DCM SHRIRAM

Ref. No. :SFC/EPC/2.3/335 Date : **29th December 2021**

Deputy Director General of Forests (S),
Ministry of Environment, Forest and Climate Change,
Regional Office,
Aranya Bhawan, MG Road, Jhalana Institutional Area
JAIPUR- 302 004.

Kind Attn. : **Shri Mahesh Dutt Purohit, Deputy Director (S)/Scientist 'C', MoEF**

Dear Sir,

Sub.: **Half Yearly Environment Clearance Compliance Report-Period-Apr-2021 to Sep-2021 for Capacity Enhancement of PVC Plant (PVC Resin from 200 TPD to 250 TPD) and Calcium carbide Plant (Acetylene from 90 TPD To 110 TPD) Through Modernization within existing Project Premises at DCM Shriram Complex Kota, Shriram Nagar,Tehsil-Ladpura, Distt.-Kota Raj. by M/s Shriram Vinyl & Chemical Industries (A Unit of DCM Shriram Ltd.)**

Ref. : Environment Clearance No Fl (4)/SE1AA/SEAC-Raj/Sectt/Project /Cat.5(e) B1 (15054)/ 2019-20 dated 02/08/2019

Please find enclosed herewith half yearly environment clearance compliance report under the requirement of clause No. 10 (i) of EIA Notification No. 1533 dated 14th September 2006 against above referred environment clearance for above mentioned project.

Hope, you will find the same in order.

Thanking You,

Yours faithfully,

(DD Chaturvedi)
General Manager (E&S)

C.C. : The Member Secretary,
State Level Environment Impact Assessment Authority,
Room No.-5221, Main Building, Government Secretariat, Jaipur-302005

The Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan, CBD-cum-Office Complex,
East Arjun Nagar, Delhi-110 032 India

The Member Secretary,
Rajasthan State Pollution Control Board,
4, Institutional Area Jhalana Doongri, JAIPUR.

In-charge, Central Pollution Control Board,
Zonal Office (Central),
Vithal Market, Paryavaran Parisar, E-5, Arera Colony, BHOPAL-462 016.

The Regional Officer, Rajasthan State Pollution Control Board,
Plot No. : SPL.-2A, Paryavaran Marg, Road No.-6, Indraprastha Industrial Area, Kota

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment, Forest & Climate Change
Regional Office (Central Zone), Lucknow
Monitoring Report
Part-I
DATA SHEET

S.No.	Particulars	**Details**
1.	Project type Rover valley/mining /industry/Thermal/Nuclear/Other	Industry
2.	Name of the project	Capacity Enhancement of PVC Plant (PVC Resin from 200 TPD to 250 TPD) and Calcium carbide Plant (Acetylene from 90 TPD To 110 TPD) Through Modernization within existing Project Premises at DCM Shriram Complex Kota, Shriram Nagar,Tehsil-Ladpura, Distt.-Kota Raj. by M/s Shriram Vinyl & Chemical Industries (A Unit of DCM Shriram Ltd.) Cat.-B1 5(e)
3.	Clearnace letter(s) / OM No. and date	Environmental Clearance No. Fl(4)/SEIAA/SEAC-Raj/Sectt/Project/Cat.5(e) B1 (15054)/2019-20 dated 2nd August 2019
4.	Location a. District b. State c. Latitude d. Longtitude	 a. Kota b. Rajasthan c. 25o8'15.56" N to 25o8'25.39" N d. 75o53'4.76" E to 75o53'14.29" E
5.	Address for correspondence a) Address of concerned Project Chief Engineer (with pin code & telephone / Telex/Fax Numbers) & Address of Executive Project Engineer/ Manager (with pin code/fax numbers)	SU Puranik Additional Vice President (PVC) Shriram Vinyl & Chemical Industries (A Unit of DCM Shriram Ltd.) Shriram Nagar, Kota-324 004 Rajasthan Tel.:-+91-744-2480901-904, 2480011-17 (Ext.-2414) Fax:-+91-744-2480296
6.	Salient features a. Of the project b. Of the Environmental Management Plan	Provided in EIA/EMP
7.	Breakup of the Project area a. Submergence Area/Forest & Non Forest b. Others	Not applicable

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	a. Total Plot Area b. Built – up area (including road) c. C. Open space available d. Green belt area	Plot area of the project consists of 791 Acre – Kota Complex (~ 20 Acre for Chlor Alkali). No additional land is required for proposed expansion. Main Plant Area is about 32 Acre About 33.1% areas under the greenbelt cover.
8.	Breakup of the project affected population with enumeration of those losing houses/dwelling units only agricultural land only, both dwelling units & both dwelling units & agricultural land & landless laborers/artisan a. SC, ST/Adivasis b. B. others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures if a survey carried out gives details and years of survey).	Not Applicable
9.	Financial Details a. Project costs as originally planned & subsequent revised estimates and the year of price reference. b. Allocations made for Environmental Management Plan with item wise & year wise break up. c. Benefit cost ratio/ internal rate of return and the year of assessment. d. Whether © includes the cost of Environmental Management as shown in the above. e. Actual expenditure incurred on the Project so far. f. Actual expenditure incurred on the Environmental management so far.	 3230.00 Lac 56.0 Lac - Yes As above **61.06 Lac**
10.	Forest land requirement a. The status of approval for	Not applicable

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	diversion of Forestland for non-forestry use b. The status of clearing felling c. The status of compensatory Afforestation programme in the light of actual field experience.	
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information.	Not Applicable
12.	Status of construction a. Date of commencement (actual and/or planned) b. Date of completion (actual and /or planned)	 02.09.2019 29.12.20219
13.	Reasons for the delay if the project is yet to start	Not Applicable
14.	Dates of site visits a. The dates on which he project was monitored by Regional Office on previous occasions, if any. b. Date of site visit for this monitoring report.	-

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DCM Shriram Ltd. : Kota
(Shriram Vinyl & Chemical Industries : Kota

Environment Clearance No. Fl (4)/SE1AA/SEAC-Raj/Sectt/Project /Cat.5(e) B1 (15054)/ 2019-20 dated 02/08/2019-Compliance Status

Period: Apr.-2021 to Sept.-2021

Capacity Enhancement of PVC Plant (PVC Resin from 200 TPD to 250 TPD) and Calcium carbide Plant (Acetylene from 90 TPD To 110 TPD) Through Modernization within existing Project Premises at DCM Shriram Complex Kota, Shriram Nagar,Tehsil-Ladpura, Distt.-Kota Raj. by M/s Shriram Vinyl & Chemical Industries (A Unit of DCM Shriram Ltd.)

S. No.	Condition	Status
I Specific Condition		
Statutory compliance :		
1.	The project proponent shall obtain clearance from the National Board for Wildlife.	Noted Wildlife clearance granted vide letter No. F()WLC/CWLW/2019/8567 dated 3rd December 2020 for all the units of DCM Shriram Kota Complex at Shriram Nagar Industrial Area, Kota Rajasthan. **Copy of clearance enclosed.**
2.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-1 species in the study area)	Noted Site-specific conservation plan & wildlife management plan was prepared in consultation with Dy. Conservator of Forests & Wildlife and same was forwarded to NBWL by state standing committee of wildlife for grant of NBWL clearance. Based on Site-specific conservation plan & wildlife management plan, the standing committee of NBWL has already recommended our project for NBWL clearance on 25th February 2019. Final Wildlife clearance granted vide letter No. F()WLC/CWLW/2019/8567 dated 3rd December 2020 for all the units of DCM Shriram Kota Complex at Shriram Nagar Industrial Area, Kota Rajasthan
3.	The project proponent shall obtain Consent to Establish / Operate under the provision of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/Committee.	Consent to Establish have been obtained on 17th January & 22nd January 2020. Consent to Operates have been obtained on 24th December 2020.
4.	The project proponent shall obtain the necessary permission from the Central	Noted No increase of fresh water consumption in

S. No.	Condition	Status
	Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.	the expansion project. and also no withdrawal of ground water .
5.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Noted Proposed expansion is planned within the exiting complex and already having HW authorization with a validity upto 30.11.2021. Application for renewal has been submitted on 20th July 2021, which is under processing at HO, RSPCB
6.	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage, and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	Noted Being complied with.
Air quality monitoring and preservation:		
1.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	No process stacks are established in the expansion project, hence, provision of CEMS is not applicable in this expansion project. Only cyclone/vent scrubber vents are provided for further control of fugitive emissions in drying & packing section.
2.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	Noted
3.	The project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM_{10} and $PM_{2.5}$ in reference to PM emission, and SO_2 and NOx in reference to SO_2 and NOx emissions etc.) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous	No process & flue gas stacks emissions involved in the expansion project and no fuel burning involved in the expansion project i.e no impact on ambient air quality is envisaged due to expansion project, which was also reflected in the EIA/EMP study. However, 4 Nos. of ambient air quality monitoring stations have been provided, in consultation with RSPCB. In addition to above, quarterly ambient air quality monitoring being carried out by MoEF&CC/NABL approved laboratory.
4.	The project proponent shall submit monthly summary report of continuous stack and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional	No process & flue gas stacks emissions involved in the expansion project and no fuel burning involved in the expansion project, i.e no impact on ambient air quality is envisaged due to expansion, which was also reflected in

S. No.	Condition	Status
	Office of MoEF & CC, Zonal office of CPCB and Regional Office of SPCB along with six monthly monitoring report	the EIA/EMP study. However, 4 Nos. of ambient air quality monitoring stations have been provided, in consultation with RSPCB. Monitoring reports are **enclosed.**
5.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including Fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Noted Complied with
6.	Storage of raw materials etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Noted Complied with
Water quality monitoring and preservation:		
1..	The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD).	Expansion has been carried out within the exiting complex; hence online continuous effluent monitoring system is already in place at final outlet of the complex.
2..	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	No storage & disposal of chemicals/wastes on land is involved in the expansion project. However, pre-post monsoon ground water sampling is carried out through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
3.	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF & CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Noted Monitoring reports are **enclosed.**
4.	The quantity of effluent shall not exceed from existing quantity and the effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act. Whichever is more stringent.	Noted & being complied with.
5.	Total fresh water requirement shall not exceed from existing due to proposed expansion and same shall be met from Right Main Canal of Chambal River. No ground water shall be abstracted without obtaining prior permission from the concerned	Noted & being complied with.

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	regulatory authority/ CG WA in this regard.	
6.	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate Conveyance system	Noted
7.	The project proponent shall practice rainwater harvesting to maximum possible extent.	An adequate rain water harvesting pond is provided within the estate boundary of the Company. Having rain water capturing capacity about 4.5 lac cubic meter.
8.	The project proponent shall make efforts to minimize water consumption in the complex by segregation of' used water, practicing cascade use and by recycling treated water.	This is an integral part of company focus area and regular efforts are being practiced to minimize water consumption in the complex by process optimization, recycling/reuse of water, practicing cascade use.
Noise monitoring and prevention:		
1.	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	No DG set is proposed, hence not applicable.
2.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.	Noted & being complied with.
3.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Noted & being complied with. Monitoring reports are **enclosed**.
Energy Conservation measures:		
1.	The energy sources for lighting purposes shall preferably be LED based.	All new and/or replacement of old lights are being done with LED based lights
Waste management:		
1.	Hazardous chemicals shall be stored in tanks, tank farms, drums. carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	Noted & being complied with.
2.	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Noted The wastes generated are sent to authorized recyclers for resource recovery.
3.	The company shall undertake waste minimization measures as below:- a. Metering and control of quantities of active ingredients to minimize waste. b. Reuse of by-products from the process as raw materials or as raw material Substitutes in other processes. c. Use of automated filling to minimize	Noted

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	spillage. d. Use of Close Feed system into batch reactors. e. Venting equipment through vapor recovery system. f. Use of high pressure hoses for equipment clearing to reduce wastewater generation	
Green Belt:		
1	The green belt of 5-10 m width shall be developed in more than 33% of the total project area. Mainly along the plant periphery. in downward wind direction and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department	All expansions are proposed within the complex of DCM Shriram Kota, covering green cover of about 33.1% of total area of the complex.
Human health issues:		
1.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Noted & being complied with.
2.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	Noted & being complied with.
3.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Noted & being complied with.
4.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Noted & being complied with.
5.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	The expansion has been carried out within the existing complex; hence all facilities are already in place.
6.	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products. and no parking to be allowed outside on public places.	Noted & being complied with.

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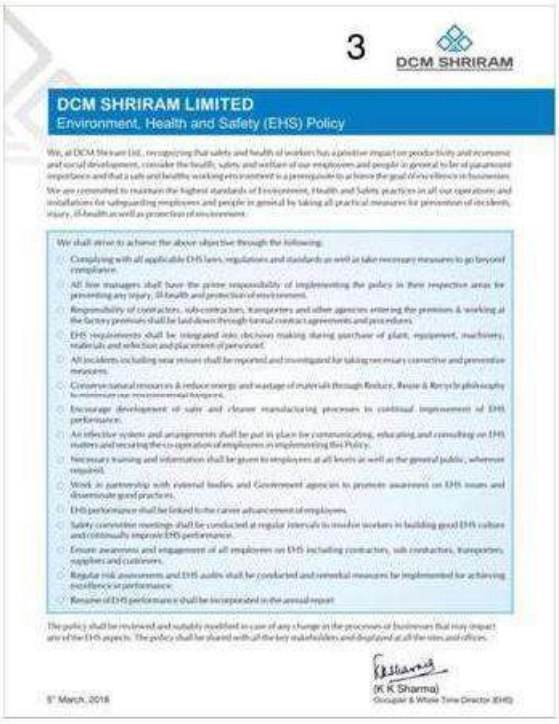
7.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Noted & being complied with.
Corporate Environment Responsibility:		
1.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA. 111 dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.	Noted & being complied with. The total invest made in last three years under CSR are as under : 2018-19 :- INR 273.11 Lac 2019-20:- INR 798.00 Lac 2020-21 :- INR 157.5 Lac
2.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting, infringements /deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six-monthly report.	A well laid down Environment, Health and Safety (EHS) policy dated 5th March 2018 signed by Occupier and Whole Time Director (EHS) is in place.  3 DCM SHRIRAM DCM SHRIRAM LIMITED Environment, Health and Safety (EHS) Policy (K K Sharma)
3.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Noted & compiled with.
4.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose.	Noted & compiled with.
5.	Self environmental audit shall be conducted	All the facilities at DCM Shriram Kota

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	annually. Every three years third party environmental audit shall be carried out.	complex is certified under ISO-14001: 2015 (Environment Management System), hence, regular internal audit (self) & surveillance audit (through third party) are being carried out.
6.	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to MoEF&CC, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by email to the Regional Office, MoEF&CC.	Noted & compiled with.
7.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Iron and Steel plants shall be implemented	The existing plant & proposed expansion are not the Iron and Steel plants; hence recommendations of CREP for Iron and Steel plants are not applicable.
Miscellaneous:		
1.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Noted & complied with. Published in two local newspapers of the District. जन-सूचना सर्व साधारण को सूचित किया जाता है कि मै. श्रीराम विनायल एंड केमिकल इंडस्ट्रीज (ए यूनिट ऑफ डीसीएम श्रीराम लिमिटेड) को उनके डीसीएम श्रीराम कॉम्प्लेक्स कोटा, श्रीराम नगर, तहसील- लाडपुरा जिला कोटा, राजस्थान के मौजूदा परिसर में स्थित पीवीसी और कैल्शियम कार्बाइड प्लांट का आधुनिकरण से विस्तार (पीवीसी रेजिन 200 TPD से 250 TPD और प्लैस्टिसीन 90 TPD से 110 TPD) के लिए राज्य स्तरीय पर्यावरण प्रभाव आकलन प्राधिकरण, राजस्थान के पत्र क्रमांक F(1) 4/SEIAA/SEAC-Raj/Sect/Project/Cat.5(e)B1 (15054)/2019-20 दिनांक 2 अगस्त 2019 के द्वारा पर्यावरण स्वीकृति प्रदान की गयी है जिसकी विशिष्ट शर्तों के विविध क्रमांक (1) और सामान्य शर्त क्रमांक (8) की अनुपालना में यह जन-सूचना प्रकाशित की जा रही है। उक्त पर्यावरण स्वीकृति की प्रति राजस्थान राज्य प्रदूषण नियंत्रण मंडल में है तथा राजस्थान राज्य प्रदूषण नियंत्रण मंडल की वेबसाइट www.environment.rajasthan.gov.in पर भी देखी जा सकती है। परियोजना प्रस्तावक मै. श्रीराम विनायल एंड केमिकल इंडस्ट्रीज डीसीएम श्रीराम कॉम्प्लेक्स, कोटा श्रीराम नगर, तहसील-लाडपुरा जिला कोटा जन सूचना सर्व साधारण को सूचित किया जाता है कि मै श्रीराम विनायल एंड केमिकल इंडस्ट्रीज (ए यूनिट ऑफ डीसीएम श्रीराम लिमिटेड) को उनके डीसीएम श्रीराम काम्प्लेक्स कोटा, श्रीराम नगर तहसील-लाडपुरा जिला कोटा राजस्थान के मौजूदा परिसर में स्थित पीवीसी और कैल्शियम कार्बाइड प्लांट का आधुनिकरण से विस्तार (पीवीसी रेजिन 200 TPD से 250 TPD और प्लैस्टिसीन 90 TPD से 110 TPD) के लिए राज्य स्तरीय पर्यावरण प्रभाव आकलन प्राधिकरण, राजस्थान के पत्र क्रमांक F (1) 4/SEIAA/SEAC-RAJ/Sect/Project/Cat.5(e) B1 (15054)/2019-20 दिनांक 2 अगस्त 2019 के द्वारा पर्यावरण स्वीकृति प्रदान की गयी है। जिसकी विशिष्ट शर्तों के विविध क्रमांक (1) और सामान्य शर्त क्रमांक (8) की अनुपालना में यह जन-सूचना प्रकाशित की जा रही है। उक्त पर्यावरण स्वीकृति की प्रति राजस्थान राज्य प्रदूषण मंडल में है तथा राजस्थान राज्य प्रदूषण नियंत्रण मंडल की वेबसाइट www.environment.rajasthan.gov.in पर भी देखी जा सकती है। परियोजना प्रस्तावक मै. श्रीराम विनायल एंड केमिकल इंडस्ट्रीज डीसीएम श्रीराम काम्प्लेक्स कोटा श्रीराम नगर तहसील लाडपुरा जिला कोटा
2.	The copies of the environmental clearance	The copy of the environment clearance has

