

IREP-Pinnapuram/MoEF&CC-SMR/08062022

Date: 08.06.2022

To

**The Additional Principal Chief Conservator of Forest (C)**

**Ministry of Environment, Forest and Climate Change,**

**Regional Office (SEZ),**

**1<sup>st</sup> & 2<sup>nd</sup> Floor, Handloom Export Promotional council.34,**

**Cathedral Garden Road, Nungambakkam,**

**Chennai – 34.**

**Sub: Pinnapuram Integrated RESP-Storage Project (1200 MW) in Kurnool District, Andhra Pradesh implemented by M/s Greenko Energies Pvt. Ltd - Submission of Half Yearly Compliance Report for the period October 2021 – March 2022 -reg**

**Ref: Environmental clearance vide MOEF&CC Letter No. J-12011/12/2018- IA.I.(R) Dated: 14-06-2020.**

Dear Sir,

With reference to the above cited letter, our consultant Mr. Pioneer Enviro Consultants Private Limited, Hyderabad with **Certificate No. NABET/EIA/1922/SA 0148** was prepared & certified our Six-Monthly Compliance Report.

Here with we are submitting "Six Monthly Compliance Report" of Pinnapuram Integrated RESP- Storage Project (1200MW) for the period of **October 2021 – March 2022**.

Thanking You

Yours Sincerely

For **Greenko Energies Private Limited.**

  
**Authorized Signatory**

**Encl: As above**

**CC: 1) Director, EIA Division (River Valley & Hydro Electric Projects) Ministry of Environment, Forest & Climate Change Govt. of India, New Delhi-110003.**  
**2) Member Secretary, A.P. Pollution Control Board, Vijayawada, Andhra Pradesh.**



**PIONEER ENVIRO**  
CONSULTANTS PVT. LTD.

2nd floor, A-Z Elite, Plot No. 197, Kavuri Hills,  
Madhapur, Hyderabad, