Control of Pollution	1) Act, 197
Particulars of Consent to Opera	ate under Water Act, 1974	granted to the industry	r	
Consent to Operate Certificate	e No.	CTOW/Renewal/SAS/2	2021/15463732	
Date of issue :	DIIN	08/06/2021		
Date of expiry :	E M P	31/03/2022		
Certificate Type :		Renewal		
Previous CTO No. & Validity	:	CTOW/Renewal/SAS/2 From:16/12/2020	2020/13678381 To:31/03/2021	
Name & Designation of the Ap Address of Industrial premise	Activations	Gurdeep Singh, (Proje Indian Railway Welfa Rail Vihar, Village Bis Tehsil Dera Bassi, Dis Derabassi, Sas Nagar-	e Organisation (irwo)/ Ra hanpura, At Vip Road, Zir 11. Mohali,	il Vihar, akpur,
Capital Investment of the Indu	ustrv	16075.42 lakhs		
Category of Industry		Red		
Type of Industry		Building, Const. proje covered under E.	cts, Township & Area deve IA notification dated 14/9/1	lopment 16
Scale of the Industry		Large		
Office District		Sas Nagar		
and the second		Large		

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.

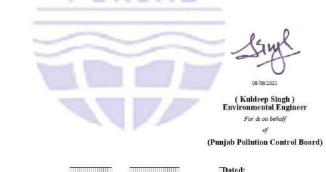
4. The project proponent shall ensure that no effluent from plantation area is going into any choe / drain directly or indirectly.

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.

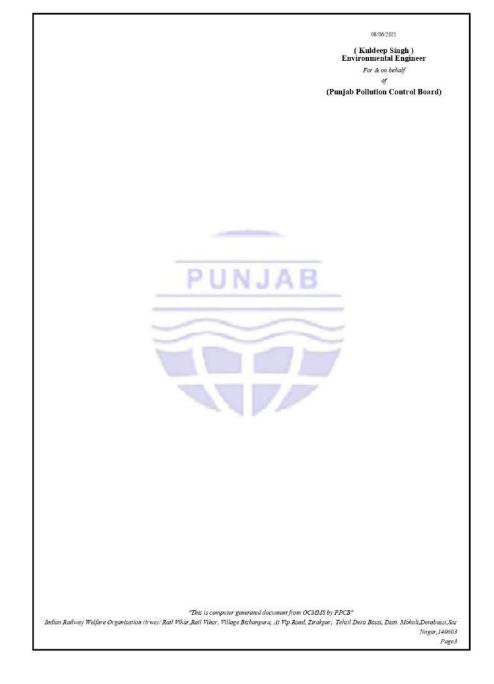


Endst. No.:

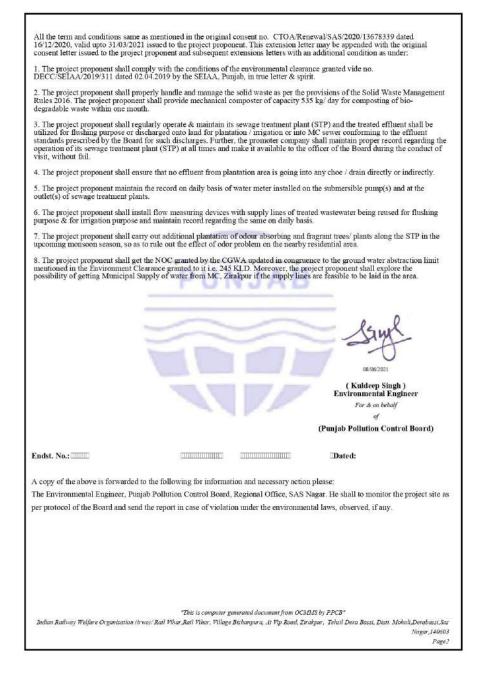
A copy of the above is forwarded to the following for information and necessary action please: The Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar. He shall visit the project site to monitor the STP / project site and to verify the mode of disposal as per protocol of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

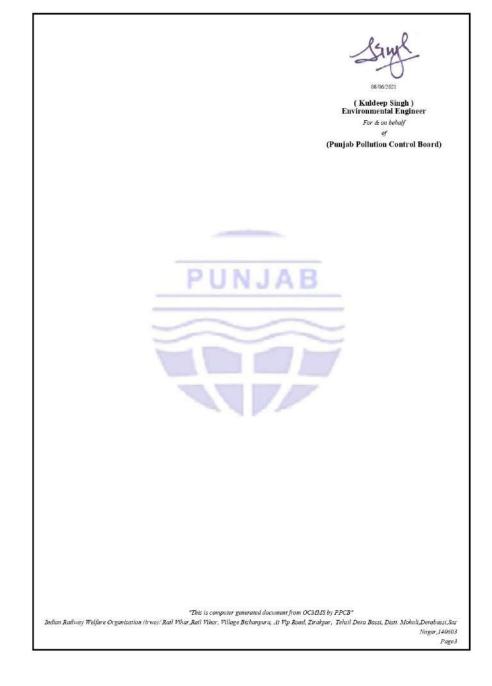
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Indian Rahway Welfare Organisation (wwo)/ Rail Vihar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Teksil Dera Bassi, Disti. Mohali,Derabassi,Sas Nagar,140603 Page2



o, Gurdeep Singh Rail Vihar, At Vip R Zirakpur,Mohali-140	0168A54074435 0ad, Zirakpur 0603	ered/Speed Post Date: Application	No: 15463220
o, Gurdeep Singh Rail Vihar, At Vip R Zirakpur,Mohali-140	oad, Zirakpur 9603	Application	No: 15463220
Rail Vihar, At Vip R Zirakpur, Mohali-140	0603		
Particulars of Consent to Oper	rate under Air Act, 19	on 21 of the Air (Prevention & Control of Pollu 81 granted to the industry	tion) Act, 1981.
Consent to Operate Certifica	te No.	CTOA/Renewal/SAS/2021/15463228	
Date of issue :	31	08/06/2021	
Date of expiry :	PU	31/03/2022	
Certificate Type :	-	Renewal	
Previous CTO No. & Validity	v:	CTOA/Renewal/SAS/2020/13678339	
	Transf The		
Particulars of the Industry Name & Designation of the A	applicant	Gurdeep Singh, (Project Manager)	
Name & Designation of the A Address of Industrial premis		Gurdeep Singh, (Project Manager) Indian Railway Welfare Organisation (irw Rail Vihar, Village Bishanpura, At Vip Rod Tehsil Dera Bassi, Distri. Mohah, Derabassi, Sas Nagar-140003	0)/ Rail Vihar, d, Zirakpur,
Name & Designation of the A	es	Indian Railway Welfare Organisation (irw Rail Vihar, Village Bishanpura, At Vip Roo Tehsil Dera Bassi, Distt. Mohali,	0)/ Rail Vihar, d, Zirakpur,
Name & Designation of the A Address of Industrial premis	es	Indian Railway Welfare Organisation (irw Rail Vihar, Village Bishampura, Ai Vip Roa Tehsil Dera Bassi, Dist. Mohah, Derabassi,Sas Nagar-140603	o)/ Rail Vihar, ud, Zirakpur,
Name & Designation of the A Address of Industrial premis Capital Investment of the Inc	es	Indian Railway Welfare Organisation (irw Rail Vihar, Village Bishampura, Ai Vip Roo Tehsil Dera Bassi, Dist. Mohah, Derabassi, Sas Nagar-140603 16075.42 lakhs	ıd, Zirakpur, a development
Name & Designation of the A Address of Industrial premis Capital Investment of the Ind Category of Industry	es	Indian Railway Welfare Organisation (irw Rail Vihar, Village Bishampura, At Vip Roa Tehsil Dera Bassi, Distt. Mohali, Derabassi, Sas Nagar-140603 16075.42 lakhs Red Building, Const. projects, Township & Are	ıd, Zirakpur, a development





Office Dispatch No :		Website:- www.ppcb.gov.ii	bha Road, Patiala 1	
Industry Registration ID:	Registe	red/Speed Post	Date:	
industry registration in.	O16SAS4074435		Application No :	19007755
o, Gurdeep Singh Rail Vihar, At Vip Zirakpnr,Mohali- ubject: Renewal of Conser Particulars of Consent to Oj	140603 nt to Operate under sectio		n & Control of Pollution) A	Act, 1981.
Consent to Operate Certifi		CTOA/Renewal/SAS	(2022/10007755	
Date of issue :		20/07/2022	2022/10/00/100	
	PU	31/03/2024		
Date of expiry :		Renewal		
Date of expiry : Certificate Type :				
Certificate Type : Previous CTO No. & Valid	lity :	CTOA/Renewal/SAS From:08/06/2021	/2021/15463228 To:31/03/2022	
Certificate Type : Previous CTO No. & Valid	T	CTOA/Renewal/SAS	To:31/03/2022	
Certificate Type : Previous CTO No. & Valid Particulars of the Industry	e Applicant	CTOA/Renewal/SAS From:08/06/2021 Gurdeep Singh, (Pro Indian Railway Wel	To:31/03/2022 gject Officer) fare Organisation (irwo)/ Rat Jishapura, At Vip Road, Zirv isst. Mohati,	il Vihar, akpur,
Certificate Type : Previous CTO No. & Valid Particulars of the Industry Name & Designation of the	e Applicant nises	CTOA/Renewal/SAS From:08/06/2021 Gurdeep Singh, (Pro Indian Railway Wel Rail Vihar, Village Tehsil Dera Base	To:31/03/2022 gject Officer) fare Organisation (irwo)/ Rat Jishapura, At Vip Road, Zirv isst. Mohati,	il Vihar, akpur,
Certificate Type : Previous CTO No. & Valid Particulars of the Industry Name & Designation of the Address of Industrial pren	e Applicant nises	CTOA/Renewal/SAS From:08/06/2021 Gurdeep Singh, (Pro Indian Railway Wel Rail Vihar, Village Tehsil Dera Bassi, Sas Naga	To:31/03/2022 gject Officer) fare Organisation (irwo)/ Rat Jishapura, At Vip Road, Zirv isst. Mohati,	ll Vihar, akpur,
Certificate Type : Previous CTO No. & Valid Particulars of the Industry Name & Designation of the Address of Industrial pren Capital Investment of the D	e Applicant nises	CTOA/Renewal/SAS From:08/06/2021 Gurdeep Singh, (Pre Indian Railway Wel Rail Vihar, Village Tehsil Dera Bassi, 1 Derabassi, Sas Naga 16075.42 lakhs Red Building, Const. pro	To:31/03/2022 gject Officer) fare Organisation (irwo)/ Rat Jishapura, At Vip Road, Zirv isst. Mohati,	akpur, lopment
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:08/06/2021 Gurdeep Singh, (Pre Indian Railway Wel Rail Vihar, Village Tehsil Dera Bassi, 1 Derabassi, Sas Naga 16075.42 lakhs Red Building, Const. pro	To:31/03/2022 geet Officer) fare Organisation (irwo)/ Rat Sisharpura, AI Vip Road, Zin Sist. Mohali, r-140603 jects, Township & Area deve	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/SELAA/2019/311 dated 02.04.2019 by the SELAA, 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.

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

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.

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)

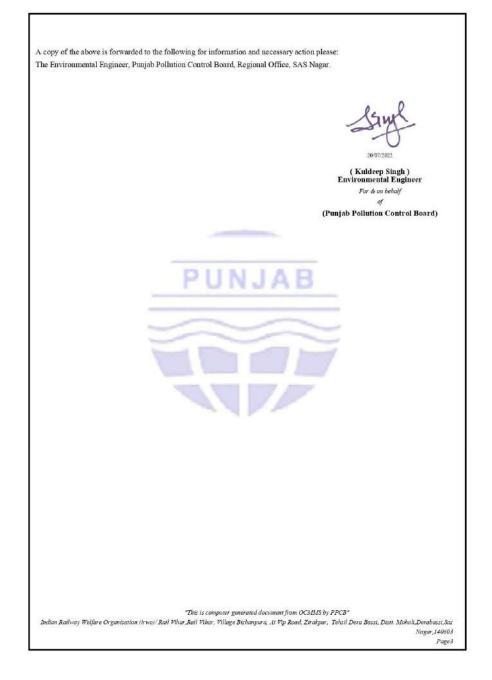
Endst. No.:

Dated:

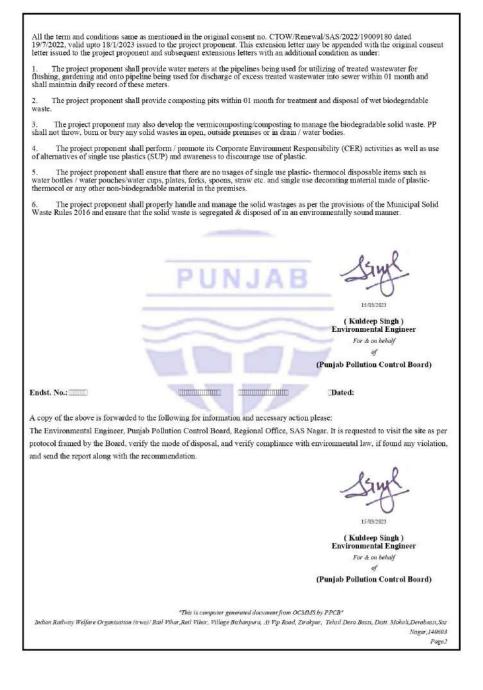
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Indian Rahway Welfore Organisation (11w0)/ Rail Vihar, Rail Vihar, Village Bishanpura, At Vip Road, Zirakpur, Teksil Dera Bassi, Disti. Mohali,Derabassi,Sas Nagar,140603 Page2

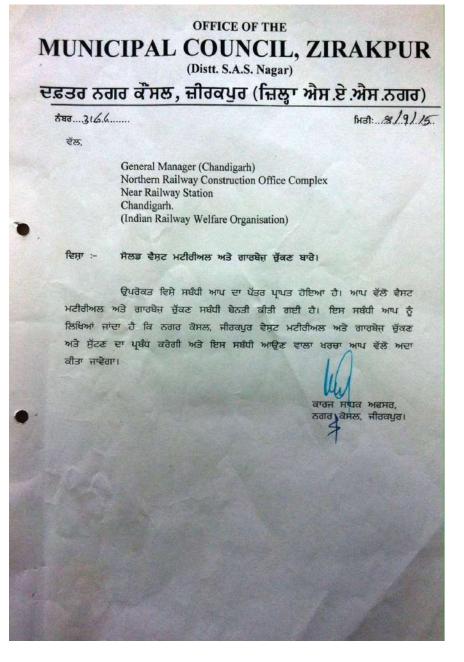
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egistered/Speed Post Date: Application No : 2003 section 25 of the Water (Prevention & Control of Pollution) Act, Act, 1974 granted to the industry CTOW/Renewal/SAS/2023/20836902 15/03/2024 Renewal CTOW/Renewal/SAS/2022/19009180 From:19/07/2022 To:18/01/2023
section 25 of the Water (Prevention & Control of Pollution) Act, Act, 1974 granted to the industry CTOW/Renewal/SAS/2023/20836902 15/03/2023 31/03/2024 Renewal CTOW/Renewal/SAS/2022/19009180
Act, 1974 granted to the industry CTOW/Renewal/SAS/2023/20836902 15/03/2023 31/03/2024 Renewal CTOW/Renewal/SAS/2022/19009180
15/03/2023 31/03/2024 Renewal CTOW/Renewal/SAS/2022/19009180
15/03/2023 31/03/2024 Renewal CTOW/Renewal/SAS/2022/19009180
Renewal CTOW/Renewal/SAS/2022/19009180
CTOW/Renewal/SAS/2022/19009180
From:19/07/2022 10:18/01/2023
Gurdeep Singh, (Project Officer) Indian Railway Welfare Organisation (irwo)/ Rail Vihar Rail Vihar, Vilage Bishanpura, At Vip Road, Zirakpur, Tehsil Dera Bassi, Disti, Mohali,
Derabassi,Sas Nagar-140603 16075.42 lakhs
Red
Building, Const. projects, Township & Area developmen covered under ELA notification dated 14/9/06
Building, Const. projects, Township & Area developmen

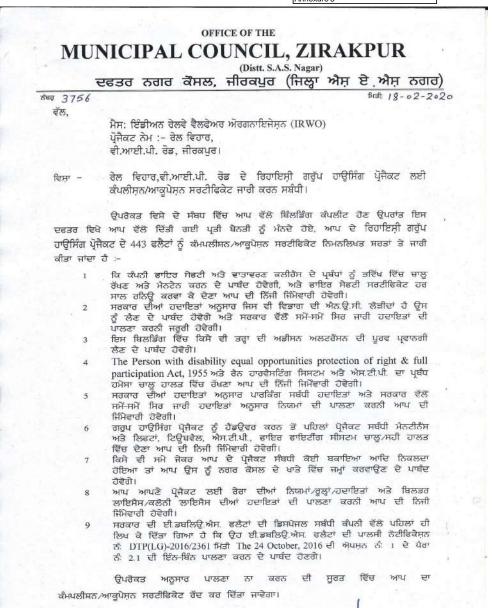


Annexure 2



ems Annexure

Annexure 3



ਕਾਰਜ ਸੰਘਕ ਅਫਸਰ, ਨਗਰ ਕੋਸਲ ਜੀਰਕਪੁਰ।

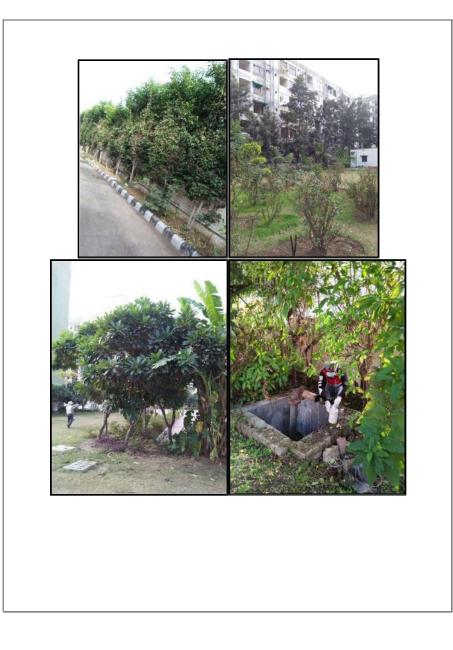




Parking Area



<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

(SK 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. 03AANFC5010D1Z5



trol			GST No. 03/	AANFC501	0D1Z5	(9001 2015 7	
			TEST REPO	RT	Page 01 of (Format No		0/05F/071	6
ISSUE				Report No	a second s		/QC/020322	
M/s In	dian Railway We	lfare Organizatio	on					(012(I)
Rail Vi	har, Zirakpur			Issue date		14.03.2	State of the second second second	
(Punja	b) (140507)			NABL UL		-	3200000081	
				Reg. No. &	a Date	22-03-0	6 & 02.03.2	022
				Customer	Ref. & Date	NA		
Sample	Receipt Date: 02.		nalysis Start Date: (02.03.2022	Analysis C	Completion	Date: 14.0	3.2022
	A. Particular	s of the Sample: (Supplied by Custo	mer)				
	of Sample	Ambient Ai	r Quality	Testing as	Per	NAAQS	\$ 2009	
ODisci		Chemical		Group		Atmosp	heric Polluti	on
	General Informa							
	1. Location of	f Sampling Point	: Near	Main Gate				
	2. Date of Mo		: 01.03	ST1570 - 20				
	3. Purpose of		: For E		Monitoring P	urpose.		
	4. Duration of	f Monitoring, mir	nutes : 1440					
		Rate of Sampling						
		air sampled, m3	: 1651	1.54				
		ent Temperature,	°C : 23					
ir. No.	B. Test Resul		1					
	Test Paramete		Test M			irements AQS 2009)	Test l	Result
1	Sulphur Dioxid		IS 518.			Max.	2	8
2	- R	de (NO ₂), μg/m ³	Emission Regulat Jacob & Hochi	neiser Method) Max.	2	5
3	Particulate Matt	ter (PM10), μg/m ³	IS 5182	the second s	10	0 Max.	8	9
4		er (PM _{2.5}), μg/m ³	CITRO/QC	C/STP/022	60) Max.	5	3
5	Ozone (O3), µg/	m ³	IS 5182	(P-9)	18	0 Max.	BLQ(LC	Q:14.0)
6	Ammonia (NH ₃		IS 5182	(P-25)	40	0 Max.		OQ:5.0)
		ary Information:						-
1. R	eference to Samplin	ig Procedure				C	ITRO/QC/SC	P/026
G	ranhs/Tables/Sketch	es/Photographs as /	ents Taken and Resul Appropriate to the Tes	Danant /ifan		0.53	A	
3. A	ddition to, Deviatio	ns, or Exclusions fro	om the Relevant Test.	Method/Work	Instructions (ii	fany) N	A	
Nancy	Pathañià ved By) r: 1. Test results are rel	ated only to the items/sar	mple tested, total data my W	Plietus	C	aurav Go	yal	
	3. Sample stored afte	r analysis as per Quality waharpur, opposi	for promotional of publicit	tory,		/		-9
Emai					1	1		1
Cont		969439, +91-956	0228522		4		$\langle \rangle$	
	ite : www.citr		v=20J22				\checkmark	\rangle



