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ASD - RKC J.V.

VILLAGE - KHERI BATTAR, TEHSIL - CHARKHI DADRI, DISTT. - BHIWANI (HR.)

Ref.

Date : _____

Date: 14 April, 2021

To

The Director, Ministry of Environment, Forests & Climate Change,
Northern Regional Office,
Sector-31, Dakshin Marg,
Chandigarh-160030

Sub: Submission of Six Monthly Compliance Report of Stipulated Conditions of Environment Clearance for proposed stone along with associates Minor Minerals at Kheribattar plot -2 over an area 42.0 Ha tehsil- Dadri District- Bhiwani, Haryana for Submission period of June 2021.

Ref. No. 1. SEIAA/HR/2016/875 dated: 04.10.2016
2. 13-27/2016(ENV)/413 dated: 02.12.2019

Sir,

In accordance to the EC letter as above stated received from State Environment Impact Assessment Authority (SEIAA) vide letter **SEIAA/HR/2016/875 dated: 04.10.2016**. We are submitting herewith six monthly compliance report of stipulated conditions of Environment Clearance (Soft only) along with laboratory analysis results the specific and general conditions and relevant annexure. We fully assure you that we will comply with all conditions as specified in the Environment clearance granted us.

For M/s ASD RKC JV.

Authorised Signatory,

Name Sanjeev Singh
Designation- Business Head
E-mail singh_sanjiv@rediffmail.com
Contact No.- +91 9833080030



Copy to:

1. State Environment Impact Assessment Authority (SEIAA), Bay No. 55-58, Paryatan Bhavan, Sector-2, Panchkula, Haryana.
2. The Chairmen, Haryana State Pollution Control Board (HSPCB), Sector-6, Panchkula

**SIX MONTHLY ENVIRONMENTAL COMPLIANCE MONITORING REPORT OF
STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE
(Period-October 2020 to March 2021)**

FOR

**“Stone along with Associated Minor Minerals at Kheribattar Plot-2,
Teshsil-Dadri, District-Bhiwani,
Haryana.**

SUBMITTED BY:

M/s ASD RKC J.V.

40, Laxmi Nagar, Near Sub City Centre,

HiranMagri, Sector-8, Udaipur,

Rajasthan-313002

INDEX

	Description	Page No.
Chapter-1	Purpose of the Project	
1.1	Introduction	1
1.2	Purpose of the Report	1
1.3	Methodology for Preparation of Report	2
1.4	Generic Structure of Report	2
Chapter-2	Adherence to Specific and General Conditions	
Part-A	Specific Conditions	3-8
Part-B	General Conditions	8-10
Chapter 3	Details of Environmental Monitoring	
3.1	Monitoring Portfolio	11
3.2	Ambient Air Quality Monitoring	11
3.2.1	Ambient Air Quality Monitoring Stations	11-12
3.2.2	Ambient Air Quality Monitoring Methodology	12
3.2.3	Ambient Air Quality Monitoring Results	13-14
3.2.4	Discussion on Ambient Air Quality in the Study Area	14
3.3	Ambient Noise Monitoring	15
3.3.1	Ambient Noise Monitoring Locations	15
3.3.2	Methodology of Noise Monitoring	15
3.3.3	Ambient Noise Monitoring Results	15-16
3.3.4	Discussion on Ambient Noise Levels in the Study Area	16
3.4	Water Quality Monitoring	17
3.4.1	Ground Water Quality Monitoring Locations	17
3.4.2	Methodology of Ground water Quality Monitoring	17
3.4.3	Ground Water Quality Monitoring Results	18-21
3.4.4	Discussion on Ground water Quality in the Study Area	22
3.4.5	Ground Water Level in and around the mine site	22
3.5	Soil Monitoring	23
3.5.1	Soil Monitoring Locations	23
3.5.2	Methodology of Soil Monitoring	23
3.5.3	Soil Monitoring Results	24-25
3.5.4	Discussion on Soil Characteristics in the Study Area	25
3.6	Site Photograph	26-33
Figures		
3.1	Graphical representation of particulate pollutants	13
3.2	Graphical representation of gaseous pollutants	14
3.3	Graphical presentation of Ambient Noise Levels	16
Annexure		
1.	Environment Clearance	
2.	CTO	
3.	Mining Plan	
4.	Lab Report	
5.	Submission Receipt of last compliance report	
6.	Forest NOC	

1

INTRODUCTION

1.1 About the Project

M/s ASD RKC J.V. has obtained the Environmental Clearance Letter from State Environment Impact Assessment Authority, Haryana for the Mining of "Stone along with Associated Minor Minerals" at Kheribattar Plot-2, over an area of 42.0 Ha. in Tehsil-Dadri, District-Bhiwani, Haryana Vide Ref. No. SEIAA/HR/2016/875 on dated: 04.10.2016.

The Total area of the mining site is 42.0 Ha. The total cost of the project is 4.23 Crores. The approval for the mining scheme and progressive mine closure plan was obtained from the Department of Mines & Geology, Haryana vide letter no. DMG/HY/MP/Kheribattar-2/2015/478-481 dated 12.01.2016.

1.2 Purpose of the Report

As per the "Sub Para (j)" of "Para 10" of EIA Notification 2006, it is stated that "It shall be mandatory for the project management to submit six monthly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year" and as per compliance of condition mentioned in Environment Clearance Letter (i.e. Part B General Condition, point number IX), Six monthly compliance reports should be submitted to the Regulatory Authority of Central and State Government.

It is mandatory to submit a Six Monthly Compliance Report to show the status & compliance of all the Conditions mentioned in Environment clearance Letter, along with monitoring of various Environmental Parameters (as per CPCB Norms).

The regulatory authorities in this case are MoEF & CC, Delhi, MoEF & CC, Chandigarh and HSPCB, Panchkula. Various scheduled Site Visits were conducted by a team of Experts to Monitor Pollution related parameters as defined by CPCB / HSPCB. Samples for water and soil were also collected for further analysis.

Based on the Specific and General Conditions mentioned in the EC Letter, a Compliance Report was prepared on behalf of Project Proponent; details of which are present in Chapter - 2 entitled "**Adherence of specific and general conditions**".

This report is supposed to submit after every six month as per the conditions stipulated in Environment Clearance Letter. The Environmental assessment has been carried out to verify:

- 1) That the proposed project has not any adverse effect on the project site as well as its surrounding.
- 2) That there is compliance with the conditions stipulated in the Environmental Clearance Letter.
- 3) That the Project proponent is implementing the environmental safeguards and environmental pollution mitigative measures as suggested in approved Mining Plan, Form-1 and Environmental Management Plan.
- 4) The non conformity in the project with respect to the environmental implication of the project.

1.3 Methodology for Preparation of Report is as follows:

- 1) Study of EC Letter & Related Documents,
- 2) Site Visits by a Team of Experts,
- 3) Monitoring of Environment Parameters, viz. Ambient Air, Water, Noise, Soil & DG stack emissions,
- 4) Analysis of Samples collected during Monitoring,
- 5) Interpretation of Monitoring Results,
- 6) Preparation of six monthly Environmental Compliance Report.

1.4 Generic Structure of Report:

1. Purpose of the Report, explaining the need of a Compliance Report and Methodology Adopted for preparation of Report .
2. Compliance Report, explaining the entire specific & general conditions given in the EC Letter and providing details w.r.t. each condition/ guideline.
3. Monitoring Reports & Analysis, showing the level of pollution/emission within the project site for various Environment Parameters.
4. Photographs showing status of the project and sampling/monitoring of environmental parameters.
5. Supporting Documents related mandatory for the project.

2

ADHERENCE OF SPECIFIC AND GENERAL CONDITIONS

Part A: Specific Conditions

S. No.	Specific Conditions	Reply																		
1.	<p>This Environmental Clearance is granted for Production of Stone along with Associated Minerals as per below mentioned figures.</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Bench mRL</th> <th>Production</th> </tr> </thead> <tbody> <tr> <td>First</td> <td>381, 372, 363, 354, 336, 327</td> <td>70 lakh MT</td> </tr> <tr> <td>Second</td> <td>327, 318, 309, 300</td> <td>70 lakh MT</td> </tr> <tr> <td>Third</td> <td>300, 291, 282</td> <td>75 lakh MT</td> </tr> <tr> <td>Fourth</td> <td>282 & 273</td> <td>80 lakh MT</td> </tr> <tr> <td>Fifth</td> <td>264 & 255</td> <td>81.66 lakh MT</td> </tr> </tbody> </table>	Year	Bench mRL	Production	First	381, 372, 363, 354, 336, 327	70 lakh MT	Second	327, 318, 309, 300	70 lakh MT	Third	300, 291, 282	75 lakh MT	Fourth	282 & 273	80 lakh MT	Fifth	264 & 255	81.66 lakh MT	<p>Agreed. Environmental Clearance was granted in favour of M/s ASD RKC J.V. for proposed Mining of Stone along with Associated Minor Minerals at Kheribattar Plot-2, Tehsil-Dadri, District-Bhiwani, Haryana by SEIAA vide letter no. SEIAA/HR/2016/875 dated 04.10.2016. Copy of EC is enclosed as Annexure- 1.</p>
Year	Bench mRL	Production																		
First	381, 372, 363, 354, 336, 327	70 lakh MT																		
Second	327, 318, 309, 300	70 lakh MT																		
Third	300, 291, 282	75 lakh MT																		
Fourth	282 & 273	80 lakh MT																		
Fifth	264 & 255	81.66 lakh MT																		
2.	<p>The project proponent shall obtain prior CTO under Air Act and Water Act from HSPCB and effectively implement all the conditions stipulated by the HSPCB.</p>	<p>The project proponent has obtained CTO from State Pollution Control Board, Haryana. The letter number of the CTO is 313100419BHICTO7018846 dated-05.12.2019 and valid up to-30.09.2021. Copy of the same is enclosed as Annexure- 2.</p>																		
3.	<p>The project proponent shall carry out mining activity strictly as per the approved Mining plan.</p>	<p>Mining activity is being carrying out strictly as per the approved Mining Plan. Vide letter no. DMG/HY/MP/Kheribattar-2/2015/478-481 dated - 12.01.2016. Copy of the same is enclosed as Annexure- 3.</p>																		
4.	<p>The project proponent shall ensure that the mining operations shall not intersect groundwater table and the mining operation should be restricted at least 3 meter above the ground water table.</p>	<p>Agreed. Mining Activity is being done as per approved mining plan Vide letter no. DMG/HY/MP/Kheribattar-2/2015/478-481 dated -12.01.2016 and mining operation will not intercede ground water and mining will be restricted at least 3m above GWT. Copy of the same is enclosed as Annexure- 3.</p>																		
5.	<p>Topsoil shall be stacked temporarily at earmarked sites only and it shall not be kept unutilized for a period more than three years; it shall be used for land reclamation and plantation in mining out areas.</p>	<p>Agreed and Complied. All the top soil is being used in the plantation. The top soil occur in the form of patches with thickness of 0.5m is being be removed by dozer and is being transported to soil stack yard at the statutory barrier of 6m of the lease area. As per the year wise development plan. Mining Plan is attached as Annexure- 3.</p>																		
6.	<p>The project proponent shall ensure that no natural water course/water body shall be obstructed due to any mining operations.</p>	<p>Agreed. Mining Activity is being done as per approved mine plan & No natural water course/water body shall be obstructed due to any mining operations. Mining Plan is attached as Annexure- 3.</p>																		
7.	<p>The over burden generated shall be stacked at earmarked dump site (s) only and it shall not be kept active for long period of time. The maximum</p>	<p>Agreed. Mining Activity is being done as per approved mining plan Vide letter no. DMG/HY/MP/Kheribattar-2/2015/478-481</p>																		

**M/s ASD RKC J.V. Project: Environmental Clearance for Proposed Stone along with Associated Minor Minerals
at Kheribattar Plot-2, Tehsil- Dadri, District-Bhiwani, Haryana.
EC No. SEIAA/HR/2016/875 Dated-04.10.2016**

	height of the already existing waste dumps shall not exceed 5 meter in single terraces and the slope angle shall not exceed 28° as per norms.	dated -12.01.2016.
8.	The dumping site selected and proposed shall be used for OB dump at the designated site within the lease area as per the approved mine plan. In no case the overburden should be dumped outside the lease area.	Agreed and complied. OB dump is designated at site as per approved mining plan. Mining Plan is attached as Annexure- 3.
9.	The benches height and slope shall be maintained as per approved mining plan.	Agreed. The bench height is being maintained as per approved mining plan. Mining Plan is attached as Annexure- 3.
10.	Waste dump shall be terraced. The height of the dump and its slope shall not exceed as suggested in the approved mining plan. A retaining wall shall be constructed at the toe of the dump.	Agreed. Mining is being done as per Approved mining plan. Mining Plan is attached as Annexure- 3.
11.	Garland drains shall be constructed to prevent the flow of the water in the dumps.	Agreed. Garland drains has been constructed to prevent water flow as per approved mining plan. Photograph is attached.
12.	Check dams shall be constructed in the seasonal rivulets to prevent the flow of fines to low lying areas during rains.	Check dams have been constructed in the seasonal rivulets to prevent the flow of fines in the low lying area during rainy season.
13.	The total waste generated in the present plan period shall be as envisaged, which shall be accommodated in old dumpsite in addition to the waste already dumped. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to HSPCB and MOEF Zonal Office, Chandigarh on six monthly bases.	Agreed & complied. There is no waste generation for present plan period. Monitoring of Pollution level is being check regularly. (Lab reports are enclosed as Annexure- 4.) We are regularly submitting Compliance status report to HSPCB and MoEF Zonal Office, Chandigarh on Six monthly bases. Submission receipt of last compliance report is attached as Annexure- 5.
14.	Drills shall either be operated with dust extractors or equipped with water injection system.	Agreed and complied. Drilling is being carried out as per approved mining plan. Mining Plan is attached as Annexure- 3.
15.	The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slop of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.	Agreed. The higher benches of mining pit are terraced and plantation is being done to stabilize the slope. Mining Plan is attached as Annexure- 3. Peripheral fencing has been carried out along the excavated area.
16.	Catch drains and siltation ponds of appropriate size shall be constructed for size shall be constructed for the working pit. OB dumps and mineral dumps to arrest flow of silt and sediment. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted, particularly after monsoon and maintained properly.	Agreed. Catch drains of appropriate size are constructed to arrest flow of silt and sediment. The collected water is being utilizing for watering the mine area, roads, green belt development etc. The drains are being maintained regularly. Mining Activity is being done as per approved mining plan. Mining Plan is attached as Annexure-3.
17.	Garland drains; setting tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps and sump capacity shall be constructed designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area	Agreed. Garland drains; setting tanks and check dams have been constructed of appropriate size and gradient around the mine pit & dump. Mining Plan is attached as Annexure-3.

M/s ASD RKC J.V. Project: Environmental Clearance for Proposed Stone along with Associated Minor Minerals at Kheribattar Plot-2, Tehsil- Dadri, District-Bhiwani, Haryana.
EC No. SEIAA/HR/2016/875 Dated-04.10.2016

	adjoining the mine site. Sump capacity shall also provide adequate pits shall be constructed at the corners of the garland drains and de-silted.	
18.	Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.	Noted & Agreed.
19.	Green belt should be developed as per the proposed plantation as given in the proposal. Plantation should be carried out in phased manner. The green belt should be developed in the safety zone around the mining lease by planting the native species around ML area, OB dumps, backfield and reclaimed around water body, road etc. in consultation with the local DFO/Agriculture Department.	Agreed. The Plantation has been done as per approved mining plan in consultation with local DFO/Agriculture Department. Photograph is attached.
20.	Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. The project proponent shall adopt water curtain technology to suppress the RPM as per the assurance given. It shall be ensured that the Ambient Air Quality Parameters conform to the norms prescribed by the CPCB.	Agreed. Regularly water sprinkling is being done on main haulage roads and loading and unloading areas with water tankers fitted sprinklers. Photograph of water sprinkling is enclosed. Ambient Air quality reports are attached as Annexure- 4 .
21.	The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	Agreed. Ground water level & quality is being checked regularly. Lab reports are attached as Annexure- 4 .
22.	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease. The monitoring shall be carried out four times in a year pre-monsoon (April-May), monsoon (August), post monsoon (November); winter (January) and the data thus collected may be sent regularly to MOEF Regional Office, Chandigarh and Regional Director CGWB.	Regular monitoring of ground water level and ground water quality has been carried out in and around the mine lease. Lab reports are attached as Annexure- 4 . Ground water Level data in and around the mine area for Post monsoon (November) and Winter (January) are given in Table 3.11 of the chapter-3 .
23.	Data on ambient air quality and stack emissions shall be submitted to Haryana Pollution Control Board once in six months carried out by MOEF/NABL/CPCB/Government approved lab.	Agreed. The lease holder has engaged an NABL accredited Laboratory to conduct Monitoring and the reports being submitted to Haryana Pollution Control Board once in six months. Lab reports are attached as Annexure- 4 .
24.	Vehicular emission shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded. The project proponent shall ensure that the vehicle must have pollution under control certificate.	Agreed. PUC certificate for all the vehicles has been obtained from authorized centers. During transportation all the haulage roads including the main ramp from the mines pit will be kept wide, leveled, compacted and properly maintained and watered regularly during the operation to prevent generation of dust due to movement of trucks dumpers and other vehicles.
25.	Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigation measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented.	Blasting is being conducted during day time as per the approved mining scheme as well as DGMS guidelines. The mitigation measures to reduce the impact due to blasting are as follows:

