

ANDHRA PRADESH GRANITE (MIDWEST) PRIVATE LIMITED

D.No. 8-2-684/3/25 & 26, Road No. 12, Banjara Hills, **Hyderabad** - 500 034.

Ph. : 040-23305194, 195, 196

Ref. :

Date30.09.2021.....

To
The Environmental Engineer,
A.P. Pollution Control Board-Regional Office,
H. No. 7-1004 A&B, 2nd Floor,
Opp: SSN Degree College, Harihara Nagar,
2nd Lane, Mangamuru Road, Ongole,
Prakasam District - 532002.

Sir,

Sub: M/s Andhra Pradesh Granite (Midwest) Private Limited- (Extent: 19.425 Ha) at
Sy.No.55/5 P), RL Puram village, Chimakurthy (M), Prakasam (D), Andhra
Pradesh - **Submission of Environmental Statement-Form V - Reg.**

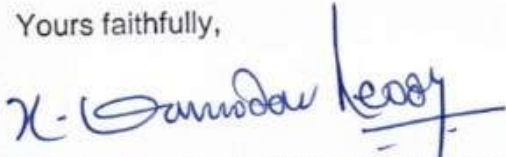
Ref: Consent Order: APPCB/VJA/NLR/188/HO/CFO/2017, Dated: 21.10.2019.

With reference to the above mentioned subject, we are submitting the Form -V as
per the Rule No 14 of Environmental Protection Act 1986, our Andhra Pradesh Granite
(Midwest) Private Limited, at Survey No. 55/5 P, R.L.Puram village, Chimakurthy
Mandal, Prakasam District, Andhra Pradesh as per consent condition S.No 6 of
Schedule-A.

We are submitting hard copy of the Form -V statement to your good office for
your reference.

Thanking you,

Yours faithfully,



For Andhra Pradesh Granite (Midwest) Private Limited.

Manager Cum Agent
Andhra Pradesh Granite (Midwest) Pvt.Ltd.,
Survey No. 55/5
R.L. PURAM, Chimakurthy (M),
Prakasam District.

M/s ANDHRA PRADESH GRANITE (MIDWEST) PRIVATE LIMITED

Sy.No.55/5(P), RL Puram village,
Chimakurthy (M), Prakasam (D), Andhra Pradesh
(Extent: 19.425 Ha)

FORM - V

(See rule 14)

**ENVIRONMENTAL STATEMENT FOR THE FINANCIAL
YEAR ENDING 31stMARCH, 2021**

PREPARED BY

Pridhvi Envirotech Private Limited
184/C, Lawn House, Vengalrao Nagar,
Hyderabad-500038

FORM – V

(See Rule 14)

Environmental Statement for the financial year ending the 31st March 2021**PART- A**

i)	Name and address of the owner/ occupier of the industry operation or Process	K. Rama Chandra Director M/s Andhra Pradesh (Granite) Midwest Private Limited Sy.No. 55/5(P), RL Puram village, Chimakurthy (M), Prakasam (D), Andhra Pradesh Extent: 19.425 Ha
ii)	Industry Category	Mining Industry (Black Galaxy Granite)
iii)	Details of Production and Capacity in Units	Black Galaxy Granite -54,643 M3/annum
iv)	Year of Establishment	2007
v)	Date of the last Environmental Statement Submitted	30.09.2020

PART-B**Water and Raw Material Consumption**

1. Water consumption KLD: 60.0 KLD (as per CFO)

Name of Products	Process water consumption per unit of product output	
	During the previous financial year 2019-2020	During the current financial year 2020- 2021
Black Galaxy Granite	60.0 KLD	60.0 KLD

2. Raw material Consumption : As this is mining industry no raw material is used

*Name of the product	Name of raw material	Consumption of raw material per unit	
		During the previous financial year 2019-20	During the current financial year 2020-2021
BlackGalaxy Granite		N/A	N/A

PART - C

Pollution discharge to environment /unit of output (Parameters as specified in the consent issued)

a) Water	
Pollutants	Quantity of Pollutants Discharged Kgs/day
	Effluents from Domestic source is discharged to septic tank followed by soak pit

b) Air			
Stack Attached to	Pollutants	Concentrations of Pollutants in Emissions (mg/N m3) (Peak Values recorded)	Authorized limits Mg/Nm3
1X200 KVA 1X 500 KVA 2 X125 KVA capacity D.G set	SPM	-	115
Fugitive emissions	PM 10	75.42	100
	PM2.5	28.65	60
	SO2	10.42	80
	NO2	20.62	80

PART – D

Hazardous Wastes

(As specified under Hazardous Waste (Management and Handling) Rules, 1989)

Name of the waste	Quantity authorized	Quantity disposed from Apr 2020-Mar 2021	Method of disposal
Used oil	1000 LPA	990 LPA	Disposed to authorized reprocessing agencies.