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	shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	been sent to all concerned authority on 19th August 2019 for display.
3.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Noted & shall be complied with on execution of the project.
4.	The project proponent shall monitor the criteria pollutants level namely: PM $_{10}$, SO_2, NOx (ambient levels as well as stack emissions), or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Noted, However, there is no process & flue gas stacks are established in expansion project (i.e. no burning of the fuel in the expansion project). Hence, no emissions of pollutants PM_{10}, SO_2, NOx are envisaged i.e no impact on ambient air quality due the expansion project. However, ambient air monitoring for the general parameters PM_{10}, SO_2, NOx are already being carried out at periphery of DCM Shriram Kota complex at 4 locations, in consultation with RSPCB.
5.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Noted
6.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Noted
7.	The project proponent shall inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	The expansion project is established within the existing premises; hence, no land development work is required. The expansion is established within the plant which is already in operation. The production from expanded has been commenced from 29.12.2019.
8.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted, being complied with.
9.	The project proponent shall abide by all the	Noted, being complied with.

S. No.	Condition	Status
	commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	
10.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted, shall be complied with.
11.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
12.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
13.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
14.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted, being complied with.
15.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act. 1974, the Air (Prevention Control of Pollution) Act, 198, the Environment (Protection) Act. 1986, Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act. 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Noted
16.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

S. No.	Condition	Status
GENERAL CONDITIONS		
Statutory Compliance		
1.	That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry / unit / project proponent. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act. 2010.	Noted
2.	No further expansion or modifications in the project shall be carried out without prior approval of the SEIAA/Ministry of Environment and Forests as the case may be. In case of deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the Authority to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted and being complied with.
3.	The implementation of the project vis-à-vis environmental action plans shall be monitored by .MoEF Regional Office at Lucknow / RSPCB / CPCB / SEIAA. Department of Environment. Government of Rajasthan, Jaipur and this office. A six monthly compliance status report shall be submitted to monitoring agencies.	Noted
4.	The EC is liable to be rejected, in case it is found that the PP has deliberately concealed and furnished false and misleading information or data which is material to screening or scoping or appraisal or decision on the application for EC.	Noted
5.	The project authorities shall inform the MoEF Regional Office at Lucknow / RSPCB / CPCB / SEIAA, Department of	The expansion is established within the plant which is already in operation. The production from expanded has been commenced from

S. No.	Condition	Status
	Environment, Government of Rajasthan, Jaipur and the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	29.12.2019.
6.	Officials from the Department of Environment, Government of Rajasthan, Jaipur/ Regional Office of MoEF, Lucknow, RSPCB 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 SEIAA should be forwarded to the CCF, Regional Office of MoEF, Lucknow / SEIAA, Department of Environment, Government of Rajasthan, Jaipur / RSPCB.	Noted, being complied with.
7.	The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provision of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted, shall be complied with.
Air Quality Monitoring & Preservation		
12.	Main haulage road should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. The material transfer points should invariably be provided with Bag filters and or dry fogging system. In case of Belt- conveyors facilities the system should be fully covered to avoid air borne dust; Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured.	Expansion has been carried out within the existing premises; hence all arrangements are already in place.
13.	Periodic monitoring of ambient air quality shall be carried out for PM10. PM2.5. SPM, SO2 and NOx monitoring. Location of the stations (minimum 6) shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring shall be decided in consultation with the Rajasthan State pollution Control Board (RPCB). Six monthly reports of the data so collected shall be regularly submitted to the	AAQM stations are already provided in consultation with RPCB. Regular monitoring is being carried out for the PM_{10}. $PM_{2.5}$, SO2 and NOx and quarterly reports are being sent to RSPCB as per the CTO conditions. However, reports of ambient air quality monitoring are enclosed.

S. No.	Condition	Status
	RPCB/CPCB including the MoEF, Regional office, Lucknow.	
Human Health Issues		
14.	Personnel working in dusty areas shall wear protective respiratory devices they shall also be provided with adequate training and information on safety and health aspects.	Noted and being complied with.
Noise Monitoring & Prevention		
15.	The ambient noise level should conform to the standards prescribed under E(P) A Rules, 1986 viz 75 dB (A) during day time and 70 dB (A) during night times.	Noted and being complied with.
Miscellaneous		
8.	The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental Clearance and copies of clearance letters are available with the Rajasthan State Pollution Control Board and may also be seen on the website of the RSPCB. The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of MoEF at Lucknow /Department of Ecology and Environment, Government of Rajasthan, Jaipur	Complied with. Published in two local newspapers of the District. जन-सूचना सर्व साधारण को सूचित किया जाता है कि मै. श्रीराम विनायल एंड केमिकल इंडस्ट्रीज (ए यूनिट ऑफ डीसीएम श्रीराम लिमिटेड) को उनके डीसीएम श्रीराम कॉम्प्लेक्स कोटा, श्रीराम नगर, तहसील- लाडपुरा जिला कोटा, राजस्थान के मौजूदा परिसर में स्थित पीवीसी और कैल्शियम कार्बाइड प्लांट का आधुनिकरण से विस्तार (पीवीसी रेडिन 200 TPD से 250 TPD और एमिटिलीन 90 TPD से 110 TPD) के लिए राज्य स्तरीय पर्यावरण प्रभाव आकलन प्राधिकरण, राजस्थान के पत्र क्रमांक F(1) 4/SEIAA/SEAC-Raj/ Sectt/Project/Cat.5(e)B1 (15054)/2019-20 दिनांक 2 अगस्त 2019 के द्वारा पर्यावरण स्वीकृति प्रदान की गयी है जिसकी विशिष्ट शर्तों के विविध क्रमांक (1) और सामान्य शर्त क्रमांक (8) की अनुपालना में यह जन-सूचना प्रकाशित की जा रही है। उक्त पर्यावरण स्वीकृति की प्रति राजस्थान राज्य प्रदूषण नियंत्रण मंडल में है तथा राजस्थान राज्य प्रदूषण नियंत्रण मंडल की वेबसाइट www.environment.rajasthan.gov.in पर भी देखी जा सकती है। परियोजना प्रस्तावक मै. श्रीराम विनायल एंड केमिकल इंडस्ट्रीज डीसीएम श्रीराम कॉम्प्लेक्स, कोटा श्रीराम नगर, तहसील-लाडपुरा जिला कोटा जन सूचना सर्व साधारण को सूचित किया जाता है कि मै श्रीराम विनायल एंड केमिकल इंडस्ट्रीज (ए यूनिट ऑफ डीसीएम श्रीराम लिमिटेड) को उनके डीसीएम श्रीराम काम्प्लेक्स कोटा, श्रीराम नगर तहसील-लाडपुरा जिला कोटा राजस्थान के मौजूदा परिसर में स्थित पीवीसी और कैल्शियम कार्बाइड प्लांट का आधुनिकरण से विस्तार (पीवीसी रेजिन 200 TPD से 250 TPD और एमिटिलीन 90 TPD से 110 TPD) के लिए राज्य स्तरीय पर्यावरण प्रभाव आकलन प्राधिकरण, राजस्थान के पत्र क्रमांक F (1) 4/SEIAA/SEAC-RAJ/Sectt/Project/ Cat.5(e) B1 (15054)/2019-20 दिनांक 2 अगस्त 2019 के द्वारा पर्यावरण स्वीकृति प्रदान की गयी है। जिसकी विशिष्ट शर्तों के विविध क्रमांक (1) और सामान्य शर्त क्रमांक (8) की अनुपालना में यह जन-सूचना प्रकाशित की जा रही है। उक्त पर्यावरण स्वीकृति की प्रति राजस्थान राज्य प्रदूषण मंडल में है तथा राजस्थान राज्य प्रदूषण नियंत्रण मंडल की वेबसाइट www.environment.rajasthan.gov.in पर भी देखी जा सकती है। परियोजना प्रस्तावक मै. श्रीराम विनायल एंड केमिकल इंडस्ट्रीज डीसीएम श्रीराम काम्प्लेक्स कोटा श्रीराम नगर तहसील लाडपुरा जिला कोटा
9.	The above condition shall be enforced among others under the provisions of water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986. the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006, along with their amendments and rules.	Noted

S. No.	Condition	Status
10.	The PP shall obtain prior clearance form forestry and wild Life angle including clearance from standing committee of National Board of Wild Life (if applicable). It is further categorically stated that grant of EC does not necessary imply that Forestry and Wild Life clearance shall be granted to the project and that proposals for forestry and wild Life clearance will be considered by the respective authorities on their merits and decision taken. The investment made in the project, if any based on EC so granted, in anticipation of clearance form Forestry and Wild Life angle shall be entirely at the cost risk of the PP and MOEF/SEIAA shall not be responsible in this regard in any manner.	Noted Wildlife clearance granted vide letter No. F()WLC/CWLW/2019/8567 dated 3rd December 2020 for all the units of DCM Shriram Kota Complex at Shriram Nagar Industrial Area, Kota Rajasthan
11.	The SEIAA, Rajasthan may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
16.	The PP shall submit an environmental statement for the financial year ending 31st March in Form-V as prescribed under the environment (Protection) Rules, 1986, as amended subsequently on or before the 30th day of September every year, to the Rajasthan State Pollution Control Board/SEIAA and shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Lucknow Regional offices of MoEF/SEIAA by e-mail as well as hard copy duly signed by competent person of company.	Noted and complied with. Form-V submitted for FY 2020-21 on 15th September 2021.

Vardan EnviroLab

TC-6652

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

Test Report

Sample Number : VEL/S/010
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/S/2107030010/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : Stack Emission Monitoring

General Information

Sampling Location	:	20/12 MVA Furnace Stack (Carbide Plant)
Sample Collected by	:	VEL Team
Date of Sampling	:	29/06/2021
Sampling duration (Minutes)	:	22 Min. (16.00 to 16.22 Hrs.)
Stack attached to	:	Furnace
Make of stack	:	Iron
Diameter of stack(m)	:	3.3 m
Height of stack(m)	:	36 m
Instrument calibration status	:	Calibrated
Meteorological Condition	:	Clear Sky
Ambient Temperature - Ta (°C)	:	39
Temperature of Stack Gases - Ts (°C)	:	147
Velocity of Stack Gases (m/sec.)	:	15.17
Flow rate of PM (LPM)	:	46
Flow rate of Gas (LPM)	:	--
Sampling condition	:	Ok
Protocol used	:	IS 11255 & EPA

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (as PM)	IS: 11255 (Part1) : 1985,RA 2014	50.32	mg/Nm3	150.0

End of Report

DINESH BALSANIYA
(Checked By)
DY. TECHNICAL MANAGER

RAJ KUMAR YADAV
(Authorized Signatory)
G M LAB OPERATION

www.vardan.co.in

Note: Terms & conditions refer on backside of test report.

Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

TC-6652

Test Report

Sample Number : VEL/S/011
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/S/2107030011/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : Stack Emission Monitoring

General Information

Sampling Location	:	30 MVA Furnace Stack (Carbide Plant)
Sample Collected by	:	VEL Team
Date of Sampling	:	29/06/2021
Sampling duration (Minutes)	:	25 Min. (12.40 to 13.05 Hrs.)
Stack attached to	:	Bag House
Make of stack	:	Iron
Diameter of stack(m)	:	3.0 m
Height of stack(m)	:	32 m
Instrument calibration status	:	Calibrated
Meteorological Condition	:	Clear Sky
Ambient Temperature - Ta (°C)	:	39
Temperature of Stack Gases - Ts (°C)	:	141
Velocity of Stack Gases (m/sec.)	:	13.04
Flow rate of PM (LPM)	:	41
Flow rate of Gas (LPM)	:	--
Sampling condition	:	Ok
Protocol used	:	IS 11255 & EPA

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (as PM)	IS: 11255 (Part1) : 1985,RA 2014	44.64	mg/Nm3	150.0

End of Report

DINESH PALSANIYA
(Checked By)
DY. GENERAL MANAGER

RAJ KUMAR YADAV
(Authorized Signatory)
G M LAB OPERATION

www.vardan.co.in
Note: Terms & conditions refer on backside of test report.

Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

TC-6652

Test Report

Sample Number : VEL/S/012
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/S/2107030012/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : Stack Emission Monitoring

General Information

Sampling Location	:	20/12 MVA Tap Hole
Sample Collected by	:	VEL Team
Date of Sampling	:	29/06/2021
Sampling duration (Minutes)	:	21 Min. (16.30 to 16.51 Hrs.)
Stack attached to	:	Bag House
Make of stack	:	Iron
Diameter of stack(m)	:	0.85 m
Height of stack(m)	:	32 m
Instrument calibration status	:	Calibrated
Meteorological Condition	:	Clear Sky
Ambient Temperature - Ta (°C)	:	39
Temperature of Stack Gases - Ts (°C)	:	80
Velocity of Stack Gases (m/sec.)	:	13.40
Flow rate of PM (LPM)	:	49
Flow rate of Gas (LPM)	:	--
Sampling condition	:	Ok
Protocol used	:	IS 11255 & EPA

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (as PM)	IS: 11255 (Part1) : 1985,RA 2014	48.07	mg/Nm3	150.0

End of Report

DINESH PALSANIYA
(Checked By)
DY. TECHNICAL MANAGER

RAJ KUMAR YADAV
(Authorized Signatory)
G.M. LAB OPERATION

www.vardan.co.in

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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

TC-6652

Test Report

Sample Number : VEL/S/013
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/S/2107030013/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : Stack Emission Monitoring

General Information

Sampling Location	:	30 MVA Tap Hole
Sample Collected by	:	VEL Team
Date of Sampling	:	29/06/2021
Sampling duration (Minutes)	:	28 Min. (14.00 to 14.28 Hrs.)
Stack attached to	:	Bag House
Make of stack	:	Iron
Diameter of stack(m)	:	1.0 m
Height of stack(m)	:	32 m
Instrument calibration status	:	Calibrated
Meteorological Condition	:	Clear Sky
Ambient Temperature - Ta (°C)	:	39
Temperature of Stack Gases - Ts (°C)	:	78
Velocity of Stack Gases (m/sec.)	:	9.79
Flow rate of PM (LPM)	:	36
Flow rate of Gas (LPM)	:	--
Sampling condition	:	Ok
Protocol used	:	IS 11255 & EPA

S.No.	Parameters	Test Method	Results	Units	Limits
1	Particulate Matter (as PM)	IS: 11255 (Part1) : 1985,RA 2014	51.63	mg/Nm3	150.0

End of Report

DINESH KALSANIYA
(Checked By)
DY TECHNICAL MANAGER

RAJ KUMAR YADAV
(Authorized Signatory)
G M LAB OPERATION

www.vardan.co.in

Note: Terms & conditions refer on backside of test report.

Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/S/10	Report No.:	VEL/S/2110010010
Name & Address of Party:	M/s DCM Shriram Ltd. Shriramnagar, Kota , Rajasthan	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	06/10/2021
		Period of Analysis:	01-05/10/2021
Sample Description :	Stack Emission Monitoring	Receipt Date:	01/10/2021

General Information

Sampling Location	:	20/12 MVA Furnace Stack (Carbide Plant)
Sample Collected By	:	VEL Team
Date of Sampling	:	29/09/2021
Sampling duration (Minutes)	:	21 min (08:55to 09:16Hrs.)
Stack Attached to	:	Furnace
Mack of Stack	:	Iron
Diameter of Stack (m)	:	3.3 m
Height of Stack (m)	:	36 m
Instrument calibration status	:	Calibrated
Meteorological Condition	:	Clear Sky
Ambient Temperature – Ta (°C)	:	33
Temperature of Stack Gases - Ts (°C)	:	144
Velocity of Stack Gases (m/sec.)	:	15.4
Flow rate of PM (LPM)	:	47
Flow rate of Gas (LPM)	:	--
Sampling condition	:	Isokinetic
Protocol used	:	IS :11255& EPA

RESULTS

S. No.	Parameters	Test Method	Results	Units	Limits
1.	Particulate Matter (PM)	IS 11255 (P-1) 1985 RA:2014	51.35	mg/Nm3	150

(Checked By)

(Authorized Signatory)

VEL/E/1/TR/PN5642

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/S/11	Report No.:	VEL/S/2110010011
Name & Address of Party:	M/s DCM Shriram Ltd. Shriramnagar, Kota , Rajasthan	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	06/10/2021
		Period of Analysis:	01-05/10/2021
Sample Description :	Stack Emission Monitoring	Receipt Date:	01/10/2021

General Information

Sampling Location	:	30 MVA Furnace Stack (Carbide Plant)
Sample Collected By	:	VEL Team
Date of Sampling	:	29/09/2021
Sampling duration (Minutes)	:	24 min (09:20to 09:44Hrs.)
Stack Attached to	:	Bag House
Mack of Stack	:	Iron
Diameter of Stack (m)	:	3.0 m
Height of Stack (m)	:	32 m
Instrument calibration status	:	Calibrated
Meteorological Condition	:	Clear Sky
Ambient Temperature – Ta (°C)	:	30
Temperature of Stack Gases - Ts (°C)	:	129
Velocity of Stack Gases (m/sec.)	:	12.98
Flow rate of PM (LPM)	:	41
Flow rate of Gas (LPM)	:	--
Sampling condition	:	ok
Protocol used	:	IS :11255& EPA

RESULTS

S. No.	Parameters	Test Method	Results	Units	Limits
1.	Particulate Matter (PM)	IS 11255 (P-1) 1985 RA:2014	42.65	mg/Nm3	150

(Checked By)

(Authorized Signatory)

VEL/E/I/TR/PN5643

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)

ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/S/12	Report No.:	VEL/S/2110010012
Name & Address of Party:	M/s DCM Shriram Ltd. Shriramnagar, Kota , Rajasthan	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	06/10/2021
		Period of Analysis:	01-05/10/2021
Sample Description :	Stack Emission Monitoring	Receipt Date:	01/10/2021

General Information

Sampling Location	:	20/12 MVA Tap Hole
Sample Collected By	:	VEL Team
Date of Sampling	:	29/09/2021
Sampling duration (Minutes)	:	28 min (10:00to 10:28Hrs.)
Stack Attached to	:	Bag House
Mack of Stack	:	Iron
Diameter of Stack (m)	:	0.85m
Height of Stack (m)	:	32 m
Instrument calibration status	:	Calibrated
Meteorological Condition	:	Clear Sky
Ambient Temperature - Ta (^{0}C)	:	33
Temperature of Stack Gases - Ts (^{0}C)	:	73
Velocity of Stack Gases (m/sec)	:	9.73
Flow rate of PM (LPM)	:	36
Flow rate of Gas (LPM)	:	--
Sampling condition	:	ok
Protocol used	:	IS :11255& EPA

RESULTS

S. No.	Parameters	Test Method	Results	Units	Limits
1.	Particulate Matter (PM)	IS 11255 (P-1) 1985 RA:2014	49.25	mg/Nm3	150

(Checked By)

(Authorized Signatory)

VEL/E/1//TR/PN5644

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/S/13	Report No.:	VEL/S/2110010013
Name & Address of Party:	M/s DCM Shriram Ltd. Shriramnagar, Kota , Rajasthan	Format No.:	7.8 F-01
		Party Reference No.:	NIL
		Reporting Date:	06/10/2021
		Period of Analysis:	01-05/10/2021
Sample Description :	Stack Emission Monitoring	Receipt Date:	01/10/2021

General Information		
Sampling Location	:	30 MVA Tap Hole
Sample Collected By	:	VEL Team
Date of Sampling	:	28/09/2021
Sampling duration (Minutes)	:	21 min (10:35to 10:56Hrs.)
Stack Attached to	:	Bag House
Mack of Stack	:	Iron
Diameter of Stack (m)	:	1.0m
Height of Stack (m)	:	32 m
Instrument calibration status	:	Calibrated
Meteorological Condition	:	Clear Sky
Ambient Temperature – Ta (°C)	:	33
Temperature of Stack Gases - Ts (°C)	:	76
Velocity of Stack Gases (m/sec.)	:	13.28
Flow rate of PM (LPM)	:	48
Flow rate of Gas (LPM)	:	2.0
Sampling condition	:	Isokinetic
Protocol used	:	IS :11255& EPA

RESULTS

S. No.	Parameters	Test Method	Results	Units	Limits
1.	Particulate Matter (PM)	IS 11255 (P-1) 1985 RA:2014	52.65	mg/Nm3	150

(Checked By)

(Authorized Signatory)

VEL/E/1/TR/PN5645

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
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TC-6652

Test Report

Sample Number : VEL/AA/03
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/A/2107030002/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : AMBIENT AIR

General Information

Sampling Location	:	Near VPC Plant
Sample Collected by	:	VEL Team
Sampling Equipment used	:	RDS/FPS
Instrument Code	:	VEL/JAI/RDS/32/FPS/26
Instrument Calibration Status	:	Calibrated
Latitude	:	25°7'40"
Longitude	:	75°51'41"
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	30/06/2021 To 01/07/2021
Time of Monitoring	:	11.10 to 11.10 Hrs.
Ambient Temperature (°C)	:	Min. 22 Max. 35
Surrounding Activity	:	Human, Vehicular & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS :5182
Sampling Duration	:	24 Hrs.
Parameter Required	:	As Per Work Order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Particulate Matter (as PM -10)	IS:5182 (P- 23)-2006,RA. 2017	79.50	µg/m³	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P- 24)-2019	36.15	µg/m³	60
3	Nitrogen Dioxides (as NO2)	IS:5182 (P- 6)-2006 RA.2017	20.45	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2017	13.34	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006 RA.2017	BDL (*DL1.0)	µg/m³	5.0
6	Ammonia (as NH3)	Methods of air sampling and analysis,3rd ed.,1988, Method No. 401	17.90	µg/m³	400.0
7	Ozone (as O3)	IS 5182 (P-9):1974 RA.2014	27.25	µg/m³	180.0
8	Lead (as Pb)	IS 5182 (P-22) : 2004 RA.2014	0.026	µg/m³	1.0
9	Arsenic (as As)	Methods of air sampling and analysis,3rd ed.,1988, Method No.302	BDL (*DL1.0)	ng/m³	6.0
10	Nickel (as Ni)	USEPA compendium IO-3.2,1999	BDL (*DL 5.0)	ng/m³	20.0
11	Benzo (alpha) Pyrine-Particulate Phase Only	IS:5182 (P-12):2004 RA.2014	BDL (*DL 0.5)	ng/m³	1.0

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RAJ KUMAR YADAV
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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

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TC-6652

Test Report

Sample Number : VEL/AA/03

Report No. : VEL/A/2107030002/A

BDL(Below Detection Limit),DL(Detection Limit)

End of Report

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(Authorized Signatory)
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Test Report

Sample Number : VEL/AA/03
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/A/2107030002/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : AMBIENT AIR

General Information

Sampling Location	:	Near VPC Plant
Sample Collected by	:	VEL Team
Sampling Equipment used	:	RDS/FPS
Instrument Code	:	VEL/JAI/RDS/32/FPS/26
Instrument Calibration Status	:	Calibrated
Latitude	:	25°7'40"
Longitude	:	75°51'41"
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	30/06/2021 To 01/07/2021
Time of Monitoring	:	11.10 to 11.10 Hrs.
Ambient Temperature (°C)	:	Min. 22 Max. 35
Surrounding Activity	:	Human, Vehicular & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS :5182
Sampling Duration	:	24 Hrs.
Parameter Required	:	As Per Work Order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Carbon Monoxide (as CO)	By Analyzer	0.50	mg/m³	4.0

BDL(Below Detection Limit),DL(Detection Limit)

End of Report

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(Authorized Signatory)
G M LAB OPERATION

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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

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TC-6652

Test Report

Sample Number : VEL/AA/02
Name & Address of the Party : M/S DCM Shriram Ltd
Shriram nagar Kota Rajasthan

Report No. : VEL/A/2107030003/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : AMBIENT AIR

General Information

Sampling Location	:	Near Gail Office
Sample Collected by	:	VEL Team
Sampling Equipment used	:	RDS/FPS
Instrument Code	:	VEL/JAI/RDS/15/FPS/08
Instrument Calibration Status	:	Calibrated
Latitude	:	25°7'48"
Longitude	:	75°52'58"
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	29/06/2021 To 30/06/2021
Time of Monitoring	:	11.30 to 11.30 Hrs.
Ambient Temperature (°C)	:	Min. 24 Max. 36
Surrounding Activity	:	Human, Vehicular & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS :5182
Sampling Duration	:	24 Hrs.
Parameter Required	:	As Per Work Order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Particulate Matter (as PM -10)	IS:5182 (P- 23)-2006,RA. 2017	75.88	µg/m³	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P- 24)-2019	31.11	µg/m³	60
3	Nitrogen Dioxides (as NO2)	IS:5182 (P- 6)-2006 RA.2017	22.45	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2017	11.42	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006 RA.2017	BDL (*DL1.0)	µg/m³	5.0
6	Ammonia (as NH3)	Methods of air sampling and analysis,3rd ed.,1988, Method No. 401	15.57	µg/m³	400.0
7	Ozone (as O3)	IS 5182 (P-9):1974 RA.2014	9.99	µg/m³	180.0
8	Lead (as Pb)	IS 5182 (P-22) : 2004 RA.2014	BDL (*DL 0.02)	µg/m³	1.0
9	Arsenic (as As)	Methods of air sampling and analysis,3rd ed.,1988, Method No.302	BDL (*DL1.0)	ng/m³	6.0
10	Nickel (as Ni)	USEPA compendium IO-3.2,1999	4.87	ng/m³	20.0
11	Benzo (alpha) Pyrine-Particulate Phase Only	IS:5182 (P-12):2004 RA.2014	BDL (*DL 0.5)	ng/m³	1.0

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RAJ KUMAR YADAV
G.M. LAB OPERATION

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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

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TC-6652

Test Report

Sample Number : VEL/AA/02

Report No. : VEL/A/2107030003/A

*BDL(Below Detection Limit),**DL(Detection Limit)

End of Report

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(Authorized Signatory)
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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

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Test Report

Sample Number : VEL/AA/02
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/A/2107030003/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : AMBIENT AIR

General Information

Sampling Location	:	Near Gail Office
Sample Collected by	:	VEL Team
Sampling Equipment used	:	RDS/FPS
Instrument Code	:	VEL/JAI/RDS/15/FPS/08
Instrument Calibration Status	:	Calibrated
Latitude	:	25°7'48"
Longitude	:	75°52'58"
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	29/06/2021 To 30/06/2021
Time of Monitoring	:	11.30 to 11.30 Hrs.
Ambient Temperature (°C)	:	Min. 24 Max. 36
Surrounding Activity	:	Human, Vehicular & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS :5182
Sampling Duration	:	24 Hrs.
Parameter Required	:	As Per Work Order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Carbon Monoxide (as CO)	By Analyzer	0.71	mg/m³	4.0

*BDL(Below Detection Limit),**DL(Detection Limit)

End of Report

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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

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Test Report

Sample Number : VEL/AA/04
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/A/2107030004/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : AMBIENT AIR

General Information

Sampling Location	:	Near Railway Side Power Plant
Sample Collected by	:	VEL Team
Sampling Equipment used	:	RDS/FPS
Instrument Code	:	VEL/JAI/RDS/15/FPS/08
Instrument Calibration Status	:	Calibrated
Latitude	:	25°7'43"
Longitude	:	75°53'01"
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	30/06/2021 To 01/07/2021
Time of Monitoring	:	11.40 to 11.40 Hrs.
Ambient Temperature (°C)	:	Min. 22 Max. 35
Surrounding Activity	:	Human, Vehicular & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS :5182
Sampling Duration	:	24 Hrs
Parameter Required	:	As Per Work Order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Particulate Matter (as PM -10)	IS:5182 (P- 23)-2006,RA. 2017	81.24	µg/m³	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P- 24)-2019	34.17	µg/m³	60
3	Nitrogen Dioxides (as NO2)	IS:5182 (P- 6)-2006 RA.2017	27.92	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2017	17.52	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006 RA.2017	BDL (*DL1.0)	µg/m³	5.0
6	Ammonia (as NH3)	Methods of air sampling and analysis,3rd ed.,1988, Method No. 401	12.97	µg/m³	400.0
7	Ozone (as O3)	IS 5182 (P-9):1974 RA.2014	20.89	µg/m³	180.0
8	Lead (as Pb)	IS 5182 (P-22) : 2004 RA.2014	BDL (*DL 0.02)	µg/m³	1.0
9	Arsenic (as As)	Methods of air sampling and analysis,3rd ed.,1988, Method No.302	BDL (*DL1.0)	ng/m³	6.0
10	Nickel (as Ni)	USEPA compendium IO-3.2,1999	5.81	ng/m³	20.0
11	Benzo (alpha) Pyrine-Particulate Phase Only	IS:5182 (P-12):2004 RA.2014	BDL (*DL 0.5)	ng/m³	1.0

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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Test Report

Sample Number : VEL/AA/04

Report No. : VEL/A/2107030004/A

*BDL(Below Detection Limit),**DL(Detection Limit)

End of Report

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Test Report

Sample Number : VEL/AA/04
Name & Address of the Party : M/S DCM Shriram Ltd
Shriram nagar Kota Rajasthan

Report No. : VEL/A/2107030004/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : AMBIENT AIR

General Information

Sampling Location	:	Near Railway Side Power Plant
Sample Collected by	:	VEL Team
Sampling Equipment used	:	RDS/FPS
Instrument Code	:	VEL/JAI/RDS/15/FPS/08
Instrument Calibration Status	:	Calibrated
Latitude	:	25°7'43"
Longitude	:	75°53'01"
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	30/06/2021 To 01/07/2021
Time of Monitoring	:	11.40 to 11.40 Hrs.
Ambient Temperature (°C)	:	Min. 22 Max. 35
Surrounding Activity	:	Human, Vehicular & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS :5182
Sampling Duration	:	24 Hrs.
Parameter Required	:	As Per Work Order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Carbon Monoxide (as CO)	By Analyzer	0.66	mg/m³	4.0

*BDL(Below Detection Limit),**DL(Detection Limit)

End of Report

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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

TC-6652

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

Test Report

Sample Number : VEL/AA/01
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/A/2107030005/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : AMBIENT AIR

General Information

Sampling Location	:	Material Gate
Sample Collected by	:	VEL Team
Sampling Equipment used	:	RDS/FPS
Instrument Code	:	VEL/JAI/RDS/32/FPS/26
Instrument Calibration Status	:	Calibrated
Latitude	:	25°7'38"
Longitude	:	75°52'48"
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	29/06/2021 To 30/06/2021
Time of Monitoring	:	11.00 to 11.00 Hrs.
Ambient Temperature (°C)	:	Min. 24 Max. 36
Surrounding Activity	:	Human, Vehicular & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS :5182
Sampling Duration	:	24 Hrs.
Parameter Required	:	As Per Work Order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Particulate Matter (as PM -10)	IS:5182 (P- 23)-2006,RA. 2017	78.71	µg/m³	100
2	Particulate Matter (as PM - 2.5)	IS:5182 (P- 24)-2019	36.54	µg/m³	60
3	Nitrogen Dioxides (as NO2)	IS:5182 (P- 6)-2006 RA.2017	25.36	µg/m³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2017	16.22	µg/m³	80
5	Benzene (as C6H6)	IS 5182 (P-11)-2006 RA.2017	BDL (*DL1.0)	µg/m³	5.0
6	Ammonia (as NH3)	Methods of air sampling and analysis,3rd ed.,1988, Method No. 401	10.52	µg/m³	400.0
7	Ozone (as O3)	IS 5182 (P-9):1974 RA.2014	21.80	µg/m³	180.0
8	Lead (as Pb)	IS 5182 (P-22) : 2004 RA.2014	0.028	µg/m³	1.0
9	Arsenic (as As)	Methods of air sampling and analysis,3rd ed.,1988, Method No.302	BDL (*DL1.0)	ng/m³	6.0
10	Nickel (as Ni)	USEPA compendium IO-3.2,1999	BDL (*DL 5.0)	ng/m³	20.0
11	Benzo (alpha) Pyrine-Particulate Phase Only	IS:5182 (P-12):2004 RA.2014	BDL (*DL 0.5)	ng/m³	1.0