Registered with Ministry of MSME, Govt. of India

(An ISO: 9001:2015 Certified Company) GST No. 03AANFC5010D1Z5

Reg. No. & Date 22-03-06 & 02.03.2022 Sample Receipt Date: 02.03.2022 Analysis Start Date: 02.03.2022 Analysis Completion Date: 14.0 A. Particulars of the Sample: (Supplied by Customer) Analysis Completion Date: 14.0 Name of Sample Ambient Air Quality Testing as Per NAAQS 2009 Discipline Chemical Group Atmospheric Pollut General Information: I. Location of Sampling Point : Near Main Gate 2. J. Date of Monitoring : 01.03.2022 3. Purpose of Monitoring, minutes : 1440 S. Avg. Flow Rate of Sampling, m3/min. : 1.17 6. Volume of air sampled, m3 : 1651.54 7. Avg. Ambient Temperature, °C : 23 B. Test Results: Sr. No. Test Parameters Test Method Requirements (NAAQS 2009) 1 Carbon Monoxide (CO), mg/m³ CITRO/QC/STP/028 4 Max. 2					TEST R	EPORT		age 01 o ormat N		RO/QSF/0716
Rail Vihar, Zirakpur (Punjab) (140507) Issue date 14.03.2022 Reg. No. & Date 22-03-06 & 02.03.2022 Sample Receipt Date: 02.03.2022 Analysis Start Date: 02.03.2022 Analysis Completion Date: 14.0 A. Particulars of the Sample: (Supplied by Customer) Madysis Completion Date: 14.0 Name of Sample Ambient Air Quality Testing as Per NAAQS 2009 Discipline Chemical Group Atmospheric Pollut General Information: I. Location of Sampling Point : Near Main Gate 2. 2. Date of Monitoring : 01.03.2022 3. Purpose of Monitoring, minutes : 1440 5. Avg. Flow Rate of Sampling, m3/min. : 1.17 6. Volume of air sampled, m3 : 1651.54 7. Avg. Ambient Temperature, °C : 23 B. Test Results: Sr. No. Test Parameters Test Method Requirements (NAAQS 2009) Test 1 1 Carbon Monoxide (CO), mg/m³ CITRO/QC/STP/028 4 Max. 22 2					Repor	t No.		CITRO/	QC/0203	22/012(2)
Reg. No. & Date 22-03-06 & 02.03.2022 Sample Receipt Date: 02.03.2022 Analysis Start Date: 02.03.2022 Analysis Completion Date: 14.0 A. Particulars of the Sample: (Supplied by Customer) Analysis Completion Date: 14.0 Name of Sample Ambient Air Quality Testing as Per NAAQS 2009 Discipline Chemical Group Atmospheric Pollut General Information: I. Location of Sampling Point : Near Main Gate 2. J. Date of Monitoring : 01.03.2022 3. Purpose of Monitoring, minutes : 1440 S. Avg. Flow Rate of Sampling, m3/min. : 1.17 6. Volume of air sampled, m3 : 1651.54 7. Avg. Ambient Temperature, °C : 23 B. Test Results: Sr. No. Test Parameters Test Method Requirements (NAAQS 2009) 1 Carbon Monoxide (CO), mg/m³ CITRO/QC/STP/028 4 Max. 2			elfare Orga	nization	Issue o	late		14.03.20	022	
Sample Receipt Date: 02.03.2022 Analysis Start Date: 02.03.2022 Analysis Completion Date: 14.0 A. Particulars of the Sample: (Supplied by Customer) Testing as Per NAAQS 2009 Discipline Ambient Air Quality Testing as Per NAAQS 2009 Discipline Chemical Group Atmospheric Pollut General Information: : Near Main Gate 1. Location of Sampling Point : Near Main Gate 2. Date of Monitoring : 01.03.2022 3. Purpose of Monitoring, minutes : 1440 5. Avg. Flow Rate of Sampling, m3/min. : 1.17 6. Volume of air sampled, m3 : 1651.54 7. Avg. Ambient Temperature, °C : 2.3 B. Test Results: Test Method Requirements (NAAQS 2009) Test 1 1 Carbon Monoxide (CO), mg/m³ CITRO/QC/STP/028 4 Max. 2 C. Supplementary Information:					Reg. N	o. & Date	-	22-03-0	6 & 02.03	3.2022
A. Particulars of the Sample: (Supplied by Customer) Name of Sample Ambient Air Quality Testing as Per NAAQS 2009 Discipline Chemical Group Atmospheric Pollur General Information: I. Location of Sampling Point Near Main Gate 2. Date of Monitoring : 01.03.2022 3. Purpose of Monitoring, minutes : 1440 5. Avg. Flow Rate of Sampling, m3/min. : 1.17 6. Volume of air sampled, m3 : 1651.54 7. Avg. Ambient Temperature, °C : 23 B. Test Results: Sr. No. Test Parameters Test Method Requirements (NAAQS 2009) Test 1 1 Carbon Monoxide (CO), mg/m ³ CITRO/QC/STP/028 4 Max. 2 C. Supplementary Information: 2 2					Custo	mer Ref. &	Date	NA		
A. Particulars of the Sample: (Supplied by Customer) Name of Sample Ambient Air Quality Testing as Per NAAQS 2009 Discipline Chemical Group Atmospheric Pollut Operation of Sampling Point : Near Main Gate Atmospheric Pollut J. Location of Sampling Point : Near Main Gate Purpose of Monitoring : 01.03.2022 J. Purpose of Monitoring : For Environment Monitoring Purpose. 4. Duration of Monitoring, minutes : 1440 S. Avg. Flow Rate of Sampling, m3/min. : 1.17 Volume of air sampled, m3 : 1651.54 Sr. No. Test Parameters Test Method Requirements (NAAQS 2009) Test 1 1 Carbon Monoxide (CO), mg/m³ CITRO/QC/STP/028 4 Max. 2 1 Carbon Monoxide (CO), mg/m³ CITRO/QC/STP/028 4 Max. 2	Sample R	eccipt Date: 02	2.03.2022	Analysis St	art Date: 0	2.03.2022	Ana	ysis Com	pletion I	Date: 14.03.2022
Name of Sample Ambient Air Quality Testing as Per NAAQS 2009 Discipline Chemical Group Atmospheric Pollu General Information: I. Location of Sampling Point : Near Main Gate 2 2. Date of Monitoring : 01.03.2022 3. Purpose of Monitoring, minutes : 1440 5. Avg. Flow Rate of Sampling, m3/min. : 1.17 6. Volume of air sampled, m3 : 1651.54 7. Avg. Ambient Temperature, °C : 2.3 B. Test Results: Sr. No. Test Parameters Test Method Requirements (NAAQS 2009) Test 1 1 Carbon Monoxide (CO), mg/m ³ CITRO/QC/STP/028 4 Max. 2 C. Supplementary Information: Uniformation: 1 2		A. Particular	s of the Sam	ple: (Supplied	by Custor	ner)	-	-		
Discipline Chemical Group Atmospheric Pollut General Information: 1. Location of Sampling Point : Near Main Gate . 2. Date of Monitoring : 01.03.2022 . . 3. Purpose of Monitoring : For Environment Monitoring Purpose. . 4. Duration of Monitoring, minutes : 1440 . 5. Avg. Flow Rate of Sampling, m3/min. : 1.17 . 6. Volume of air sampled, m3 : 1651.54 . 7. Avg. Ambient Temperature, °C : 2.3 . B. Test Results: . . Sr. No. Test Parameters Test Method Requirements (NAAQS 2009) . 1 Carbon Monoxide (CO), mg/m³ CITRO/QC/STP/028 4 Max. . . 2 C. Supplementary Information: 	Name of	Sample	Ambic	nt Air Quality			s Per	N	AAQS 2	009
1. Location of Sampling Point : Near Main Gate 2. Date of Monitoring : 01.03.2022 3. Purpose of Monitoring : For Environment Monitoring Purpose. 4. Duration of Monitoring, minutes : 1440 5. Avg. Flow Rate of Sampling, m3/min. : 1.17 6. Volume of air sampled, m3 : 1651.54 7. Avg. Ambient Temperature, °C : 23 B. Test Results: : Sr. No. Test Parameters Test Method Requirements (NAAQS 2009) Test 1 1 Carbon Monoxide (CO), mg/m ³ CITRO/QC/STP/028 4 Max. 2 C. Supplementary Information: : : 2	Disciplin	e	Chemi	cal		Contraction of the local division of the loc		Atmospheric Pollution		
I Carbon Monoxide (CO), mg/m ³ CITRO/QC/STP/028 4 Max. 2 C. Supplementary Information:		3. Purpose of 4. Duration o 5. Avg. Flow 6. Volume of 7. Avg. Ambi	Monitoring f Monitoring Rate of Sam air sampled ent Tempera	g, minutes pling, m3/min. , m3	: For E : 1440 : 1.17 : 1651	nvironment	Monit	oring Pu r,	505 e .	
C. Supplementary Information:	Sr. No.	Test Parame	ters		Test M	lethod				Test Result
	1	Carbon Mono	xide (CO), n	ig/m³	CITRO/Q0	C/STP/028		4 M	ax.	2.2
				ation:						
Reference to Sampling Procedure CITRO/QC/S Supporting Documents for the Measurements Taken and Results Derived Like: NA									CIT	RO/QC/SOP/026

Supporting Documents for the Measurements Taken and Results Derived Like:
 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

Nativaria 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

Email : info@citrolab.com

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

Website : www.citrolab.com





Registered with Ministry of MSME, Govt. of India

(An ISO: 9001:2015 Certified Company) GST No. 03AANFC5010D1Z5



		TEST RE			01 of 01 CITRO/QSF/0716
ISSUED TO:			Report N	No.	CITRO/QC/020322/013
M/s Indian Railwa		nization	Issue da	te	10.03.2022
Rail Vihar, Zirakp			NABL U	LR No.	TC89532000000812F
(Punjab) (140507)			Reg. No.	& Date	22-03-06 & 02.03.2022
			Custome	er Ref. & Dat	e NA
Sample Receipt Dat		Analysis Start Date: 02.0	te: 02.03.2022 Analysis Cor		ompletion Date: 10.03.2022
A. Par	ticulars of the Sa	ample: (Supplied by Custo	mer)		
Name of Sample	Ambient Noise		Testing as Po	er EPA	-1986, PCLS/02/2021
Discipline	Chemical		Group	100000	ospheric 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, Leg 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