PART – E
Solid Wastes

Name of the waste	Quantity disposed from Apr 2020-Mar 2021	Method of disposal
Over burden and mine rejects	Over burden Mine rejects 3,66,785.26 CBM/Annum	Shall be stored in designated area as per the approved mine plan.

PART – F

Please specify the characteristics (in terms of concentration and quantum) of Hazardous as well as solid wastes and indicates disposal practice adopted for both these categories of wastes.

Not applicable

PART – G

Impact of the pollution control measures on conservation of natural resources and consequently on the cost of production.

Not applicable

PART - H

Additional investment proposal for environmental protection including abatement of pollution.

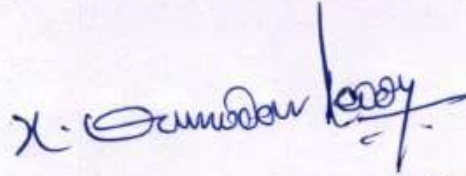
Adequate funds are provided for operation and maintenance of environmental infrastructure and disposal of wastes as per CFO

PART - I

Any other particulars in respect of environment protection and abatement of pollution.

Periodical monitoring of water & air quality is carried out. Extensive green belt is developed, to abate pollution and at the same time improves the surrounding environment.

Signature:



Designation:

**Manager Cum Agent
Andhra Pradesh Granite (Midwest) Pvt.Ltd.,
Survey No. 55/5
R.L. PURAM, Chimakurthy (M),
Prakasam District.**

Annexure-I
Copy of Combined CFE and CFO



ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No.33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet, Vijayawada – 520 010.

RED CATEGORY

COMBINED CONSENT FOR ESTABLISHMENT, OPERATION &
HW AUTHORIZATION ORDER (AFTER EXPANSION)

Consent Order No: APPCB/VJA/NLR/188/HO/CFO/2017-

Date: 21.10.2019

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 & Amendments thereof and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**M/s. Andhra Pradesh Granite (Mid West) Pvt. Ltd.,
Sy. No. 55/5P, Rajupalem – Lakshmipuram (V),
Chimakurthy (M), Prakasam District – 523 226, A.P
E-mail: mlnsharma@midwestgranite.com**

The Consent Order No: APPCB/VJA/NLR/188/HO/CFO/2017-469, Dt:02.06.2017 issued to the industry stands cancelled.

The Board, after careful scrutiny of the application, verification report of Regional Officer and recommendations of the CFO Committee, hereby issues **COMBINED CONSENT FOR ESTABLISHMENT, OPERATION & HWA ORDER** to the activity duly considering the CFE Expansion application and EC expansion order.

(Hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

(i) Outlets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge After Expansion (KLD)	Point of Disposal
1	Domestic	16.0	Septic tank followed by soak pit

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow (m ³ /hr) After Expansion
1	Common stack attached to 200 KVA & 125 KVA D.G. sets (Existing)	---
2	Common stack attached to 500 KVA & 125 KVA D.G. sets (Additional)	---

iii) Hazardous Waste Authorisation (Form – II) [See Rule 6 (2)]:

M/s. Andhra Pradesh Granite (Mid West) Pvt. Ltd. (19.425 Ha), Prakasam District is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

• Hazardous Wastes With Disposal Option:

S. No	Name of Hazardous Waste	Stream	Quantity After Expansion	Method of disposal
1.	Used oil	5.1 of Schedule-I	1000 LPA	Disposed to authorized reprocessing agencies.

This consent order is valid for mining the following quantities only:

S. No	Product	Quantity After Expansion
1	Mining of Black Galaxy Granite in an extent of 19.425 Ha.	54,643 m ³ /annum

This order is subject to the provisions of 'the Acts' and the Rules' and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A, B & C enclosed to this order.

This Combined Order of Consent for Establishment, Operation & HWA (After Expansion) is valid up to 31st July, 2022.