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DY TECHNICAL MANAGER

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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Test Report

Sample Number : VEL/AA/01

Report No. : VEL/A/2107030005/A

*BDL(Below Detection Limit),**DL(Detection Limit)

End of Report

DINESH PALSANIYA

(Checked By)

QA/TECHNICAL MANAGER

RAJ KUMAR YADAV

(Authorized Signatory)

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Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

Test Report

Sample Number : VEL/AA/01
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/A/2107030005/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : AMBIENT AIR

General Information

Sampling Location	:	Material Gate
Sample Collected by	:	VEL Team
Sampling Equipment used	:	RDS/FPS
Instrument Code	:	VEL/JAI/RDS/32/FPS/26
Instrument Calibration Status	:	Calibrated
Latitude	:	25°7'38"
Longitude	:	75°52'48"
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	29/06/2021 To 30/06/2021
Time of Monitoring	:	11.00 to 11.00 Hrs.
Ambient Temperature (°C)	:	Min. 24 Max. 36
Surrounding Activity	:	Human, Vehicular & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS :5182
Sampling Duration	:	24 Hrs.
Parameter Required	:	As Per Work Order

S.No.	Parameters	Test Method	Results	Units	Limit as per CPCB
1	Carbon Monoxide (as CO)	By Analyzer	0.58	mg/m³	4.0

*BDL(Below Detection Limit),**DL(Detection Limit)

End of Report

DINESH PALSANIYA
(Checked By)
DY. TECHNICAL MANAGER

RAJ KUMAR YADAV
(Authorized Signatory)
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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/AA/01	Report No.:	VEL/A/2110010001
Name & Address of the Party	M/s DCM Shriram Ltd. Shriramnagar, Kota, Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Report Date:	06/10/2021
Sample Description :	Ambient Air Quality Monitoring	Period of Analysis:	01-06/10/2021
		Receipt Date	01/10/2021

General Information:-

Sampling Location	: Near PVC Plant
Sample collected by	: Vardan EnviroLab Representative
Sampling Equipment used	: RDS &FPS
Instrument Code	: VEL/RDS/13/FPS/27
Instrument Calibration Status	: Calibrated
Latitude	: 25° 7' 40"
Longitude	: 75° 51'41"
Meteorological condition during monitoring	: Clear sky
Date of Sampling	: 28/09/2021 to 29/09/2021
Time of Sampling	: 2:45 p.m to 2:45 p.m.
Ambient Temperature (°C)	: Min. 24°C, Max. 32 °C
Surrounding Activity	: Human , Vehicular & Plant Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Sampling Duration	: 24 hrs.
Parameter Required	: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	NAAQS* 2009
1.	Particulate Matter ($PM_{2.5}$)	IS: 5182 (P-24), 2019	37.5	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS:5182 (P- 23)-2006,RA. 2017	81.3	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS:5182 (P- 6)-2006 RA.2017	18.3	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS:51 82 (P- 2)-2001, RA. 2017	12.1	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	By CO Analyzer	0.45	mg/m^3	4
6.	Ammonia (NH3)	IS:11255(P-6), Reaffirmed-2009	16.5	$\mu g/m^3$	400
7.	Benzene(C_6H_6)	IS: 5182 (P-11), 2004	BDL (DL 1.0)	$\mu g/m^3$	5
8.	Benzo(a)pyrene	IS: 5182 (P-12), 2004	BDL (DL 0.5)	ng/m^3	1
9.	Ozone (O_3)	IS: 5182 (P-9), Reaffirmed-2003	26.3	$\mu g/m^3$	180
10.	Nickel Ni,	IS: 5182 (P-22), Reaffirmed-2009	BDL (DL 5.0)	ng/ m^3	20
11.	Lead (Pb)	IS: 5182 (P-22), Reaffirmed-2009	0.03	$\mu g/m^3$	1
12.	Arsenic As	IS: 5182 (P-22), Reaffirmed-2009	BDL (DL 1.0)	ng/ m^3	6

(Checked By)

(Authorized Signatory)

VEL/E/I/TR/PN5748

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/AA/02	Report No.:	VEL/A/2110010002
Name & Address of the Party	M/s DCM Shriram Ltd. Shriramnagar, Kota, Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Report Date:	06/10/2021
Sample Description :	Ambient Air Quality Monitoring	Period of Analysis:	01-06/10/2021
		Receipt Date	01/10/2021

General Information:-

Sampling Location	: Near Gail Office
Sample collected by	: Vardan EnviroLab Representative
Sampling Equipment used	: RDS &FPS
Instrument Code	: VEL/RDS/09/FPS/26
Instrument Calibration Status	: Calibrated
Latitude	: 25° 7' 48"
Longitude	: 75° 52'58"
Meteorological condition during monitoring	: Clear sky
Date of Sampling	: 29/09/2021 to 30/09/2021
Time of Sampling	: 3:10 p.m to 2:40 p.m
Ambient Temperature (°C)	: Min. 24°C, Max. 35 °C
Surrounding Activity	: Human , Vehicular & Plant Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Sampling Duration	: 24 hrs.
Parameter Required	: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	NAAQS* 2009
1.	Particulate Matter ($PM_{2.5}$)	IS: 5182 (P-24), 2019	30.1	$\mu g/m^3$	60
2.	Particulate Matter (PM_{10})	IS:5182 (P- 23)-2006,RA. 2017	74.2	$\mu g/m^3$	100
3.	Nitrogen Dioxide (NO_2)	IS:5182 (P- 6)-2006 RA.2017	20.34	$\mu g/m^3$	80
4.	Sulphur Dioxide (SO_2)	IS:51 82 (P- 2)-2001, RA. 2017	12.16	$\mu g/m^3$	80
5.	Carbon Monoxide (CO)	By CO Analyzer	0.68	mg/m^3	4
6.	Ammonia (NH3)	IS:11255(P-6), Reaffirmed-2009	16.21	$\mu g/m^3$	400
7.	Benzene(C_6H_6)	IS: 5182 (P-11), 2004	BDL (DL 1.0)	$\mu g/m^3$	5
8.	Benzo(a)pyrene	IS: 5182 (P-12), 2004	BDL (DL 0.5)	ng/m^3	1
9.	Ozone (O_3)	IS: 5182 (P-9), Reaffirmed-2003	10.32	$\mu g/m^3$	180
10.	Nickel Ni,	IS: 5182 (P-22), Reaffirmed-2009	BDL (DL 5.0)	ng/m^3	20
11.	Lead (Pb)	IS: 5182 (P-22), Reaffirmed-2009	BDL (DL 0.02)	$\mu g/m^3$	1
12.	Arsenic As	IS: 5182 (P-22), Reaffirmed-2009	BDL (DL 1.0)	ng/m^3	6

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VEL/E/1/TR/PN5749

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/AA/03	Report No.:	VEL/A/2110010003
Name & Address of the Party	M/s DCM Shriram Ltd. Shriramnagar, Kota, Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Report Date:	06/10/2021
Sample Description :	Ambient Air Quality Monitoring	Period of Analysis:	01-06/10/2021
		Receipt Date	01/10/2021

General Information:-

Sampling Location	: Near Railway Side Power Plant
Sample collected by	: Vardan EnviroLab Representative
Sampling Equipment used	: RDS &FPS
Instrument Code	: VEL/RDS/13/FPS/27
Instrument Calibration Status	: Calibrated
Latitude	: 25 ° 7' 43"
Longitude	: 75° 53'01"
Meteorological condition during monitoring	: Clear sky
Date of Sampling	: 29/09/2021 to 30/09/2021
Time of Sampling	: 2:35 p.m to 2:30 p.m
Ambient Temperature (^{0}C)	: Min. 25°C. Max. 32 °C
Surrounding Activity	: Human , Vehicular & Plant Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Sampling Duration	: 24 hrs.
Parameter Required	: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	NAAQS* 2009
1.	Particulate Matter ($PM_{2.5}$)	IS: 5182 (P-24), 2019	33.1	µg/m^3	60
2.	Particulate Matter (PM_{10})	IS:5182 (P- 23)-2006,RA. 2017	80.4	µg/m^3	100
3.	Nitrogen Dioxide (NO_2)	IS:5182 (P- 6)-2006 RA.2017	25.65	µg/m^3	80
4.	Sulphur Dioxide (SO_2)	IS:51 82 (P- 2)-2001, RA. 2017	18.05	µg/m^3	80
5.	Carbon Monoxide (CO)	By CO Analyzer	0.58	mg/m^3	4
6.	Ammonia (NH3)	IS:11255(P-6), Reaffirmed-2009	13.14	µg/m^3	400
7.	Benzene(C_6H_6)	IS: 5182 (P-11), 2004	BDL (DL 1.0)	µg/m^3	5
8.	Benzo(a)pyrene	IS: 5182 (P-12), 2004	BDL (DL 0.5)	ng/m^3	1
9.	Ozone (O_3)	IS: 5182 (P-9), Reaffirmed 2003	21.32	µg/m^3	180
10.	Nickel Ni,	IS: 5182 (P-22), Reaffirmed-2009	BDL (DL 5.0)	ng/ m^3	20
11.	Lead (Pb)	IS: 5182 (P-22), Reaffirmed-2009	BDL (DL 0.02)	µg/m^3	1
12.	Arsenic As	IS: 5182 (P-22), Reaffirmed-2009	BDL (DL 1.0)	ng/ m^3	6

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VEL/E/I/TR/PN5750

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/AA/04	Report No.:	VEL/A/2110010004
Name & Address of the Party	M/s DCM Shriram Ltd. Shriramnagar, Kota, Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Report Date:	06/10/2021
Sample Description :	Ambient Air Quality Monitoring	Period of Analysis:	01-06/10/2021
		Receipt Date	01/10/2021

General Information:-

Sampling Location	: Material Gate
Sample collected by	: Vardan EnviroLab Representative
Sampling Equipment used	: RDS &FPS
Instrument Code	: VEL/RDS/09/FPS/26
Instrument Calibration Status	: Calibrated
Latitude	: 25° 7' 38"
Longitude	: 75° 52'48"
Meteorological condition during monitoring	: Clear sky
Date of Sampling	: 28/09/2021 to 29/09/2021
Time of Sampling	: 2:30 p.m to 2:20 p.m
Ambient Temperature (^{0}C)	: Min. 24°C, Max. 32 °C
Surrounding Activity	: Human , Vehicular & Plant Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Sampling Duration	: 24 hrs.
Parameter Required	: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	NAAQS* 2009
1.	Particulate Matter ($PM_{2.5}$)	IS: 5182 (P-24), 2019	34.8	µg/m^3	60
2.	Particulate Matter (PM_{10})	IS:5182 (P- 23)-2006,RA. 2017	76.5	µg/m^3	100
3.	Nitrogen Dioxide (NO_2)	IS:5182 (P- 6)-2006 RA.2017	23.85	µg/m^3	80
4.	Sulphur Dioxide (SO_2)	IS:51 82 (P- 2)-2001, RA. 2017	17.58	µg/m^3	80
5.	Carbon Monoxide (CO)	By CO Analyzer	0.60	mg/m^3	4
6.	Ammonia (NH3)	IS:11255(P-6), Reaffirmed-2009	11.25	µg/m^3	400
7.	Benzene(C_6H_6)	IS: 5182 (P-11), 2004	BDL (DL 1.0)	µg/m^3	5
8.	Benzo(a)pyrene	IS: 5182 (P-12), 2004	BDL (DL 0.5)	ng/m^3	1
9.	Ozone (O_3)	IS: 5182 (P-9), Reaffirmed-2003	22.54	µg/m^3	180
10.	Nickel Ni,	IS: 5182 (P-22), Reaffirmed-2009	BDL (DL 5.0)	ng/ m^3	20
11.	Lead (Pb)	IS: 5182 (P-22), Reaffirmed-2009	0.031	µg/m^3	1
12.	Arsenic As	IS: 5182 (P-22), Reaffirmed-2009	BDL (DL 1.0)	ng/ m^3	6

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VEL/E/I/TR/PN5751

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

TC-6652

Test Report

Sample Number : VEL/WW/02
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Sample Description : Waste Water
Location : STP Outlet
Sample Collected by : VEL Team
Parameter Required : As Per Work Order
Sampling and Analysis Protocol : IS 3025

Report No. : VEL/WW/2107030004/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 06/07/2021
Period of Analysis : 03/07/2021-06/07/2021
Receipt Date : 03/07/2021
Sampling Date : 30/06/2021
Sampling Quantity : 2 Ltr.
Sampling Type : Grab
Packing Status : Temp. Sealed

S.No.	Test Parameters	Test Method	Result	Unit	Prescribed Limit
1	pH	IS 3025 (P-11): 1983 RA2017	7.41	-	5.5 - 9.0
2	Total Suspended Solids	IS: 3025 (Part 17): 1984, RA2017	15.8	mg/l	100.0
3	Oil & Grease	IS 3025(P-39):1991 RA 2019	2.0	mg/l	10.0
4	BOD (3 days @ 27°C)	IS: 3025 (Part 44): 1993, RA: 2019	9.6	mg/l	30.0
5	COD	IS : 3025 (Part 58) : 2006 RA: 2017	41.6	mg/l	250.0
6	Chloride	IS: 3025 (Part 32): 1988, RA. 2019	233.1	mg/l	N.S.
7	Sulphide (as S)	IS 3025 (P-29) :1986 RA 2019 Idometric	*BDL(**DL-0.1 mg/l)	mg/l	2.0
8	Residual Free Chlorine	IS 3025(P-26): 1986 RA 2019	0.77	mg/l	1.0

*BDL (Below Detection Limit) * DL (Detection Limit)

End of Report

(Checked By)

RAJ KUMAR YADAV
(Authorized Signatory)
O M LAB OPERATION

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Note: Terms & conditions refer on backside of test report.

Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

Test Report

Sample Number : VEL/WW/02
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Sample Description : Waste Water
Location : STP Outlet
Sample Collected by : VEL Team
Parameter Required : As Per Work Order
Sampling and Analysis Protocol : IS 3025

Report No. : VEL/WW/2107030004/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 06/07/2021
Period of Analysis : 03/07/2021-06/07/2021
Receipt Date : 03/07/2021
Sampling Date : 30/06/2021
Sampling Quantity : 2 Ltr.
Sampling Type : Grab
Packing Status : Temp. Sealed

S.No.	Test Parameters	Test Method	Result	Unit	Prescribed Limit
1	Phosphate (as PO4)	IS 3025 (P-31)1988,(Stannous Chloride Method) RA: 2019	0.47	mg/l	5.0
2	Fecal Coliform	IS 1622:2009	79	MPN/100ml	<1000

*BDL (Below Detection Limit) * DL (Detection Limit)

End of Report

(Checked By)

RAJ KUMAR YADAV
(Authorized Signatory)
G M LAB OPERATION

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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

TC-6652

Test Report

Sample Number : VEL/WW/05
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/WW/2107030007/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 06/07/2021
Period of Analysis : 03/07/2021-06/07/2021
Receipt Date : 03/07/2021
Sampling Date : 30/06/2021
Sampling Quantity : 2 Ltr.
Sampling Type : Grab
Packing Status : Temp. Sealed

Sample Description : Waste Water
Location : Final Factory Outlet
Sample Collected by : VEL Team
Parameter Required : As Per Work Order
Sampling and Analysis Protocol : IS 3025

S.No.	Test Parameters	Test Method	Result	Unit	Prescribed Limit
1	pH	IS 3025 (P-11): 1983 RA2017	7.7	-	5.5 - 9.0
2	Total Suspended Solids	IS: 3025 (Part 17): 1984, RA2017	22.0	mg/l	100.0
3	Total Dissolved Solids	IS 3025 (P-16): 1984 RA 2017	1098	mg/l	500
4	Temperature	IS 3025 (Part 9): 1984, RA 2017	25.2	°C	N.S.
5	Oil & Grease	IS 3025(P-39):1991 RA 2019	1	mg/l	10.0
6	Ammonical Nitrogen (as NH3-N)	IS-3025 (Part-34)- 1988, RA: 2019	25.44	mg/l	50.0
7	Total Kjeladahl Nitrogen (as NH3)	IS: 3025 (Part 34): 1988, RA 2019 (Macro Kjeladahl Method)	34.6	mg/l	100.0
8	BOD (3 days @ 27°C)	IS: 3025 (Part-44): 1993, RA: 2019	13.2	mg/l	30.0
9	COD	IS : 3025 (Part 58) : 2006 RA: 2017	41.6	mg/l	250.0
10	Lead (as Pb)	APHA (23rd edition-2017), 3030D, 3113 B	*BDL(**DL-0.05 mg/l)	mg/l	0.1
11	Chromium (as Cr)	APHA 23rd Eddition Year 2017 Method No. 3113 B	*BDL(**DL-0.02 mg/l)	mg/l	2.0
12	Copper (as Cu)	APHA 23rd Edition 2017 Method No. 3111B	0.13	mg/l	3.0
13	Zinc (as Zn)	APHA (23rd edition-2017), 3030D, 3113 B	0.36	mg/l	5.0
14	Chloride	IS: 3025 (Part 32): 1988, RA. 2019	524.5	mg/l	N.S.
15	Sulphate (as SO4)	IS: 3025 (Part 24): 1986, RA. 2019 Turbidity Method	392.3	mg/l	N.S.
16	Sulphide (as S)	IS 3025 (P-29) :1986 RA 2019 Idometric	*BDL(**DL-0.1mg/l)	mg/l	2.0
17	Arsenic (as As)	APHA (23rd edition-2017), 3114 C	*BDL (**DL-0.005 mg/l)	mg/l	0.2
18	Mercury (as Hg)	APHA (23rd edition-2017), 3114 C	*BDL(**DL-0.005 mg/l)	mg/l	0.01
19	Phenolic Compounds (as C6H5OH)	APHA 23rd Edition 2017, 5530C	*BDL(**DL-0.1mg/l)	mg/l	1.0

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Note: Terms & conditions refer on backside of test report.

Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Test Report

Sample Number : VEL/WW/05 Report No. : VEL/WW/2107030007/A

S.No.	Test Parameters	Test Method	Result	Unit	Prescribed Limit
20	Residual Free Chlorine	IS 3025(P-26): 1986 RA 2019	*BDL(**DL-0.2 mg/l)	mg/l	1.0
21	Iron (as Fe)	IS 3025(P-53): 2003 RA 2019	0.19	mg/l	3.0
22	Nitrate (as NO3)	IS 3025(Pt -34) Chromotropic Method, RA 2019	4.72	mg/l	N.S.

*BDL (Below Detection Limit) *DL (Detection Limit)

End of Report

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(Authorized Signatory)

Note: Terms & conditions refer on backside of test report.

Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

Test Report

Sample Number : VEL/WW/05
Name & Address of the Party : M/S DCM Shriram Ltd
Shriram nagar Kota Rajasthan

Sample Description : Waste Water
Location : Final Factory Outlet
Sample Collected by : VEL Team
Parameter Required : As Per Work Order
Sampling and Analysis Protocol : IS 3025

Report No. : VEL/WW/2107030007/B
Format No : 7 8 F-01
Party Reference No : NIL
Report Date : 06/07/2021
Period of Analysis : 03/07/2021-06/07/2021
Receipt Date : 03/07/2021
Sampling Date : 30/06/2021
Sampling Quantity : 2 Ltr.
Sampling Type : Grab
Packing Status : Temp. Sealed

S.No.	Test Parameters	Test Method	Result	Unit	Prescribed Limit
1	Colour	IS 3025: 1987 (P-4) RA2017	*BDL(**DL-1.0)	Hazen	Colourless
2	Odour	IS 3025 (P-5) : 2018	Agreeable	-	Agreeable
3	Hexavalant Chromium (Cr+6)	APHA 3500 Cr B Colorimetric Method:2017	*BDL(**DL-0.02 mg/l)	mg/l	0.1
4	Phosphate (as PO4)	IS 3025 (P-31)1988,(Stannous Chloride Method) RA: 2019	0.64	mg/l	5.0
5	Cyanide (as CN)	APHA 4500 CN-E:2017	*BDL(**DL-0.05 mg/l)	mg/l	0.2
6	Vanadium (as V)	APHA 3500 V	*BDL(**DL-0.02 mg/l)	mg/l	0.2

*BDL (Below Detection Limit) *DL (Detection Limit)

End of Report

(Checked By)

RAJ KUMAR YADAV
(Authorized Signatory)
G M LAB OPERATION

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Note: Terms & conditions refer on backside of test report.

Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)

ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL /WW/05	Report No.:	VEL/WW/2110010002
Name & Address of Party:	M/s DCM Shriram Ltd. Shriram nagar,Kota, Rajasthan.	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Reporting Date:	06/10/2021
		Period of Analysis:	01-10-2021 to 06-10-2021
Sample Description:	Waste Water	Receipt Date:	01/10/2021
Sampling Location:	STP Outlet	Sampling Date:	29/09/2021
Sample Collected by	Vardan EnviroLab Representative	Sampling Type:	Grab
Preservation:	Refrigerated	Sample Quantity:	2.0 Ltr.
Sampling & Analysis Protocol:	IS-3025		

TEST RESULTS

S. No.	Parameter	Test Method	Result	Unit	Prescribed Limit
1.	pH (at 25 °C)	APHA 23rd Edition, 4500-H+ B	7.35	--	5.5 to 9.0
2.	Total Suspended Solids	APHA 23rd Edition, 2540 B	14.8	mg/l	100
3.	Oil & Grease	APHA 23rd Edition, 5520 B	2.3	mg/l	10
4.	BOD (3 days @27°C)	APHA 23rd Edition, 2017, 5210 C	11.0	mg/l	30
5.	COD	APHA 23rd Edition, 2017, 5220 B	52.2	mg/l	250
6.	Chloride as Cl	APHA 23rd Edition, 4500-Cl- B	241.3	mg/l	NS
7.	Sulphide (as S)	APHA 23rd Edition, 4500 S2-F	BDL(DL 0.1)	mg/l	2.0
8.	Residual Free Chlorine	APHA (23rd Edition 2017)3500 Cl B	BDL(DL 0.15)	mg/l	1.0
9.	Phosphate (as PO4)	APHA 23rd Edition, 4500 PC	0.42	mg/l	NS
10.	Fecal Coliform	IS 1622:2009	70	MPN/100 ml	<1000

Note:- *BDL-Below Detection Limit, *DL- Detection Limit.

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Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL /WW/08	Report No.:	VEL/WW/2110010005
Name & Address of Party:	M/s DCM Shriram Ltd. Shriram nagar,Kota, Rajasthan.	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Reporting Date:	06/10/2021
		Period of Analysis:	01-10-2021 to 06-10-2021
Sample Description:	Waste Water	Receipt Date:	01/10/2021
Sampling Location:	Final Factory Outlet	Sampling Date:	29/09/2021
Sample Collected by	Vardan EnviroLab Representative	Sampling Type:	Grab
Preservation:	Refrigerated	Sample Quantity:	2.0 Ltr.
Sampling & Analysis Protocol:	IS-3025		

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit	Prescribed Limit
1.	pH (at 25 ^{0}C)	APHA 23rdEdition, 4500-H$^+$ B	7.23	--	5.5 to 9.0
2.	Total Suspended Solids	APHA 23rdEdition, 2540 B	23.5	mg/l	100
3.	Total Dissolved Solids	APHA 23rdEdition, 2540 C	1242	mg/l	NS
4.	Temperature	APHA 23rdEdition, 2550 B	25.4	°C	NS
5.	Oil & Grease	APHA 23rdEdition, 5520 B	1.3	mg/l	10
6.	Ammonical Nitrogen(NH3-N)	IS 3025(P-34):1988, RA 2019	23.5	mg/l	50
7.	Total Kjeladahl Nitrogen(NH3)	IS 3025(P-34):1988, RA 2019	32.9	mg/l	100
8.	BOD (3 days @27°C)	APHA 23rdEdition, 2017, 5210 C	11.0	mg/l	30
9.	COD	APHA 23rdEdition, 2017, 5220 B	48.6	mg/l	250
10.	Lead as Pb	APHA 23rd Edition2017,3030D,3111B	BDL(DL 0.002)	mg/l	0.1
11.	Chromium (as Cr)	APHA 23rd Edition2017,3500 Cr	BDL(DL 0.002)	mg/l	2.0
12.	Copper as Cu	APHA 23rd Edition2017,3111B	BDL(DL 0.002)	mg/l	3.0
13.	Zinc as Zn	APHA 23rd Ed. 2017,	0.29	mg/l	5
14.	Chloride as Cl	APHA 23rdEdition, 4500-Cl- B	545.2	mg/l	NS
15.	Sulphate as SO_4	APHA 23rdEdition, 4500 E	374.6	mg/l	NS
16.	Sulphide (as S)	APHA 23rdEdition, 4500 S2-F	BDL(DL 0.1)	mg/l	2.0

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(Authorized Signatory)

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample No.: VEL/WW/08				Report No.: VEL/WW/2110010005	
S. No.	Parameter	Test-Method	Result	Unit	Prescribed Limit
17.	Arsenic (as As)	APHA (23rd Edition)3030D,3114C,2017	BDL(DL 0.002)	mg/l	0.2
18.	Mercury as Hg	APHA (23rd Edition)3114C,2017	BDL(DL 0.0005)	mg/l	0.01
19.	Phenolic Compounds	APHA 23rdEdition, 5530 C	BDL(DL 0.0004)	mg/l	1.0
20.	Residual Free Chlorine	APHA (23rd Edition 2017)3500 Cl B	BDL(DL 0.15)	mg/l	1.0
21.	Iron as Fe	APHA 23rdEd.,2017, 3500 Fe-B	0.22	mg/l	3.0
22.	Nitrate (as NO3)	IS 3025 (P-34) 1988:RA.2019	5.32	mg/l	NS
23.	Colour	APHA 23rdEdition, 2120 B	BDL(DL 1.0)	Hazen	Colourless
24.	Odour	APHA 23rdEdition, 2150 B	Agreeable	--	Agreeable
25.	Phosphate (as PO4)	APHA 23rdEdition, 4500 PC	0.59)	mg/l	NS
26.	Cyanide (as Cn)	APHA 4500CN-D	BDL(DL 0.02)	mg/l	0.2
27.	Vanadium (as V)	APHA 3500 V	BDL(DL 0.02)	mg/l	0.2
28.	Hexavalent Chromium (Cr+6)	APHA 23rd Edition2017,3500 Cr	BDL(DL 0.02)	mg/l	0.1

Note:- *BDL-Below Detection Limit, *DL- Detection Limit.

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Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

TC-6652

Test Report

Sample Number : VEL/GW/01
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/W/2107030003/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021
Sampling Date : 30/06/2021
Sampling Quantity : 2 Ltr.
Sampling Type : Isokinatic
Longitude :
Latitude :

Sample Description : GROUND WATER
Location : H.P. Nr. Ash Lagoon Gate
Sample Collected by : VEL Team
Preservation : Suitable Preservation
Sampling and Analysis Protocol : IS 10500 -2012

S.No.	Parameters	Protocols	Results	Units	IS:10500-2012	
					Acceptable Limits	Permissible Limits
1	pH	IS 3025 (P-11): 1983 Reaff. 2017	7.50	--	6.5 to 8.5	No Relaxation
2	Total Dissolved Solids	IS 3025 (P-16): 1984 Reaff 2017	771.40	mg/l	500	2000
3	Total Alkalinity (as CaCO3)	IS: 3025 (Part 23): 1986, Reaff. 2019	226.24	mg/l	200	600
4	Total Hardness (as CaCO3)	IS: 3025 (Part 21): 2009, Reaff. 2019	352.0	mg/l	200	600
5	Nitrate (as NO3)	IS: 3025 (Part 34): 1988, Reaff. 2019	9.07	mg/l	45	No Relaxation
6	Chloride (as Cl)	IS: 3025 (Part 32): 1988, Reaff. 2019	194.27	mg/l	250	1000
7	Sulphate (as SO4)	IS: 3025 (Part 24): 1986, Reaff. 2019 Turbidity Method	70.33	mg/l	200	400
8	Calcium (as Ca)	IS: 3025 (Part 40): 1991 Reaff. 2019	92.99	mg/l	75	200
9	Magnesium (as Mg)	IS: 3025 (Part 46): 1994, Reaff. 2009 (EDTA method)	29.16	mg/l	30	100
10	Fluorides (as F)	APHA 23rd Edition 2017, 4500 FD	0.45	mg/l	1.0	1.5
11	Phenolic Compound (as C6H5OH)	APHA 23rd Edition 2017, 5530C	*BDL (**DL -0.001)	mg/l	0.001	0.002
12	Arsenic (as As)	APHA (23rd edition-2017), 3114 C	*BDL(**DL-0.005)	mg/l	0.01	0.05
13	Mercury (as Hg)	APHA (23rd edition-2017), 3114C	*BDL(**DL-0.0005)	mg/l	0.001	No Relaxation
14	Lead (as Pb)	APHA (23rd edition-2017), 3030D, 3113 B	*BDL(**DL-0.005)	mg/l	0.01	No Relaxation
15	Cadmium (as Cd)	APHA (23rd edition-2017), 3030D, 3113 B	*BDL(**DL-0.002)	mg/l	0.003	No Relaxation
16	Copper (as Cu)	APHA 23rd Edition Year 2017 Method No. 3111B	*BDL(**DL-0.02)	mg/l	0.05	1.5
17	Zinc (as Zn)	APHA (23rd edition-2017), 3030D, 3113 B	*BDL(**DL-0.20)	mg/l	5.0	15
18	Selenium (as Se)	APHA (23rd edition-2017), 3114C	*BDL(**DL-0.005)	mg/l	0.01	No Relaxation
19	Turbidity	IS 3025 (Part 10): 1984, Ref: 2017, (Nephelometeric Method)	*BDL(**DL 1.0)	NTU	1	5
20	Manganese (as Mn)	IS: 3025 (Part 46): 1994, Reaff. 2019 (EDTA method)	*BDL(**DL-0.05)	mg/l	0.1	0.3

RAJ KUMAR YADAV
G M LAB OPERATION

Note: Terms & conditions refer on backside of test report.

Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

TC-6652

Test Report

Sample Number : VEL/GW/01 Report No. : VEL/W/2107030003/A

S.No.	Parameters	Protocols	Results	Units	IS:10500-2012	
					Acceptable Limits	Permissible Limits
21	Ammonia (as NH3)	IS-3025 (Part-34)- 1988, RA. 2019	*BDL(**DL-0.3)	mg/l	0.5	No Relaxation
22	Free Residual Chlorine	IS: 3025 (Part 26): 1986 RA 2019	*BDL(**DL-0.2)	mg/l	0.2	1

*BDL(Below Detection Limit),**DL(Detection Limit)

End of Report

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(Authorized Signatory)
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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
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Test Report

Sample Number : VEL/GW/01
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/W/2107030003/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021
Sampling Date : 30/06/2021
Sampling Quantity : 2 Ltr.
Sampling Type : Isokinatic
Longitude :
Latitude :

Sample Description : GROUND WATER
Location : H.P. Nr. Ash Lagoon Gate
Sample Collected by : VEL Team
Preservation : Suitable Preservation
Sampling and Analysis Protocol : IS 10500 -2012

S.No.	Parameters	Protocols	Results	Units	IS:10500-2012	
					Acceptable Limits	Permissible Limits
1	Total Coliform (By MPN Method)	IS:1622	Absent	MPN/100 ml	Shall not be Detectable in any 100 ml sample	NA
2	E-Coli	IS:1622	Absent	per 100 ml	Absent/100 ml	Absent/100 ml
3	Cyanide (as CN)	APHA 23rd Edition 2017, 4500CN D	*BDL(**DL-0.05)	mg/l	0.05	No Relaxation
4	Colour	IS 3025: 1983 (P-4) RA.. 2017	*BDL(**DL 1.0)	Hazen Unit	5	15
5	Odour	IS 3025 (P-5): RA. 2018	Agreeable	Qualitative	Agreeable	Agreeable
6	Taste	IS 3025(P-8):1984 RA. 2017	Agreeable	Qualitative	Agreeable	Agreeable
7	Anionic Surface Active Agent	APHA 23rd Edition 2017, 5540C	*BDL(**DL-0.05)	mg/l	0.2	1.0
8	Barium as (Ba)	APHA3111B	*BDL(**DL-0.02)	mg/l	0.7	No Relaxation

*BDL(Below Detection Limit),**DL(Detection Limit)

End of Report

(Checked By)

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(Authorized Signatory)
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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

TC-6652

Test Report

Sample Number : VEL/GW/02
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/W/2107030004/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021
Sampling Date : 30/06/2021
Sampling Quantity : 2 Ltr.
Sampling Type : Grab
Longitude :
Latitude :

Sample Description : GROUND WATER
Location : H.P. Nr. Tempo Stand Shri Ram Nagar
Sample Collected by : VEL Team
Preservation : Suitable Preservation
Sampling and Analysis Protocol : IS 10500 -2012