**M/s ASD RKC J.V. Project: Environmental Clearance for Proposed Stone along with Associated Minor Minerals
at Kheribattar Plot-2, Tehsil- Dadri, District-Bhiwani, Haryana.
EC No. SEIAA/HR/2016/875 Dated-04.10.2016**

		<ul style="list-style-type: none"> ➤ Silencer in the machineries is being provided to reduce generation of noise. ➤ Drilling with sharp edges bits will minimize generation of noise. ➤ Control blasting is being done with proper charge of explosive to minimize noise during blasting. ➤ Regular Noise monitoring is being conducted regularly at the project site. (Lab report attached as Annexure- 4).
26.	<p>The blasting operation will be carried out as per the norms of Director (Mines & Safety), Ghaziabad. Take all safety measures as per the various mining regulations.</p>	<p>Agreed. Blasting is being conducted in day time as per the norms of Director (Mines & Safety), Ghaziabad. The safety measures to reduce the impact due to blasting are as follows:</p> <ul style="list-style-type: none"> ➤ The position of every deep-hole to be drilled is being distinctly marked by the foreman so as to be readily seen by the drillers. ➤ No drilling has commenced in an area, where shot have been fired, until the blaster has made through examination at all places. ➤ Shots shall not be fired except during working hours of day-light. ➤ Siren has blown over the entire area falling within the radius of 500m from the place of firing. ➤ Two persons posted, one in either direction at the two extreme points of the road lying within the danger zone. ➤ The number of detonators issued to, and in the position of a blaster during his shift shall not exceed the maximum number of shots that's he is permitted to fire. ➤ Shot firing tools such as electric lamp or torch, a tool made entirely of wood suitable for charging and stemming. A scraper made of brass or wood, a knife for cutting off fuses, crimpers, picker shall be provided by the owner.
27.	<p>The project proponent shall take all precautionary measures during mining operations for conservations and protection of endangered fauna. If any, spotted in the study area. A plan for conservation shall be drawn and approved by the State Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the wildlife conservation plan so prepared specific to the project site shall be effectively implemented. A copy of action plan may be submitted to the HSPCB and MOEF, Regional Office, Chandigarh within 3 months.</p>	<p>Agreed. NOC of Forest has been taken from Forest Department and Letter number is 1938 date-03.11.2015. Copy of the same is enclosed as Annexure- 6.</p>
28.	<p>As envisaged, the Project Proponent shall invest at least an amount of Rs. 54 lakh as cost for implementing various environmental protection measures including recurring expense per year.</p>	<p>The total cost of project is 4.23 Crores. The project proponent will invest amount of Rs. 54 lakh as cost for implementing various environmental protection measures including recurring expenses per year.</p>

M/s ASD RKC J.V. Project: Environmental Clearance for Proposed Stone along with Associated Minor Minerals at Kheribattar Plot-2, Tehsil- Dadri, District-Bhiwani, Haryana.

EC No. SEIAA/HR/2016/875 Dated-04.10.2016

29. A sum of Rs. 24.5 lakh shall be earmarked by the Project Proponent for investment as CSR on socio economic up-liftment activities of the area particularly in the area of habitat, health or education, training programme of rural women & man provide the kit for employment generation. The proposal should contain provision for monthly medical camps, distributions of medicines and improvement in educational facilities in the nearby schools. Details of such activity along with time bound action plan be submitted to HSPCB/SEIAA Haryana before the start of operation.

Agreed.
Budget allocation for CSR Activities is 24.5 Lakh for five years and activity wise CSR Budget is given as below-

S. No.	Description	Year				
		1st	2nd	3rd	4th	5th
1	Health checkup camps in Kheri Battar village, one day duration, once in 3 month, @ 25000	1.0	1.0	1.0	1.0	1.0
2	Sanitations and drinking water facilities in Rajkiya Madhmik Vidyalaya Kheri Battar, including Construction and maintenance of separate toilets for Boys & Girls. (Construction of facilities during 1st year, and their maintenance during subsequent years)	1.5	0.5	0.5	0.5	0.5
3	Sanitations and drinking water facilities in Kheri Battar Village, including Construction and maintenance of separate toilets for Gents & Ladies. (Construction of drinking water facilities during first year, and toilets during 2nd year and their maintenance during subsequent years)	1.5	0.5	0.5	0.5	0.5
4	Scholarship to needy and meritorious students Rajkiya Madhmik Vidyalaya Kheri Battar, through School Authorities.	0.5	0.5	0.5	0.5	0.5
5	Vocational training to persons for income generation - to be undertaken in consultation with Gram Panchayat	1.0	1.0	1.0	1.0	1.0
6	Campaigns for Bet Bachao, Beti Pado Mission in the local and nearby villages.	1.0	1.0	1.0	1.0	1.0
Total		6.5	4.5	4.5	4.5	4.5

Overall CSR cost is Rs. 24.5 Lakh for five years

30. Budgetary provision of Rs. 08 lakh per year earmarked for the labours working in the Mine for all necessary infrastructure facilities such as healthy facility, sanitation facility, fuel for cooking, along with safe drinking water, medical

Agreed.
Housing arrangement has been made for the labour near the site with all amenities. Whereas rest shelter, first aid facility, crèche, soak pit and other basic sanitary facilities have been

**M/s ASD RKC J.V. Project: Environmental Clearance for Proposed Stone along with Associated Minor Minerals at Kheribattar Plot-2, Tehsil- Dadri, District-Bhiwani, Haryana.
EC No. SEIAA/HR/2016/875 Dated-04.10.2016**

	camps and toilets for women, crèche for infants should be made and submitted to HSPCB at the time CTO/SEIAA Haryana. The housing facilities should be provided for mining labours.	developed. All the temporary structure will be removed after the completion of the project. Photographs are enclosed.
31.	A Final Mine Closure Plan along with details of corpus fund shall be submitted to the SEIAA well within the stipulated period as prescribed in the minor mineral concession rules 2012.	A final mine closure plan along with details of corpus fund has already been submitted to the SEIAA well within the stipulated period as prescribed in the minor mineral concession rules 2012.
32.	The water reservoir, which would be created/available during post closure (all pits), shall be provided with suitable benches and fencing to provide the access to the water body and safety.	Noted & Agreed. Post closure water reservoir will be provided with suitable benches and fencing to provide the access to the water body.
33.	The project proponent shall ensure that the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.	Agreed. We ensured that the EC letter as well as the status of compliance of EC condition and the monitoring data are placed on company's website and displayed at the project site.
34.	The project proponent shall ensure that loading in Trucks do not exceed the norms fixed by the Transport Department as per relevant rules.	Agreed. We ensure that loading in Trucks do not exceed the norms fixed by the Transport Department as per relevant rules. PUC Certificate has been taken for all the vehicles.
35.	The project proponent shall ensure approach roads are widened and strengthened as per requirements fixed by PWD and district administration before the start of the work.	Agreed & Complied.
36.	The project proponent shall ensure that all measures are taken simultaneously for safeguard and maintenance of the health of the workers.	As per the provisions, rules and regulations of Mines Act, the management will undertake all the necessary precautions. <ul style="list-style-type: none"> ➤ Sanitary facilities will be provided. ➤ All necessary & statutory first aid and medical facilities will be provided to the workers. Photograph is enclosed. ➤ Preventive measures have been taken for occupational health & safety of workers. ➤ Pre-placement medical examination and periodical medical examination of workers is being conducted such as Hematological Test, Biochemical Test, Urine R/M, Spirometry, Audiometry, Vision test.
37.	The project proponent shall ensure supply of drinking water through RO.	Agreed. The project proponent has supply the RO water for drinking purpose at the mine site.

Part B. General Conditions

S. No.	General Conditions	Reply
i.	Any change in mining technology/scope of working shall not be made without prior approval of the SEIAA.	Agreed.
ii.	Any change in the calendar plan including excavation, quantum of mineral and waste shall not be made.	Agreed. Work is being conducted as per the proposed mine scheme approved by DGM Haryana Vide letter no. DMG/HY/MP/Kheribattar-2/2015/478-481 dated -12.01.2016.

**M/s ASD RKC J.V. Project: Environmental Clearance for Proposed Stone along with Associated Minor Minerals
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EC No. SEIAA/HR/2016/875 Dated-04.10.2016**

		Copy of the same is enclosed as Annexure- 3.
iii.	Periodic monitoring of ambient air quality shall be carried out for PM ₁₀ , PM _{2.5} , SO ₂ and NO _x 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 Haryana State Pollution Control Board (HSPCB). Six monthly reports of the data so collected shall be regularly submitted to the HSPCB/CPCB including the MOEF, Regional Office, and Chandigarh.	Agreed. Periodic monitoring of ambient air quality is being carried out for PM ₁₀ , PM _{2.5} , SO ₂ and NO _x Parameters. Lab reports are enclosed as Annexure- 4.
iv.	Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with earplugs/muffs.	Following mitigation measure will be taken to reduce the noise impact in project site. <ul style="list-style-type: none"> ➤ All scientific blasting is proposed to reduce the vibrations and check noise pollution. An earplug is being provided to the workers. ➤ All the machineries including transport vehicles are properly maintained to minimize generation of noise. ➤ Drilling with sharp edges bits is provided to reduce generation of noise. ➤ Noise source will be isolated. ➤ Dense plantation in mining area is also reducing propagation of noise outside the core zone. (Noise reports are attached as Annexure- 4.)
v.	Waste water (workshop and waste water from the mine) shall be properly collected & treated so as to conform to the standard prescribed under GSR 422 (E) dated 19 th May 1993 and 31 st December 1993 (amended to date). Oil and grease trap shall be installed before discharge.	Noted & Agreed.
vi.	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.	Following mitigation measures has been initiated for the workers who worked at critically dusty area. <ul style="list-style-type: none"> ➤ Sprinkled with water at regular intervals. ➤ Operators and other persons near loading area are using the dust mask. ➤ Scientific Mining has been proposed to minimize the effect of air pollution. ➤ Wet drilling is being practiced. ➤ Health camps are being organized on regular basis.
vii.	Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Agreed. <ul style="list-style-type: none"> ➤ Dust mask is being provided to the workers working in the dust prone areas as additional personal protective equipment's. Photograph is enclosed. ➤ Workers are informed and kept aware about occupational health hazards due to such activities and preventive measures. ➤ Workers health related problem is being properly addressed.
viii.	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the HSPCB and the Regional Office of MOEF located at Chandigarh.	Agreed & Complied. Project Proponent reported Year wise expenditure of Environment protection Measures to the HSPCB and the Regional office of MoEF located at Chandigarh.

**M/s ASD RKC J.V. Project: Environmental Clearance for Proposed Stone along with Associated Minor Minerals
at Kheribattar Plot-2, Tehsil- Dadri, District-Bhiwani, Haryana.
EC No. SEIAA/HR/2016/875 Dated-04.10.2016**

ix.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the northern Regional Office of MOEF, the respective Office of CPCB, HSPCB and SEIAA Haryana.	We are regularly submitting six monthly compliance reports along with monitoring reports to the northern regional office of MoEF&CC, HSPCB and SEIAA Haryana. Submission receipt of last compliance report is attached as Annexure- 5 .
x.	The SEIAA, Haryana reserve the right to add new conditions, modify/annual any of the stipulated conditions and/or to revoke the clearance if implementation of any of the condition stipulated by SEIAA, Haryana or any other component authorities is not satisfactory.	Agreed.
xi.	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed.
xii.	The above conditions will be enforced, inter alia, under the provision of the Water (Prevention & Control of Pollution) Act, 1974 the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act 1991 (all amended till date) and rules made hereunder and also any other orders passed by the Honb'le Supreme Court of India/High Court of Haryana and other Court of law relating to the subject matter.	Agreed.
xiii.	The Project Proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter area available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in tow local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.	Agreed & Complied. Already complied and already published Environmental Clearance conditions on website.
xiv.	All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as may be applicable, by Project Proponent from the competent authority before the start of mining operation.	Agreed.
xv.	That the grant of this EC is issued from the environment 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 National Green Tribunal Act, 2010.	Agreed.

3

DETAILS OF ENVIRONMENTAL MONITORING

3.1 Monitoring Portfolio:

This report is prepared for the period October 2020 to March 2021 as per EC conditions. The samples were analyzed at NABL approved Environmental laboratory. Following environmental components has been monitored and analyzed.

1. Ambient Air Quality
2. Noise Quality
3. Water Quality
4. Soil Quality

3.2 AMBIENT AIR QUALITY MONITORING

3.2.1 Ambient Air Quality Monitoring Stations

Ambient air quality monitoring has been carried out at 6 locations as mentioned below. This will enable to have a comparative analytical understanding about air quality and the changes in the air environment in the study area with respect to the condition prevailing. The locations of the ambient air quality monitoring stations are given in **Table 3.1**.

Table 3.1 Details of Ambient Air Quality Monitoring Stations

S. No.	Location Code	Location Name
1.	AAQ-1	Near Main Office
2.	AAQ-2	100 mtr from mine site
3.	AAQ-3	Haul Road
4.	AAQ-4	Village-Kheribattar
5.	AAQ-5	Loading Area
6.	AAQ-6	Village-Kheribora

AAQ-1: Near Main Office

The sampler was placed near office was free from any obstructions. Surroundings of the sampling site represent Industrial environmental setting.

AAQ-2: 100 mtr from mine site

The sampler was placed 100 mtr. from mine site and was free from any obstructions. Surroundings of the sampling site represent Industrial environmental setting.

AAQ-3: Haul Road

The sampler was placed haul road, for estimate the pollution level due to movement of vehicles.

AAQ-4: Village-Kheribattar

The sampler was placed at Village-Kheribattar, was free from any obstructions. Surroundings of the sampling site represent residential environmental setting.

AAQ-5: Loading Area

The sampler was placed at loading area to estimate the pollution level due to loading activity.

AAQ-6: Village-Kheribora

The sampler was placed at Village-Kheribora, was free from any obstructions. Surroundings of the sampling site represent residential environmental setting.

3.2.2 Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- Particulate Matter 2.5 (PM 2.5)
- Particulate Matter 10 (PM 10)
- Sulphur Dioxide (SO₂)
- Nitrogen Dioxide (NO₂)

The duration of sampling of PM_{2.5}, PM₁₀, SO₂ and NO₂ were 24 hourly continuous sampling per day. The monitoring was conducted for one day at each location. This is to allow a comparison with the National Ambient Air Quality Standards.

The air samples were analyzed as per standard methods specified by Central Pollution Control Board (CPCB) and IS: 5182. The techniques used for ambient air quality monitoring and minimum detectable levels are given in **Table 3.2**.

Fine Particulate Sampler instruments have been used for monitoring Particulate Matter 2.5 (PM_{2.5} i.e. <2.5 microns), and Respirable Dust Sampler was used for sampling Respirable fraction (<10 microns), gaseous pollutants like SO₂, and NO_x.

Table 3.2 Techniques used for Ambient Air Quality Monitoring

S. No.	Parameter	Technique	Technical Protocol
1	Particulate Matter 2.5 (PM _{2.5})	Fine Particulate Sampler, Gravimetric Method	#SOP No. VEL/SOP/01, Section No. SP 63
2	Particulate Matter 10 (PM ₁₀)	Respirable Dust Sampler, with cyclone separator, Gravimetric Method	IS-5182 (Part-23)
3	Sulphur dioxide (SO ₂)	Modified West and Gaeke	IS-5182 (Part- II)
4	Nitrogen Dioxide (NO ₂)	Jacob &Hochheiser	IS-5182 (Part-VI)

#SOP-As per Laboratory Standard Operating Procedure.