Bandla Siva
Sankar
Prasad
CHAIRMAN

Digitally signed by Bandla Siva Sankar Prasad
DN: c=IN, o=APPCB, ou=EPS and T Head Office, cn=Bandla Siva Sankar Prasad, postalCode=520010, 2.5.4.20=c940d01b7f6f998976702a0cd b9b479454f18c98b21c03bc4777349d65 55b35, st=Andhra Pradesh
Date: 2019.10.22 12:50:29 +05'30'

To

**M/s. Andhra Pradesh Granite (Mid West) Pvt. Ltd.,
Sy. No. 55/5P, Rajupalem – Lakshmipuram (V),
Chimakurthy (M), Prakasam District – 523 226, A.P
E-mail: mlnsharma@midwestgranite.com**

Copy to:

The JCEE, Zonal Office, **Vijayawada** for information and necessary action.

The EE, Regional Office, **Ongole** for information and necessary action.

SCHEDULE-A

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The industry shall carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. The industry shall put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.
4. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
5. The industry shall file the water cess returns in Form-I as required under section (5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5th of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry shall remit water cess as per the assessment orders as and when issued by Board.
6. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E (P) Rules, 1986 & amendments thereof.
7. The applicant shall make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized shall not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.

8. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

SCHEDULE-B

Water Pollution:

1. The following is the permitted water consumption:

S. No	Purpose	Quantity After Expansion (KLD)
1.	Dust suppression & Wire saw cutting	36.0
2.	Development of Greenbelt	20.0
3.	Domestic	4.0
	Total	60.0

Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above for Cess assessment purpose.

2. The mining unit shall not cause ground water pollution in and around the mining area.

Air Pollution:

3. The emissions shall not contain constituents in excess of the prescribed limits mentioned below:

Chimney No.	Parameter	Emission Standards
1 & 2	Particulate matter	115 mg/Nm ³

4. The industry shall comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10µm) - 100 µg/m³; PM_{2.5} (Particulate Matter size less than 2.5 µm) - 60 µg/m³; SO₂ - 80 µg/m³; NO_x - 80 µg/m³, outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)
Night time (10 PM to 6 AM) - 70 dB (A)

5. The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.
6. The industry shall comply with the following for controlling fugitive emissions.
- Machineries shall be properly maintained to prevent undesirable noise. Attention shall be paid towards rigorous maintenance of the silencers of diesel engines
 - Drills should be water-jacked. Local exhaust ventilation systems should be installed at dust generation points and the dust is led to a dust collection system
 - Surface drilling and blasting operations shall not be carried out at night.
 - The drilling shall be done with sharp drilling bits to reduce the generation of noise during drilling
 - Safety equipment shall be given to the mine operators.
 - Periodical monitoring of noise level of mining machines and at some locations in the mining site shall be done with the help of noise level meter.

7. The industry shall provide water sprinklers for wetting the roads and at dust generating sources to control fugitive dust emissions.
8. The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
 - a) Daily production details
 - b) Quantity of effluents generated, treated, recycled / reused and disposed
 - c) Log Books for pollution control systems.
 - d) Characteristics of ambient air, effluents and emissions
 - e) Hazardous / non hazardous Solid waste generated and disposed.
 - f) Inspection book.
 - g) Manifest copies of hazardous waste.
9. The industry shall dispose solid waste (NON HAZARDOUS) as follows :

S. No	Name of the Solid Waste	Quantity After Expansion	Disposal
1.	Over burden & mine rejects	1296760 m ³ /annum	Shall be stored in designated area as per the approved mine plan.

General :

10. **The industry shall handover the Original Consent order dated 02.06.2017 to the RO: Ongole after receipt of this CFO order.**
11. **The industry shall not carry out the mining activity till industry obtains Revocation of Stop Production Order issued on 18.05.2019.**
12. The industry shall maintain the setback distance 7.5 meters buffer zone all around the mine lease area for greenbelt development and other conditions are to be fulfilled.
13. The industry shall allocate sufficient funds for implementation of CSR activities as committed by the representative along with the EMP.
14. The avenue plantation (tall plants), of at least 1.5m height, for 1 km length of the approach road on either side of the road is to be developed and maintained.
15. The industry shall comply with the conditions stipulated in the EC Order Dt.13.09.2019.
16. The industry shall construct graded roads connecting the mining area to the nearby roads to avoid dust nuisance due to vehicular movements.
17. Garland drain and Siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly.
18. The industry shall construct required no. of garland drains to arrest mineral particles being carried away as runoff during rainy seasons around the dump yards. Dimensions of the garland rains shall be based on rainfall data.
19. Soil binding and nitrogen fixing plants shall plant in the mining lease area. Biological reclamation should be done in two phases, the first phase shall be paint appropriate quick growing grass and shrubs and the second phase shall grow slower growing native shrubs and trees.
20. Ground water table level shall be monitored every season. Any lowering of ground water table in comparison to the previous seasons should be reported to Board immediately. Discarded pits should be allowed to fill with water.
21. Vehicles should be well maintained and engine idling should be minimized. Vehicle cabs shall be made dust-proof and to avoid oil spillages within the mining area.
22. The mine rejects shall be stacked in earmarked area as per approved mine plan in a pyramid form with garland drain around the stacking area and mining shall be carried out as per approved mine plan.

23. Suitable tree species should be planted on either side of the haul roads.
24. Greenbelt shall be developed along the boundary of the site and shall develop compensative afforestation at anywhere outside the mining area.
25. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
26. The funds earmarked for environmental protection measures (Capital cost is Rs.52.37 Lakhs and Recurring cost is Rs.35.5 Lakhs/annum) should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Chennai marking a copy to this office.
27. The industry shall comply with standards and directions issued by CPCB/MoEF & CC as and when notifications are issued.
28. The industry shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment & Forests, its Regional Office, Chennai, SEIAA, A.P., Zonal Office of Central Pollution Control Board, Bangalore, District Collector and A.P. Pollution Control Board for every 6 months as on 01st January and 01st July of every year and the same shall be uploaded to the concerned websites.

SCHEDULE – C

[See rule 6 (2)]

[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES]

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the Hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”.
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. An application for the renewal of an authorisation shall be made as laid down under these Rules.
9. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
10. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
11. The authorised person shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
12. The authorised person shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buyback basis.
13. The authorised person shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.

14. The authorised person shall maintain proper records for Hazardous & other wastes stated in Authorization in FORM-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 6 (5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof by June 30th for the period ensuring 31st March of the year.
15. The authorised person shall submit the condition wise compliance report of the conditions stipulated in Schedule A, B & C of this Order on half yearly basis to Board Office and concerned Regional Office.

Bandla Siva
Sankar Prasad

Digitally signed by Bandla Siva Sankar Prasad
DN: c=IN, o=APPCB, ou=EP5 and T Head Office,
cn=Bandla Siva Sankar Prasad,
postalCode=520010,
2.5.4.20-c40c01a7f6f6938976702a0c0b9b479
454f8c08a21c0b0c077349a0c55a15,
st=Andhra Pradesh
Date: 2019.10.22 12:51:08 +05'30'

CHAIRMAN

To

**M/s. Andhra Pradesh Granite (Mid West) Pvt. Ltd.,
Sy. No. 55/5P, Rajupalem – Lakshmipuram (V),
Chimakurthy (M), Prakasam District – 523 226, A.P
E-mail: mlnsharma@midwestgranite.com**

Annexure-II
Copy of Latest Analysis reports



ISO 9001, 14001 & 45001
CERTIFIED COMPANY

LAWN ENVIRO ASSOCIATES

[Engineers & Consultants in Pollution Control]

Recognised by Ministry of Environment Forest & Climate Change (MoEF & CC), GOI, New Delhi
& Laboratory Accredited by NABL

TEST REPORT

Report No: LAWN/APGPL-MD/2021/0356

Format No: LAWN/GF/LAB-418

AMBIENT AIR QUALITY DATA

Name and Address of the Client: **M/s. ANDHRA PRADESH GRANITE (Mid West) PVT .LTD.,**
Sy. No.55/5P (19.425Ha), Rajupalem - Lakshmipuram (V),
Chimakurthy (M), Prakasam (District). - 523 226, A.P.