S.No.	Parameters	Protocols	Results	Units	IS:10500-2012	
					Acceptable Limits	Permissible Limits
1	pH	IS 3025 (P-11): 1983 Reaff. 2017	7.48	--	6.5 to 8.5	No Relaxation
2	Total Dissolved Solids	IS 3025 (P-16): 1984 Reaff 2017	654.40	mg/l	500	2000
3	Total Alkalinity (as CaCO3)	IS: 3025 (Part 23): 1986, Reaff. 2019	290.88	mg/l	200	600
4	Total Hardness (as CaCO3)	IS: 3025 (Part 21): 2009, Reaff. 2019	308.0	mg/l	200	600
5	Nitrate (as NO3)	IS: 3025 (Part 34): 1988, Reaff. 2019	7.29	mg/l	45	No Relaxation
6	Chloride (as Cl)	IS: 3025 (Part 32): 1988, Reaff. 2019	199.12	mg/l	250	1000
7	Sulphate (as SO4)	IS: 3025 (Part 24): 1986, Reaff. 2019 Turbidity Method	50.24	mg/l	200	400
8	Calcium (as Ca)	IS: 3025 (Part 40): 1991 Reaff. 2019	76.95	mg/l	75	200
9	Magnesium (as Mg)	IS: 3025 (Part 46): 1994, Reaff. 2009 (EDTA method)	28.19	mg/l	30	100
10	Fluorides (as F)	APHA 23rd Edition 2017, 4500 FD	0.50	mg/l	1.0	1.5
11	Phenolic Compound (as C6H5OH)	APHA 23rd Edition 2017, 5530C	*BDL(**DL-0.001)	mg/l	0.001	0.002
12	Arsenic (as As)	APHA (23rd edition-2017), 3114 C	*BDL(**DL-0.005)	mg/l	0.01	0.05
13	Mercury (as Hg)	APHA (23rd edition-2017), 3114C	*BDL(**DL-0.0005)	mg/l	0.001	No Relaxation
14	Lead (as Pb)	APHA (23rd edition-2017), 3030D, 3113 B	*BDL(**DL-0.005)	mg/l	0.01	No Relaxation
15	Cadmium (as Cd)	APHA (23rd edition-2017), 3030D, 3113 B	*BDL(**DL-0.002)	mg/l	0.003	No Relaxation
16	Copper (as Cu)	APHA 23rd Edition Year 2017 Method No. 3111B	*BDL(**DL-0.02)	mg/l	0.05	1.5
17	Zinc (as Zn)	APHA (23rd edition-2017), 3030D, 3113 B	*BDL(**DL-0.20)	mg/l	5.0	15
18	Selenium (as Se)	APHA (23rd edition-2017), 3114C	*BDL(**DL-0.005)	mg/l	0.01	No Relaxation
19	Turbidity	IS 3025 (Part 10): 1984, Ref: 2017, (Nephelometeric Method)	*BDL(**DL 1.0)	NTU	1	5
20	Manganese (as Mn)	IS: 3025 (Part 46): 1994, Reaff. 2019 (EDTA method)	*BDL(**DL-0.05 l)	mg/l	0.1	0.3

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G.M. LAB OPERATION

Note: Terms & conditions refer on backside of test report.

Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
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TC-6652

Test Report

Sample Number : VEL/GW/02 Report No. : VEL/W/2107030004/A

S.No.	Parameters	Protocols	Results	Units	IS:10500-2012	
					Acceptable Limits	Permissible Limits
21	Ammonia (as NH3)	IS-3025 (Part-34)- 1988, RA. 2019	*BDL(**DL-0.3)	mg/l	0.5	No Relaxation
22	Free Residual Chlorine	IS: 3025 (Part 26): 1986 RA 2019	*BDL(**DL-0.2)	mg/l	0.2	1

*BDL(Below Detection Limit),**DL(Detection Limit)

End of Report

(Checked By)

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Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
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Test Report

Sample Number : VEL/GW/02
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Sample Description : GROUND WATER
Location : H.P. Nr. Tempo Stand Shri Ram Nagar
Sample Collected by : VEL Team
Preservation : Suitable Preservation
Sampling and Analysis Protocol : IS 10500 -2012

Report No. : VEL/W/2107030004/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021
Sampling Date : 30/06/2021
Sampling Quantity : 2 Ltr.
Sampling Type : Grab
Longitude :
Latitude :

S.No.	Parameters	Protocols	Results	Units	IS:10500-2012	
					Acceptable Limits	Permissible Limits
1	Total Coliform (By MPN Method)	IS:1622	Absent	MPN/100 ml	Shall not be Detectable in any 100 ml sample	NA
2	E-Coli	IS:1622	Absent	per 100 ml	Absent/100 ml	Absent/100 ml
3	Cyanide (as CN)	APHA 23rd Edition 2017, 4500CN D	*BDL(**DL-0.05)	mg/l	0.05	No Relaxation
4	Colour	IS 3025: 1983 (P-4) RA.. 2017	*BDL(**DL 1.0)	Hazen Unit	5	15
5	Odour	IS 3025 (P-5): RA. 2018	Agreeable	Qualitative	Agreeable	Agreeable
6	Taste	IS 3025(P-8):1984 RA. 2017	Agreeable	Qualitative	Agreeable	Agreeable
7	Anionic Surface Active Agent	APHA 23rd Edition 2017, 5540C	*BDL(**DL-0.05)	mg/l	0.2	1.0
8	Barium as (Ba)	APHA3111B	*BDL(**DL-0.02)	mg/l	0.7	No Relaxation

*BDL(Below Detection Limit),**DL(Detection Limit)

End of Report

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RAJ KUMAR YADAV
(Authorized Signatory)
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Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

TC-6652

Test Report

Sample Number : VEL/SW/01
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/W/2107030005/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021
Sampling Date : 30/06/2021
Sampling Quantity : 2 Ltr.
Sampling Type : Grab
Longitude :
Latitude :

Sample Description : SURFACE WATER
Location : River Chambal Nr. Manasgaon
Sample Collected by : VEL Team
Preservation : Suitable Preservation
Sampling and Analysis Protocol : IS 2296

S.No.	Test Parameters	Test Method	Results	Units	Specifications	Limits (Max)
1	pH	IS 3025 (P-11): 1983 Reaff. 2017	7.63	--	6.5 to 8.5	No Relaxation
2	Total Dissolved Solids	IS 3025 (P-16): 1984 Reaff 2017	327.30	mg/l	500	2000
3	Total Alkalinity (as CaCO3)	IS: 3025 (Part 23): 1986, Reaff. 2019	121.20	mg/l	200	600
4	Total Hardness (as CaCO3)	IS: 3025 (Part 21): 2009, Reaff. 2019	136.0	mg/l	200	600
5	Nitrate (as NO3)	IS: 3025 (Part 34): 1988, Reaff. 2019	3.64	mg/l	45	No Relaxation
6	Chloride (as Cl)	IS: 3025 (Part 32): 1988, Reaff. 2019	48.57	mg/l	250	1000
7	Sulphate (as SO4)	IS: 3025 (Part 24): 1986, Reaff. 2019 Turbidity Method	22.73	mg/l	200	400
8	Calcium (as Ca)	IS: 3025 (Part 40): 1991 Reaff. 2019	35.27	mg/l	75	200
9	Magnesium (as Mg)	IS: 3025 (Part 46): 1994, Reaff. 2009 (EDTA method)	11.66	mg/l	30	100
10	Fluorides (as F)	APHA 23rd Edition 2017, 4500 FD	0.20	mg/l	1.0	1.5
11	Phenolic Compound (as C6H5OH)	APHA 23rd Edition 2017, 5530C	*BDL(**DL-0.001)	mg/l	0.001	0.002
12	Arsenic (as As)	APHA (23rd edition-2017), 3114 C	*BDL(**DL-0.005)	mg/l	0.01	0.05
13	Mercury (as Hg)	APHA (23rd edition-2017), 3114C	*BDL(**DL-0.0005)	mg/l	0.001	No Relaxation
14	Lead (as Pb)	APHA (23rd edition-2017), 3030D, 3113 B	*BDL(**DL-0.005)	mg/l	0.01	No Relaxation
15	Cadmium (as Cd)	APHA (23rd edition-2017), 3030D, 3113 B	*BDL(**DL-0.002)	mg/l	0.003	No Relaxation
16	Copper (as Cu)	APHA 23rd Edition Year 2017 Method No. 3111B	*BDL(**DL-0.02)	mg/l	0.05	1.5
17	Zinc (as Zn)	APHA (23rd edition-2017), 3030D, 3113 B	*BDL(**DL-0.20)	mg/l	5.0	15
18	Selenium (as Se)	APHA (23rd edition-2017), 3114C	*BDL(**DL-0.005)	mg/l	0.01	No Relaxation
19	Turbidity	IS 3025 (Part 10): 1984, Ref: 2017, (Nephelometeric Method)	*BDL(**DL 1.0)	NTU	1	5
20	Manganese (as Mn)	IS. 3025 (Part 46): 1994, Reaff. 2019 (EDTA method)	*DDL(**DL-0.05 I)	mg/l	0.1	0.3

RAJ KUMAR YADAV
O M LAB OPERATION

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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

TC-6652

Test Report

Sample Number : VEL/SW/01 Report No. : VEL/W/2107030005/A

S.No.	Test Parameters	Test Method	Results	Units	Specifications	Limits (Max)
21	Ammonia (as NH3)	IS-3025 (Part-34)- 1988, RA. 2019	*BDL(**DL-0.3)	mg/l	0.5	No Relaxation
22	Free Residual Chlorine	IS: 3025 (Part 26): 1986 RA 2019	*BDL(**DL-0.2)	mg/l	0.2	1

*BDL(Below Detection Limit),**DL(Detection Limit)

End of Report

(Checked By)

RAJ KUMAR YADAV
(Authorized Signatory)
G M LAB OPERATION

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Note: Terms & conditions refer on backside of test report.

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Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

Test Report

Sample Number : VEL/SW/01
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/W/2107030005/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021
Sampling Date : 30/06/2021
Sampling Quantity : 2 Ltr.
Sampling Type : Grab
Longitude :
Latitude :

Sample Description : SURFACE WATER
Location : River Chambal Nr. Manasgaon
Sample Collected by : VEL Team
Preservation : Suitable Preservation
Sampling and Analysis Protocol : IS 2296

S.No.	Test Parameters	Test Method	Results	Units	Specifications	Limits (Max)
1	Total Coliform (By MPN Method)	IS:1622	Absent	MPN/100 ml	Shall not be Detectable in any 100 ml sample	NA
2	E-Coli	IS:1622	Absent	per 100 ml	Absent/100 ml	Absent/100 ml
3	Cyanide (as CN)	APHA 23rd Edition 2017, 4500CN D	*BDL(**DL-0.05)	mg/l	0.05	No Relaxation
4	Colour	IS 3025: 1983 (P-4) RA.. 2017	*BDL(**DL 1.0)	Hazen Unit	5	15
5	Odour	IS 3025 (P-5): RA. 2018	Agreeable	Qualitative	Agreeable	Agreeable
6	Taste	IS 3025(P-8):1984 RA. 2017	Agreeable	Qualitative	Agreeable	Agreeable
7	Anionic Surface Active Agent	APHA 23rd Edition 2017, 5540C	*BDL(**DL-0.05)	mg/l	0.2	1.0
8	Barium as (Ba)	APHA3111B	*BDL(**DL-0.02)	mg/l	0.7	No Relaxation

*BDL(Below Detection Limit),**DL (Detection Limit)

End of Report

(Checked By)

RAJ KUMAR YADAV
(Authorized Signatory)
G M LAB OPERATION

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Note: Terms & conditions refer on backside of test report.

Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)

ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL /GW/01	Report No.:	VEL/W/2110010001
Name & Address of Party:	M/s DCM Shriram Ltd Shriram nagar, Kota Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Reporting Date:	06/10/2021
		Period of Analysis:	01-10-2021 to 06-10-2021
Sample Description:	Ground Water (Piezometric)	Receipt Date:	01/10/2021
Sampling Location:	H.P. Nr Tempo Stand Shri Ram Nagar	Sampling Date:	29/09/2021
Sample Collected by	Vardan EnviroLab Representative	Sampling Type:	Grab
Preservation:	Refrigerated	Sample Quantity:	2.0 Ltr.
Sampling & Analysis Protocol:	IS-10500-2012		

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
1.	pH (at 25 °C)	APHA 23rd Edition, 4500-H+ B	7.31	--	6.5 to 8.5	No Relaxation
2.	Total Dissolved Solids	APHA 23rd Edition, 2540 C	684.5	mg/l	500	2000
3.	Alkalinity as $CaCO_3$	APHA 23rd Edition, 2320 B	281.3	mg/l	200	600
4.	Total Hardness as $CaCO_3$	APHA 23rd Edition, 2340 C	297.4	mg/l	200	600
5.	Nitrate as NO_3	IS 3025 (P-34) 1988:RA.2019	8.12	mg/l	45	No Relaxation
6.	Chloride as Cl	APHA 23rd Edition, 4500-Cl B	203.2	mg/l	250	1000
7.	Sulphate as SO_4	APHA 23rd Edition, 4500 E	51.3	mg/l	200	400
8.	Calcium as Ca	APHA 23rd Edition, 3500 Ca B	70.3	mg/l	75	200
9.	Magnesium as Mg	APHA 23rd Edition, 2340 B	29.6	mg/l	30	100
10.	Fluoride as F	APHA 23rd Edition,2017, 4500-F- D	0.53	mg/l	1.0	1.5
11.	Arsenic as As	APHA (23rd Edition)3030D,3114C,2017	BDL(DL 0.002)	mg/l	0.01	0.05
12.	Mercury as Hg	APHA (23rd Edition)3114C,2017	BDL(DL 0.0005)	mg/l	0.001	No relaxation
13.	Lead as Pb	APHA 23rd Edition2017.3030D.3111B	BDL(DL 0.002)	mg/l	0.01	No relaxation
14.	Cadmium (as Cd)	APHA (23rd Edition)3030D,3113B	BDL(DL 0.002)	mg/l	0.003	No relaxation
15.	Copper as Cu	APHA 23rd Edition2017,3111B	BDL(DL 0.002)	mg/l	0.05	1.5
16.	Zinc as Zn	APHA 23rd Ed. 2017,	BDL(DL 0.01)	mg/l	5	15

(Checked By)

(Authorized Signatory)

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)

ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample No.: VEL/GW/01 | Report No.: VEL/W/2110010001

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
17.	Selenium as Se	APHA (23rd Edition)3114C,2017	BDL(DL 0.001)	mg/l	0.01	No relaxation
18.	Turbidity	APHA 23rdEdition, 2130 B	BDL(DL 1.0)	NTU	1	5
19.	Manganese as Mn	APHA 23rdEdition, 3111 B	BDL(DL 0.01)	mg/l	0.1	0.3
20.	Ammonium as NH3	IS-3025(Part-34) 1988, RA.2019	BDL(DL 0.2)	mg/l	0.5	No Relaxation
21.	Free Residual Chlorine	APHA 23rdEdition, 3500 Cl B	BDL(DL 0.15)	mg/l	0.2	1
22.	Total.Coliform	IS:1622:2009	Absent	MPN/ 100ml	Shall Not Be detactable in 100 ml Sample	NA
23.	E.Coli	IS:1622:2009	Absent	Per 100ml	Absent/100 ml Sample	NA
24.	Cyanide as CN	APHA 4500CN-D	BDL(DL 0.05)	mg/l	0.05	No relaxation
25.	Colour	APHA 23rdEdition, 2120 B	BDL(DL 1.0)	Hazen	5	15
26.	Odour	APHA 23rdEdition, 2150 B	Agreeable	--	Agreeable	Agreeable
27.	Taste	APHA 23rdEdition, 2160 B	Agreeable	--	Agreeable	Agreeable
28.	Anionic Detergents as MBAS	APHA 23rd Edition,2017, 5540 C	BDL(DL 0.05)	mg/l	0.2	1.0
29.	Phenolic Compounds	APHA 23rdEdition, 5530 C	BDL(DL 0.004)	mg/l	0.001	0.002
30.	Barium as Ba	APHA 3111B	BDL(DL 0.02)	mg/l	0.7	No Relaxation

Note:- *BDL-Below Detection Limit, *DL- Detection Limit.