3.2.3 Ambient Air Quality Monitoring Results

The detailed on-site monitoring results of PM_{2.5}, PM₁₀, SO₂, NO₂ are presented as **Table 3.3**

Table 3.3 Ambient Air Quality Monitoring Results
(All results are expressed in µg/m³)

S. No.	Parameter	Test Result						NAAQS*
		AAQ1	AAQ2	AAQ3	AAQ4	AAQ5	AAQ6	
1.	Particulate Matter (PM _{2.5}), µg/m ³	50.85	45.87	48.26	43.30	52.45	46.12	60
2.	Particulate Matter (PM ₁₀), µg/m ³	91.45	82.41	87.79	81.78	93.36	84.48	100
3.	Nitrogen Dioxide (NO ₂), µg/m ³	21.47	24.12	21.63	20.66	23.84	22.60	80
4.	Sulphur Dioxide (SO ₂), µg/m ³	11.96	9.23	12.50	8.87	10.52	9.62	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009

Graphical Presentation of location wise variation of Ambient Air Quality

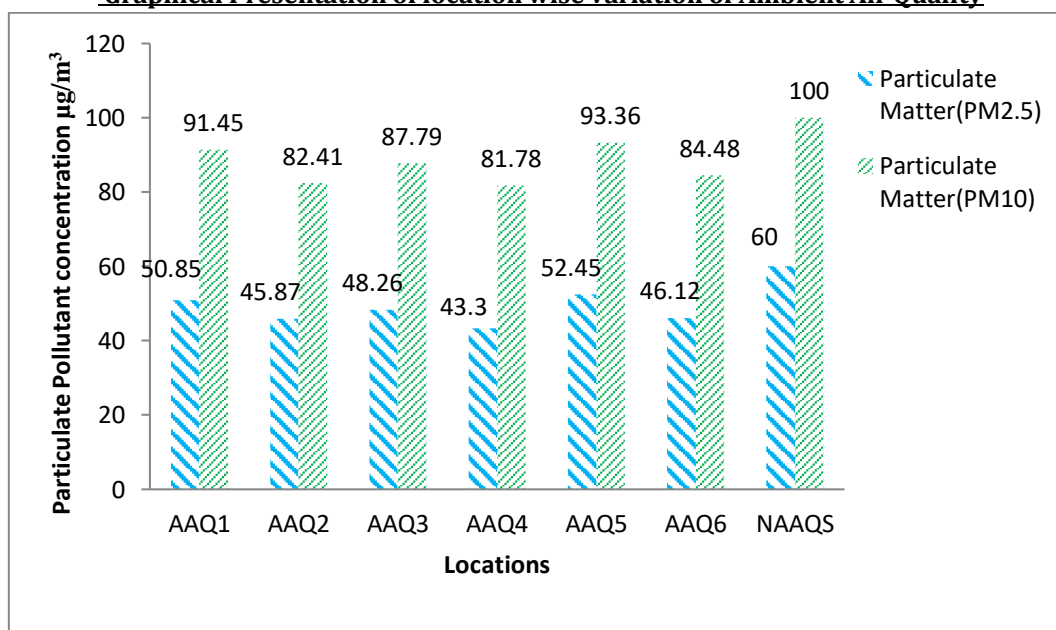


Fig. 3.1 Graphical representation of particulate pollutant

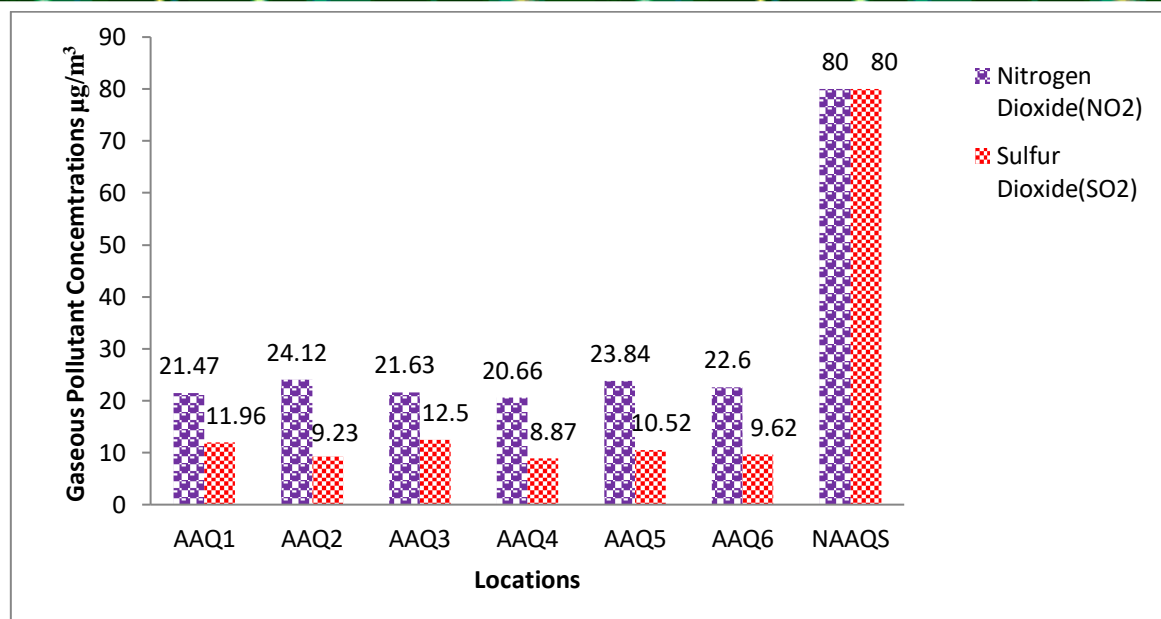


Fig.3.2 Graphical representation of gaseous pollutant

3.2.4 Discussion on Ambient Air Quality in the Study Area

The level of PM_{2.5} and PM₁₀ at all locations was found to be in range of 43.30 to 52.45 µg/m³ and 81.78 to 93.36 µg/m³ respectively. The level of NO₂ and SO₂ at all locations was found to be in range of 20.66 to 24.12 µg/m³ and 8.87 to 12.50 µg/m³ respectively. All the results were found to be well within the prescribed NAAQS limits.

3.3 AMBIENT NOISE MONITORING

3.3.1 Ambient Noise Monitoring Locations

The main objective of noise monitoring in the study area is to assess the present ambient noise levels due to various mining allied activities and increased vehicular movement. A preliminary reconnaissance survey has been undertaken to identify the major noise generating sources in the area. Ambient noise monitoring was conducted at 6 locations near the mining area as given in **Table 3.4**.

Table 3.4 Details of Ambient Noise Monitoring Stations

S. No.	Location Code	Location Name
1	N1	Near main Office
2	N2	100 mtr from mine site
3	N3	Haul Road
4	N4	Village-Kheribattar
5	N5	Loading Area
6	N6	Village-Kheribora

3.3.2 Methodology of Noise Monitoring

Noise levels were measured using sound level meter. Noise level monitoring was carried out continuously for 24-hours. The noise levels were monitored on working days only. During each hour Leq were directly computed by the instrument based on the sound pressure levels. Monitoring was carried out at 'A' response and fast mode.

3.3.3 Ambient Noise Monitoring Results

The location wise ambient noise monitoring results is summarized in **Table 3.5**. Graphical presentation of location wise variation of ambient noise level is shown in **Figure 3.2**

Table 3.5 Location Wise variation of ambient Noise Level

Parameter	Location Code											
	N1		N2		N3		N4		N5		N6	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
Lmax	78.9	69.3	74.8	71.3	71.5	63.7	53.2	49.5	79.7	73.8	51.5	46.2
Lmin	63.5	53.7	62.4	46.4	60.3	51.1	43.4	36.6	64.3	56.4	41.8	38.0
Leq	71.8	64.5	69.7	63.9	65.6	56.6	48.8	41.8	72.9	67.8	46.6	41.2
CPCB Limits in dB(A) Leq	75.0	70.0	75.0	70.0	75.0	70.0	55.0	45.0	75.0	70.0	55.0	45.0

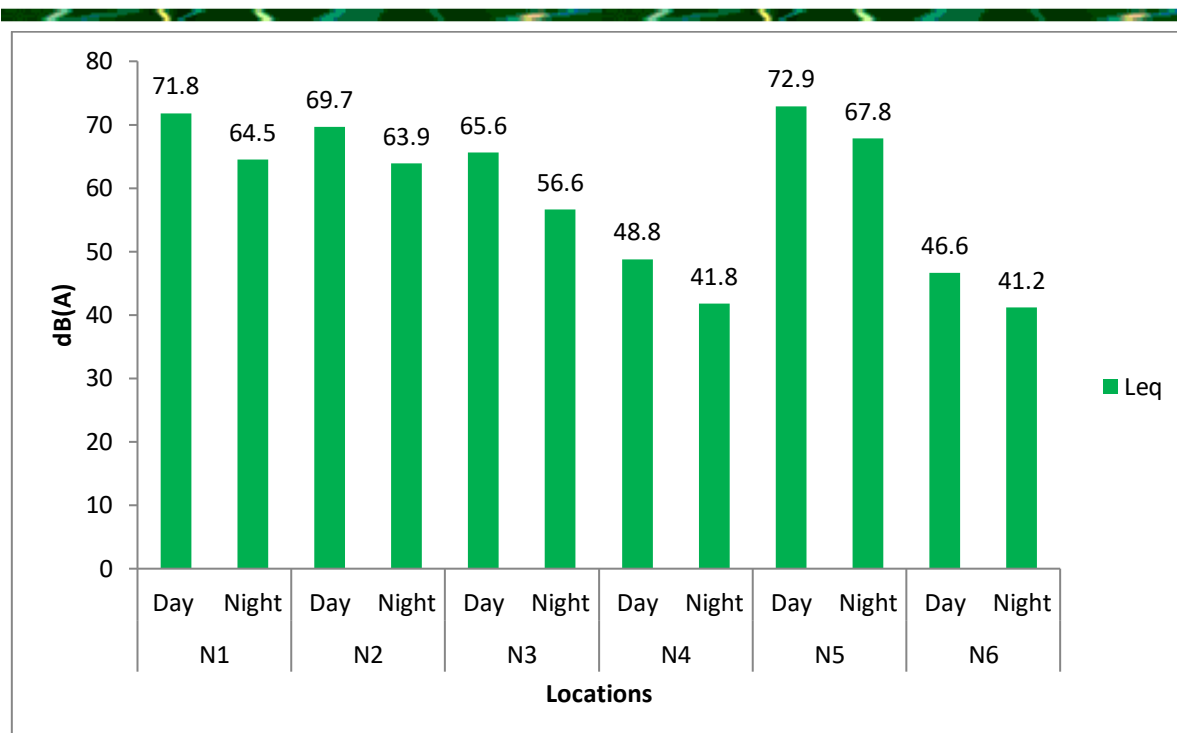


Figure 3.3 Graphical Presentation of Ambient Noise Level

3.3.4 Discussion on Ambient Noise Levels in the Study Area

The Equivalent noise levels for day and night was found to be in range of 46.6 to 72.9 dB (A) and 41.2 to 67.8 dB (A) respectively. The noise levels were well within the permissible limits of NAAQS w.r.t Noise.

3.4 Water Quality Monitoring

3.4.1 Ground Water Quality Monitoring Locations

Keeping in view the importance of water as important source to the local population, sample of ground water was collected from the project site for the assessment of impacts of the project on the water quality.

Water sample was collected from the project site. The samples were analyzed for various parameters to compare with the standards for water as per IS: 10500- 2012. The details of water sampling locations are given in **Table 3.6**.

Table-3.6 Details of Ground Water Quality Monitoring Station

S. No.	Location Code	Location Name/ Description
1.	GW1	Near Project Site (in November 2020 and January 2021)
2.	GW2	Village- Kheribora(in November 2020 and January 2021)

3.4.2 Methodology of Ground Water Quality Monitoring

Sampling of ground water was carried out on November 2020 and January 2021. Samples were collected as grab sample and sampling forms are filled in as per the sampling plan. The preservative sample were properly added to preserve as per standard operating procedures (SOP) and stored immediately in ice boxes, which were ensured for appropriate temperatures. Sample for chemical analysis was collected in polyethylene carboys. Samples collected for metal content were acidified to <2 pH with 1 ml HNO₃. Samples for bacteriological analysis were collected in sterilized glass bottles.

Soon after the completion of sampling, chain of custody sheets for the samples are filled in and then they were transported by road for further analysis. Proper care was taken during packing and transportation of samples. All the samples reached the central laboratory within the holding times for different parameters. After ensuring the same the samples were forwarded immediately for analysis.

The samples were analyzed as per the standard procedures specified in 'Standard Methods for the Examination of Water and Wastewater' published by American Public Health Association (APHA) and CPCB. The analytical techniques and the test methods adopted for testing of water are given in **Table 3.7, 3.8, 3.9 & 3.10**.

3.4.3 Ground Water Quality Monitoring Results

The detailed ground water quality monitoring results are presented in **Table 3.7, 3.8 and 3.9, 3.10**.

Table 3.7 Ground Water Quality Monitoring Results (November 2020 Post monsoon) Near Mine site

S. No.	Parameter	Unit	Result	Limits of IS:10500 -2012	
				Requirement (Acceptable Limits)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	--	7.41	6.5 to 8.5	No Relaxation
2.	Colour	Hazen	*BDL (**DL 5Hazen)	5	15
3.	Turbidity	NTU	*BDL (**DL 0.1 NTU)	1	5
4.	Odour	--	Agreeable	Agreeable	Agreeable
5.	Taste	--	Agreeable	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	mg/l	289.30	200	600
7.	Calcium as Ca	mg/l	61.64	75	200
8.	Total Alkalinity as CaCO ₃	mg/l	320.52	200	600
9.	Chloride as Cl	mg/l	89.33	250	1000
10.	#Cyanide as CN	mg/l	*BDL(**DL 0.02 mg/l)	0.05	No Relaxation
11.	Magnesium as Mg	mg/l	32.93	30	100
12.	Total Dissolved Solids	mg/l	654.00	500	2000
13.	Sulphate as SO ₄	mg/l	48.26	200	400
14.	Fluoride as F	mg/l	0.62	1.0	1.5
15.	Nitrate as NO ₃	mg/l	23.35	45	No Relaxation
16.	Iron as Fe	mg/l	0.36	0.3	No relaxation
17.	Aluminium as Al	mg/l	*BDL(**DL 0.03 mg/l)	0.03	0.2
18.	Boron	mg/l	0.27	0.5	1
19.	Chromium as Cr	mg/l	*BDL(**DL 0.03 mg/l)	0.05	No Relaxation
20.	Phenolic Compounds	mg/l	*BDL(**DL 0.001 mg/l)	0.001	0.002
21.	#Mineral Oil	mg/l	*BDL(**DL 0.01mg/l)	0.5	No Relaxation
22.	#Anionic Detergents as	mg/l	*BDL(**DL 0.02 mg/l)	0.2	1.0
23.	Zinc as Zn	mg/l	0.40	5	15
24.	Copper as Cu	mg/l	0.19	0.05	1.5
25.	Manganese as Mn	mg/l	*BDL(**DL 0.06 mg/l)	0.1	0.3
26.	Cadmium as Cd	mg/l	*BDL(**DL 0.003 mg/l)	0.003	No Relaxation
27.	Lead as Pb	mg/l	*BDL(**DL 0.01 mg/l)	0.01	No Relaxation
28.	Selenium as Se	mg/l	*BDL(**DL 0.01 mg/l)	0.01	No Relaxation
29.	Arsenic as As	mg/l	*BDL(**DL 0.01 mg/l)	0.01	0.05
30.	Mercury as Hg	mg/l	*BDL (**DL 0.001 mg/l)	0.001	No Relaxation
31.	Total Coliform	MPN/100ml	<2	Shall not be Detectable in 100ml Sample	
32.	E. Coli	MPN/100ml	Absent	Shall not be Detectable in 100ml Sample	

Note:- *BDL-Below Detection Limit, *DL- Detection Limit
#These parameter are not covered in our NABL scope.

Table 3.8 Ground Water Quality Monitoring Results (November 2020 Post monsoon) Village-Kheribora

M/s ASD RKC J.V. Project: Environmental Clearance for Proposed Stone along with Associated Minor Minerals at Kheribattar Plot-2, Tehsil- Dadri, District-Bhiwani, Haryana.
EC No. SEIAA/HR/2016/875 Dated-04.10.2016

S. No.	Parameter	Unit	Result	Limits of IS:10500 -2012	
				Requirement (Acceptable Limits)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	--	7.52	6.5 to 8.5	No Relaxation
2.	Colour	Hazen	*BDL (**DL 5Hazen)	5	15
3.	Turbidity	NTU	*BDL (**DL 0.1 NTU)	1	5
4.	Odour	--	Agreeable	Agreeable	Agreeable
5.	Taste	--	Agreeable	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	mg/l	273.10	200	600
7.	Calcium as Ca	mg/l	51.56	75	200
8.	Total Alkalinity as CaCO ₃	mg/l	280.20	200	600
9.	Chloride as Cl	mg/l	93.44	250	1000
10.	#Cyanide as CN	mg/l	*BDL(**DL 0.02 mg/l)	0.05	No Relaxation
11.	Magnesium as Mg	mg/l	35.10	30	100
12.	Total Dissolved Solids	mg/l	672.00	500	2000
13.	Sulphate as SO ₄	mg/l	53.44	200	400
14.	Fluoride as F	mg/l	0.69	1.0	1.5
15.	Nitrate as NO ₃	mg/l	26.45	45	No Relaxation
16.	Iron as Fe	mg/l	0.48	0.3	No relaxation
17.	Aluminium as Al	mg/l	*BDL(**DL 0.03 mg/l)	0.03	0.2
18.	Boron	mg/l	0.40	0.5	1
19.	Chromium as Cr	mg/l	*BDL(**DL 0.03 mg/l)	0.05	No Relaxation
20.	Phenolic Compounds	mg/l	*BDL(**DL 0.001 mg/l)	0.001	0.002
21.	#Mineral Oil	mg/l	*BDL(**DL 0.01mg/l)	0.5	No Relaxation
22.	#Anionic Detergents as	mg/l	*BDL(**DL 0.02 mg/l)	0.2	1.0
23.	Zinc as Zn	mg/l	0.35	5	15
24.	Copper as Cu	mg/l	0.23	0.05	1.5
25.	Manganese as Mn	mg/l	*BDL(**DL 0.06 mg/l)	0.1	0.3
26.	Cadmium as Cd	mg/l	*BDL(**DL 0.003 mg/l)	0.003	No Relaxation
27.	Lead as Pb	mg/l	*BDL(**DL 0.01 mg/l)	0.01	No Relaxation
28.	Selenium as Se	mg/l	*BDL(**DL 0.01 mg/l)	0.01	No Relaxation
29.	Arsenic as As	mg/l	*BDL(**DL 0.01 mg/l)	0.01	0.05
30.	Mercury as Hg	mg/l	*BDL (**DL 0.001 mg/l)	0.001	No Relaxation
31.	Total Coliform	MPN/100ml	<2	Shall not be Detectable in 100ml Sample	
32.	E. Coli	MPN/100ml	Absent	Shall not be Detectable in 100ml Sample	

Note:- *BDL-Below Detection Limit, *DL- Detection Limit
 #These parameter are not covered in our NABL scope.