Remarks: NA:- Not Applica





Gaura Goyal Technical Head (Authorized Signatory)

(Reviewed By)

Nathanse Nancy Pathania

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

Email : info@citrolab.com

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

Website : www.citrolab.com





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incic	ab							Diam
			TEST REPOR		e 01 of 01 mat No. :		0/QSF/0716	
	ED TO:			Report No.		CITRO	/QC/020322/0	014(1)
	ndian Railway Welfar	re Organizatio	n	Issue date		14.03.2		
Rail V	ihar, Zirakpur			NABL ULR N	10		32000000081	10
(Punja	ab) (140507)			Reg. No. & Di				
							06 & 02.03.20	22
Samuel	e Receipt Date: 02.	02 2022 1 4.00	lysis Start Date	Customer Ref		NA		
oump	A Particulare	of the Samular	(Supplied by Cu	02.03.2022	Analysis C	ompleti	on Date 1	4.03.2022
Name	of Sample	Ground W	(Supplied by Cu	stomer) Testing as Per		10, 107	00 2012 0 1 2	010
Locati		NA	ater	Declared Values	(If and	NA	00-2012, R.A.2	1018
		0.00.01		Declared values	(II any)	INA		
Sampl	le Code No.	NA		Batch No. & D.0).M.	NA		
Date o	of sampling	NA		Time of samplin	g	NA		
Sampl	le Quantity	2 ltr.		Mode of Packing	ç.	Packed in		n
Discip	line	Chemical		Group		Water		
Seal		NA		IO's Signature		NA		
Any	Any Other Information Sam		I lanted by Lat		2022	1.00000		
any C	B. Supplement			ep. on dated 02.03.	2022			
1. 1	Reference to Sampling		MB (all the olde of the	OD IOO C
2.	Supporting Documents	s for the Measure	rements Taken and	Results Dorived 1	ika		CITRO/QC/SONA	OP/025
	Graphs/Tables/Sketche	es/Photographs	as Appropriate to	the Test Report (if	anvì		14/4	
3. 1	Addition to, Deviation:	s, or Exclusions	from the Relevan	It Test Method/Wo	rk Instructi	ions	NA	
((if any)					2010		
	C. Test Result							
S. No.	Test Param	neters	Test Method	Requirement (IS: 10500-2012)	Permissi in Absence Source (IS:	of Alterna	te	Result
1	Colour, (Hazen units)	1S: 3025 (P-4)	5 max.		10500-201. max.		5
2	Odour		IS: 3025 (P-5)	Agreeable		enble		eable
3	pH value		IS: 3025 (P-11)	6.5 to 8.5		axation	7.	
4	Turbidity (NTU)		IS: 3025 (P-10)	1 max.	5m	lax.		1.0
5	Chloride as Cl (mg/l)		IS: 3025 (P-32)	250 max.	1000	max.		6
6	Iron as Fe (mg/l)		IS: 3025 (P-53)	1.0 max.	No rela	axation	and the second se	2
7	Total Hardness as Ca		IS: 3025 2001	200 max.	600	max.	14	17
	D. Remarks: N therway cyPathania riewed By)	۲.	Dong Ba	100		Tech	Wwwy, av Goyal mical Head rized Signator	
		parts shall not be use analysis as per Qualit	d for promotional or put y System Procedure	blicity purpose.	involced amou	nt only.		0
Ad	dress : Village-Jaw	vaharpur, oppo	site to Ind Swift I	Factory,		P	۹ ۵	-
		Distt-SAS Na	gar, Punjab-1405	07	0	/		
	nail : info@citro						1	1
	ontact us: +91-85289	69439, +91-95	60228522		<	7	< >	-
W	ebsite : www.citrol	lab.com			1	1		



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	TES	ST REPORT	Page 01 of Format No.		RO/QSF	/0716
SUED TO:		Re	port No.			0322/014(2)
/s Indian Railway W	elfare Organization	Ice	ue date	14.0	3.2022	
ail Vihar, Zirakpur			g. No. & Date	22-0	22-03-06 & 02.03.2022	
unjab) (140507)			stomer Ref. & Date	NA		
I. Barrier Dave Of	02 2022 Anaturi	s Start Date: 02			ate: 14.03	2022
imple Receipt Date: 02	ars of the Sample: (Su				arc. 14.05	
me of Sample	Ground Water	r l	Testing as Per	IS: 10	500-2012,	R.A:2018
cation	NA	Declared Values (If any)		NA		
nple Code No. NA			Batch No. & D.O.M.	NA		
ate of sampling	NA		Time of sampling	NA		
mple Quantity	2 ltr.		Mode of Packing	Packe	ed in Plast	ic Can
scipline	Chemical		Group	Wate	r	
al	NA		IO's Signature	NA		
ny Other Information	Sample Colle	cted by Lab . re	ep. on dated 02.03.2022			
	nentary Information:					
1. Reference to Sam	pling Procedure				NA	
2. Supporting Docur	nents for the Measuren	nents Taken and	d Results Derived Like: the Test Report (if any)		NA	
(if any) C. Test R		Method	nt Test Method/Work Instruct	nt		Result
No.			(IS: 10500-2012)			
Table 6 Microbiolog	cal Test (Clause 4)					
1 E.Coli / 100ml		By Test KIT	Shall not be detectable in an	y 1 00m	Isample	Absent
	Bacteria/ 100ml	By Test KIT	Shall not be detectable in ar	y 100m	Isample	Absent
2 Total Coliform	100-80100800021040400000000	181 10				
	rks : NA: Not Applical	By Test KIT	est Rapart***			



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tro la	ab					Diem
		т	EST REPORT	Page 01 Format 1	of 01 No. : CITRO/QSF/	/0716
ISSUED	TO:		Report	No.	CITRO/QC/0203	22/015(1)
M/s Ind	ian Railway Welfa	re Organization	Issue da		10.03.2022	
Rail Vil	nar, Zirakpur		NABL		TC89532000000	0814P
(Punjab) (140507)			& Date	22-03-06 & 02.03	3.2022
				er Ref. & Date	NA	
Sample	Receipt Date: 02.	03.2022 Analysis S			sis Completion Date	10.03.2022
	A. Particulars	of the Sample: (Sup	ALCONTROL STREET, MARKEN AND AND AND AND AND AND AND AND AND AN			-
Name of	Sample	Stack DG Set -1 (ting as Per	EPA -1986, PCL	S/02/2021
Disciplin	and the second se	Chemical		oup	Atmospheric Po	Ilution
3	 d. Normal d. Stack Identif 3. Type of Stac 4. Stack Height 5. Diameter of 6. Sampling Dr 7. Purpose of M 8. Air pollution a. Status b. Recover 9. Fegitive Em Observations: 1. Flue Gas Ve 2. Flue Gas Ve 3. Volumetric 	k/Duct (RCC/Metal) i from ground Level (n the Stack (cm) irration (minutes) fonitoring i Control Measure y of Material ission, if any mperature, °C, Avg.	: A: : Stu : Mo : Mo : 7 : 7.6 : 56 : Fc	tal r Environment M t Exist 6	G Set-1 (320 kVA) Ionitoring Purpose.	
a	B. Test Resu	lts: Parameter	Test Me	thod	Requirements	Test Results
Sr. No.	Particulate Matter		IS: 11255		0.2 max.	0.08
1 2	Oxide of Nitrogen *Hydrocarbon as ((NO2, g/kw-hr +	IS: 11255 (P-7)		4.0 max.	1.4
3	Sulphur Dioxide (S	SO ₂), mg/Nm ³	Tasting 2	(P-2)	Not Specified	15
Not Nancy (Review	CITRO/QC/SOP/026.	NA - Not Applicable, Date of Monitoring : 0; ad only to the itens/sample to r parts shall not be used for p outly by the itens/sample to r parts shall not be used for p	2-07 372, *Tested of Test Report Dera Bassi and of Test Report Dera Bassi and of the second the second the second the second test of test o	ab is limited to invoi	S/02/2021, Sampling T Gauray Goyal Technical Hea (Authorized Signed ced amount only.	id .
Addr	ess : Village-Jaw	analysis as per Quality Syste aharpur, opposite to Distt-SAS Nagar, Po	Ind Swift Factory,		\square	~
	Delabassi,		anjuo-140507	1		- 7

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GST No. 03AANFC5010D1Z5



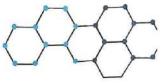
ISSUED 7	ro.				Report No.		o. : CITRO/QSF/ CITRO/QC/02032	
					Issue date		10.03.2022	
and the second second		elfare Organ	ization	1.1		-	22-03-06 & 02.03	2022
	r, Zirakpur				Reg. No. & Da			.2022
(Punjab)		//			Customer Ref.		NA	10.02.2022
Sample Re	eceipt Date:	02.03.2022	Analysis S	start Date	02.03.2022	Analysi	s Completion Date	10.03.2022
	A. Particu	lars of the Sa	mple: (Supp	plied by Ci	istomer)	_		
ame of S	ample	Stack	DG Set -1	(320 kVA)	Testing a	s Per	EPA -1986, PCL	
)iscipline	8	Chen	nical		Group		Atmospheric Po	Ilution
0	c. Tyj d. No 2. Stack I 3. Type of 4. Stack I 5. Diamet 6. Sampli 7. Purpos 8. Air pol b. Re 9. Fugitiv bservations: 1. Fin 2. Fin 3. Vo	pacity on Samy pe of Fuel used rmal operating dentification f Stack/Duct (I elight from gr ter of the Stack- ng Duration (r e of Monitorin lution Control nus covery of Mate e Emission, if use Gas Tempen on Gas Velocity olumetric Flow	& its Consus Schedule (CC/Metal) ound Level (n (cm) ninutes) g Measure trial any ature, °C, Av (m/s), Avg. Rate (Nm3/h	n) rg.	: Metal : 7 : 7.6 : 56	red ched to DG	iour Set-1 (320 kVA) nitoring Purpose.	
	B. *Te	st Results:		-	Test Method		Requirements	Test Result
Sr. No.		Test Paramete Ionoxide as (C			1.15.13270		Max. 3.5	1.5
Narky P (Review	C. Rema ITRO/QC/SOI autorita ed By) r: 1, Test results	rks: NA - Not P/026, Date of 1 のスア	Applicable, Aonitoring : 0 he items/sample to	2-0-2-0-2-2- 	*Tested Guisour al Reports Dassi uniter * uotier the lab is lim	ced.	702/2021, Sampling E Gaural Goyal Technical Hea (Authorized Sig	id