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(Authorized Signatory)

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)

ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL /GW/02	Report No.:	VEL/W/2110010002
Name & Address of Party:	M/s DCM Shriram Ltd Shriram nagar, Kota Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Reporting Date:	06/10/2021
		Period of Analysis:	01-10-2021 to 06-10-2021
Sample Description:	Ground Water (Piezometric)	Receipt Date:	01/10/2021
Sampling Location:	H.P. Nr. Ash Lagoon Gate	Sampling Date:	29/09/2021
Sample Collected by	Vardan EnviroLab Representative	Sampling Type:	Grab
Preservation:	Refrigerated	Sample Quantity:	2.0 Ltr.
Sampling & Analysis Protocol:	IS-10500-2012		

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
1.	pH (at 25 °C)	APHA 23rd Edition, 4500-H^+ B	7.32	--	6.5 to 8.5	No Relaxation
2.	Total Dissolved Solids	APHA 23rd Edition, 2540 C	792.1	mg/l	500	2000
3.	Alkalinity as $CaCO_3$	APHA 23rd Edition, 2320 B	228.3	mg/l	200	600
4.	Total Hardness as $CaCO_3$	APHA 23rd Edition, 2340 C	335.2	mg/l	200	600
5.	Nitrate as NO_3	IS 3025 (P-34) 1988:RA.2019	10.3	mg/l	45	No Relaxation
6.	Chloride as Cl	APHA 23rd Edition, 4500-Cl^- B	211.5	mg/l	250	1000
7.	Sulphate as SO_4	APHA 23rd Edition, 4500 E	72.5	mg/l	200	400
8.	Calcium as Ca	APHA 23rd Edition, 3500 Ca B	98.5	mg/l	75	200
9.	Magnesium as Mg	APHA 23rd Edition, 2340 B	21.7	mg/l	30	100
10.	Fluoride as F	APHA 23rd Edition,2017, 4500-F D	0.38	mg/l	1.0	1.5
11.	Arsenic as As	APHA (23rd Edition)3030D,3114C,2017	BDL(DL 0.002)	mg/l	0.01	0.05
12.	Mercury as Hg	APHA (23rd Edition)3114C,2017	BDL(DL 0.0005)	mg/l	0.001	No relaxation
13.	Lead as Pb	APHA 23rd Edition2017,3030D,3111B	BDL(DL 0.002)	mg/l	0.01	No relaxation
14.	Cadmium (as Cd)	APHA (23rd Edition)3030D,3113B	BDL(DL 0.002)	mg/l	0.003	No relaxation
15.	Copper as Cu	APHA 23rd Edition2017,3111B	BDL(DL 0.002)	mg/l	0.05	1.5
16.	Zinc as Zn	APHA 23rd Ed. 2017,	BDL(DL 0.01)	mg/l	5	15

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(Authorized Signatory)

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample No.: VEL /GW/02 — Report No.: VEL/W/2110010002

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
17.	Selenium as Se	APHA (23rd Edition)3114C,2017	BDL(DL 0.001)	mg/l	0.01	No relaxation
18.	Turbidity	APHA 23rdEdition, 2130 B	BDL(DL 1.0)	NTU	1	5
19.	Manganese as Mn	APHA 23rdEdition, 3111 B	BDL(DL 0.01)	mg/l	0.1	0.3
20.	Ammonium as NH3	IS-3025(Part-34) 1988, RA.2019	BDL(DL 0.2)	mg/l	0.5	No Relaxation
21.	Free Residual Chlorine	APHA 23rdEdition, 3500 Cl B	BDL(DL 0.15)	mg/l	0.2	1
22.	Total.Coliform	IS:1622:2009	Absent	MPN/ 100ml	Shall Not Be detactable in 100 ml Sample	NA
23.	E.Coli	IS:1622:2009	Absent	Per 100ml	Absent/100 ml Sample	NA
24.	Cyanide as CN	APHA 4500CN-D	BDL(DL 0.02)	mg/l	0.05	No relaxation
25.	Colour	APHA 23rdEdition, 2120 B	BDL(DL 1.0)	Hazen	5	15
26.	Odour	APHA 23rdEdition, 2150 B	Agreeable	--	Agreeable	Agreeable
27.	Taste	APHA 23rdEdition, 2160 B	Agreeable	--	Agreeable	Agreeable
28.	Anionic Detergents as MBAS	APHA 23rd Edition,2017, 5540 C	BDL(DL 0.05)	mg/l	0.2	1.0
29.	Phenolic Compounds	APHA 23rdEdition, 5530 C	BDL(DL 0.004)	mg/l	0.001	0.002
30.	Barium as Ba	APHA 3111B	BDL(DL 0.01)	mg/l	0.7	No Relaxation

Note:- *BDL-Below Detection Limit, *DL- Detection Limit.

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(Authorized Signatory)

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)

ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL /GW/03	Report No.:	VEL/W/2110010003
Name & Address of Party:	M/s DCM Shriram Ltd Shriram nagar, Kota Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Reporting Date:	06/10/2021
		Period of Analysis:	01-10-2021 to 06-10-2021
Sample Description:	Surface Water	Receipt Date:	01/10/2021
Sampling Location:	River Chambal Nr. Manasgaon	Sampling Date:	29/09/2021
Sample Collected by	Vardan EnviroLab Representative	Sampling Type:	Grab
Preservation:	Refrigerated	Sample Quantity:	2.0 Ltr.
Sampling & Analysis Protocol:	IS-10500-2012		

TEST RESULTS

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
1.	pH (at 25 °C)	APHA 23rd Edition, 4500-H+ B	7.68	--	6.5 to 8.5	No Relaxation
2.	Total Dissolved Solids	APHA 23rd Edition, 2540 C	314.2	mg/l	500	2000
3.	Alkalinity as $CaCO_3$	APHA 23rd Edition, 2320 B	128.6	mg/l	200	600
4.	Total Hardness as $CaCO_3$	APHA 23rd Edition, 2340 C	132.8	mg/l	200	600
5.	Nitrate as NO_3	IS 3025 (P-34) 1988:RA.2019	2.58	mg/l	45	No Relaxation
6.	Chloride as Cl	APHA 23rd Edition, 4500-Cl- B	50.3	mg/l	250	1000
7.	Sulphate as SO_4	APHA 23rd Edition, 4500 E	20.6	mg/l	200	400
8.	Calcium as Ca	APHA 23rd Edition, 3500 Ca B	32.2	mg/l	75	200
9.	Magnesium as Mg	APHA 23rd Edition, 2340 B	12.7	mg/l	30	100
10.	Fluoride as F	APHA 23rd Edition,2017, 4500-F- D	0.23	mg/l	1.0	1.5
11.	Arsenic as As	APHA (23rd Edition)3030D,3114C,2017	BDL(DL 0.002)	mg/l	0.01	0.05
12.	Mercury as Hg	APHA (23rd Edition)3114C,2017	BDL(DL 0.0005)	mg/l	0.001	No relaxation
13.	Lead as Pb	APHA 23rd Edition2017,3030D,3111B	BDL(DL 0.002)	mg/l	0.01	No relaxation
14.	Cadmium (as Cd)	APHA (23rd Edition)3030D,3113B	BDL(DL 0.002)	mg/l	0.003	No relaxation
15.	Copper as Cu	APHA 23rd Edition2017,3111B	BDL(DL 0.002)	mg/l	0.05	1.5
16.	Zinc as Zn	APHA 23rd Ed. 2017,	BDL(DL 0.01)	mg/l	5	15

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(Authorized Signatory)

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample No.: VEL /GW/03 — Report No.: VEL/W/2110010003

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Desirable limit (Max.)	Permissible limit in the Absence of Alternate Source (Max.)
17.	Selenium as Se	APHA (23rd Edition)3114C,2017	BDL(DL 0.001)	mg/l	0.01	No relaxation
18.	Turbidity	APHA 23rdEdition, 2130 B	BDL(DL 1.0)	NTU	1	5
19.	Manganese as Mn	APHA 23rdEdition, 3111 B	BDL(DL 0.01)	mg/l	0.1	0.3
20.	Ammonium as NH3	IS-3025(Part-34) 1988, RA.2019	BDL(DL 0.2)	mg/l	0.5	No Relaxation
21.	Free Residual Chlorine	APHA 23rdEdition, 3500 Cl B	BDL(DL 0.15)	mg/l	0.2	1
22.	Total.Coliform	IS:1622:2009	Absent	MPN/ 100ml	Shall Not Be detactable in 100 ml Sample	NA
23.	E.Coli	IS:1622:2009	Absent	Per 100ml	Absent/100 ml Sample	NA
24.	Cyanide as CN	APHA 4500CN-D	BDL(DL 0.02)	mg/l	0.05	No relaxation
25.	Colour	APHA 23rdEdition, 2120 B	BDL(DL 1.0)	Hazen	5	15
26.	Odour	APHA 23rdEdition, 2150 B	Agreeable	--	Agreeable	Agreeable
27.	Taste	APHA 23rdEdition, 2160 B	Agreeable	--	Agreeable	Agreeable
28.	Anionic Detergents as MBAS	APHA 23rd Edition,2017, 5540 C	BDL(DL 0.05)	mg/l	0.2	1.0
29.	Phenolic Compounds	APHA 23rdEdition, 5530 C	BDL(DL 0.004)	mg/l	0.001	0.002
30.	Barium as Ba	APHA 3111B	BDL(DL 0.01)	mg/l	0.7	No Relaxation

Note:- *BDL-Below Detection Limit, *DL- Detection Limit.

(Checked By)

(Authorized Signatory)

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

Test Report

Sample Number : VEL/WA/01
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/WZA/2107030001/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : Work Zone Air

General Information

Sampling Location	:	PVC Packing Plant
Sample Collected by	:	VEL Team
Sampling Equipment used	:	Personal Samplar
Instrument Code	:	VEL/JAI/PS/01
Instrument Calibration Status	:	Calibrated
Latitude	:	25°8'28"
Longitude	:	75°53'5"
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	29/06/2021 To 29/06/2021
Time of Monitoring	:	11.50 to 19.50 Hrs.
Ambient Temperature (°C)	:	Min. 26 Max. 36
Surrounding Activity	:	Human & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS 5182
Sampling Duration	:	8 Hrs.
Parameter Required	:	As Per Work Order

S.No.	Test Parameters	Protocol	Results	Unit	Limits
1	Total Dust (SPM)	IS 5182	0.85	mg/m3	10

End of Report

DINESH PALSANIYA
(Checked By)
DY. TECHNICAL MANAGER

RAJ KUMAR YADAV
(Authorized Signatory)
G M LAB OPERATION

www.vardan.co.in
Note: Terms & conditions refer on backside of test report.

Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

Test Report

Sample Number : VEL/WA/02
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/WZA/2107030002/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : Work Zone Air

General Information

Sampling Location	:	12 + 20 MVA Taping Floor
Sample Collected by	:	VEL Team
Sampling Equipment used	:	Personal Samplar
Instrument Code	:	VEL/JAI/PS/01
Instrument Calibration Status	:	Calibrated
Latitude	:	25°8'21"
Longitude	:	75°53'7"
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	29/06/2021 To 30/06/2021
Time of Monitoring	:	20.10 to 04.10 Hrs.
Ambient Temperature (°C)	:	Min. 24 Max. 36
Surrounding Activity	:	Human & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS 5182
Sampling Duration	:	8 Hrs.
Parameter Required	:	As Per Work Order

S.No.	Test Parameters	Protocol	Results	Unit	Limits
1	Total Dust (SPM)	IS 5182	0.89	mg/m3	2

End of Report

DINESH PALSANIYA
(Checked By)
DY TECHNICAL MANAGER

RAJ KUMAR YADAV
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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

Test Report

Sample Number : VEL/WA/03
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/WZA/2107030003/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : Work Zone Air

General Information

Sampling Location	:	30 MVA Tapping Floor
Sample Collected by	:	VEL Team
Sampling Equipment used	:	Personal Samplar
Instrument Code	:	VEL/JAI/PS/01
Instrument Calibration Status	:	Calibrated
Latitude	:	25°8'21"
Longitude	:	75°53'18"
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	30/06/2021 To 30/06/2021
Time of Monitoring	:	08.08 to 16.08 Hrs.
Ambient Temperature (°C)	:	Min. 26 Max. 35
Surrounding Activity	:	Human & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS 5182
Sampling Duration	:	8 Hrs.
Parameter Required	:	As Per Work Order

S.No.	Test Parameters	Protocol	Results	Unit	Limits
1	Total Dust (SPM)	IS 5182	0.75	mg/m3	2

End of Report

DINESH PALSANIYA
(Checked By)
DY. TECHNICAL MANAGER

RAJ KUMAR YADAV
(Authorized Signatory)
G.M. LAB OPERATION

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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

Test Report

Sample Number : VEL/WA/04
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/WZA/2107030004/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Period of Analysis : 03/07/2021-07/07/2021
Receipt Date : 03/07/2021

Sample Description : Work Zone Air

General Information

Sampling Location	:	CPS Godown
Sample Collected by	:	VEL Team
Sampling Equipment used	:	Personal Samplar
Instrument Code	:	VEL/JA/PS/01
Instrument Calibration Status	:	Calibrated
Latitude	:	25°8'17"
Longitude	:	75°53'26"
Meteorological condition during monitoring	:	Clear Sky
Date of Monitoring	:	30/06/2021 To 01/07/2021
Time of Monitoring	:	16.20 to 00.20 Hrs.
Ambient Temperature (°C)	:	Min. 26 Max. 35
Surrounding Activity	:	Human & Plant Activities
Scope of Monitoring	:	Regulatory Requirement
Sampling & Analysis Protocol	:	IS 5182
Sampling Duration	:	8 Hrs.
Parameter Required	:	As Per Work Order

S.No.	Test Parameters	Protocol	Results	Unit	Limits
1	Total Dust (SPM)	IS 5182	0.71	mg/m3	10

End of Report

DINESH PALSANIYA
(Checked By)
DY TECHNICAL MANAGER

RAJ KUMAR YADAV
(Authorized Signatory)
G M LAB OPERATION

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Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/WZA/01	Report No.:	VEL/WZA/2110010001
Name & Address of the Party	M/s DCM Shriram Ltd. Shriram nagar, Kota , Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Report Date:	06/10/2021
Sample Description :	Work Zone Air	Period of Analysis:	01-06/10/2021
		Receipt Date	01/10/2021

General Information:-

Sampling Location	: CPS Godown
Sample collected by	: VEL Team
Sampling Equipment used	: Personal Sampler
Instrument Code	: VEL/PS/01
Instrument Calibration Status	: Calibrated
Latitude	: 25° 8' 17"
Longitude	: 75° 53' 26"
Meteorological condition during monitoring	: Clear sky
Date of Sampling	: 29/09/2021
Time of Sampling	: 09:00 to 17:05
Ambient Temperature (°C)	: Min. 24°C, Max. 33°C
Surrounding Activity	: Human & Plant Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Sampling Duration	: 8 Hrs
Parameter Required	: As Per Work Order

S. No.	Parameter	Test Method	Results	Units	Limit
1.	Total Dust (SPM)	IS: 5182	0.68	mg/m3	2

(Checked By)

(Authorized Signatory)

VEL/E/1/TR/PN5752

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/WZA/02	Report No.:	VEL/WZA/2110010002
Name & Address of the Party	M/s DCM Shriram Ltd. Shriram nagar, Kota , Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Report Date:	06/10/2021
Sample Description :	Work Zone Air	Period of Analysis:	01-06/10/2021
		Receipt Date	01/10/2021

General Information:-

Sampling Location	: 30 MVA Tapping Floor
Sample collected by	: VEL Team
Sampling Equipment used	: Personal Sampler
Instrument Code	: VEL/PS/01
Instrument Calibration Status	: Calibrated
Latitude	: 25° 8' 17"
Longitude	: 75° 53' 26"
Meteorological condition during monitoring	: Clear sky
Date of Sampling	: 28/09/2021
Time of Sampling	: 08:45 to 17:00
Ambient Temperature (°C)	: Min. 24°C, Max. 32°C
Surrounding Activity	: Human & Plant Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Sampling Duration	: 8 Hrs
Parameter Required	: As Per Work Order

S. No.	Parameter	Test Method	Results	Units	Limit
1.	Total Dust (SPM)	IS: 5182	0.71	mg/m3	2

(Checked By)

(Authorized Signatory)

VEL/E/1/TR/PN5741

Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)

ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/WZA/03	Report No.:	VEL/WZA/2110010003
Name & Address of the Party	M/s DCM Shriram Ltd. Shriram nagar, Kota , Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Report Date:	06/10/2021
Sample Description :	Work Zone Air	Period of Analysis:	01-06/10/2021
		Receipt Date	01/10/2021

General Information:-

Sampling Location	: 12 + 20 MVA Taping Floor
Sample collected by	: VEL Team
Sampling Equipment used	: Personal Sampler
Instrument Code	: VEL/PS/01
Instrument Calibration Status	: Calibrated
Latitude	: 25° 8' 17"
Longitude	: 75° 53' 26"
Meteorological condition during monitoring	: Clear sky
Date of Sampling	: 28/09/2021
Time of Sampling	: 2:15 a.m. to 10:20 a.m
Ambient Temperature (°C)	: Min. 24°C, Max. 32°C
Surrounding Activity	: Human & Plant Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Sampling Duration	: 8 Hrs
Parameter Required	: As Per Work Order