Date of Report : 05.07.2021 Sample Collected by : Lawn Enviro Associates
Sampling Date : 13.06.2021 Sample Condition : Received in Self sealed Polythene Covers
Sample Received on : 15.06.2021 and Sample Bottles
Analysis Start Date : 15.06.2021 Sampling Procedure : CPCB Guidelines (NAAQMS/36/2012-13)
Analysis Completion Date: 21.06.2021 Weather Conditions : Sunny
Sub Contract Test : Not Given Sample Registration No's: AAQ/06/21-22/1168, 1169, 1170 & 1171
Temperature & Humidity: 38.6°C & 57%

Locations:

1. Project Site : AAQ/06/21-22/1168
2. Main Gate : AAQ/06/21-22/1169
3. RL Puram Village : AAQ/06/21-22/1170
4. Chimakurthy village : AAQ/06/21-22/1171

TEST RESULT

Samples are analyzed "as received basis"

S.No	Parameter	Method	Units	Project Site	Main Gate	RL Puram Village	Chimakurthy village	Standards
1	Sampling Duration	-	Hr	24.0	24.0	24.0	24.0	---
2	Average Flow Rate	-	Cum/ min	1.03	1.09	1.07	1.11	---
3	PM ₁₀	IS 5182 Part :23 - 2017	µg/m ³	75.42	71.50	63.82	60.71	100
4	PM _{2.5}	IS 5182 Part :24 - 2019	µg/m ³	28.65	27.17	24.25	23.06	60
5	SO ₂	IS 5182 Part :2 - 2018	µg/m ³	10.42	12.81	9.64	8.65	80
6	NO ₂	IS 5182 Part :6 - 2017	µg/m ³	20.62	23.73	19.82	17.40	80

Opinion and Interpretation: Nil

Note: i) Test Reports shall not be reproduced except in full, without written approval of the laboratory.

ii) Limit as per CPCB notification, New Delhi, 18th November - 2009(NAAQS), for Ambient Air Quality.

Instrument Details:

1. RESPIRABLE DUST SAMPLER MODEL / SL.NO. RDS 9000 / 050239, CALIBRATED ON 02-01-2021, DUE ON 01-01-2022
2. RESPIRABLE DUST SAMPLER MODEL / SL.NO. RDS 9000 / 040139, CALIBRATED ON 02-01-2021, DUE ON 01-01-2022
3. RESPIRABLE DUST SAMPLER MODEL / SL.NO. RDS 9000 / 060132, CALIBRATED ON 02-01-2021, DUE ON 01-01-2022
4. RESPIRABLE DUST SAMPLER MODEL / SL.NO. RDS 9000 / 070706, CALIBRATED ON 19-05-2021, DUE ON 18-05-2022
1. FINE PARTICULATE SAMPLER / APM 550 (SL.NO. 1333-DTE-2013), CALIBRATED ON 19-05-2021, DUE ON 18-05-2022
2. FINE PARTICULATE SAMPLER / APM 550 (SL.NO. 1351-DTE-2013), CALIBRATED ON 02-06-2021, DUE ON 01-06-2022
3. FINE PARTICULATE SAMPLER / APM 550 (SL.NO. 755-DTE-2011), CALIBRATED ON 02-06-2021, DUE ON 01-06-2022
4. FINE PARTICULATE SAMPLER / APM 550 (SL.NO. 276-DTE-2010), CALIBRATED ON 17-08-2020, DUE ON 16-08-2021

Checked by
(C.Anuradha)
General Manager

Authorized Signatory
(D.Nagarjuna Reddy)
Chief Executive

End of the Report

Head Office : "LAWN HOUSE", #184-C, Vengalrao Nagar, Hyderabad - 500 038. (T.S.) INDIA. Tel : 040-66730925, 66730926, Fax : 040-66730926

Branch Office : H.No.18/2, Ground Floor, Phase-1, Vuda Nagar, Rajiv Nagar Road, Kurmannapalem, Visakhapatnam - 530046. (A.P) Tel : +91-9030029925

E-mail : lawnenviro@yahoo.co.in, Website : www.lawnenviro.com



ISO 9001, 14001 & 45001
CERTIFIED COMPANY

LAWN ENVIRO ASSOCIATES

[Engineers & Consultants in Pollution Control]

Recognised by Ministry of Environment Forest & Climate Change (MoEF & CC), GOI, New Delhi
& Laboratory Accredited by NABL

TEST REPORT

Report No: LAWN/APGPL-MD/2021/0357

Format No: LAWN/GF/LAB-418

AMBIENT NOISE LEVEL DATA

Name and Address of the Client: **M/s. ANDHRA PRADESH GRANITE (Mid West) PVT .LTD.,**
Sy. No.55/5P (19.425Ha), Rajupalem - Lakshmipuram (V),
Chimakurthy (M), Prakasam (District). - 523 226, A.P.