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

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				TE	ST REPO	RT		ge 01 of mat No.		O/QSF/0716
	ED TO:				Report N	0	10		/OC/0203	
M/s	Indian Ra	ulway W	elfare Organ	lization	Issue date			10.03.2		522/010
Rail	Vihar, Zir	rakpur			NABL UI				32000000	0815E
(Pun	jab) (1405	507)			Reg. No.				6 & 02.0	
-	1.0				Customer	Ref. &		NA	0 00 02.0	3.2022
Samp	le Receipt			Analysis Start Date	. 02 03 202	2		Complet	ion Date	: 10.03.2022
	A. 1	Particula	ars of the San	aple: (Supplied by ("ustomer)			and a state of the		
Discipl	of Sample		Noise DG Set	-1 (320 kVA) Monitori	ing	Testin	g as Per	EPA	1986, PCI	LS/02/2021
Discipi	and the second se	l Inform	Chemical			Group	,	Atmo	spheric Pe	ollution
			Ionitoring		: 02	.03.202	2			
			Monitoring		:14	:20 hrs				
	3.1	Purpose	of Monitorin	g				Ionitoring	Purpose.	
				tion Monitored			Set-1 (32	20 kVA)		
		Engine S Make	or. NO.				7152005			
		Concerne of the	ifg. of DG set		66753	loskar				
			ng. of DG set			01.2015				
			roval no.		: 20	59)				
			Control Devi				ied by Pa			
				ound level to top, m		oustic E	Inclosure			
			ight above ro							
				erating Source		ot Appli ound Fl				
			oor, Ground 1		:06	bund Fi	oor			
Sr. No.			Test Para	meter		Test M	ethod	Requir (EPA -	1986,	Test Result
210			Test Para					(EPA - PCLS/0	1986, 2/2021)	2020030257
No.	1 meter av	way from	Test Para	osure, Leq dB(A)		Test Me		(EPA -	1986, 2/2021)	Test Result 74.1
No.	1 meter av C. St	way from upplemen ampling Pr	Test Para Acoustic Enclo ntary Informat	osure, Leq dB(A) ion:	c			(EPA - PCLS/0	1986, 2/2021) 75.0	74,1
No. 1 1 . Re 2. Su	1 meter av C. Su ference to Sa pporting Doc	way from upplemen unpling Pro	Test Para Acoustic Enclo Mary Informat ocedure r the Measurement	isure, Leq dB(A) ion: ints Taken and Results De	rived Like:			(EPA - PCLS/0	1986, 2/2021) 75.0	2020030257
No. 1 1. Re 2. Su Gri	1 meter av C. Su ference to Sa pporting Doc aphs/Tables/8	way from upplemen unpling Pro unrents for Sketches/P	Test Para Acoustic Enclo ntary Informat ocedure r the Measuremen botographs as Ap Exclusions from	osure, Leq dB(A) ion: nts Taken and Results De opropriate to the Test Rep of the Relaxent Tark Made	rived Like: nort (if any)	PCB Gu	idelines	(EPA- PCLS/0 Max.	1986, 2/2021) 75.0 CITRO/Q NA	74.1 C/SOP/026
No. 1 . Re 2. Su Gr	1 meter av C. Su ference to Sa pporting Doc aphs/Tables/8	way from upplement suments for Sketches/P viations, or ks: NA- N	Test Para Acoustic Enclo otary Informat ocedure r the Measurement hotographs as Ag r Exclusions from of Applicable, R	sure, Leg dB(A) ion: nts Taken and Results De propriate to the Test Rep of the Relevant Test Meth equirements as per Jack	rived Like: nort (if any)	PCB Gu	idelines	(EPA- PCLS/0 Max.	1986, 2/2021) 75.0 CITRO/Q NA	C/SOP/026
No. 1 1 Re 2. Su Gri 3. Ad	1 meter av C. St ference to Sa pporting Doc aphs/Tables/ dition to, De D. Remark	way from upplement suments for Sketches/P viations, or ks: NA- N	Test Para Acoustic Enclo ntary Informat ocedure r the Measuremen thotographs as Ag r Exclusions from tot Applicable, R Monitoring: 02-03	sure, Leq dB(A) ion: nts Taken and Results De propriate to the Test Rep in the Relevant Test Meth equirements as per pro- 5-2022	rived Like: nort (if any) out (if any) Mct (of the str Mct (of the str)) Str Mct (of the str Mct (of the str)) Str Mct (of th	PCB Gu	idelines ^r any) Sampling F Gaun Techn	(EPA- PCLS/0 Max.	1986, 2/2021) 75.0 CITRO/Q NA NA CITRO/QC	74.1 C/SOP/026
No. 1 1 Re 2 Su Gr 3 Ad Nant (Revie	1 meter av C. St ference to Sa pporting Doc aphs?Tables? dition to, De D. Remark dition to, De D. Remark y Pathania ewed By) mer: 1. Test ress 2. Test rep 3. Sample	way from upplemen ampling Pr uments for Sketches/P viations, o ks: NA- N Date of N - D2-202 ults are relate pert in full or, abore date	Test Para Acoustic Enclo ntary Informat ocedure r the Measuremen hotographs as Ay fexclusions fron to Applicable, R Monitoring: 02-0; 2-	sure, Leq dB(A) ion: nts Taken and Results De propriate to the Test Rep r the Relevan Test Mep -2022 **** Transformer -2022 **** Transformer 	rived Like: nort (if any) activation of the second activation of the second Pra Bass/ * uoitettoo hold is limited to in spece	ections (ii	idefines Fany) Sampling F Çy Gaun Techni (Authori	(EPA - PCLS/0 Max.	1986, 2/2021) 75.0 CITRO/Q NA NA CITRO/QC	74.1 C/SOP/026
No. 1 1 Re 2 Su Gr 3 Ad Nant (Revie	1 meter av C. St ference to Sa pporting Doc aphs/Tables/ dition to, De D. Remark sylv0.wy y Pathania ewed By) mer: 1. Test res 2. Test rep 3. Sample dtress ; 1	way from upplemen upments for Sketches/P viations, or ks: NA- N Date of N - 02- 202 ults are relate port in full or a lored after a lored after violationed after a lored after Village-	Test Para Acoustic Enclo stary Informat ocedure r the Measuremen (hotographs as Ay Faxelusions from for Applicable, R Monitoring: 02-03 2- d only to the items/san parts shall not be use any sign of Quality Jawaharpur, C	sure, Leq dB(A) ion: ints Taken and Results De propriate to the Test Rep equirements as per pro- to the Relevant Test Meth- equirements as per pro- to the Relevant Test Meth- pro- pro- state of the Relevant Test Meth- to the Relevant Test Meth- pro- pro- state of the Relevant Test Meth- to the Relevant Test Meth- pro- pro- pro- to the Relevant Test Meth- to the Relevant Test Meth- Test Meth- Te	rived Like: introde	ections (ii	idefines Fany) Sampling F Çy Gaun Techni (Authori	(EPA - PCLS/0 Max.	1986, 2/2021) 75.0 CITRO/Q NA NA CITRO/QC	74.1 C/SOP/026
No. 1 1. Ree 2. Suj, 3. Add Disclaine Add	1 meter av C. St ference to Sa pporting Doc aphs/Tables/ dition to, De D. Remark sylv.0.w/ y Pathania ewed By) mer: 1. Test res 2. Test rep 3. Sample dtress : 1	way from upplemen suments for Sketches/P viations, or ks: NA- N Date of N - 02- 202' ults are relate or in full or stored after a Village- Derabas	Test Para Acoustic Enclo stary Informat ocedure r the Measuremen batographs as Ap fexclusions fron for Applicable, R Monitoring: 02-03 2- d only to the items/san parts shill not be use parts shill not be use fawaharpur, C ssi, Distt-SAS	sure, Leq dB(A) ion: nts Taken and Results De propriate to the Test Rep r the Relevan Test Mep -2022 **** Transformer -2022 **** Transformer 	rived Like: introde	ections (ii	idefines Fany) Sampling F Çy Gaun Techni (Authori	(EPA - PCLS/0 Max.	1986, 2/2021) 75.0 CITRO/Q NA NA CITRO/QC	74.1 C/SOP/026
No. 1 Re 2. Suju Gr. 3. Add Disclaim Add En	1 meter av C. St ference to Sa pporting Doc aphs/Tables/ dition to, De D. Remark sy D. Remark sy	way from upplemen suments for Sketches/P vitations, o ks: NA- N Date of N - 02-202' sits are relate port in full or stored after a Village-1 Derabas info@ci	Test Para Acoustic Enclo ntary Informat ocedure r the Measurence hotographs as Ay for Applicable, R Monitoring: 02-03 2- 2- d only to the items/san parts shall not be use any shall not be use stary San Cousting Jawaharpur, C ssi, Distt-SAS trolab.com	sure, Leq dB(A) ion: nts Taken and Results De propriate to the Test Reg the Relevan Test Meth- propriate to the Test Reg 1-2022 **********************************	rived Like: introde	ections (ii	idefines Fany) Sampling F Çy Gaun Techni (Authori	(EPA - PCLS/0 Max.	1986, 2/2021) 75.0 CITRO/Q NA NA CITRO/QC	74.1 C/SOP/026
No. 1 Rec 2. Suj 6. Ad Nante (Revie Disetais Ad En Co	1 meter av C. St ference to Sa pporting Doc aphs/Tables/ dition to, De D. Remark aybuuwy y Pathania ewed By) mer: J. Test res 2. Test rep 3. Sample ddress : 1 nail : i ntact us;	way from upplemen suments for Sketches/P vitations, o ks: NA- N Date of N -02-202' sits see relates port in full or atored after Village-J Derabas info@ci +91-852	Test Para Acoustic Enclo ntary Informat ocedure r the Measurence hotographs as Ay for Applicable, R Monitoring: 02-03 2- 2- d only to the items/san parts shall not be use any shall not be use stary San Cousting Jawaharpur, C ssi, Distt-SAS trolab.com	sure, Leq dB(A) ion: ints Taken and Results De propriate to the Test Rep equirements as per pro- to the Relevant Test Meth- equirements as per pro- to the Relevant Test Meth- pro- pro- state of the Relevant Test Meth- to the Relevant Test Meth- pro- pro- state of the Relevant Test Meth- to the Relevant Test Meth- pro- pro- pro- to the Relevant Test Meth- to the Relevant Test Meth- Test Meth- Te	rived Like: introde	ections (ii	idefines Fany) Sampling F Çy Gaun Techni (Authori	(EPA - PCLS/0 Max.	1986, 2/2021) 75.0 CITRO/Q NA NA CITRO/QC	74.1 C/SOP/026



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			TEST REP	ORT Pa	ige 01 of format No	01 d. : CITRO/QSF/	0716
ISSUEL	D TO:			Report No.		CITRO/QC/0203	
	lian Railway W	elfare Organ	nization	Issue date		14.03.2022	
	har, Zirakpur	B		NABL ULR N	0.	TC895320000000	0816P
	b) (140507)			Reg. No. & Da	Tot.	22-03-06 & 02.03	.2022
(i unjac	(140507)			Customer Ref.		NA	
C	Bassiat Data	02.03.2022	Amphala Start Data			Completion Date	14.03.2022
Sample	A. Particulars of t		Analysis Start Date	Contraction of the second second	Analysis	Completion Date	
					Daw	EPA -1986, PCL	\$/02/2021
	f Sample	Cher	CDG Set -2 (320 kVA) Testing as Group	srer	Atmospheric Po	
Discipli	ne General Inform:		nical	Group		Trancopherie re	
	 Stack Id Type of Stack F Diamet Sampli Purpos Air pol a. Stac Regitiv Observations: Flue G Flue G Volum 	rmal operating dentification 5 Stack/Duct (I leight from gr er of the Stack ng Duration (n e of Monitorin lution Control tus covery of Matte e Emission, if i as Temperatu as Velocity(m/ etric Flow Rat t Air Tempera	CCC/Metal) ound Level (m) .(cm) ninutes) g Measure erial any e, °C, Avg. s), Avg. e (Nm3/hr)	: Metal : 7 : 7.6 : 57	ched to DG	Set-2 (320 kVA)	
		Results: Test Paramete		Test Method		Requirements	Test Result
Sr. No.				IS: 11255 (P-1)		0.2 max.	0.09
1		fatter (PM), g/		1255 (P-7) & IS 13	270	4.0 max.	1.4
2		ogen (NO2, g/l		1255 (P-1) & 18 15	1270	4.0 max.	1.4
			*Hydrocarbon as (CH ₄) g/kw-hr 3 Sulphur Dioxide (SO ₂), mg/Nm ³				10
3	C. Remai	rks: NA - Not	Applicable, Required			Not Specified 02/2021, Sampling F	18 Procedure -
Nancy (Revie Disclain Adda	C. Remai CITRO/QC/SOF MD 44 (1-03-24 Pathania ewed By) mer: 1. Test results a 2 Test report i 3. Sample stor ress : Village Derabi	rks: NA - Not 2026. Date of N 2027 are related only to t in full or parts shall ed after analysis as -Jawaharpur, assi, Distt-SA	Applicable, Required	Artis as a delapa 1 ,*Tested Ogisouro *Tested Ogisouro * uole ability of this tab is lim in publicity purpose. at A Factory,	ced.	02/2021, Sampling F Gauray Goyal Technical Hea (Authorized Sig	Procedure -
Nancy Nancy (Revie Disclain Adda Ema	C. Remai CITROQC/SOF DWD-Wf-03-24 Pathania ewed By) mer: I. Test report 3. Sample stor ress : Village Derabu il : info@4	rks: NA - Not 2026. Date of N 2027 are related only to it in full or parts shall ed after analysis as -Jawaharpur, assi, Distt-SA citrolab.com	Applicable, Received donitoring: 02-12-12-2 	Artis as a delapa 1 ,*Tested Ogisouro *Tested Ogisouro * uole ability of this tab is lim in publicity purpose. at A Factory,	ced.	02/2021, Sampling F Gauray Goyal Technical Hea (Authorized Sig	Procedure -



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ISSUED T	:O:			Report No.		CITRO/QC/020322/017(2)			
		Velfare Organ	nization	Issue date		14.03.2022			
	r, Zirakpur			Reg. No. & Da	te	22-03-06 & 02.03	.2022		
(Punjab) (Construction of the second second			Customer Ref.	241	NA			
	ceipt Date:	02.03.2022	Analysis Start Da	2.2.2.0		s Completion Date	14.03.2022		
Sample IN	NAME OF TAXABLE AND A	Contraction of the second	ample: (Supplied by		1		1		
Name of S			k DG Set (320 kVA)		Per	EPA -1986, PCL	S/02/2021		
Discipline			nical	Group		Atmospheric Pol			
	neral Inform		inca	Group					
o	d. No 2. Stack I 3. Type o 4. Stack I 5. Diame 6. Sampli 7. Purpos 8. Air po a. Str b. Re 9. Fugitis 9. Fugitis 1. Fl 2. Fl 3. Vc 4. Aml	rmal operating dentification of Stack/Duct (1 Fistack/Duct (1 Fistack/Duct (1) et of Monitorin lution Control atus covery of Mat re Emission, if une Gas Tempe ue Gas Velocit	CRCC/Metal) ound Level (m) (cm) g Measure erial any rature, °C, Ayg. y(m/s), Ayg. Rate (Nm3/hr)	: Metal : 7 : 7.6 : 57	ched to DG	Set-2 (320 kVA) nitoring Purpose.			
Sr. No.	B." Ie	Test Paramet	er	Test Method	-	Requirements	Test Resul		
1	Carbon	Ionoxide as (C	O), g/kw-hr	IS: 13270		Max. 3.5	1.3		
Nancy P. (Review	athania ed By) r: 1, Test results	are related only to	14/	ef Test Report		Gaural Goyal Technical Hea (Authorized Sig	and a		