S. No.	Parameter	Test Method	Results	Units	Limit
1.	Total Dust (SPM)	IS: 5182	0.84	mg/m3	2

(Checked By)

(Authorized Signatory)

VEL/E/I/TR/PN5742

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/WZA/04	Report No.:	VEL/WZA/2110010004
Name & Address of the Party	M/s DCM Shriram Ltd. Shriram nagar, Kota , Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Report Date:	06/10/2021
Sample Description :	Work Zone Air	Period of Analysis:	01-06/10/2021
		Receipt Date	01/10/2021

General Information:-

Sampling Location	: PVC Packing Plant
Sample collected by	: VEL Team
Sampling Equipment used	: Personal Sampler
Instrument Code	: VEL/PS/01
Instrument Calibration Status	: Calibrated
Latitude	: 25° 8' 17"
Longitude	: 75° 53' 26"
Meteorological condition during monitoring	: Clear sky
Date of Sampling	: 28/09/2021
Time of Sampling	: 14:00 to 22:00
Ambient Temperature (°C)	: Min. 24°C, Max. 34°C
Surrounding Activity	: Human & Plant Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS-5182 & CPCB Guidelines
Sampling Duration	: 8 Hrs
Parameter Required	: As Per Work Order

S. No.	Parameter	Test Method	Results	Units	Limit
1.	Total Dust (SPM)	IS: 5182	0.81	mg/m3	2

(Checked By)

(Authorized Signatory)

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

TC-6652

Test Report

Sample Number : VEL/AN/01
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/N/2107030002/A
Format No : 7 8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Receipt Date : 03/07/2021
Sampling Duration : 24 Hrs
Sample Collected by : VEL Team
Instrument Calibration Status : Calibrated

Sample Description : Ambient Noise
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989: IS 9876
Instrument Used : SLM

General Information

Sampling Location : Near PVC Plant
Instrument Code : VEL/JAI/SLM/10
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 29/06/2021 To 30/06/2021
Time of Monitoring : 06.00 to 06.00 Hrs.
Ambient Temperature (°C) : Min. 26 Max. 36
Surrounding Activity : Human & Plant Activities
Parameter Required : As Per Work Order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981	65.20	56.20

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.
2. Night Time is reckoned between 10.00 PM to 6.00 AM
3. SilenceZone is defined as an area up to 100m around premises of Hospitals, Educational Institutions and Courts. Use of vehicle horn, loudspeaker and bursting of crackers is banned in these zones

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report

DINESH PALSANIYA
(Checked By)
DY. TECHNICAL MANAGER

RAJKUMAR YADAV
(Authorized Signatory)
G M LAB OPERATION

www.vardan.co.in

Note: Terms & conditions refer on backside of test report.

Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

TC-6652

Test Report

Sample Number : VEL/AN/02
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/N/2107030003/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Receipt Date : 03/07/2021
Sampling Duration : 24 Hrs.
Sample Collected by : VEL Team
Instrument Calibration Status : Calibrated

Sample Description : Ambient Noise
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989: IS 9876
Instrument Used : SLM

General Information

Sampling Location : Near Gail Office
Instrument Code : VEL/JAI/SLM/09
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 29/06/2021 To 30/06/2021
Time of Monitoring : 06.00 to 06.00 Hrs.
Ambient Temperature (°C) : Min. 26 Max. 36
Surrounding Activity : Human & Plant Activities
Parameter Required : As Per Work Order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981	60.42	48.81

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.
2: Night Time is reckoned between 10.00 PM to 6.00 AM
3. SilenceZone is defined as an area up to 100m around premises of Hospitals, Educational Institutions and Courts. Use of vehicle horn, ludspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply.

End of Report

DINESH PALSHIYA
(Checked By) TECHNICAL MANAGER

RAJ KUMAR YADAV
(Authorized Signatory)
G M LAB OPERATION

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Note: Terms & conditions refer on backside of test report.

Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

TC-6652

Test Report

Sample Number : VEL/AN/03
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/N/2107030004/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Receipt Date : 03/07/2021
Sampling Duration : 24 Hrs
Sample Collected by : VEL Team
Instrument Calibration Status : Calibrated

Sample Description : Ambient Noise
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989: IS 9876
Instrument Used : SLM

General Information

Sampling Location : Near Railway Side Power Plant
Instrument Code : VEL/JAI/SLM/09
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 30/06/2021 To 01/07/2021
Time of Monitoring : 06.00 to 06.00 Hrs.
Ambient Temperature (°C) : Min. 24 Max. 35
Surrounding Activity : Human & Plant Activities
Parameter Required : As Per Work Order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981	62.92	51.49

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.
2. Night Time is reckoned between 10.00 PM to 6.00 AM
3. SilenceZone is defined as an area up to 100m around premises of Hospitals, Educational Institutions and Courts. Use of vehicle horn, ludspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report

DINESH PALSANIYA
(Checked By)
DY. TECHNICAL MANAGER

RAJ KUMAR YADAV
(Authorized Signatory)
G M LAB OPERATION

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Note: Terms & conditions refer on backside of test report.

Ph: 0141-2983404, 9810355569, 9953147268 E-mail: Jaipur@vardanenvironet.com

Vardan EnviroLab

Laboratory: Plot No 24 & 25, Narayan Vihar, B-Block, Jaipur(Rajasthan)-302020
MoEF& CC Recognized | ISO 9001 | ISO 45001|

TC-6652

Test Report

Sample Number : VEL/AN/04
Name & Address of the Party : M/S DCM Shriram Ltd.
Shriram nagar Kota Rajasthan

Report No. : VEL/N/2107030005/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 07/07/2021
Receipt Date : 03/07/2021
Sampling Duration : 24 Hrs.
Sample Collected by : VEL Team
Instrument Calibration Status : Calibrated

Sample Description : Ambient Noise
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989: IS 9876
Instrument Used : SLM

General Information

Sampling Location : Material Gate
Instrument Code : VEL/JAI/SLM/10
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 30/06/2021 To 01/07/2021
Time of Monitoring : 06.00 to 06.00 Hrs.
Ambient Temperature (°C) : Min. 24 Max. 35
Surrounding Activity : Human & Plant Activities
Parameter Required : As Per Work Order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981	61.66	49.28

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.
2. Night Time is reckoned between 10.00 PM to 6.00 AM
3. SilenceZone is defined as an area up to 100m around premises of Hospitals, Educational Institutions and Courts. Use of vehicle horn, ludspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report

DINESH PALSANIYA
(Checked By)
DY. TECHNICAL MANAGER

RAJ KUMAR YADAV
(Authorized Signatory)
G.M. LAB OPERATION

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Note: Terms & conditions refer on backside of test report.

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Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/AN/01	Report No.:	VEL/N/2110010001
Name & Address of the Party:	M/s DCM Shriram Ltd Shriram Nagar, Kota, Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Reporting Date:	06/10/2021
Sample Description:	Ambient Noise Level Monitoring	Receipt Date:	01/10/2021
Scope of Monitoring	Regulatory Requirement	Sampling Duration	24 Hrs
Protocol Used:	IS 9989: IS 9876	Sample Collected by	VEL Team
Instrument Used	SLM	Instrument Calibration Status	Calibrated

General Information:-

Sampling Location	: Near PVC Plant
Instrument Code	: VEL/SLM/03
Meteorological condition during monitoring	: Clear sky
Date of Monitoring	: 28/09/2021 to 29/09/2021
Time of Monitoring	: 6:00 a.m. to 6:00 a.m
Ambient Temperature (^{0}C)	: Min 24°C, Max 32 °C
Surrounding Activity	: Human, Vehicular &Other Activities
Parameter Required	: As per Work Order

Sr.No.	Test Parameter	Protocol	Test Result dB(A)	
			Day Time	Night Time
1.	Leq	IS:9989,IS9876:1981	66.25	54.52

Category of Zones	Leq in dB (A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.
2. Night Time is reckoned between 10.00 PM to 6.00 AM.
3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle hor Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

(Checked By)

(Authorized Signatory)

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/AN/02	Report No.:	VEL/N/2110010002
Name & Address of the Party:	M/s DCM Shriram Ltd Shriram Nagar, Kota, Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Reporting Date:	06/10/2021
Sample Description:	Ambient Noise Level Monitoring	Receipt Date:	01/10/2021
Scope of Monitoring	Regulatory Requirement	Sampling Duration	24 Hrs
Protocol Used:	IS 9989: IS 9876	Sample Collected by	VEL Team
Instrument Used	SLM	Instrument Calibration Status	Calibrated

General Information:-

Sampling Location	: Near Gail Office
Instrument Code	: VEL/SLM/07
Meteorological condition during monitoring	: Clear sky
Date of Monitoring	: 28/09/2021 to 29/09/2021
Time of Monitoring	: 6:00 a.m. to 6:00 a.m
Ambient Temperature (^{0}C)	: Min 24°C, Max 35 °C
Surrounding Activity	: Human, Vehicular &Other Activities
Parameter Required	: As per Work Order

Sr.No.	Test Parameter	Protocol	Test Result dB(A)	
			Day Time	Night Time
2.	Leq	IS:9989,IS9876:1981	62.12	47.67

Category of Zones	Leq in dB (A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

4. Day Time is from 6.00 AM to 10.00 PM.
5. Night Time is reckoned between 10.00 PM to 6.00 AM.
6. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle hor Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

(Checked By)

(Authorized Signatory)

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/AN/03	Report No.:	VEL/N/2110010003
Name & Address of the Party:	M/s DCM Shriram Ltd Shriram Nagar, Kota, Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Reporting Date:	06/10/2021
Sample Description:	Ambient Noise Level Monitoring	Receipt Date:	01/10/2021
Scope of Monitoring	Regulatory Requirement	Sampling Duration	24 Hrs
Protocol Used:	IS 9989: IS 9876	Sample Collected by	VEL Team
Instrument Used	SLM	Instrument Calibration Status	Calibrated

General Information:-

Sampling Location	: Near Railway Side Power Plant
Instrument Code	: VEL/SLM/03
Meteorological condition during monitoring	: Clear sky
Date of Monitoring	: 29/09/2021 to 30/09/2021
Time of Monitoring	: 6:00 a.m. to 6:00 a.m
Ambient Temperature (°C)	: Min 25°C, Max 32 °C
Surrounding Activity	: Human, Vehicular &Other Activities
Parameter Required	: As per Work Order

Sr.No.	Test Parameter	Protocol	Test Result dB(A)	
			Day Time	Night Time
3.	Leq	IS:9989,IS9876:1981	61.24	52.14

Category of Zones	Leq in dB (A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

7. Day Time is from 6.00 AM to 10.00 PM.
8. Night Time is reckoned between 10.00 PM to 6.00 AM.
9. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle hor Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

(Checked By)

(Authorized Signatory)

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/AN/04	Report No.:	VEL/N/2110010004
Name & Address of the Party:	M/s DCM Shriram Ltd Shriram Nagar, Kota, Rajasthan	Format No.:	7.8 F 01
		Party Reference No.:	NIL
		Reporting Date:	06/10/2021
Sample Description:	Ambient Noise Level Monitoring	Receipt Date:	01/10/2021
Scope of Monitoring	Regulatory Requirement	Sampling Duration	24 Hrs
Protocol Used:	IS 9989: IS 9876	Sample Collected by	VEL Team
Instrument Used	SLM	Instrument Calibration Status	Calibrated

General Information:-

Sampling Location	: Material Gate
Instrument Code	: VEL/SLM/07
Meteorological condition during monitoring	: Clear sky
Date of Monitoring	: 29/09/2021 to 30/09/2021
Time of Monitoring	: 6:00 a.m. to 6:00 a.m
Ambient Temperature (^{0}C)	: Min 25°C, Max 32 °C
Surrounding Activity	: Human, Vehicular &Other Activities
Parameter Required	: As per Work Order

Sr.No.	Test Parameter	Protocol	Test Result dB(A)	
			Day Time	Night Time
4.	Leq	IS:9989,IS9876:1981	60.58	48.78

Category of Zones	Leq in dB (A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

10. Day Time is from 6.00 AM to 10.00 PM.
11. Night Time is reckoned between 10.00 PM to 6.00 AM.
12. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle hor Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

(Checked By)

(Authorized Signatory)

Monthy Summary-Online Effluent Monitoring

Site : DCM Shriram Ltd. : Kota

Period : 01.04.2021 : 00:00 hrs to 30.09.2021 : 23:45 hrs

Time	ETP_1_Outlet-pH	ETP_1_Outlet-TSS	ETP_1_Outlet-NH4N	ETP_1_Outlet-Water_Temperature	ETP_1_Outlet-Flow
Month/Unit	**-**	**mg/l**	**mg/l**	**mg/l**	**KLD**
April-21	6.96	14.07	6.89	30.21	1679.34
May-21	7.40	12.83	6.25	30.78	1443.90
June-21	7.66	8.12	3.81	31.41	1618.74
July-21	7.60	6.28	2.88	29.13	1736.22
August-21	7.62	5.66	2.59	28.8	1528.96
September-21	7.18	4.80	2.12	30.48	1200.28
Prescribed Norms	**5.5-9.0**	**0-100**	**0-50**	**0-40**	**0-8123**

OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS & CHIEF WILDLIFE WARDEN RAJASTHAN, JAIPUR

No: F ( )WLC/CWLW/2019 /8567 Dated: 03/12/2020

To,

DCM SHRIRAM LTD,
Shriram Nager Kota,
Pin:-324004, Rajasthan.

Subject: Final sanction for proposal no. FP/RJ/IND/1782/2017 for All units of DCM Shriram, Kota Complex at Shriram Nagar Industrial Area, Kota, Rajasthan.

Ref: Minutes of 53th meeting of SC-NBWL held on 25-02-2019 issued vide letter F.No. 6-30/2019 WL dated: 25-03-2019 and 59th meeting on 05-10-2020 issued vide letter F.No. 6-101/2020 WL dated: 19-10-2020 respectively.

Sir,

With reference to the above mentioned subject, SC-NBWL in its 53th meeting of SC-NBWL held on 25-02-2019 issued vide letter F.No. 6-30/2019 WL dated: 25-03-2019 and 59th meeting on 05-10-2020 issued vide letter F.No. 6-101/2020 WL dated: 19-10-2020 respectively for All units of DCM Shriram, Kota Complex at Shriram Nagar Industrial Area, Kota, Rajasthan.

In pursuance of the same, Chief Wildlife Warden, granted in-principle approval for the project vide letter no. 7133 dated: 13-08-2019 subject to compliance of conditions and mitigative measures imposed by State Board of Wildlife, National Tiger Conservation Authority and SC-NBWL.

In compliance of the conditions mentioned in the in-principle approval, user agency has deposited 2% of the project cost i.e. an amount of Rs 4.023 Cr. (Rs 3.70 Cr. + 32.30 lacs) in RPACS account along with undertaking for compliance of the remaining conditions, which have been certified by Deputy Conservator of Forests (Wildlife) MNP Kota vide his letter no. 9290 dated 04-11-2020. The same has been forwarded by Chief Conservator of Forests (Wildlife), MHTR &FD Kota vide his letter no. 3084 dated 10.11.2020.

The Chief Wildlife Warden, Rajasthan, hereby accords final sanction under Section 29 of the Wildlife Protection Act, 1972, subject to compliance of:-

1. All conditions as listed in the in-principle approval letter no. 7133 dated 13.08.2019, and other directions issued from time to time;
2. Submission of satisfactory annual compliance report;
3. Documents providing final project cost by User Agency;
4. In case of cost overrun, the balance amount of 2% of project cost may be deposited by User Agency in RPACS account;

In case, it is found that any of the conditions imposed by the various agencies as part of wildlife clearance have not been complied with, this permission shall be liable to be cancelled.

The issue of this sanction does not bar any proceedings against the User Agency under any other relevant Act, rules, guidelines, court judgments etc. for any other issues.

(Arijit Banerjee)
Chief Wildlife Warden, Rajasthan, Jaipur

No: F ( )WLC/CWLW/2019 Dated:

Copy forwarded to the following for necessary monitoring and compliance:

1. Additional Director General of Forests (Wildlife),MOEF&CC, New Delhi
2. Secretary, Department of Mines, Jaipur
3. Chairman, RSPCB, Jaipur
4. Secretary, Department of Forests, Jaipur
5. Secretary, Environment department, Jaipur
6. Dr. Pasupala Ravi, Scientist C, Ministry of Environment, Forest and Climate Change (Wildlife Division), Government of India
7. Chief Conservator of Forests (Wildlife), MHTR & FD Kota for information and ensuring compliance of the conditions as per the undertaking given by the User Agency.
8. Deputy Conservator of Forests (WL), MNP Kota.

(Arijit Banerjee)
Chief Wildlife Warden, Rajasthan, Jaipur