Date of Report : 05.07.2021

Date of Monitoring : 13.06.2021

Sample Registration No's: Noise/06/21-22/4463, 4464, 4465 & 4466

Sample Drawn by : Lawn Enviro Associates

Sub Contract Test : Not Given

Locations:

1. Project Site : Noise/06/21-22/4463
2. Main Gate : Noise/06/21-22/4464
3. RL Puram Village : Noise/06/21-22/4465
4. Chimakurthy village : Noise/06/21-22/4466

TEST RESULT

S. No	Location	Day Time dB(A) Leq	Night Time dB(A) Leq	CPCB Standards	
				Day dB(A)	Night dB(A)
1	Project Site	66.9	56.3	75	70
2	Main Gate	65.2	54.6	75	70
3	RL Puram Village	49.6	41.8	55	45
4	Chimakurthy village	48.5	40.6	55	45

Opinion and Interpretation: Nil

Note: Test Reports shall not be reproduced except in full, without written approval of the laboratory.

Instrument Details:

1. Make - Lutron SL - 4001/G-49271, Calibrated on 24-02-2021, Due on 23-02-2022.
2. Make - Lutron SL - 4001/G-29305, Calibrated on 18-02-2021, Due on 17-02-2022.
3. Make - Kusam - Meco - KM 928 S.No.11060445, Calibrated on 26-12-2020, Due on 25-12-2021.
4. Make - Kusam - Meco - KM 928 S.No.11050411, Calibrated on 26-12-2020, Due on 25-12-2021.

Checked by
(C.Anuradha)
General Manager

Authorized Signatory
(D.Nagarjuna Reddy)
Chief Executive

End of the Report

Head Office : "LAWN HOUSE", #184-C, Vengalrao Nagar, Hyderabad - 500 038. (T.S.) INDIA. Tel : 040-66730925, 66730926, Fax : 040-66730926

Branch Office : H.No.18/2, Ground Floor, Phase-1, Vuda Nagar, Rajiv Nagar Road, Kurmannapalem, Visakhapatnam - 530046. (A.P) Tel : +91-9030029925

E-mail : lawnenviro@yahoo.co.in, Website : www.lawnenviro.com



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LAWN ENVIRO ASSOCIATES

[Engineers & Consultants in Pollution Control]

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& Laboratory Accredited by NABL

TEST REPORT

Report No: LAWN/APGPL-MD/2021/0358

Format No : LAWN/GF/LAB-452

SOIL ANALYSIS

Name and Address of the Client: **M/s. ANDHRA PRADESH GRANITE (Mid West) PVT .LTD.,**
Sy. No.55/5P (19.425Ha), Rajupalem – Lakshmipuram (V),
Chimakurthy (M), Prakasam (District). – 523 226, A.P.

Date of Report	: 05.07.2021	Sample Collected by	: Lawn Enviro Associates
Sample Collection Date	: 13.06.2021	Sample Condition	: Received in Self sealed covers with
Sample Received on	: 15.06.2021		Good condition
Analysis Start Date	: 15.06.2021	Sampling Procedure	: LAWN/ STP /W-WW/S/LAB-211
Analysis Completion Date	: 21.06.2021	Sample Registration No's:	Soil/06/21-22/106
Sub Contract Test	: Not Given	Sample Description	: Soil at Project Site

TEST RESULT

Sample is analyzed "as received basis"

S.No	Parameter	Unit	Method	Result
1	pH @ 25.8°C	--	IS: 2720 Part: 26	7.73
2	Electrical Conductivity	µS/Cm	IS: 14767	268
3	Moisture Content	%	IS: 2720 : Part 2	3.54
4	Organic Carbon	%	IS 2720 : Part 22	0.20
5	Available Calcium as Ca	mg/kg	STI,DA&CMAGOI	869.13
6	Available Magnesium as Mg	mg/kg	STI,DA&CMAGOI	410.36
7	Available Nitrogen as N	Kg/Hac	IS 14684	62.05
8	Available Phosphorus as P	Kg/Hac	STI,DA&CMAGOI	20.68
9	Available Potassium as K	Kg/Hac	STI,DA&CMAGOI	50.30
10	Cadmium as Cd	mg/kg	USEPA 3050B & SW846:7130	<2.0
11	Chromium as Cr	mg/kg	USEPA 3050B & SW846:7190	<2.0
12	Lead as Pb	mg/kg	USEPA 3050B & SW846:7420	<2.0
13	Copper as Cu	mg/kg	USEPA 3050B & SW846:7210	<2.0
14	Zinc as Zn	mg/kg	USEPA 3050B & SW846:7950	27.3

Opinion and Interpretation: Nil

- Reports Pertained only to the submitted sample
- Test Reports shall not be reproduced except in full, without written approval of the laboratory

Checked by
(C.Anuradha)
General Manager

Authorized Signatory
(D.Nagarjuna Reddy)
Chief Executive

End of the Report

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E-mail : lawnenviro@yahoo.co.in, Website : www.lawnenviro.com



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TEST REPORT

Report No: LAWN/APGPL-MD/2021/0359

Format No: LAWN/GF/LAB-417

WATER ANALYSIS

Name and Address of the Client: **M/s. ANDHRA PRADESH GRANITE (Mid West) PVT .LTD.,**
Sy. No.55/5P (19.425Ha), Rajupalem - Lakshmipuram (V),
Chimakurthy (M), Prakasam (District). - 523 226, A.P.

Date of Report	: 05.07.2021	Sample Collected by	: Lawn Enviro Associates
Sample Collection Date	: 13.06.2021	Sample Condition	: Received in Plastic Can
Sample Received on	: 15.06.2021	Sampling Procedure	: LAWN/ STP /W-WW/S/LAB-211
Analysis Start Date	: 15.06.2021	Sample Registration No's:	: W/06/21-22/241
Analysis Completion Date	: 21.06.2021	Sample Description	: Near Project Site, Ground Water
Sub Contract Test	: Not Given		

TEST RESULT

Sample is analyzed "as received basis"

S.No	Parameter	Unit	Method	Result	IS : 10500-2012 (Acceptable Limit)	IS : 10500-2012 (Permissible Limit)
1	pH @ 25.6°C	-	APHA 4500 H+ B	7.48	6.50 - 8.50	No relaxation
2	Color	CU	APHA 2120 B	<5.0	5	25
3	Turbidity	NTU	APHA 2130 B	<0.5	01 Max	05 Max
4	Conductivity @ 25°C	µS/cm	APHA 2510 B	1,824	-	-
5	Total Dissolved Solids	mg/L	APHA: 2540 C	1,130	500 Max	2000 Max
6	Alkalinity as CaCO ₃	mg/L	APHA 2320 B	411.60	200 Max	600 Max
7	Total Hardness as CaCO ₃	mg/L	APHA: 2340 C	529.20	200 Max	600 Max
8	Calcium as Ca	mg/L	APHA 3500 Ca B	129.61	75 Max	200 Max
9	Magnesium as Mg	mg/L	APHA 3500 B	50.00	30 Max	100 Max
10	Chlorides as Cl ⁻	mg/L	APHA 4500 Cl ⁻ B	273.95	250 Max	1000 Max
11	Sulphates as SO ₄ ⁻²	mg/L	APHA 4500 SO ₄ ⁻² E Turbidity Method	63.92	200 Max	400 Max



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TEST REPORT

Report No: LAWN/APGPL-MD/2021/0359

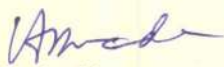
Format No: LAWN/GF/LAB-417


S.No	Parameter	Unit	Method	Result	IS : 10500-2012 (Acceptable Limit)	IS : 10500-2012 (Permissible Limit)
12	Nitrate Nitrogen as N	mg/L	APHA 4500 NO ₃ - B	15.60	45 Max	No relaxation
13	Fluorides as F ⁻	mg/L	APHA 4500 F ⁻ D	0.58	1.0 Max	1.5 Max
14	Sodium as Na	mg/L	APHA 3500 Na B	132	--	--
15	Potassium as K	mg/L	APHA 3500 K B	5.1	--	--
16	Cyanide as CN ⁻	mg/L	APHA 4500 CN ⁻ C,E	<0.05	0.05	No relaxation
17	Iron as Fe	mg/L	APHA 3500 Fe B	<0.3	0.3 Max	No relaxation
18	Hexavalent Chromium as Cr ⁺⁶	mg/L	APHA 3500 Cr B	<0.05	0.05	No relaxation
19	Zinc as Zn	mg/L	APHA 3111 B	1.26	5	15
20	Lead as pb	mg/L	APHA 3111 B	<0.01	0.01	No relaxation
21	Cadmium as Cd	mg/L	APHA 3111 B	<0.003	<0.003	No relaxation
22	Copper as Cu	mg/L	APHA 3111 B	<0.05	<0.05	1.5

Method Follows: APHA 23rd Edition

Opinion and Interpretation: Nil

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Checked by
(C. Anuradha)
General Manager


Authorized Signatory
(D. Nagarjuna Reddy)
Chief Executive

End of the Report

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TEST REPORT

Report No: LAWN/APGPL-MD/2021/0360

Format No: LAWN/GF/LAB-417

WATER ANALYSIS

Name and Address of the Client: **M/s. ANDHRA PRADESH GRANITE (Mid West) PVT .LTD.,**
Sy. No.55/5P (19.425Ha), Rajupalem – Lakshmipuram (V),
Chimakurthy (M), Prakasam (District). – 523 226, A.P.