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

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	lab					Liem
		Contraction of the second s	TEST REPOR	T Pag	ge 01 of 01	
			6.5779.3.5778.979		mat No. : CITRO	D/QSF/0716
ISSU	ED TO:		Report No		CITRO/QC/0203	
		way Welfare Organization	Issue date		10.03.2022	
	Vihar, Zirak				TC89532000000	0817F
	jab) (140507		Reg. No. &		22-03-06 & 02.03	8.2022
	JI III) (140001)	,		Ref. & Date	NA	
Samp	ole Receipt D	ate: 02.03.2022 Analysis Sta	art Date: 02.03.2022	Analysis	Completion Date:	10.03.2022
	A. Pa	rticulars of the Sample: (Suppli-				
	of Sample	Noise DG Set-2 (320 kVA) N	Monitoring	Testing as Per	EPA -1986, PCL	
iscip		Chemical		Group	Atmospheric Po	lution
		Information				
		te of Monitoring		03.2022		
		ne of Monitoring		20 hrs		
		rpose of Monitoring			Ionitoring Purpose.	
		urce of Noise Pollution Monitor		Noise Set-2 (32	and encounter of the second	
		ngine Sr. No.		8.810171520007		
	b. Ma			oskar		
		te of mfg. of DG set		1.2015		
		te of Installation	: 201	The Magnetick cites	2	
		pe approval no .		t Provided by Pa		
		llution Control Device (if any)		oustic Enclosure		
		ick Height from Ground level to		Applicable		
		ick Height above roof level, m		t Applicable ound Floor		
		cation of Noise Generating Sour	ice :Gr	Jund Pioor		
		Fop Floor, Ground Floor)				
		Test Been lies				
Sr	B.	. Test Results: Test Parameter	- 1	Test Method	Requirement	Test Results
Sr. No.	B.			Test Method	(EPA -1986,	Test Results
Sr. No.		Test Parameter			(EPA -1986, PCLS/02/2021)	
	1 meter awa	Test Parameter ay from Acoustic Enclosure, Leq dB(.		Test Method PCB Guidelines	(EPA -1986,	Test Results
No.	1 meter awa	Test Parameter			(EPA -1986, PCLS/02/2021)	
No. 1	1 meter awa C. Sup	Test Parameter ay from Acoustic Enclosure, Leq dB(oplementary Information:			(EPA -1986, PCLS/02/2021) Max.75.0	74,6
No. 1 1.	1 meter awa C. Sup	Test Parameter ay from Acoustic Enclosure, Leg dB(pplementary Information: Sampling Procedure	(A) C	PCB Guidelines	(EPA -1986, PCLS/02/2021) Max.75.0	
No. 1	1 meter awa C. Sup Reference to Supporting D Graphs/Table	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Jocuments for the Measurements Tak «Sketches/Photographs as Appropri-	(A) C.	PCB Guidelines d Like: (if any)	(EPA -1986, PCLS/02/2021) Max.75.0 CITRO/ NA	74,6
No. 1 1.	1 meter awa C. Sup Reference to Supporting D Graphs/Table Addition to. 1	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Jocuments for the Measurements Tak es/Sketches/Photographs as Approprin Deviations, or Exclusions from the R.	A) C	PCB Guidelines d Like: (if any) Work Instructions	(EPA -1986, PCLS/02/2021) Max.75.0 CITRO/ NA (if any) NA	74,6 QC/SOP/026
No. 1 1. 2.	1 meter awa C. Sup Reference to Supporting D Graphs/Table Addition to, 1 D. Remarks	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Jocuments for the Measurements Tak es/Sketches/Photographs as Appropris Deviations, or Exclusions from the Re- s: NA- Not Applicable, Requirements as NA- Not Applicable, Requirements as	A) C: ten and Results Derive inter to the Test Report celevant, certral alored 1 provide Activity (%)	PCB Guidelines d Like: (if any) Vork Instructions \$/2021, Sampling	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/ NA (if any) NA Procedure - CITRO/Q	74,6 QC/SOP/026
No. 1 1. 2. 3.	1 meter awa C. Sup Reference to Supporting D Graphs/Table Addition to, I D. Remarke	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Documents for the Measurements Tak es/Sketches/Photographs as Appropri Deviations, or Exclusions from the R. s: NA- Not Applicable, Requirements as Date of Monjuting 02-03-2022	A) C	PCB Guidelines d Like: (if any) Vork Instructions \$/2021, Sampling	(EPA -1986, PCLS/02/2021) Max.75.0 CITRO/ NA (if any) NA	74,6 QC/SOP/026
No. 1 1. 2. 3.	1 meter awa C. Sur Reference to Supporting D Graphs/Table Addition to, 1 D. Remarks	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Documents for the Measurements Tak es/Sketches/Photographs as Appropri Deviations, or Exclusions from the R. s: NA- Not Applicable, Requirements as Date of Monjuting 02-03-2022	A) C: cen and Results Derive inte to the Test Report celevant constants of the s production of Test Report	PCB Guidelines d Like: (if any) Vork Instructions Sv2021, Sampling	(EPA - 1986, PCLS/02/2021) Max.75.0 CTTRO/ NA Procedure - CITRO/Q W Procedure - CITRO/Q	74,6 QC/SOP/026
No. 1 1. 2. 3.	1 meter awa C. Sup Reference to Supporting D Graphs/Table Addition to, 1 D. Remarks	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Documents for the Measurements Tak es/Sketches/Photographs as Appropri Deviations, or Exclusions from the R s: NA- Not Applicable, Requirements as Date of Monitoring: 02-03-2022 3-3022	A) C	PCB Guidelines d Like: (if any) Work Instructions S ^{(2021, Sampling} Gau Tech	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/ NA (if any) NA Procedure - CITRO/Q	74,6 QC/SOP/026
No. 1 1. 2. 3.	1 meter awa C. Sup Reference to Supporting D Graphs/Table Addition to, 1 D. Remarks	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Documents for the Measurements Tak es/Sketches/Photographs as Appropri Deviations, or Exclusions from the R s: NA- Not Applicable, Requirements as Date of Monitoring: 02-03-2022 3-3022	A) C	PCB Guidelines d Like: (if any) Work Instructions S ^{(2021, Sampling} Gau Tech	(EPA - 1986, PCLS/02/2021) Max.75.0 CTTRO/ NA Procedure - CITRO/Q W Procedure - CITRO/Q	74,6 QC/SOP/026
No. 1 1. 2. 3.	1 meter awa C. Sup Reference to Supporting D Graphs/Table Addition to, 1 D. Remarks Support Support Republic Support New Pathadia viewed By)	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Documents for the Measurements Tak es/Sketches/Photographs as Appropri Deviations, or Exclusions from the R s: NA- Not Applicable, Requirements as Date of Monitoring: 02-03-2022 3-3022	A) C	PCB Guidelines d Like: (if any) Work Instructions S ^{(2021, Sampling} Gau Tech	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/ NA (if any) NA Procedure - CITRO/Q	74,6 QC/SOP/026
No. 1 1. 2. 3.	1 meter awa C. Sup Reference to Supporting D Graphs/Table Addition to, 1 D. Remarks Support Support Republic Support New Pathadia viewed By)	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Documents for the Measurements Tak es/Sketches/Photographs as Appropri Deviations, or Exclusions from the R s: NA- Not Applicable, Requirements as Date of Monitoring: 02-03-2022 3-3022	A) C	PCB Guidelines d Like: (if any) Work Instructions S ^{(2021, Sampling} Gau Tech	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/ NA (if any) NA Procedure - CITRO/Q	74,6 QC/SOP/026
No. 1 1. 2. 3.	1 meter awa C. Sup Reference to Supporting D Graphs/Table Addition to, 1 D. Remarks Support Support Republic Support New Pathadia viewed By)	Test Parameter ay from Acoustic Enclosure, Leq dB(oplementary Information: Sampling Procedure Documents for the Measurements Tak es/Sketches/Photographs as Appropri Deviations, or Exclusions from the Re- is NA- NOI Applicable, Requirements as Date of Monitoring: 02-03-2022 3-2022	A) C	PCB Guidelines d Like: (if any) Work Instructions S ^{(2021, Sampling} Gau Tech	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/ NA (if any) NA Procedure - CITRO/Q	74,6 QC/SOP/026
No. 1 2. 3. Nar (Rev Disel	1 meter awa C. Sup Reference to Supporting D Graphs/Table Addition to, 1 D. Remarks Jorth G. W. Ney Pathania viewed By) laime: 1. Ten renop 3. Sample a	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Socuments for the Measurements Tak es/Sketches/Photographs as Appropri- Deviations, or Exclusions from the R s: NA- Not Applicable, Requirements as Date of Monitoring: 02-03-2022 a-2022 Is are related only to the itemisiangle tested, total if or in full or purs shall not be used for procedured appred after analysis as per Quality System Procedure	A) C.	PCB Guidelines d Like: (if any) Work Instructions S ^{(2021, Sampling} Gau Tech	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/ NA (if any) NA Procedure - CITRO/Q	74,6 QC/SOP/026
No. 1 2. 3. Nar (Rev Disel	1 meter awa C. Sup Reference to Supporting D Graphs/Table Addition to, 1 D. Remarks Jorth G. W. Ney Pathania viewed By) laime: 1. Ten renop 3. Sample a	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Documents for the Measurements Tak es/Sketches/Photographs as Appropri Deviations, or Exclusions from the R s: NA- Not Applicable, Requirements as Date of Monitoring: 02-03-2022 3-3022	A) C.	PCB Guidelines d Like: (if any) Work Instructions S ^{(2021, Sampling} Gau Tech	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/ NA (if any) NA Procedure - CITRO/Q	74,6 QC/SOP/026
No. 1 2. 3. Nar (Rev Disel	1 meter awa C. Sup Reference to Supporting D Graphs/Table Addition to, 1 D. Remarks Jorth G. W. Ney Pathania viewed By) laimer: 1. Test result 3. Sample a ddress : Viewer State State State 1. Test result 3. Sample a	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Socuments for the Measurements Tak es/Sketches/Photographs as Appropria Deviations, or Exclusions from the R s: NA- Not Applicable, Requirements as Date of Monitoring: 02-03-2022 3- 2022 the are related only to the itemisiangle testod, total in or in full or purs shall not be aed for proceduread o atored after analysis as per Quality System Procedure illage-Jawaharpur, opposite to In	A) C.	PCB Guidelines d Like: (if any) Work Instructions S ^{(2021, Sampling} Gau Tech	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/ NA (if any) NA Procedure - CITRO/Q	74,6 QC/SOP/026
No. 1 1. 2. 3. Nar Disel	1 meter awa C. Sup Reference to Supporting D Graphs/Table Addition to, 1 D. Remarks Joth G. J. C. Support Rep Pathania viewed By) laimer: 1. Test result 2 Test reps 3. Sample s ddress : Vie	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Socuments for the Measurements Tak exiStectice/Photographs as Approprin Deviations, or Exclusions from the R s: NA- Not Applicable, Requirements as Date of Monitoring: 02-03-2022 3- 30222 the are related only to the itemisiumple tested, and I in or in full or purs shall not be used for promotional o atored after analysis as per Quality System Procedure illage-Jawaharpur, opposite to In Derabassi, Distt-SAS Nagar, Pur	A) C.	PCB Guidelines d Like: (if any) Work Instructions S ^{(2021, Sampling} Gau Tech	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/ NA (if any) NA Procedure - CITRO/Q	74,6 QC/SOP/026
No. 1 1. 2. 3. Nar (Rev Disel	1 meter awa C. Sup Reference to Supporting D Graphs/Table Addition to, 1 D. Remarks J. C. Sup Addition to, 1 D. Remarks J. C. Sup C. Target J. Samples J. Samples ddress : Vi D mail : in	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Documents for the Measurements Tak es/Sketches/Photographs as Appropri- periations, or Exclusions from the R s: NA- Not Applicable, Requirements as Date of Monitoring: 02-03-2022 a-2622 the are related only to the itemsisample tested, total if or in full or purs shall not be used for procedureal of apprediations are procedure and for procedureal of apprediations are procedure in full or purs shall not be used for procedureal of apprediations are provided and the procedure in full or purs shall not be used for procedure in the full or purs shall not be used for procedure in the procedure of the procedure in full or purs shall not be used for procedure in the procedure of the procedure	A) C.	PCB Guidelines d Like: (if any) Work Instructions S ⁽²⁾ 221, Sampling Gau Tech	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/ NA (if any) NA Procedure - CITRO/Q	74,6 QC/SOP/026
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No. 1 1. 2. Nar Nar (Rev Disel Ei C	1 meter awa C. Sup Reference to Supporting D Graphs/Table Addition to, 1 D. Remarks Jorth G. J. Remarks Jorth G. J. P. C. Barner 3. Sample a ddress : Vi mail : in ontact us: +	Test Parameter ay from Acoustic Enclosure, Leq dB(pplementary Information: Sampling Procedure Documents for the Measurements Tak es/Sketches/Photographs as Appropri- periations, or Exclusions from the R s: NA- Not Applicable, Requirements as Date of Monitoring: 02-03-2022 a-2622 the are related only to the itemsisample tested, total if or in full or purs shall not be used for procedureal of apprediations are procedure and for procedureal of apprediations are procedure in full or purs shall not be used for procedureal of apprediations are provided and the procedure in full or purs shall not be used for procedure in the full or purs shall not be used for procedure in the procedure of the procedure in full or purs shall not be used for procedure in the procedure of the procedure	A) C.	PCB Guidelines d Like: (if any) Work Instructions S ⁽²⁾ 221, Sampling Gau Tech	(EPA - 1986, PCLS/02/2021) Max.75.0 CITRO/ NA (if any) NA Procedure - CITRO/Q	74,6 QC/SOP/026



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			TEST RE	PORT	Page 01 (Format	No. : CITH	RO/QSF/0716	
SSUED	TO			Report No. C		CITRO/C	C/020322/019(1)	
	an Railway Wel	fare Orea	nization	Issue date 14.03		14.03.202		
	ar, Zirakpur	nite Orga	in all of the second seco	NABL ULR N	0.	TC89532	0000000818F	
	(140507)			Reg. No. & Da	te	22-03-06	& 02.03.2022	
(runjan	(140307)			Customer Ref.		NA		
Sample	Receipt Date: 02.4	03 2022	Analysis Start	Date: 02.03.2022	Analysi	s Completio	on Date: 14.03.2022	
Sample	and a set of the second second		e Sample: (Suppli	the second se				
Name of		Soil San		Testing as Per		EPA 19	86, PCLS/02/2010	
1			ipie -			NA		
	ame (If any)/	NA		Declared Values	(If any)	NA		
Location		NA		Batch No. & D.O	D M	NA		
Sample	Code No.	NA					D L L D	
Sample	Quantity	1Kg Approx		Mode of Packing			in Polythene Bag	
Disciplin	e	Chemical		Group	Group Pollu		ution Environment	
Seal		NA		IO's Signature		NA		
Any Oth	er Information	Sample	collected by lab re	p. on dated 02.03.202	22, Purpos	e: For Envir	ronment Monitoring	
	B. Suppleme							
1. Ref	erence to Samplin	ng Procedu	rc				CITRO/QC/SOP/02	
2 Sur	norting Documer	nts for the	Measurements Tak	en and Results Derived Like:			NA	
Gra	phs/Tables/Sketc	hes/Photog	raphs as Appropri	ate to the Test Report	(if any)	NA		
		ons, or Exc	lusions from the R	elevant Test Method/	WORK Insu	uctions (ii		
any	C. Test Resu	Its:						
S. No.	Test Param	neters		Test Method			Test Result	
1	pH (1:2.5 S	olution)		IS:2720 (Part-26)			7.89	
2	Electrical Co	onductivity	(mmhos/Cm)	15:14767		0.129		
3	Organic Ma	tter (% by	mass)	IS: 2720 (F			1.73	
4 Moisture (% by mass)		1	Method Manual S	Soil Testing		11.9		
Nancy	D. Remarks:	NA: Not	12	d of Test Repurged Dera Bassi		Gau Teo	10 doyal ray Goyal chnical Head rized Signatory)	

rest report in tun or parts start not or used for prototolist or
 Sample stored after analysis as per Quality System Procedure.