Table 3.9 Ground Water Quality Monitoring Results January (Winter) Near Mine site

M/s ASD RKC J.V. Project: Environmental Clearance for Proposed Stone along with Associated Minor Minerals at Kheribattar Plot-2, Tehsil- Dadri, District-Bhiwani, Haryana.
EC No. SEIAA/HR/2016/875 Dated-04.10.2016

S. No.	Parameter	Unit	Result	Limits of IS:10500 -2012	
				Requirement (Acceptable Limits)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	--	7.38	6.5 to 8.5	No Relaxation
2.	Colour	Hazen	*BDL (**DL 5Hazen)	5	15
3.	Turbidity	NTU	*BDL (**DL 0. 1 NTU)	1	5
4.	Odour	--	Agreeable	Agreeable	Agreeable
5.	Taste	--	Agreeable	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	mg/l	323.12	200	600
7.	Calcium as Ca	mg/l	56.40	75	200
8.	Total Alkalinity as CaCO ₃	mg/l	243.58	200	600
9.	Chloride as Cl	mg/l	97.88	250	1000
10.	#Cyanide as CN	mg/l	*BDL(**DL 0.02 mg/l)	0.05	No Relaxation
11.	Magnesium as Mg	mg/l	44.32	30	100
12.	Total Dissolved Solids	mg/l	620.00	500	2000
13.	Sulphate as SO ₄	mg/l	44.23	200	400
14.	Fluoride as F	mg/l	0.61	1.0	1.5
15.	Nitrate as NO ₃	mg/l	24.36	45	No Relaxation
16.	Iron as Fe	mg/l	0.26	0.3	No relaxation
17.	Aluminium as Al	mg/l	*BDL(**DL 0.03 mg/l)	0.03	0.2
18.	Boron	mg/l	0.32	0.5	1
19.	Chromium as Cr	mg/l	*BDL(**DL 0.03 mg/l)	0.05	No Relaxation
20.	Phenolic Compounds	mg/l	*BDL(**DL 0.001 mg/l)	0.001	0.002
21.	#Mineral Oil	mg/l	*BDL(**DL 0.01mg/l)	0.5	No Relaxation
22.	#Anionic Detergents as MBAS	mg/l	*BDL(**DL 0.02 mg/l)	0.2	1.0
23.	Zinc as Zn	mg/l	0.28	5	15
24.	Copper as Cu	mg/l	0.17	0.05	1.5
25.	Manganese as Mn	mg/l	*BDL(**DL 0.06 mg/l)	0.1	0.3
26.	Cadmium as Cd	mg/l	*BDL(**DL 0.003mg/l)	0.003	No Relaxation
27.	Lead as Pb	mg/l	*BDL(**DL 0.01 mg/l)	0.01	No Relaxation
28.	Selenium as Se	mg/l	*BDL(**DL 0.01 mg/l)	0.01	No Relaxation
29.	Arsenic as As	mg/l	*BDL(**DL 0.01 mg/l)	0.01	0.05
30.	Mercury as Hg	mg/l	*BDL (**DL 0.001 mg/l)	0.001	No Relaxation
31.	Total Coliform	MPN/100ml	<2	Shall not be Detectable in 100ml Sample	
32.	E. Coli	MPN/100ml	Absent	Shall not be Detectable in 100ml Sample	

Note:- *BDL-Below Detection Limit, *DL- Detection Limit
 #These parameter are not covered in our NABL scope.

Table 3.10 Ground Water Quality Monitoring Results January (Winter) Village- Kheribora

**M/s ASD RKC J.V. Project: Environmental Clearance for Proposed Stone along with Associated Minor Minerals
at Kheribattar Plot-2, Tehsil- Dadri, District-Bhiwani, Haryana.
EC No. SEIAA/HR/2016/875 Dated-04.10.2016**

S. No.	Parameter	Unit	Result	Limits of IS:10500 -2012	
				Requirement (Acceptable Limits)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	--	7.48	6.5 to 8.5	No Relaxation
2.	Colour	Hazen	*BDL (**DL 5Hazen)	5	15
3.	Turbidity	NTU	*BDL (**DL 0. 1 NTU)	1	5
4.	Odour	--	Agreeable	Agreeable	Agreeable
5.	Taste	--	Agreeable	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	mg/l	305.20	200	600
7.	Calcium as Ca	mg/l	61.69	75	200
8.	Total Alkalinity as CaCO ₃	mg/l	324.00	200	600
9.	Chloride as Cl	mg/l	105.24	250	1000
10.	#Cyanide as CN	mg/l	*BDL(**DL 0.02 mg/l)	0.05	No Relaxation
11.	Magnesium as Mg	mg/l	36.76	30	100
12.	Total Dissolved Solids	mg/l	694.00	500	2000
13.	Sulphate as SO ₄	mg/l	52.88	200	400
14.	Fluoride as F	mg/l	0.54	1.0	1.5
15.	Nitrate as NO ₃	mg/l	21.20	45	No Relaxation
16.	Iron as Fe	mg/l	0.32	0.3	No relaxation
17.	Aluminium as Al	mg/l	*BDL(**DL 0.03 mg/l)	0.03	0.2
18.	Boron	mg/l	0.38	0.5	1
19.	Chromium as Cr	mg/l	*BDL(**DL 0.03 mg/l)	0.05	No Relaxation
20.	Phenolic Compounds	mg/l	*BDL(**DL 0.001 mg/l)	0.001	0.002
21.	#Mineral Oil	mg/l	*BDL(**DL 0.01mg/l)	0.5	No Relaxation
22.	#Anionic Detergents as MBAS	mg/l	*BDL(**DL 0.02 mg/l)	0.2	1.0
23.	Zinc as Zn	mg/l	0.26	5	15
24.	Copper as Cu	mg/l	0.19	0.05	1.5
25.	Manganese as Mn	mg/l	*BDL(**DL 0.06 mg/l)	0.1	0.3
26.	Cadmium as Cd	mg/l	*BDL(**DL 0.003mg/l)	0.003	No Relaxation
27.	Lead as Pb	mg/l	*BDL(**DL 0.01 mg/l)	0.01	No Relaxation
28.	Selenium as Se	mg/l	*BDL(**DL 0.01 mg/l)	0.01	No Relaxation
29.	Arsenic as As	mg/l	*BDL(**DL 0.01 mg/l)	0.01	0.05
30.	Mercury as Hg	mg/l	*BDL (**DL 0.001 mg/l)	0.001	No Relaxation
31.	Total Coliform	MPN/100ml	<2	Shall not be Detectable in 100ml Sample	
32.	E. Coli	MPN/100ml	Absent	Shall not be Detectable in 100ml Sample	

Note:- *BDL-Below Detection Limit, *DL- Detection Limit
#These parameter are not covered in our NABL scope.

3.4.4 Discussion on Ground Water Quality in the Study Area

The Ground water quality of all location were observed to be slightly alkaline in nature with total alkalinity reaching up to 243.58 and 324.00 mg/L respectively in water samples against the prescribed limit of 200 mg/L (600 Permissible limit). Total Hardness in the water is 273.10 mg/L and 323.12 mg/ against prescribed limit of 200 mg/L but it is within the permissible limit of 600mg/L. However, remaining parameters are within the CPCB prescribed limits.

3.4.5 Ground Water Level in and around the mine site

Ground water level was monitored villages and locations located approx. 5 Km in and around mine area. Water level of the water sources was measured manually in post monsoon (month of November) and during winter (month of January). The data is given below in table 3.11. This shows significant recharging in post monsoon season and no impact of mining activities undertaken in the area on ground water.

Table 3.11 Ground Water level in and around the mine site

Sample. Number	Village Name	Location	Water Level (in mbgl) (November, 2020)	Water Level (in mbgl) (January, 2021)
W1	Mine Site	28°33'43.25"N 76°10'32.89"E	58.26	59.12
W2	Kaliyana	28°33'7.55"N 76°12'1.14"E	32.83	33.30
W3	Asawari	28°32'31.65"N 76° 8'36.32"E	24.69	25.24
W4	Kalali	28°31'21.66"N 76°11'1.54"E	27.44	28.10
W5	Kheri Bura	28°35'22.68"N 76°11'56.23"E	16.20	17.33

3.5 SOIL MONITORING

3.5.1 Soil Monitoring Locations

The objective of the soil monitoring is to identify the impacts of ongoing project activities on soil quality and also predict impacts, which have arisen due to execution of various mining activities. Accordingly, a study of assessment of the soil quality has been carried out. To assess impacts of ongoing project activities on the soil in the area, the physico-chemical characteristics of soils were examined by obtaining soil samples from selected points and analysis of the same. Single sample of soil was collected from the project site for studying soil characteristics, the location of which is listed in Table 3.12

Table 3.12 Details of Soil Quality Monitoring Location

S. No.	Location Code	Location Name/ Description
1.	S1	Near Mine Site
2.	S2	Village- Kheribora

3.5.2 Methodology of Soil Monitoring

The sampling has been done in line with IS: 2720 & Methods of Soil Analysis, Part-1, 2nd edition, 1986 of American Society for Agronomy and Soil Science Society of America. The homogenized samples were analyzed for physical and chemical characteristics (physical, chemical and heavy metal concentrations). The soil samples were collected in the month of March 2021.

The samples have been analyzed as per the established scientific methods for physico-chemical parameters. The heavy metals have been analyzed by using Atomic Absorption Spectrophotometer.

3.5.3 Soil Monitoring Results

Single sample of soil is collected from the project site to check the quality of soil of the study area. The physico-chemical characteristics of the soil, as obtained from the analysis of the soil sample, are presented in **Table 3.13, 3.14**.

Table 3.13 Physico-Chemical Characteristics of Soil in the Study Area (Near Project Site)

S. No.	Parameter	Test-Method	Unit	Result
1.	pH (at 25 °C)	IS : 2720 (P-26) by pH Meter	--	7.42
2.	Conductivity	IS:14767 by Conductivity meter	mS/cm	0.362
3.	Soil Texture	IS : 2720 (P-22, RA2003)	--	Sandy
4.	Color	SOP , SP-78,Issue No.-01& Issue Date-14/02/2013	--	Brownish
5.	Water holding capacity	SOP , SP-81,Issue No.-01& Issue Date-14/02/2013	%	28.36
6.	Bulk density	SOP , SP-80,Issue No.-01& Issue Date-14/02/2013	gm/cc	1.32
7.	Chloride as Cl	SOP , SP-85,Issue No.-01& Issue Date-14/02/2013	mg/100g	32.51
8.	Calcium as Ca	SOP , SP-82,Issue No.-01& Issue Date-14/02/2013	mg/100g	36.20
9.	Sodium as Na	SOP , SP-84,Issue No.-01& Issue Date-14/02/2013	mg/kg	38.36
10.	Potassium as K	SOP , SP-84,Issue No.-01& Issue Date-14/02/2013	kg/hec.	129.00
11.	Organic Matter	IS:2720 (P-22) Titrimetric Method	%	0.49
12.	Magnesium as Mg	SOP , SP-83,Issue No.-01& Issue Date-14/02/2013	mg/100g	20.54
13.	Available Nitrogen as N	IS:14684 Distillation Method	kg./hec.	161.30
14.	Available Phosphorus	SOP , SP-86,Issue No.-01& Issue Date-14/02/2013	kg./hec.	21.47
15.	Zinc (as Zn)	USEPA 3050B	mg/kg	6.51
16.	Manganese (as Mn)	USEPA 3050B	mg/kg	4.24
17.	Lead (as Pb)	USEPA 3050B	mg/kg	1.62
18.	Cadmium (as Cd)	USEPA 3050B	mg/kg	0.78
19.	Chromium (as Cr)	USEPA 3050B	mg/kg	1.24
20.	Copper (as Cu)	USEPA 3050B	mg/kg	3.13

*SOP -Laboratory standard operating procedure

Table 3.14 Physico-Chemical Characteristics of Soil in the Study Area (Village- Kheribora)

S. No.	Parameter	Test-Method	Unit	Result
1.	pH (at 25 °C)	IS : 2720 (P-26) by pH Meter	--	7.49
2.	Conductivity	IS:14767 by Conductivity meter	mS/cm	0.343
3.	Soil Texture	IS : 2720 (P-22, RA2003)	--	Sandy
4.	Color	SOP , SP-78,Issue No.-01& Issue Date-14/02/2013	--	Brownish
5.	Water holding capacity	SOP , SP-81,Issue No.-01& Issue Date-14/02/2013	%	27.21
6.	Bulk density	SOP , SP-80,Issue No.-01& Issue Date-14/02/2013	gm/cc	1.36
7.	Chloride as Cl	SOP , SP-85,Issue No.-01& Issue Date-14/02/2013	mg/100g	39.60
8.	Calcium as Ca	SOP , SP-82,Issue No.-01& Issue Date-14/02/2013	mg/100g	31.47
9.	Sodium as Na	SOP , SP-84,Issue No.-01& Issue Date-14/02/2013	mg/kg	36.23
10.	Potassium as K	SOP , SP-84,Issue No.-01& Issue Date-14/02/2013	kg/hect.	151.70
11.	Organic Matter	IS:2720 (P-22) Titrimetric Method	%	0.43
12.	Magnesium as Mg	SOP , SP-83,Issue No.-01& Issue Date-14/02/2013	mg/100g	19.54
13.	Available Nitrogen as N	IS:14684 Distillation Method	kg./hect.	149.64
14.	Available Phosphorus	SOP , SP-86,Issue No.-01& Issue Date-14/02/2013	kg./hect.	24.65
15.	Zinc (as Zn)	USEPA 3050B	mg/kg	6.32
16.	Manganese (as Mn)	USEPA 3050B	mg/kg	3.21
17.	Lead (as Pb)	USEPA 3050B	mg/kg	1.20
18.	Cadmium (as Cd)	USEPA 3050B	mg/kg	0.81
19.	Chromium (as Cr)	USEPA 3050B	mg/kg	0.53
20.	Copper (as Cu)	USEPA 3050B	mg/kg	2.15

*SOP -Laboratory standard operating procedure.

3.5.4 Discussion on Soil Characteristics in the Study Area

The soil in study area is characterized by moderate organic content. The soil quality in the project area has not been affected by the Mining activities.

3.6 SITE PHOTOGRAPHS



Project Site



Ambient Air Monitoring



Noise Monitoring



Soil Sampling



Water Sprinkling



Plantation



Plantation



Garland Drain



Retention Wall



Labors Colony



Personal Protective Equipment's for workers

150

7(1)

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY HARYANA
Bay No. 55-58, Prayatan Bhawan, Sector-2, PANCHKULA.

No. SEIAA/HR/2016/ 375

Dated: 04-10-2016 ✓

To

M/s ASD RKC JV
40.1 axmi Nagar, Near Sub City Centre,
Hiran Magri, Sector-8, Udaipur,
Rajasthan-313002.

Subject: Environmental Clearance for proposed Stone along with Associated Minor Minerals at Kheribattar Plot 2, over an area of 42.0 Ha Tehsil-Dadri District-Bhiwani, Haryana.

This has reference to your application no. nil dated 30.11.2015 addressed to M. S. SEIAA Haryana received online on 30.11.2015 and subsequent letter dated 26.07.2016 seeking prior environmental clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz. Form-I, Pre-feasibility report, copy of approved Mining Plan, EIA/EMP on the basis of approved TOR and the additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) constituted by MOEF & CC, GOI vide their Notification 21.08.2015, in its meetings held on 13.01.2016 and 03.08.2016.

[2] The SEAC has examined the application and noted that the proposal is for Mining of Stone along with Associated Minor Minerals at Kheribattar Plot 2, over an area of 42.0 Ha at Tehsil- Dadri District-Bhiwani, Haryana, Khasra no.139, 140 & 141 min. The Letter of Intent (LOI) dated 21.10.2015 has been granted for an area of 42.0 Ha having Village- Kheribattar Plot 2. The validity of Mining Scheme in the Mining plan is for 5 years. The project proponent has submitted copy NOC from Forest Department. The SEAC appraised this project under category 1(a) as category B-1 project as other mine lease area is also located within 500 meter. The project proposal has been appraised as per proper procedure of EIA Notification i.e. approval of TOR and Public hearing.

Brief details of the project:

1. Category/Item no. (in schedule):	1 (a) B-1
2. Location of Project	Village- Kheribattar Plot 2, Tehsil-Dadri District-Bhiwani, Haryana over an area of 42.0 Ha.
3. Project Details Khasra No.	Mining of Stone along with Associated Minerals "Kheribattar Plot 2", over an area of 42.0 Ha Khasra no.139, 140 & 141 min
4. Production capacity	81,66,000 MT/Year (27220 Ton/day)
Project Cost	4.23 Crores

5.	Water Requirement & Source	10 KLD through Tankers		
		Dust suppression & Wet Drilling	4 KLD	
		Plantation	4 KLD	
		Drinking	2 KLD	
6.	Environment Management Plan Budget	54 lakh		
7.	CSR Activates Budget	24.5 Lakh		
8.	Production (Year wise)	Year	Bench mrl	Production
		First	381,372,363,354,336,327	70 lakh MT
		Second	327, 318, 309, 300	70 lakh MT
		Third	300, 291, 282	75 lakh MT
		Fourth	282 & 273	80 lakh MT
		Fifth	264 & 255	81.66 lakh MT
9.	Green belt plantation	Year of Plantation	Proposed Plantation	
		I Yr.	700 Trees	
		II Yr.	700 Trees	
		III Yr.	700 Trees	
		IV Yr.	700 Trees	
		V Yr.	700 Trees	
10.	Machinery required	Excavator, Dozer Crawler Mounted, Wagon Drill with inbuilt Compressors, Air Compressor, Rock Breaker, Diesel Operated Pump, Explosive Van		

The SEIAA in its 95th meeting held on 26.08.2016 decided to agree with the recommendations of SEAC to accord Environment Clearance to this project by imposing the following conditions.

SPECIFIC CONDITIONS:

- [1] This Environment Clearance is granted for Production of Stone along with Associated Minerals as per below mentioned figures.

Year	Bench mrl	Production
First	381,372,363,354,336,327	70 lakh MT
Second	327, 318, 309, 300	70 lakh MT
Third	300, 291, 282	75 lakh MT
Fourth	282 & 273	80 lakh MT
Fifth	264 & 255	81.66 lakh MT

- [2] The project proponent shall obtain prior CTO under Air Act and Water Act from HSPCB and effectively implement all the conditions stipulated by the HSPCB.
- [3] The project proponent shall carry out mining activity strictly as per the approved Mining Plan.
- [4] The project proponent shall ensure that the mining operations shall not intersect groundwater table and the mining operation should be restricted at least 3 meter above the ground water table.

- [5] Topsoil shall be stacked temporarily at earmarked sites only and it shall not be kept unutilized for a period more than three years; it shall be used for land reclamation and plantation in mined out areas.
- [6] The project proponent shall ensure that no natural water course/water body shall be obstructed due to any mining operations.
- [7] The over burden generated shall be stacked at earmarked dump site (s) only and it shall not be kept active for long period of time. The maximum height of the already existing waste dumps shall not exceed 5 meter in single terraces and the slope angle shall not exceed 28° as per norms.
- [8] The dumping site selected and proposed shall be used for OB dump at the designated site within the lease area as per the approved mine plan. In no case the overburden should be dumped outside the lease area.
- [9] The benches height and slope shall be maintained as per approved mining plan.
- [10] Waste dump shall be terraced. The height of the dump and its slope shall not exceed as suggested in the approved mining plan. A retaining wall shall be constructed at the toe of the dump.
- [11] Garland drains shall be constructed to prevent the flow of the water in the dumps.
- [12] Check dams shall be constructed in the seasonal rivulets to prevent the flow of fines to low lying areas during rains.
- [13] The total waste generated in the present plan period shall be as envisaged, which shall be accommodated in old dumpsite in addition to the waste already dumped. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to HSPCB and MOEF Zonal Office, Chandigarh on six monthly bases.
- [14] Drills shall either be operated with dust extractors or equipped with water injection system.
- [15] The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slop of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.
- [16] Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, OB dumps and mineral dumps to arrest flow of silt and sediment. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted, particularly after monsoon and maintained properly.
- [17] Garland drains: setting tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area

adjoining the mine site. Sump capacity shall also provide adequate pits shall be constructed at the corners of the garland drains and de-silted.

- [18] Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation shall be based on the rainfall data.
- [19] Green belt should be developed as per the proposed plantation as given in the proposal. Plantation should be carried out in phased manner. The green belt should be developed in the safety zone around the mining lease by planting the native species around ML area, OB dumps, backfilled and reclaimed around water body, road etc. in consultation with the local DFO/Agriculture Department.
- [20] Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. The project proponent shall adopt water curtain technology to suppress the RPM as per the assurance given. It shall be ensured that the Ambient Air Quality Parameters conform to the norms prescribed by the CPCB.
- [21] The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.
- [22] Regular monitoring of ground water level and quality shall be carried out in and around the mine lease. The monitoring shall be carried out four times in a year-pre monsoon (April-May), monsoon (August), post monsoon (November); winter (January) and the data thus collected may be sent regularly to MOEF Regional Office, Chandigarh and Regional Director CGWB.
- [23] Data on ambient air quality and stack emissions shall be submitted to Haryana Pollution Control Board once in six months carried out by MOEF/NABI/CPCB/Government approved lab.
- [24] Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded. The project proponent shall ensure that the vehicle must have pollution under control certificate.
- [25] Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigation measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented.
- [26] The blasting operation will be carried out as per the norms of Director (Mines & Safety), Gaziabad. Take all safety measures as per the various mining regulations.
- [27] The project proponent shall take all precautionary measures during mining operations for conservation and protection of endangered fauna, if any, spotted in the study area. A plan for conservation shall be drawn and approved by the State

Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the wildlife conservation plan so prepared specific to the project site shall be effectively implemented. A copy of action plan may be submitted to the HSPCB and MOEF, Regional Office, Chandigarh within 3 months.

- [28] As envisaged, the Project Proponent shall invest at least an amount of Rs. 54 lakh as cost for implementing various environmental protection measures including recurring expenses per year.
- [29] A sum of Rs. 24.5 lakh shall be earmarked by the Project proponent for investment as CSR on socio economic up-liftment activities of the area particularly in the area of habitat, health or education, training programme of rural women & man provide the kit for employment generation. The proposal should contain provision for monthly medical camps, distributions of medicines and improvement in educational facilities in the nearby schools. Details of such activity along with time bound action plan be submitted to HSPCB/SEIAA Haryana before the start of operation.
- [30] Budgetary provision of Rs. 08 lakh per year earmarked for the labours working in the Mine for all necessary infrastructure facilities such as health facility, sanitation facility, fuel for cooking, along with safe drinking water, medical camps and toilets for women, crèche for infants should be made and submitted to HSPCB at the time of CTO/SEIAA Haryana. The housing facilities should be provided for mining labours.
- [31] A Final Mine Closure Plan along with details of corpus fund shall be submitted to the SEIAA well within the stipulated period as prescribed in the minor mineral concession rules 2012.
- [32] The water reservoir, which would be created/available during post closure (all pits), shall be provided with suitable benches and fencing to provide the access to the water body and safety.
- [33] The project proponent shall ensure that the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.
- [34] The project proponent shall ensure that loading in Trucks do not exceed the norms fixed by the Transport Department as per relevant rules.
- [35] The project proponent shall ensure approach roads are widened and strengthened as per requirements fixed by PWD and district administration before the start of the work.
- [36] The project proponent shall ensure that all measures are taken simultaneously for safeguard and maintenance of the health of the workers.

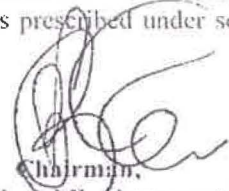
9(5)

[37] The project proponent shall ensure supply of drinking water through RO.

GENERAL CONDITIONS:

- [i] Any change in mining technology/scope of working shall not be made without prior approval of the SEIAA.
- [ii] Any change in the calendar plan including excavation, quantum of mineral and waste shall not be made.
- [iii] Periodic monitoring of ambient air quality shall be carried out for PM₁₀, PM_{2.5}, SO₂ and NO_x 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 Haryana State Pollution Control Board (HSPCB). Six monthly reports of the data so collected shall be regularly submitted to the HSPCB/CPCB including the MOEF, Regional office, Chandigarh.
- [iv] Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with earplugs/muffs.
- [v] Waste water (workshop and waste water from the mine) shall be properly collected & treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 93 and 31st December 1993 (amended to date). Oil and grease trap shall be installed before discharge.
- [vi] 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.
- [vii] Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- [viii] The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the HSPCB and the Regional office of MOEF located at Chandigarh.
- [ix] The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the northern Regional Office of MoEF, the respective Office of CPCB, HSPCB and SEIAA Haryana.
- [x] The SEIAA, Haryana reserves the right to add new conditions, modify/annual any of the stipulated conditions and/or to revoke the clearance if implementation of any of the condition stipulated by SEIAA, Haryana or any other competent authorities is not satisfactory.
- [xi] Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- [xii] The above conditions will be enforced, inter alia, under the provision of the Water (Prevention & Control of Pollution) Act, 1974 the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act 1991 (all amended till date) and rules made hereunder and also any other orders passed by the Hon'ble Supreme Court of India/High Court of Haryana and other Court of law relating to the subject matter.

- [xiii] The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [xiv] All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by Project proponent from the competent authority before the start of mining operation.
- [xv] That the grant of this EC 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 National Green Tribunal Act, 2010.



Chairman,
**State Level Environment Impact
 Assessment Authority, Haryana, Panchkula.**

Endst. No. SEIAA HR/2016/

Dated:.....

A copy of the above is forwarded to the following:

1. The Director (IA Division), MoEF&CC, Gol, Indra Paryavaran Bhavan, Zor bagh Road-New Delhi.
2. The Regional office, Ministry of Environment, Forests & Climate Change, Govt. of India, Bay's no. 24-25, Sector 31-A, Dakshin Marg, Chandigarh.
3. The Chairman, Haryana State Pollution Control Board, C-11, Sector-6, Pkl.
4. The Director General, Mines & Geology Department Haryana, Chandigarh.

Chairman,
**State Level Environment Impact
 Assessment Authority, Haryana, Panchkula.**



HARYANA STATE POLLUTION CONTROL BOARD
SCF-32, sector 13, HUDA, Bhiwani Ph. 01664-240259



E-mail: hspcb.pkl@sify.com

No. HSPCB/Consent/ : 313100419BHICTO7018846

Dated:05/12/2019

To.

M/s :ASD RKC J.V
KHASARA NO. 139,140,141MIN VILLAGE KHARIBATTAR, TEHSIL DADRI,
BHIWANI, HARYANA

Subject: Grant of consent to operate to M/s ASD RKC J.V.

Please refer to your application no. 7018846 received on dated 2019-11-05 in regional office Bhiwani. With reference to your above application for consent to operate, M/s ASD RKC J.V is here by granted consent as per following specification/Terms and conditions.

Consent Under	BOTH
Period of consent	22/11/2019 - 30/09/2021
Industry Type	Mining and ore beneficiation
Category	RED
Investment(In Lakh)	788.0
Total Land Area(Sq. meter)	420100.0
Total Builtup Area(Sq. meter)	10000.0
Quantity of effluent	
1. Trade	0.0 KL/Day
2. Domestic	1.5 KL/Day
Number of outlets	1.0
Mode of discharge	
1. Domestic	Septic tank
2. Trade	
Domestic Effluent Parameters	
1. BOD	30 mg/l
2. COD	250 mg/l
3. pH	5.59.0
4. TSS	100 mg/l
Trade Effluent Parameters	
1. NA	
Number of stacks	1
Height of stack	
1. NA	
Emission parameters	
1. PM 10	100

2. PM 2.5	60
Product Details	
1. Mining of stones	27220 Metric Tonnes/day
Capacity of boiler	
1. NA	Ton/hr
Type of Furnace	
1. NA	
Type of Fuel	
1. Electricity	KL/day
Raw Material Details	
Mining of stones	27220 Metric Tonnes/Day

Regional Officer, Bhiwani
Haryana State Pollution Control Board.

Terms and conditions

1. The applicants shall maintain good house keeping both within factory and in the premises. All hose pipelines valves, storage tanks etc. shall be leak proof. In plant allowable pollutants levels, if specified by State Board should be met strictly.
2. The applicant/company shall comply with and carry out directive/orders issued by the Board in this consent order at all subsequent times without negligence of his /its part. The applicant/company shall be liable for such legal action against him as per provision of the law/act in case of violation of any order/directives. Issued at any time and or non compliance of the terms and conditions of his consent order.
3. The applicant shall make an application for grant of consent at least 90 days before the date of expiry of this consent.
4. Necessary fee as prescribed for obtaining renewal consent shall be paid by the applicant alongwith the consent application.
5. If due to any technological improvement or otherwise this Board is of opinion that all or any of the conditions referred to above required variation (including the change of any control equipment either in whole or in part) this Board shall after giving the applicant an opportunity of being heard vary all or such condition and there upon the applicant shall be bound to comply with the conditions so varied.
6. The industry shall provide adequate arrangement for fighting the accidental leakages, discharge of any pollutants gas/liquids from the vessels, mechanical equipment etc. which are likely to cause environment pollution.
7. The industry shall comply noise pollution (Regulation and control) Rules, 2000.
8. The industry shall comply all the direction/Rules/Instructions as may be issued by the MOEF/CPCB/HSPCB from time to time.
9. The industry shall ensure that various characteristics of the effluents remain within the tolerance limits as specified in EPA Standard and as amended from time to time and at no time the concentration of any characteristics should exceed these limits for discharge.
10. The industry would immediately submit the revised application to the Board in the event of any change in the raw material in process, mode of treatment/discharge of effluent. In case of change of process at any stage during the consent period, the industry shall submit fresh

consent application alongwith the consent to operate fee, if found due, which may be on any account and that shall be paid by the industry and the industry would immediately submit the consent application to the Board in the event of any change during the year in the raw material, quantity, quality of the effluent, mode of discharge, treatment facilities etc.

11. The officer/official of the Board shall reserve the right to access for the inspection of the industry in connection with the various process and the treatment facilities. The consent to operate is subject to review by the Board at any time.

12. Permissible limits for any pollutants mentioned in the consent to operate order should not exceed the concentration permitted in the effluent by the Board.

13. The industry shall pay the balance fee, in case it is found due from the industry at any time later on.

14. If the industry fails to adhere to any of the conditions of this consent to operate order, the consent to operate so granted shall automatically lapse.

15. If the industry is closed temporarily at its own, they shall inform the Board and obtain permission before restart of the unit.

16. The industry shall comply all the Directions/ Rules/Instructions issued from time to time by the Board.

Specific Conditions :

(i). That the unit will submit the analysis report from the Board lab within three month from the date of issue of consent to operate. (ii). That the unit will run and maintain the APCM & green belt. (iii). That the unit will apply for renewal of consent to operate before 90 days from the expiry of this CTO. (iv). The said mining project will make strict compliance of EC granted by MOEF/SEIAA. (v). The said unit will submit half yearly Environment management report as per EC condition & board policy for mining projects. (vi). The unit use dust suppression and APCM to overcome air emission . (vii). Unit will apply for HW authorization & make agreement with board authorized agency for safe disposal of Hazardous waste as per HOWM Rules, 2016. (viii). The said unit will make Dust Suppression and wet drilling by using water through sprinklers etc. (ix) unit will install AAQMS at three locations within mining lease area for EC compliance (copy of comprehensive inspection report on prescribed Performa along with photographs) (x) Unit will take all necessary clearances from all the concerned departments / agencies. (xi). The unit will abide with the directions/guidelines HSPCB/CPCB/ any court decision/ direction of any competent authority. (xii) This CTO is without prejudice to any action under the provisions of applicable laws / acts / notification / courts order to be taken in respect of any violation at any stage without any claim of the unit. If the unit fails to comply the provisions of EC/CTE/CTO, various applicable provisions of concerned departments / agencies / authorities / any relevant decision of court, the consent to operate so granted shall be revoked automatically without giving any notice.

***Regional Officer, Bhiwani
Haryana State Pollution Control Board.***

INDEX

S.NO	DESCRIPTION	PAGE NO
1.	Introduction & General details	1-3
2.	Location And Accessibility	4
3.	Geology And Reserves	5-9
4.	Mining	10-21
5.	Blasting	22-29
6.	Mine Drainage	30-33
7.	Stacking of Mineral Rejects and Disposal of waste	34-35
8.	Use Of Mineral	36
9.	Mineral Beneficiation	37-39
10.	Surface Transport	40
11.	Site Services	41-43
12.	Employment Potential	44-45
13.	Environment Impact Assessment & Environment Management Plan	46-64
14.	Progressive Mine Closure Plan	65-80

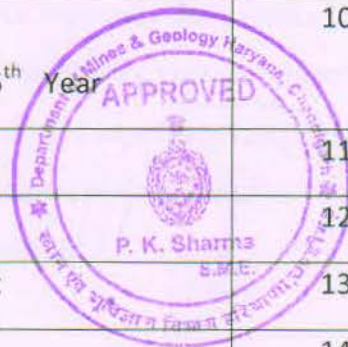


LIST OF ANNEXURE

SR. NO.	DESCRIPTION	ANNEXURE NO.
1	LOI	1
2	Consent letter from applicant to prepare Mining Plan	2
3	RQP Certificate	3

LIST OF PLATES


SR.NO.	DESCRIPTION	PLATE NO.
1	Location plan	1
2	Key Plan	2
3	Surface Geological plan	3
4	Geological cross sections	4
5	Plan showing the position of mine Working and dump at the end of 1 st Year	5
6	Plan showing the position of mine Working and dump at the end of 2nd Year	6
7	Plan showing the position of mine Working and dump at the end of 3rd Year	7
8	Plan showing the position of mine Working and dump at the end of 4th Year	8
9	Plan showing the position of mine Working and dump at the end of 5 th Year	9
10	Sections showing the position of mine Working and dump at the end of 1 st to 5 th Year	10
11	Progressive mine closure plan	11
12	Conceptual mining plan	12
13	Section showing the conceptual pit limit	13
14	Environmental Plan	14



Certificate.

The Mining plan and Progressive Mine Closure Plan complies all Statutory Regulations, orders made by the Central or State Government, statutory organizations, court etc. have been taken into consideration and wherever any specific permission is required the lessee will approach the concerned authorities. It is also undertaken that all the measures proposed in the Progressive Mine Closure Plan will be implemented in a time bound manner as proposed.

S.N. Sharma



S.N. SHARMA
RQP/DDN/0135/2001A
REGIONAL SUPERVISOR (RQP)
INDIAN BUREAU OF MINES (IBM)
RQP No. RQP/DDN/135/2001/A
VALID UPTO : 29TH MARCH 2021





ASD- RKC J.V.

40, Laxmi Nagar , Near Sub City Centre, Hiran Magri, Sector- 8,
Udaipur- 313002 (Rajasthan)

Email ID: rkckalyana@hotmail.com , info@rkcarriers.com

Annexure -2

CONSENT LETTER FROM APPLICANT

The Mining Plan & Progressive Mine Closure Plan in respect minor mineral mine of "Stone along with associated minor minerals" of Kheribattar-2 in village Kheribattar having tentative area of 42.01 Hectares in Tehsil : Dadri, District- Bhiwani, State -Haryana is being prepared by Recognized Qualified Person, S.N. Sharma having registration no. RQP/DDN/0135/2001-A.

I request The Director General, Mines and Geology, Haryana to make further correspondence regarding modification of the Mining Plan & Progressive Mine Closure Plan with the said RQP on the following address:-

S.N. Sharma

282, First Floor, Sector-11D, Faridabad (Haryana)

09560848579

(RQP/DDN/0135/2001-A.)

I also authorize S.N. Sharma to make correspondence with your office.

I hereby undertake that the Mining Plan & Progressive Mine Closure Plan in respect of the said area prepared by RQP be deemed to have been made with my knowledge and consent and shall be acceptable to me and binding on me in all respects.

Place: Charkehi Dadri

Date: 25/11/2015

K. Sharma

Signature of the applicant



Renewed/नवीनीकृत up to 29/3/2021



खनन योजना तैयार करने हेतु
योग्य व्यक्ति के रूप में
मान्यता का प्रमाणपत्र

P. K. Sharma
28/3/11
क्षेत्रीय खान नियंत्रक
Regional Controller of Mines
भारतीय खान ब्यूरो
Indian Bureau of Mines

(खनिज रियायत नियमावली 1960 के नियम 22(सी) के अंतर्गत)

श्री एस. एन. शर्मावसुद श्री के सी शर्मापिवासी हाउस नं 2181, सेक्टर-16, फरीदाबाद, हरियाणा

द्वारा अपनी योग्यताओं और अनुभव का संतोषप्रद प्रमाण प्रस्तुत करने के फलस्वरूप
खनिज रियायत नियमावली, 1960 के नियम 22(सी) के अंतर्गत उन्हें एतद्वारा खनन
योजना तैयार करने हेतु योग्य व्यक्ति के रूप में मान्यता प्रदान की जाती है।

उनका पंजीयन क्रमांक

RAP/DDN/135/2001/A

है।

यह मान्यता दिनांक 29.03.2011 को समाप्तहोने वाली ~~दस्तावेजों~~ की अवधि के लिए वैध है।स्थान : देहरादूनदिनांक : 30.03.2001

P. K. Sharma
क्षेत्रीय खान नियंत्रक
भारतीय खान ब्यूरो
Regional Controller of Mines
भारतीय खान ब्यूरो
Indian Bureau of Mines





Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/ASD/AA/01
Issued To: M/s ASD RKC J.V.
40, Laxmi Nagar, Near Sub City Centre,
Hiran Magri, Sector-8, Udaipur,
Rajasthan-313002.
Name & address of Project : Stone Mine (Associated Minor Mineral),
Kheribattar Plot-2, Tehsil-Dadri, District-
Bhiwani, Haryana.
Sample Description : Ambient Air Quality Monitoring

Report No.: VEL/A/2103/11/001
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 16/03/2021
Period of Analysis: 11/03/2021 to 16/03/2021
Receipt Date: 11/03/2021

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Mine Site
Instrument Used : RDS & FPS with all accessories
Instrument Code : VEL/RDS-FPS/01
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/03/2021 to 11/03/2021
Time of Monitoring : 09:05 AM to 09:05 AM
Ambient Temperature (°C) : Min 16°C, Max 28°C
Surrounding Activity : Human, Vehicular & Mining Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS:5182 & CPCB Guidelines
Parameter Required : PM₁₀, PM_{2.5}, NO₂ & SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	50.85	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23) Gravimetric Method	91.45	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6) Jacob & Hochheiser	21.47	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2) Modified West and Gaeke	11.96	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
SOP-As per Laboratory Standard Operating Procedure

MEENU KAUSHIK
SR. ANALYST
(Tested By)



NOTE: a) The results listed refer only to the tested samples & applicable parameters
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Test Report

Sample Number: VEL/ASD/AA/02
Report No.: VEL/A/2103/11/002
Issued To: M/s ASD RKC J.V.
Format No.: 7.8 F-01
40, Laxmi Nagar, Near Sub City Centre,
Party Reference No.: NIL
Hiran Magri, Sector-8, Udaipur, Rajasthan-
Reporting Date: 16/03/2021
313002.
Period of Analysis: 11/03/2021 to 16/03/2021
Name & Address of Project: Stone Mine (Associated Minor Mineral),
Kheribattar Plot-2, Tehsil-Dadri, District-
Bhiwani, Haryana.
Receipt Date: 11/03/2021
Sample Description: Ambient Air Quality Monitoring

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : 100 mtr from mine site
Instrument Used : RDS & FPS with all accessories
Instrument Code : VEL/RDS-FPS/02
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/03/2021 to 11/03/2021
Time of Monitoring : 09:15 AM to 09:15 AM
Ambient Temperature (°C) : Min 16°C, Max 28°C
Surrounding Activity : Human, Vehicular & Mining Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS:5182 & CPCB Guidelines
Parameter Required : PM₁₀, PM_{2.5}, NO₂ & SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	45.87	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23) Gravimetric Method	83.41	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6) Jacob & Hochheiser	24.12	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2) Modified West and Gaeke	9.23	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009

SOP -As per Laboratory Standard Operating Procedure

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SR ANALYST
(Tested By)



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Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/ASD/AA/03
Issued To: M/s ASD RKC J.V.
40, Laxmi Nagar, Near Sub City Centre,
Hiran Magri, Sector-8, Udaipur,
Rajasthan-313002.
Name & Address of Project: Stone Mine (Associated Minor Mineral),
Kheribattar Plot-2, Tehsil-Dadri,
District-Bhiwani, Haryana.
Sample Description: Ambient Air Quality Monitoring

Report No.: VEL/A/2103/11/003
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 16/03/2021
Period of Analysis: 11/03/2021 to 16/03/2021
Receipt Date: 11/03/2021

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : **Haul Road**
Instrument Used : RDS & FPS with all accessories
Instrument Code : VEL/RDS-FPS/03
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : **10/03/2021 to 11/03/2021**
Time of Monitoring : 09:35 AM to 09:35 AM
Ambient Temperature (°C) : Min 16°C, Max 28°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : **IS:5182 & CPCB Guidelines**
Parameter Required : PM₁₀, PM_{2.5}, NO₂ & SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	48.26	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23) Gravimetric Method	87.79	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6) Jacob & Hochheiser	21.63	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2) Modified West and Gaeke	12.50	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009

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Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/ASD/AA/04
Issued To: M/s ASD RKC J.V.
40, Laxmi Nagar, Near Sub City Centre,
Hiran Magri, Sector-8, Udaipur,
Rajasthan-313002.
Name & Address of Project: Stone Mine (Associated Minor Mineral),
Kheribattar Plot-2, Tehsil-Dadri,
District-Bhiwani, Haryana.
Sample Description: Ambient Air Quality Monitoring

Report No.: VEL/A/2103/11/004
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 16/03/2021
Period of Analysis: 11/03/2021 to 16/03/2021
Receipt Date: 11/03/2021

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : Village-Kheribattar
Instrument Used :RDS & FPS with all accessories
Instrument Code :VEL/RDS-FPS/04
Instrument Calibration Status :Calibrated
Meteorological condition during monitoring :Clear Sky
Date of Monitoring : 10/03/2021to 11/03/2021
Time of Monitoring : 10:15 AM to 10:15 AM
Ambient Temperature (°C) : Min 16°C, Max 28°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS:5182 & CPCB Guidelines
Parameter Required : PM₁₀, PM_{2.5}, NO₂ & SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	43.30	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23) Gravimetric Method	81.78	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6) Jacob & Hochheiser	20.66	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2) Modified West and Gaeke	8.87	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009

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Test Report

Sample Number: VEL/ASD/AA/05
Issued To: M/s ASD RKC J.V.
40, Laxmi Nagar, Near Sub City Centre,
Hiran Magri, Sector-8, Udaipur,
Rajasthan-313002.
Name & Address of Project: Stone Mine (Associated Minor Mineral),
Kheribattar Plot-2, Tehsil-Dadri, District-Bhiwani, Haryana.
Sample Description : Ambient Air Quality Monitoring

Report No.: VEL/A/2103/11/005
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 16/03/2021
Period of Analysis: 11/03/2021 to 16/03/2021
Receipt Date: 11/03/2021

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : **Loading Area**
Instrument Used : RDS & FPS with all accessories
Instrument Code : VEL/RDS-FPS/05
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : **10/03/2021 to 11/03/2021**
Time of Monitoring : 10:25 AM to 10:25 AM
Ambient Temperature (°C) : Min 16°C, Max 28°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : **IS:5182 & CPCB Guidelines**
Parameter Required : PM₁₀, PM_{2.5}, NO₂ & SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	52.45	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23) Gravimetric Method	93.36	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6) Jacob & Hochheiser	23.84	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2) Modified West and Gaeke	10.52	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009

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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/ASD/AA/06
Issued To: M/s ASD RKC J.V.
40, Laxmi Nagar, Near Sub City Centre,
Hiran Magri, Sector-8, Udaipur,
Rajasthan-313002.
Name & Address of Project: Stone Mine (Associated Minor Mineral),
Kheribattar Plot-2, Tehsil-Dadri, District-
Bhiwani, Haryana.
Sample Description : Ambient Air Quality Monitoring

Report No.: VEL/A/2103/11/006
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 16/03/2021
Period of Analysis: 11/03/2021 to 16/03/2021
Receipt Date: 11/03/2021

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : Village-Kheribora
Instrument Used : RDS & FPS with all accessories
Instrument Code : VEL/RDS-FPS/06
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/03/2021 to 11/03/2021
Time of Monitoring : 11:30 AM to 11:30 AM
Ambient Temperature (°C) : Min 16°C, Max 28°C
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS:5182 & CPCB Guidelines
Parameter Required : PM₁₀, PM_{2.5}, NO₂ & SO₂

TEST RESULTS

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Particulate Matter (PM _{2.5})	#SOP No. VEL/SOP/01, Section No. SP 63	46.12	µg/m ³	60
2.	Particulate Matter (PM ₁₀)	IS: 5182 (P-23) Gravimetric Method	84.48	µg/m ³	100
3.	Nitrogen Dioxide (NO ₂)	IS: 5182 (P-6) Jacob & Hochheiser	22.60	µg/m ³	80
4.	Sulphur Dioxide (SO ₂)	IS: 5182 (P-2) Modified West and Gaeke	9.62	µg/m ³	80

*NAAQS – National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009
SOP -As per Laboratory Standard Operating Procedure

MEENU KAUSHIK
SR. ANALYST
(Tested By)



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Vardan EnviroLab

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/ASD/AN/01
Issued To: M/s ASD RKC J.V.
40, Laxmi Nagar, Near Sub City Centre,
Hiran Magri, Sector-8, Udaipur,
Rajasthan-313002.
Name & Address of Project: Stone Mine (Associated Minor Mineral),
Kheribattar Plot-2, Tehsil-Dadri,
District-Bhiwani, Haryana.
Sample Description: AMBIENT NOISE LEVEL MONITORING

Report No.: VEL/AN/2103/11/001
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 16/03/2021
Period of Analysis: 11/03/2021 to 16/03/2021
Receipt Date: 11/03/2021

General Information:-

Sample collected by : Vardan EnviroLab Representative
Sampling Location : Near Mine Site
Instrument Used : Sound Level Meter
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/03/2021 to 11/03/2021
Time of Monitoring : 06:00 AM to 06:00 AM
Surrounding Activity : Human, Vehicular & Mining Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS-9989 & CPCB Guidelines
Sampling Duration : 24 Hours
Parameter Required : L_{max} , L_{min} , & L_{eq}

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L_{max}	IS-9989	78.9	69.3	dB(A)
2.	L_{min}	IS-9989	63.5	53.7	dB(A)
3.	L_{eq}	IS-9989	71.8	64.5	dB(A)
4.	As per #DGMS Limits in dB(*A) Leq (Mining Area)	-	75.0	70.0	dB(A)

Note- * A "decibel" is a unit in which noise is measured. #DGMS-Directorate General of Mines & Safety

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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/ASD/AN/02	Report No.:	VEL/AN/2103/11/002
Issued To:	M/s ASD RKC J.V. 40, Laxmi Nagar, Near Sub City Centre, Hiran Magri, Sector-8, Udaipur, Rajasthan-313002.	Format No.:	7.8 F-01
Name & Adof Project: dress	Stone Mine (Associated Minor Mineral), Kheribattar Plot-2, Tehsil-Dadri, District-Bhiwani, Haryana.	Party Reference No.:	NIL
Sample Description	AMBIENT NOISE LEVEL MONITORING	Reporting Date:	16/03/2021
		Period of Analysis	11/03/2021 to 16/03/2021
		Receipt Date:	11/03/2021

General Information:-

Sample collected by	: Vardan Enviro Lab Representative
Sampling Location	: 100 mtr from mine site
Instrument Used	: Sound Level Meter
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Clear Sky
Date of Monitoring	: 10/03/2021 to 11/03/2021
Time of Monitoring	: 06:00 AM to 06:00AM
Surrounding Activity	: Vehicular & Mining Activities
Scope of Monitoring	: Regulatory Requirement
Sampling & Analysis Protocol	: IS-9989 & CPCB Guidelines
Sampling Duration	: 24 Hours
Parameter Required	: L_{max} , L_{min} , & L_{eq}

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L_{max}	IS-9989	74.8	71.3	dB(A)
2.	L_{min}	IS-9989	62.4	46.4	dB(A)
3.	L_{eq}	IS-9989	69.7	63.9	dB(A)
4.	As per #DGMS Limits in dB(A) Leq (Mining Area)	-	75.0	70.0	dB(A)

Note- * A "decibel" is a unit in which noise is measured. #DGMS-Directorate General of Mines & Safety

MEENU KAUSHIK
SR. ANALYST
(Tested By)



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Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/ASD/AN/03
Issued To: M/s ASD RKC J.V.
40, Laxmi Nagar, Near Sub City Centre, Hiran
Magri, Sector-8, Udaipur, Rajasthan-313002.
Name & Address of Project: Stone Mine (Associated Minor Mineral),
Kheribattar Plot-2, Tehsil-Dadri, District-
Bhiwani, Haryana.
Sample Description : AMBIENT NOISE LEVEL MONITORING

Report No.: VEL/AN/2103/11/003
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 16/03/2021
Period of Analysis: 11/03/2021 to 16/03/2021
Receipt Date: 11/03/2021

General Information:-

Sample collected by : Vardan Enviro Lab Representative
Sampling Location : Haul Road
Instrument Used : Sound Level Meter
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/03/2021 to 11/03/2021
Time of Monitoring : 06:00 AM to 06:00AM
Surrounding Activity : Mining & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS-9989 & CPCB Guidelines
Sampling Duration : 24 Hours
Parameter Required : L_{max} , L_{min} , & L_{eq}

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L_{max}	IS-9989	71.5	63.7	dB(A)
2.	L_{min}	IS-9989	60.3	51.1	dB(A)
3.	L_{eq}	IS-9989	65.6	56.6	dB(A)
4.	As per #DGMS Limits in dB(A) Leq (Mining Area)	-	75.0	70.0	dB(A)

Note- * A "decibel" is a unit in which noise is measured. #DGMS-Directorate General of Mines & Safety

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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number: VEL/ASD/AN/04
Issued To: M/s ASD RKC J.V.
40, Laxmi Nagar, Near Sub City Centre, Hiran
Magri, Sector-8, Udaipur, Rajasthan-313002.
Name & Address of Project: Stone Mine (Associated Minor Mineral),
Kheribattar Plot-2, Tehsil-Dadri, District-
Bhiwani, Haryana.
Sample Description : AMBIENT NOISE LEVEL MONITORING

Report No.: VEL/AN/2103/11/004
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 16/03/2021
Period of Analysis: 11/03/2021 to 16/03/2021
Receipt Date: 11/03/2021

General Information:-

Sample collected by : Vardan Enviro Lab Representative
Sampling Location : Village-Kheribattar
Instrument Used : Sound Level Meter
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/03/2021 to 11/03/2021
Time of Monitoring : 06:00 AM to 06:00AM
Surrounding Activity : Human & Vehicular Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS-9989 & CPCB Guidelines
Sampling Duration : 24 Hours
Parameter Required : L_{max} , L_{min} , & L_{eq}

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L_{max}	IS-9989	53.2	49.5	dB(A)
2.	L_{min}	IS-9989	43.4	36.6	dB(A)
3.	L_{eq}	IS-9989	48.8	41.8	dB(A)
4.	CPCB Limits in dB(A) L_{eq} (Residential Area)	-	55.0	45.0	dB(A)

Note- * A "decibel" is a unit in which noise is measured.

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SR. ANALYST
(Tested By)



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Test Report

Sample Number: VEL/ASD/AN/05
Issued To: M/s ASD RKC J.V.
40, Laxmi Nagar, Near Sub City Centre, Hiran
Magri, Sector-8, Udaipur, Rajasthan-313002.
Name & Address of Project: Stone Mine (Associated Minor Mineral),
Kheribattar Plot-2, Tehsil-Dadri, District-
Bhiwani, Haryana.
Sample Description : AMBIENT NOISE LEVEL MONITORING

Report No.: VEL/AN/2103/11/005
Format No.: 7.8 F-01
Party Reference No.: NIL
Reporting Date: 16/03/2021
Period of Analysis: 11/03/2021 to 16/03/2021
Receipt Date: 11/03/2021

General Information:-

Sample collected by : Vardan Enviro Lab Representative
Sampling Location : Loading Area
Instrument Used : Sound Level Meter
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/03/2021 to 11/03/2021
Time of Monitoring : 06:00 AM to 06:00AM
Surrounding Activity : Mining & Loading Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS-9989 & CPCB Guidelines
Sampling Duration : 24 Hours
Parameter Required : L_{max} , L_{min} , & L_{eq}

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L_{max}	IS-9989	79.7	73.8	dB(A)
2.	L_{min}	IS-9989	64.3	56.4	dB(A)
3.	L_{eq}	IS-9989	72.9	67.8	dB(A)
4.	As per #DGMS Limits in dB(A) Leq (Mining Area)	-	75.0	70.0	dB(A)

Note- * A "decibel" is a unit in which noise is measured. #DGMS-Directorate General of Mines & Safety

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Test Report

Sample Number: VEL/ASD/AN/06
Report No.: VEL/AN/2103/11/006
M/s ASD RKC J.V.
Format No.: 7.8 F-01
40, Laxmi Nagar, Near Sub City Centre, Hiran
Party Reference No.: NIL
Magri, Sector-8, Udaipur, Rajasthan-313002.
Reporting Date: 16/03/2021
Name & Address of Project: Stone Mine (Associated Minor Mineral),
Kheribattar Plot-2, Tehsil-Dadri, District-
Bhiwani, Haryana.
Period of Analysis: 11/03/2021 to 16/03/2021
Receipt Date: 11/03/2021
Sample Description : AMBIENT NOISE LEVEL MONITORING

General Information:-

Sample collected by : Vardan Enviro Lab Representative
Sampling Location : Village-Kheribora
Instrument Used : Sound Level Meter
Instrument Calibration Status : Calibrated
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 10/03/2021 to 11/03/2021
Time of Monitoring : 06:00 AM to 06:00AM
Surrounding Activity : Human, Vehicular & Mining Activities
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS-9989 & CPCB Guidelines
Sampling Duration : 24 Hours
Parameter Required : L_{max} , L_{min} , & L_{eq}

S. No.	Parameters	Protocol	Test Result dB (A)		Unit
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 06:00 am)	
1.	L_{max}	IS-9989	51.5	46.2	dB(A)
2.	L_{min}	IS-9989	41.8	36.0	dB(A)
3.	L_{eq}	IS-9989	46.6	41.2	dB(A)
4.	CPCB Limits in dB(*A) L_{eq} (Residential Area)	-	55.0	45.0	dB(A)

Note- * A "decibel" is a unit in which noise is measured.

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SR. ANALYST
(Tested By)



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Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/ASD/S/01	Report No.:	VEL/S/2103/11/001
Issued To:	M/s ASD RKC J.V.	Format No.:	7.8 F-01
	40, Laxmi Nagar, Near Sub City Centre,	Party Reference	NIL
	Hiran Magri, Sector-8, Udaipur, Rajasthan-	No.:	
	313002.	Reporting Date:	16/03/2021
Name & Address of Project:	Stone Mine (Associated Minor Mineral),	Period of Analysis:	11/03/2021 to 16/03/2021
	Kheribattar Plot-2, Tehsil-Dadri, District-	Receipt Date:	11/03/2021
	Bhiwani, Haryana.	Sampling Date:	11/03/2021
Sample Description:	Soil Sample	Type of Sampling:	Composite
Sampling Location:	Near Mine Site	Sampling Quantity:	2.0 Kg
Sampling & Analysis	IS 2720, USEPA 3050B & SOP	Packing Status:	Temp Sealed
Protocol:			

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25 °C)	IS : 2720 (P-26) by pH Meter	7.42	--
2.	Conductivity	IS:14767 by Conductivity meter	0.362	mS/cm
3.	Soil Texture	IS : 2720 (P-22, RA2003)	Sandy	--
4.	Color	SOP , SP-78,Issue No.-01& Issue Date-14/02/2013	Brownish	--
5.	Water holding capacity	SOP , SP-81,Issue No.-01& Issue Date-14/02/2013	28.36	%
6.	Bulk density	SOP , SP-80,Issue No.-01& Issue Date-14/02/2013	1.32	gm/cc
7.	Chloride as Cl	SOP , SP-85,Issue No.-01& Issue Date-14/02/2013	32.51	mg/100g
8.	Calcium as Ca	SOP , SP-82,Issue No.-01& Issue Date-14/02/2013	36.20	mg/100g
9.	Sodium as Na	SOP , SP-84,Issue No.-01& Issue Date-14/02/2013	38.36	mg/kg
10.	Potassium as K	SOP , SP-84,Issue No.-01& Issue Date-14/02/2013	129.00	kg/hect.
11.	Organic Matter	IS:2720 (P-22) Titrimetric Method	0.49	%
12.	Magnesium as Mg	SOP , SP-83,Issue No.-01& Issue Date-14/02/2013	20.54	mg/100g
13.	Available Nitrogen as N	IS:14684 Distillation Method	161.30	kg./hect.
14.	Available Phosphorus	SOP , SP-86,Issue No.-01& Issue Date-14/02/2013	21.47	kg./hect.
15.	Zinc (as Zn)	USEPA 3050B	6.51	mg/kg
16.	Manganese (as Mn)	USEPA 3050B	4.24	mg/kg
17.	Lead (as Pb)	USEPA 3050B	1.62	mg/kg
18.	Cadmium (as Cd)	USEPA 3050B	0.78	mg/kg
19.	Chromium (as Cr)	USEPA 3050B	1.24	mg/kg
20.	Copper (as Cu)	USEPA 3050B	3.13	mg/kg

*SOP-Laboratory standard operating procedure.

MEENU KAUSHIK
Soil Analyst
(Tested By)



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Vardan EnviroLab

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ISO 9001 | ISO 14001 | ISO 45001

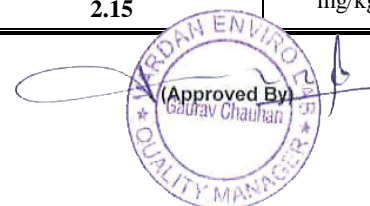
Test Report

Sample Number:	VEL/ASD/S/02	Report No.:	VEL/S/2103/11/002
Issued To:	M/s ASD RKC J.V. 40, Laxmi Nagar, Near Sub City Centre, Hiran Magri, Sector-8, Udaipur, Rajasthan-313002.	Format No.:	7.8 F-01
Name & Address of Project:	Stone Mine (Associated Minor Mineral), Kheribattar Plot-2, Tehsil-Dadri, District-Bhiwani, Haryana.	Party Reference No.:	NIL
Sample Description:	Soil Sample	Reporting Date:	16/03/2021
Sampling Location:	Village - Kheribora	Period of Analysis:	11/03/2021 to 16/03/2021
Sampling & Analysis Protocol:	IS 2720, USEPA 3050B & SOP	Receipt Date:	11/03/2021
		Sampling Date:	11/03/2021
		Type of Sampling:	Composite
		Sampling Quantity:	2.0 Kg
		Packing Status:	Temp Sealed

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25 °C)	IS : 2720 (P-26) by pH Meter	7.49	--
2.	Conductivity	IS:14767 by Conductivity meter	0.343	mS/cm
3.	Soil Texture	IS : 2720 (P-22, RA2003)	Sandy	--
4.	Color	SOP , SP-78,Issue No.-01& Issue Date-14/02/2013	Brownish	--
5.	Water holding capacity	SOP , SP-81,Issue No.-01& Issue Date-14/02/2013	27.21	%
6.	Bulk density	SOP , SP-80,Issue No.-01& Issue Date-14/02/2013	1.36	gm/cc
7.	Chloride as Cl	SOP , SP-85,Issue No.-01& Issue Date-14/02/2013	39.60	mg/100g
8.	Calcium as Ca	SOP , SP-82,Issue No.-01& Issue Date-14/02/2013	31.47	mg/100g
9.	Sodium as Na	SOP , SP-84,Issue No.-01& Issue Date-14/02/2013	36.23	mg/kg
10.	Potassium as K	SOP , SP-84,Issue No.-01& Issue Date-14/02/2013	151.70	kg/hect.
11.	Organic Matter	IS:2720 (P-22) Titrimetric Method	0.43	%
12.	Magnesium as Mg	SOP , SP-83,Issue No.-01& Issue Date-14/02/2013	19.54	mg/100g
13.	Available Nitrogen as N	IS:14684 Distillation Method	149.64	kg./hect.
14.	Available Phosphorus	SOP , SP-86,Issue No.-01& Issue Date-14/02/2013	24.65	kg./hect.
15.	Zinc (as Zn)	USEPA 3050B	6.32	mg/kg
16.	Manganese (as Mn)	USEPA 3050B	3.21	mg/kg
17.	Lead (as Pb)	USEPA 3050B	1.20	mg/kg
18.	Cadmium (as Cd)	USEPA 3050B	0.81	mg/kg
19.	Chromium (as Cr)	USEPA 3050B	0.53	mg/kg
20.	Copper (as Cu)	USEPA 3050B	2.15	mg/kg

*SOP-Laboratory standard operating procedure.

MEENU KAUSHIK
Soil ANALYST
(Tested By)



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Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/ASD/W/01	Report No.:	VEL/W/2011/07/001
Issued To:	M/s ASD RKC J.V. 40, Laxmi Nagar, Near Sub City Centre, HiranMagri, Sector-8, Udaipur, Rajasthan-313002.	Format No.:	7.8 F-01
Name & Address of Project	Stone Mine (Associated Minor Mineral), Kheribattar Plot-2, Tehsil-Dadri, District- Bhiwani, Haryana.	Party Reference No.:	NIL
Sample Description:	Ground Water Sample	Reporting Date:	13/11/2020
Sampling Location:	Near Mine Site	Period of Analysis:	07/11/2020 to 13/11/2020
Sample Collected by	Vardan Enviro Lab representative	Receipt Date:	07/11/2020
Sampling & Analysis Protocol:	IS & APHA, 23 Edt. 2017	Sampling Date:	07/11/2020
		Sampling Quantity:	2.0 Ltr
		Sampling Type:	Grab
		Preservation:	Refrigerated
		Parameter Required:	As Per Work Order

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	APHA ,4500-H ⁺ B Electrometric Method	7.41	--	6.5 to 8.5	No Relaxation
2.	Colour	APHA ,2120 B, Visual Comparison Method	*BDL (**DL 5Hazen)	Hazen	5	15
3.	Turbidity	APHA, 2130 B, Nephelometric Method	*BDL (**DL 0. 1 NTU)	NTU	1	5
4.	Odour	APHA, 2150 B , Threshold Test Method	Agreeable	--	Agreeable	Agreeable
5.	Taste	APHA , 2160 B, Threshold Test Method	Agreeable	--	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	APHA , 2340 C, EDTA Titrimetric Method	289.30	mg/l	200	600
7.	Calcium as Ca	APHA, 3500 Ca B, EDTA Titrimetric Method	61.64	mg/l	75	200
8.	Alkalinity as CaCO ₃	APHA , 2320 B, Titrimetric Method	320.52	mg/l	200	600
9.	Chloride as Cl	APHA, 4500-Cl ⁻ B, Argentometric Method	89.33	mg/l	250	1000
10.	#Cyanide as CN	APHA , 4500 CN ⁻ D	*BDL(**DL 0.02 mg/l)	mg/l	0.05	No Relaxation
11.	Magnesium as Mg	APHA , 3500 Mg B, Calculation Method	32.93	mg/l	30	100
12.	Total Dissolved Solids	APHA , 2540 C, Gravimetric Method	654.00	mg/l	500	2000
13.	Sulphate as SO ₄	APHA , 4500 E, Turbidimetric Method	48.26	mg/l	200	400
14.	Fluoride as F	APHA , 4500-F D, SPADNS Method	0.62	mg/l	1.0	1.5
15.	Nitrate as NO ₃	IS 3025 (P-34) ,Chromotropic Method	23.35	mg/l	45	No Relaxation
16.	Iron as Fe	APHA , 3500-Fe B 1,10 Phenanthroline Method	0.36	mg/l	0.3	No relaxation
17.	Aluminum as Al	APHA , 3111 B	*BDL(**DL 0.03 mg/l)	mg/l	0.03	0.2
18.	Boron	APHA, 4500B C, Carmine Method	0.27	mg/l	0.5	1
19.	Total Chromium as Cr	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.03 mg/l)	mg/l	0.05	No Relaxation

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SQA ANALYST
(Tested By)



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Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample No.: VEL/ASD/W/01			Report No:VEL/W/2008/04/001			
S. No	Parameter	Test-Method	Result	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable) Limit	Permissible limit in the Absence of Alternate Source
20.	Phenolic Compounds	APHA, 5530 C Chloroform Extraction Method	*BDL(**DL 0.001 mg/l)	mg/l	0.001	0.002
21.	#Mineral Oil	Clause 6 of IS:3025(Part 39)	*BDL(**DL 0.01mg/l)	mg/l	0.5	No Relaxation
22.	#Anionic Detergents as MBAS	APHA, 5540 C MBAS Method	*BDL(**DL 0.02 mg/l)	mg/l	0.2	1.0
23.	Zinc as Zn	APHA , 3111 B, Direct Air, Acetylene Flame Method	0.40	mg/l	5	15
24.	Copper as Cu	APHA , 3111 B, Direct Air, Acetylene Flame Method	0.19	mg/l	0.05	1.5
25.	Manganese as Mn	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.06 mg/l)	mg/l	0.1	0.3
26.	Cadmium as Cd	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.003 mg/l)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
28.	Selenium as Se	APHA , 3114 B, Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
29.	Arsenic as As	APHA , 3114 B, Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	0.05
30.	Mercury as Hg	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL (**DL 0.001 mg/l)	mg/l	0.001	No Relaxation
31.	Total Coliform	IS 1622,1981, RA-2019	<2	MPN/100ml	Shall not be detectable in any 100 ml sample	
32.	E. Coli	IS 1622,1981, RA-2019	Absent	MPN/100ml	Shall not be detectable in any 100 ml sample	

Note: - *BDL-Below Detection Limit, **DL- Detection Limit
#These parameter are not covered in our NABL scope

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(Tested By)



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Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/AR/W/02	Report No.:	VEL/W/2011/07/002
Issued To:	M/s ASD RKC J.V. 40, Laxmi Nagar, Near Sub City Centre, HiranMagri, Sector-8, Udaipur, Rajasthan-313002.	Format No.:	7.8 F-01
Name & Address of Project	Stone Mine (Associated Minor Mineral), Kheribattar Plot-2, Tehsil-Dadri, District- Bhiwani, Haryana.	Party Reference No.:	NIL
Sample Description:	Ground Water Sample	Reporting Date:	13/11/2020
Sampling Location:	Village- Kheribora	Period of Analysis:	07/11/2020 to 13/11/2020
Sample Collected by	VardanEnviro Lab representative	Receipt Date:	07/11/2020
Sampling & Analysis Protocol:	IS & APHA, 23 Edt. 2017	Sampling Date:	07/11/2020
		Sampling Quantity:	2.0 Ltr
		Sampling Type:	Grab
		Preservation:	Refrigerated
		Parameter Required:	As Per Work Order

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	APHA ,4500-H ⁺ B Electrometric Method	7.52	--	6.5 to 8.5	No Relaxation
2.	Colour	APHA ,2120 B, Visual Comparison Method	*BDL (**DL 5Hazen)	Hazen	5	15
3.	Turbidity	APHA, 2130 B, Nephelometric Method	*BDL (**DL 0. 1 NTU)	NTU	1	5
4.	Odour	APHA, 2150 B , Threshold Test Method	Agreeable	--	Agreeable	Agreeable
5.	Taste	APHA , 2160 B, Threshold Test Method	Agreeable	--	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	APHA , 2340 C, EDTA Titrimetric Method	273.10	mg/l	200	600
7.	Calcium as Ca	APHA, 3500 Ca B, EDTA Titrimetric Method	51.56	mg/l	75	200
8.	Alkalinity as CaCO ₃	APHA , 2320 B, Titrimetric Method	280.20	mg/l	200	600
9.	Chloride as Cl	APHA, 4500-Cl ⁻ B, Argentometric Method	93.44	mg/l	250	1000
10.	#Cyanide as CN	APHA , 4500 CN ⁻ D	*BDL(**DL 0.02 mg/l)	mg/l	0.05	No Relaxation
11.	Magnesium as Mg	APHA , 3500 Mg B, Calculation Method	35.10	mg/l	30	100
12.	Total Dissolved Solids	APHA , 2540 C, Gravimetric Method	685.00	mg/l	500	2000
13.	Sulphate as SO ₄	APHA , 4500 E, Turbidimetric Method	53.44	mg/l	200	400
14.	Fluoride as F	APHA , 4500-F D, SPADNS Method	0.69	mg/l	1.0	1.5
15.	Nitrate as NO ₃	IS 3025 (P-34) ,Chromotropic Method	26.45	mg/l	45	No Relaxation
16.	Iron as Fe	APHA , 3500-Fe B 1,10 Phenanthroline Method	0.48	mg/l	0.3	No relaxation
17.	Aluminum as Al	APHA , 3111 B	*BDL(**DL 0.03 mg/l)	mg/l	0.03	0.2
18.	Boron	APHA, 4500B C, Carmine Method	0.40	mg/l	0.5	1
19.	Total Chromium as Cr	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.03 mg/l)	mg/l	0.05	No Relaxation

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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample No.: VEL/ASD/W/02			Report No:VEL/W/2011/07/002			
S. No	Parameter	Test-Method	Result	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable) Limit	Permissible limit in the Absence of Alternate Source
20.	Phenolic Compounds	APHA, 5530 C Chloroform Extraction Method	*BDL(**DL 0.001 mg/l)	mg/l	0.001	0.002
21.	#Mineral Oil	Clause 6 of IS:3025(Part 39)	*BDL(**DL 0.01mg/l)	mg/l	0.5	No Relaxation
22.	#Anionic Detergents as MBAS	APHA, 5540 C MBAS Method	*BDL(**DL 0.02 mg/l)	mg/l	0.2	1.0
23.	Zinc as Zn	APHA , 3111 B, Direct Air, Acetylene Flame Method	0.35	mg/l	5	15
24.	Copper as Cu	APHA , 3111 B, Direct Air, Acetylene Flame Method	0.23	mg/l	0.05	1.5
25.	Manganese as Mn	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.06 mg/l)	mg/l	0.1	0.3
26.	Cadmium as Cd	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.003 mg/l)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
28.	Selenium as Se	APHA , 3114 B, Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
29.	Arsenic as As	APHA , 3114 B, Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	0.05
30.	Mercury as Hg	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL (**DL 0.001 mg/l)	mg/l	0.001	No Relaxation
31.	Total Coliform	IS 1622,1981, RA-2019	<2	MPN/100ml	Shall not be detectable in any 100 ml sample	
32.	E. Coli	IS 1622,1981, RA-2019	Absent	MPN/100ml	Shall not be detectable in any 100 ml sample	

Note: - *BDL-Below Detection Limit, **DL- Detection Limit
#These parameter are not covered in our NABL scope.

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Branch Off: Plot No. 24 & 25, Narayan Vihar, Block-B, Jaipur - 302035 (Rajasthan)
ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/ASD/W/01	Report No.:	VEL/W/2101/08/001
Issued To:	M/s ASD RKC J.V. 40, Laxmi Nagar, Near Sub City Centre, HiranMagri, Sector-8, Udaipur, Rajasthan-313002.	Format No.:	7.8 F-01
Name & Address of Project	Stone Mine (Associated Minor Mineral), Kheribattar Plot-2, Tehsil-Dadri, District- Bhiwani, Haryana.	Party Reference No.:	NIL
Sample Description:	Ground Water Sample	Reporting Date:	14/01/2021
Sampling Location:	Near Mine Site	Period of Analysis:	08/01/2021 to 14/01/2021
Sample Collected by	Vardan Enviro Lab representative	Receipt Date:	08/01/2021
Sampling & Analysis Protocol:	IS & APHA, 23 rd Edt. 2017	Sampling Date:	08/01/2021
		Sampling Quantity:	2.0 Ltr
		Sampling Type:	Grab
		Preservation:	Refrigerated
		Parameter Required:	As Per Work Order

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	APHA ,4500-H ⁺ B Electrometric Method	7.38	--	6.5 to 8.5	No Relaxation
2.	Colour	APHA ,2120 B, Visual Comparison Method	*BDL (**DL 5Hazen)	Hazen	5	15
3.	Turbidity	APHA, 2130 B, Nephelometric Method	*BDL (**DL 0. 1 NTU)	NTU	1	5
4.	Odour	APHA, 2150 B , Threshold Test Method	Agreeable	--	Agreeable	Agreeable
5.	Taste	APHA , 2160 B, Threshold Test Method	Agreeable	--	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	APHA , 2340 C, EDTA Titrimetric Method	323.12	mg/l	200	600
7.	Calcium as Ca	APHA, 3500 Ca B, EDTA Titrimetric Method	56.40	mg/l	75	200
8.	Alkalinity as CaCO ₃	APHA , 2320 B, Titrimetric Method	243.58	mg/l	200	600
9.	Chloride as Cl	APHA, 4500-Cl ⁻ B, Argentometric Method	97.88	mg/l	250	1000
10.	#Cyanide as CN	APHA , 4500 CN ⁻ D	*BDL(**DL 0.02 mg/l)	mg/l	0.05	No Relaxation
11.	Magnesium as Mg	APHA , 3500 Mg B, Calculation Method	44.32	mg/l	30	100
12.	Total Dissolved Solids	APHA , 2540 C, Gravimetric Method	620.00	mg/l	500	2000
13.	Sulphate as SO ₄	APHA , 4500 E, Turbidimetric Method	44.23	mg/l	200	400
14.	Fluoride as F	APHA , 4500-F D, SPADNS Method	0.61	mg/l	1.0	1.5
15.	Nitrate as NO ₃	IS 3025 (P-34) ,Chromotropic Method	20.36	mg/l	45	No Relaxation
16.	Iron as Fe	APHA , 3500-Fe B 1,10 Phenanthroline Method	0.26	mg/l	0.3	No relaxation
17.	Aluminum as Al	APHA , 3111 B	*BDL(**DL 0.03 mg/l)	mg/l	0.03	0.2
18.	Boron	APHA, 4500B C, Carmine Method	0.32	mg/l	0.5	1
19.	Total Chromium as Cr	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.03 mg/l)	mg/l	0.05	No Relaxation

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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample No.:VEL/ASD/W/01			Report No:VEL/W/2101/08/001			
S. No	Parameter	Test-Method	Result	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable) Limit	Permissible limit in the Absence of Alternate Source
20.	Phenolic Compounds	APHA, 5530 C Chloroform Extraction Method	*BDL(**DL 0.001 mg/l)	mg/l	0.001	0.002
21.	#Mineral Oil	Clause 6 of IS:3025(Part 39)	*BDL(**DL 0.01mg/l)	mg/l	0.5	No Relaxation
22.	#Anionic Detergents as MBAS	APHA, 5540 C MBAS Method	*BDL(**DL 0.02 mg/l)	mg/l	0.2	1.0
23.	Zinc as Zn	APHA , 3111 B, Direct Air, Acetylene Flame Method	0.28	mg/l	5	15
24.	Copper as Cu	APHA , 3111 B, Direct Air, Acetylene Flame Method	0.17	mg/l	0.05	1.5
25.	Manganese as Mn	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.06 mg/l)	mg/l	0.1	0.3
26.	Cadmium as Cd	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.003mg/l)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
28.	Selenium as Se	APHA , 3114 B, Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
29.	Arsenic as As	APHA , 3114 B, Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	0.05
30.	Mercury as Hg	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL (**DL 0.001 mg/l)	mg/l	0.001	No Relaxation
31.	Total Coliform	IS 1622,1981, RA- 2019	<2	MPN/100ml	Shall not be detectable in any 100 ml sample	
32.	E. Coli	IS 1622,1981, RA- 2019	Absent	MPN/100ml	Shall not be detectable in any 100 ml sample	

Note: - *BDL-Below Detection Limit, **DL- Detection Limit
#These parameter are not covered in our NABL scope.

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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample Number:	VEL/ASD/W/02	Report No.:	VEL/W/2101/08/002
Issued To:	M/s ASD RKC J.V. 40, Laxmi Nagar, Near Sub City Centre, HiranMagri, Sector-8, Udaipur, Rajasthan-313002.	Format No.:	7.8 F-01
Name & Address of Project	Stone Mine (Associated Minor Mineral), Kheribattar Plot-2, Tehsil-Dadri, District- Bhiwani, Haryana.	Party Reference No.:	NIL
Sample Description:	Ground Water Sample	Reporting Date:	14/01/2021
Sampling Location:	Village- Kheribora	Period of Analysis:	08/01/2021 to 14/01/2021
Sample Collected by	Vardan Enviro Lab representative	Receipt Date:	08/01/2021
Sampling & Analysis Protocol:	IS & APHA, 23 rd Edt. 2017	Sampling Date:	08/01/2021
		Sampling Quantity:	2.0 Ltr
		Sampling Type:	Grab
		Preservation:	Refrigerated
		Parameter Required:	As Per Work Order

S. No.	Parameter	Test-Method	Result	Unit	Limits of IS:10500 -2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
1.	pH (at 25 °C)	APHA ,4500-H ⁺ B Electrometric Method	7.48	--	6.5 to 8.5	No Relaxation
2.	Colour	APHA ,2120 B, Visual Comparison Method	*BDL (**DL 5Hazen)	Hazen	5	15
3.	Turbidity	APHA, 2130 B, Nephelometric Method	*BDL (**DL 0. 1 NTU)	NTU	1	5
4.	Odour	APHA, 2150 B , Threshold Test Method	Agreeable	--	Agreeable	Agreeable
5.	Taste	APHA , 2160 B, Threshold Test Method	Agreeable	--	Agreeable	Agreeable
6.	Total Hardness as CaCO ₃	APHA , 2340 C, EDTA Titrimetric Method	305.20	mg/l	200	600
7.	Calcium as Ca	APHA, 3500 Ca B, EDTA Titrimetric Method	61.69	mg/l	75	200
8.	Alkalinity as CaCO ₃	APHA , 2320 B, Titrimetric Method	324.00	mg/l	200	600
9.	Chloride as Cl	APHA, 4500-Cl ⁻ B, Argentometric Method	105.24	mg/l	250	1000
10.	#Cyanide as CN	APHA , 4500 CN ⁻ D	*BDL(**DL 0.02 mg/l)	mg/l	0.05	No Relaxation
11.	Magnesium as Mg	APHA , 3500 Mg B, Calculation Method	36.76	mg/l	30	100
12.	Total Dissolved Solids	APHA , 2540 C, Gravimetric Method	694.00	mg/l	500	2000
13.	Sulphate as SO ₄	APHA , 4500 E, Turbidimetric Method	52.88	mg/l	200	400
14.	Fluoride as F	APHA , 4500-F ⁻ D, SPADNS Method	0.54	mg/l	1.0	1.5
15.	Nitrate as NO ₃	IS 3025 (P-34) ,Chromotropic Method	21.20	mg/l	45	No Relaxation
16.	Iron as Fe	APHA , 3500-Fe B 1,10 Phenanthroline Method	0.32	mg/l	0.3	No relaxation
17.	Aluminium as Al	APHA , 3111 B	*BDL(**DL 0.03 mg/l)	mg/l	0.03	0.2
18.	Boron	APHA, 4500B C, Carmine Method	0.38	mg/l	0.5	1
19.	Total Chromium as Cr	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.03 mg/l)	mg/l	0.05	No Relaxation

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ISO 9001 | ISO 14001 | ISO 45001

Test Report

Sample No.:VEL/ASD/W/02

Report No:VEL/W/2101/08/002

S. No	Parameter	Test-Method	Result	Unit	Limits of IS:10500-2012	
					Requirement (Acceptable Limit)	Permissible limit in the Absence of Alternate Source
20.	Phenolic Compounds	APHA, 5530 C Chloroform Extraction Method	*BDL(**DL 0.001 mg/l)	mg/l	0.001	0.002
21.	#Mineral Oil	Clause 6 of IS:3025(Part 39)	*BDL(**DL 0.01mg/l)	mg/l	0.5	No Relaxation
22.	#Anionic Detergents as MBAS	APHA, 5540 C MBAS Method	*BDL(**DL 0.02 mg/l)	mg/l	0.2	1.0
23.	Zinc as Zn	APHA , 3111 B, Direct Air, Acetylene Flame Method	0.26	mg/l	5	15
24.	Copper as Cu	APHA , 3111 B, Direct Air, Acetylene Flame Method	0.19	mg/l	0.05	1.5
25.	Manganese as Mn	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.06 mg/l)	mg/l	0.1	0.3
26.	Cadmium as Cd	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.003mg/l)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL(**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
28.	Selenium as Se	APHA , 3114 B, Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	No Relaxation
29.	Arsenic as As	APHA , 3114 B, Manual Hydride Generation	*BDL(**DL 0.01 mg/l)	mg/l	0.01	0.05
30.	Mercury as Hg	APHA , 3111 B, Direct Air, Acetylene Flame Method	*BDL (**DL 0.001 mg/l)	mg/l	0.001	No Relaxation
31.	Total Coliform	IS 1622,1981, RA- 2019	<2	MPN/100ml	Shall not be detectable in any 100 ml sample	
32.	E. Coli	IS 1622,1981, RA- 2019	Absent	MPN/100ml	Shall not be detectable in any 100 ml sample	

Note: - *BDL-Below Detection Limit, **DL- Detection Limit
#These parameter are not covered in our NABL scope.

MEENU KAUSHIK
Sr. ANALYST
(Tested By)



NOTE: a) The results listed refer only to the tested samples & applicable parameters
b) Total liabilities of our lab will be restricted to the invoice amount only
c) The sample will be destroyed after retention time unless otherwise specified
d) This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law

www.vardan.co.in

Tel : 0124-4343750, 4343752, 4343753 | lab@vardanenvirolab.com | lab@vardanenvirolab.com



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Fax +91-294-2483830

ASD - RKC J.V.

VILLAGE - KHERI BATTAR, TEHSIL - CHARKHI DADRI, DISTT. - BHIWANI (HR.)

Ref.

Date: 18 September, 2020
20/11/2020

To

The Director, Ministry of Environment, Forests & Climate Change,
Northern Regional Office,
Sector-31, Dakshin Marg,
Chandigarh-160030

Sub: Submission of Six Monthly Compliance Report of Stipulated Conditions of Environment Clearance for proposed stone along with associates Minor Minerals at Kheribattar plot -2 over an area 42.0 Ha tehsil- Dadri District- Bhiwani, Haryana for Submission period of December 2020.

**Ref. No. 1. SEIAA/HR/2016/875 dated: 04.10.2016
2. 13-27/2016(ENV)/413 dated: 02.12.2019**

Sir,

In accordance to the EC letter as above stated received from State Environment Impact Assessment Authority (SEIAA) vide letter **SEIAA/HR/2016/875 dated: 04.10.2016**. We are submitting herewith six monthly compliance report of stipulated conditions of Environment Clearance (Soft only) along with laboratory analysis results the specific and general conditions and relevant annexure. We fully assure you that we will comply with all conditions as specified in the Environment clearance granted us.

For M/s ASD RKC JV,

Authorised Signatory,



Name - Sanjeev Singh
Designation- Business Head
E-mail - singh_sanjiv@rediffmail.com

Contact No.- +91 98330-80030

Copy to:

1. State Environment Impact Assessment Authority (SEIAA), Bay No. 55-58, Paryatan Bhavan, Sector-2, Panchkula, Haryana.
2. The Chairmen, Haryana State Pollution Control Board (HSPCB), Sector-6, Panchkula

भारत सरकार / Govt. of India
परिवर्तन मंत्रालय
Min. of Environment, Forests & Climate Change
Bay No. 24-25, Sector 31-A
चण्डीगढ़/Chandigarh



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VILLAGE - KHERI BATTAR, TEHSIL - CHARKHI DADRI, DISTT. - BHIWANI (HR.)

Ref.

Date: -18-September, 2020

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Haryana State Pollution Control Board
C-11, Sector 6, Panchkula

S
20/11/20

20, Laxmi Nagar, Near Sub-City Center, Hiran Magri, Sec. 8, Udaipur - 313002 (Rajasthan)

E-mail ID : rkckalyana@hotmail.com, info@rkcarriers.com

FOREST DEPARTMENT GOVT. OF HARYANA
O/o Divisional Forest Officer, Bhiwani

Meham Road, Vidya Nagar, Bhiwani, Tel. No. 01664-242430, E-mail:-dfo.bhiwani@yahoo.com

क्रमांक / 1938.....

दिनांक / 03-11-15.....

सेवा मे:- ✓ M/s. ASD-RKC J.V.,
40, Laxmi Nagar, Near Sub City Centre.
Hira magari, Sector-8 Udaipur. 313002 (Raj)

विषय: **Issue of Certificate Regarding Non-involvement of Forest land and Wildlife Sanctuary in mine lease area of 42.01 ha. at Village Kheri Battar -2" Tehsil Charkhi Dadri Distt. Bhiwani.**

संदर्भ: **आपका प्रार्थना पत्र Memoदिनांक 29.10.2015 के संदर्भ में।**

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उपरोक्त विषय के सम्बन्ध में सूचित किया जाता है कि गांव खेड़ी बत्तर-2 तहसील दादरी जिला भिवानी स्थित खसरा नं0 139, 140 व 141 का कुल क्षेत्र 42.01 हैक्टेयर अरावली पौधारोपण क्षेत्र में नहीं आता व किसी प्रकार की वन भूमि (Category of Forest Land) का पार्ट भी नहीं हैं। अतः रिकार्ड अनुसार वन विभाग गांव खेड़ी बत्तर-2 तहसील दादरी जिला भिवानी स्थित खसरा नं0 139, 140 व 141 के कुल क्षेत्रफल 42.01 हैक्टेयर ऐरिया में खनन से सम्बन्धित गतिविधियां चलाने की अनुमति निम्न शर्तों के आधार पर दी जाती है:-

1. मौका पर भारतीय वन संरक्षण अधिनियम 1980 की पालना सुनिश्चित करनी होगी तथा साथ लगते अरावली पौधारोपण क्षेत्र/वन भूमि को गैर वन वानिकी उद्देश्य हेतु प्रयोग करने से पूर्व नियमानुसार वन विभाग से अनुमति लेनी होगी।
2. खनन ऐरिया सैक्शन-4 (सामान्य) के तहत आता है। इसलिये मौका पर पंजाब भू-संरक्षण अधिनियम 1900 तथा भारतीय वन संरक्षण अधिनियम 1927 की पालना सुनिश्चित करनी होगी।
3. मौका पर खनन क्षेत्र के साथ लगते हुये अरावली पौधारोपण को कोई हानि नहीं पहुंचाई जाएगी।
4. यूजर एजेंसी द्वारा मौका पर खनन क्षेत्र में लगवाये गये पिल्लरों पर जी0पी0एस0 कोर्डिनेट अंकित करवाये जायेंगे।
5. भारतीय वन्य प्राणी अधिनियम 1972 की सभी शर्तों की पालना की जाएगी। इसके अतिरिक्त मौका पर उपरोक्त शर्तों के अलावा पर्यावरण को क्षति पहुंचाने की कोई भी गतिविधि/उल्लंघना पाई गई तो वन विभाग द्वारा यह अनापत्ति प्रमाण पत्र रद्द किया जा सकता है।

वन मण्डल अधिकारी,
भिवानी।

पृ0क्रमांक :

दिनांक:

इसकी एक प्रति वन राजिक अधिकारी दादरी को मौका पर वन अधिनियमों की पालना सुनिश्चित करने हेतू प्रेषित है।

वन मण्डल अधिकारी
भिवानी।