Date of Report	: 05.07.2021	Sample Collected by	: Lawn Enviro Associates
Sample Collection Date	: 13.06.2021	Sample Condition	: Received in Plastic Can
Sample Received on	: 15.06.2021	Sampling Procedure	: LAWN/ STP /W-WW/S/LAB-211
Analysis Start Date	: 15.06.2021	Sample Registration No's	: W/06/21-22/242
Analysis Completion Date	: 21.06.2021	Sample Description	: RL Puram Village , Ground Water
Sub Contract Test	: Not Given		

TEST RESULT

Sample is analyzed "as received basis"

S.No	Parameter	Unit	Method	Result	IS : 10500-2012 (Acceptable Limit)	IS : 10500-2012 (Permissible Limit)
1	pH @ 25.6°C	-	APHA 4500 H+ B	7.26	6.50 - 8.50	No relaxation
2	Color	CU	APHA 2120 B	<5.0	5	25
3	Turbidity	NTU	APHA 2130 B	<0.5	01 Max	05 Max
4	Conductivity @ 25°C	μS/cm	APHA 2510 B	1,194	--	--
5	Total Dissolved Solids	mg/L	APHA: 2540 C	728	500 Max	2000 Max
6	Alkalinity as CaCO ₃	mg/L	APHA 2320 B	366.3	200 Max	600 Max
7	Total Hardness as CaCO ₃	mg/L	APHA: 2340 C	421.4	200 Max	600 Max
8	Calcium as Ca	mg/L	APHA 3500 Ca B	90.34	75 Max	200 Max
9	Magnesium as Mg	mg/L	APHA 3500 B	47.62	30 Max	100 Max
10	Chlorides as Cl ⁻	mg/L	APHA 4500 Cl ⁻ B	176.11	250 Max	1000 Max
11	Sulphates as SO ₄ ⁻²	mg/L	APHA 4500 SO ₄ ⁻² E Turbidity Method	68.14	200 Max	400 Max



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TEST REPORT

Report No: LAWN/APGPL-MD/2021/0360

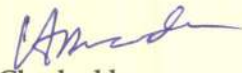
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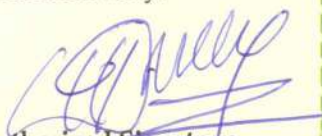
S.No	Parameter	Unit	Method	Result	IS : 10500-2012 (Acceptable Limit)	IS : 10500-2012 (Permissible Limit)
12	Nitrate Nitrogen as N	mg/L	APHA 4500 NO ₃ - B	16.32	45 Max	No relaxation
13	Fluorides as F ⁻	mg/L	APHA 4500 F- D	0.41	1.0 Max	1.5 Max
14	Sodium as Na	mg/L	APHA 3500 Na B	96.8	--	--
15	Potassium as K	mg/L	APHA 3500 K B	3.9	--	--
16	Cyanide as CN ⁻	mg/L	APHA 4500 CN- C,E	<0.05	0.05	No relaxation
17	Iron as Fe	mg/L	APHA 3500 Fe B	<0.3	0.3 Max	No relaxation
18	Hexavalent Chromium as Cr ⁺⁶	mg/L	APHA 3500 Cr B	<0.05	0.05	No relaxation
19	Zinc as Zn	mg/L	APHA 3111 B	1.18	5	15
20	Lead as pb	mg/L	APHA 3111 B	<0.01	0.01	No relaxation
21	Cadmium as Cd	mg/L	APHA 3111 B	<0.003	<0.003	No relaxation
22	Copper as Cu	mg/L	APHA 3111 B	<0.05	<0.05	1.5

Method Follows: APHA 23rd Edition

Opinion and Interpretation: Nil

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Checked by
(C. Anuradha)
General Manager


Authorized Signatory
(D. Nagarjuna Reddy)
Chief Executive

End of the Report

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