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Email



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ISSUED	TO.				RO/QSF/0716 C/020322/ 019(2)		
	n Railway Wel	Corres Channes	dan tina	Report No. CITRO/Q Issue date 14.03.202			
		lare Organ	itzation	Reg. No. & Date		& 02.03.2022	
	ar, Zirakpur			62		(c, 02.05.40 as	
	(140507)			Customer Ref. & Date	NA		
Sample R	leceipt Date: 02.0		1		is Completi	on Date: 14.03.2022	
				plied by Customer)	-		
Name of	Sample	Soil Sam	ple	Testing as Per	EPA 19	86, PCLS/02/2010	
Brand Na Jocation	ame (If any)/	NA		Declared Values (If any)	NA		
Sample C	Code No.	NA		Batch No. & D.O.M.	NA		
Sample (Quantity	1Kg Ap	prox	Mode of Packing	Packed	in Polythene Bag	
Disciplin	e	Chemical		Group Pollu		ution Environment	
Seal		NA		IO's Signature	NA		
Any Oth	er Information	Sample of Purpose.		rep. on dated 02.03.2022, Purpos	se: For Envir	onment Monitoring	
	B. Supplemen						
	rence to Samplin	ng Procedu	re		CITRO/QC/SOP/025		
Gran	hs/Tables/Sketcl	hes/Photog	raphs as Appro	Taken and Results Derived Like: priate to the Test Report (if any)		NA	
3. Add any)		ns, or Excl	usions from the	Relevant Test Method/Work Inst	ructions (if	NA	
1.000	C. Test Resul	ts:					
S. No.	Test Param	ieters		Test Method		Test Result	
1	Texture			CITRO/QC/STP/010		Sandy Loam	
2	Bulk Density			IS:2720 (Part-3): 1980 R.	A 2016	1.69	
Naty P	D. Remarks:			IS 2720 (Part-3): 1980 R	Gau Tec	Www. av Goyal hnical Head ized Signatory)	

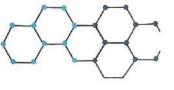
Test report in full or parts shart not be used for productional of p
 Sample stored after analysis as per Quality System Procedure.

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

 Email
 : info@citrolab.com

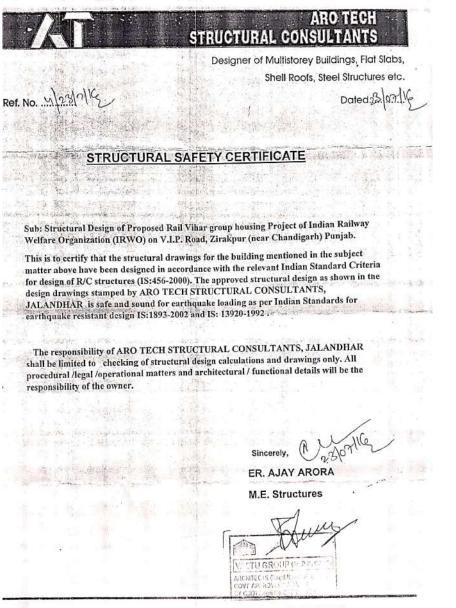
 Contact us: +91-8528969439, +91-9560228522

 Website
 : www.citrolab.com



	FIRES	njab Fire Services (Zirakpur) SAFETY CERTIFICA ਏਰ ਸੇਫਟੀ ਪ੍ਰਮਾਣ ਪੱਤਰ		
NOC No 150	7-74614-Fire/55368	NOC Type: Renew	Dated <u>08-A</u>	ug-2023
equipments of the presence o	Certified that the Rail V en inspected by the fire office National Building Code and f Mr Gurdeep Singh and year from issue date.	verified by officer concern	led with fire preventio ed of fire service on (n and fire safety 05-Aug-2023 in
Issued on 08-A	ug-2023 at Zirakpur			
ਪ੍ਰਭਾਵਾ ਸਸ ਤਾ। ਜਾਰੀ ਕਰਨ ਦੀ ਮਿ This project co	ਸਾਂਦਾ ਹੈ ਕਿ Rail Vinar Ress ਬਾਪਤ ਹੈ, ਜਿਸ ਦੀ ਫਾਇਰ ਅਫਸ ਅ ਦੇ ਰਾਸ਼ਟਰੀ ਬਿਲਡਿੰਗ ਕੋਡ ਪ ਗੋਆ ਮਿਤੀ 05-Aug-2023 ਮੇਂ ਲਈ ਯੋਗ ਪਾਇਆ ਗਿਆ। Occ ਏੱਕ ਸਾਲ ਤੱਕ। ਤੀ <u>08-Aug-2023</u> ਕਿੱਥੇ Zirakp mprise of 5 towers/blocks v 35 ਟਾਵਰ/ਬਲਾਕ ਹੇਠ ਲਿਖੇ ਅਟੁ	our . with number of floors as giv		ਾਦੂ ਅਧਿਕਾਰੀ ਵੱਲੋਂ ਉਸ ਦਾ ਪ੍ਰਤੀਨਿਧੀ ੀ. ਦੇ ਅਨੁਸਾਰ) ਦੇ
	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	
ਐਨ.ਓ.ਸੀ ਹੇਠ ਨਿ 1. Fire S ਹਰ ਸ: 2. Occup provid ਉਪਲੱਬ ਬਣਾਇ 3. Fire withdr ਫਾਇਰ	ਸ਼ਹੇਰੁੱਟ to following condition ਲੁਖੀਆਂ ਸ਼ਰਤਾਂ ਦੇ ਆਧਾਰ ਤੇ ਜਾਰੀ ਗੁੰਦੀਪੁ arangements shall b ਜੇ ਅੱਗ ਤੋਂ ਬਚਾਅ ਦੇ ਧੰਤਰਾਂ ਨੂੰ ਚਾਮ ants/ owner should have ed there in. ਧ ਅੱਗ ਬੁਝਾਉਣ ਦੇ ਧੰਤਰਾਂ ਦੀ ਵ ਆ ਜਾਵੇ। Officer can check the arra awn without any notice if a ਬ੍ਰਿਗੁੇਡੁ ਅਧਿਕਾਰੀ ਕਿਸੇ ਵੀ ਵਕਤ	। ਕੀਤਾ ਜਾਂਦਾ ਹੈ। e kept in working conditio ਲੂ /ਚੰਗੀ ਹਾਲਤ ਵਿੱਚ ਰੱਖਿਆ ਜ trained staff to operate ! ਹਤੋਂ ਤੋਂ ਰਹਿਣ ਵਾਲੇ ਲੋਕਾਂ / ਮਾਲ ingements of fire safety ! any deficiency is found. ਇਨ੍ਹਾਂ ਸਾਰੇ ਪ੍ਰਬੰਧਾਂ ਨੂੰ ਚੈੱਕ ਕਰ J	ਾਵੇ। the operation of fire ਹਕਾਂ ਨੂੰ ਜਾਣੂ ਕਰਵਾਇਆ at any time, this cer	ਜਾਣਾ ਯਕੀਨੀ rtificate will be
ਬਿਨ੍ਹਾਂ ਕਿ	ਸੰ ਨੋਟਿਸ ਦੇ ਇਹ ਸਰਟੀਫਿਕੇਟ ਰੱ	ਦ ਸੱਮਝਿਆ ਜਾਵੇਗਾ।		
expiry	pants/ owner should app of this certificate. ਜਾਰੀ ਕੀਤੇ ਗਏ ਫਾਇਰ ਸੇਫਟੀ ਸ			
ਲਈ ਪਾ	ਬੰਦ ਹੋਵੇਗਾ।		שונא אטוסי אוטמי ט	uniā doeiāc
	etails cannot be used as o			
ਉਪਰੋਕਤ ਦ	ਰਸਾਈ ਗਈ ਜਾਣਕਾਰੀ ਨੂੰ ਮਾਲਕ	ਾਨਾ ਦੇ ਸਬੂਤ ਵਜੋਂ ਨਹੀਂ ਵਰਤਿਅ	ਾ ਜਾਵੇਗਾ।	
• This is d	igitaly created cerificate, n	o signatue are needed		
ਇਹ ਡਿਜੀਟ	ਲੀ (ਕੰਪਿਊਟਰਾਈਜ਼ਡ) ਤਿਆਰ ਕੰ	ੀਤਾ 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, CHANDIGARH – 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:	A's Indian Railway Welfare Org. (IRWO), 'Rail Vihar' Group fousing Project, Village Bishanpura, at VIP Road Zirakpur, Sub PIN Code: 140 'ehsil Zirakpur, District SAS Nagar					
Assessment Unit (Block):	Derabassi		Catego	ry: 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			
m ³ /day	m ³ /month*	m ³ /day		m ³ /month*		

245 7,350

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

Fees and Charges Paid:

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

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	ns		2,35,800/-
Yellow		<10 m ³ /day		10-100 m ³ /day		>100 m ³ /c	jay	
		3,60	3,600		75,600 1,50		0	1
C. Tube-well Reg	istration Fee	paid:			2			
No. of existing tube-wells	No. of existing No. of Proposed				vells applicable per tube-well		Total Registration Fo I Paid (Rs.) 20,000/-	
02								
D. Total Amount	Paid (Rs.):							
		ce Deposit Tube-		Tube-v	-well Registration Fee		Total(Rs.)	
20,000/-		5,800/-			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: 29th July, 2022 Place: CHANDIGARH



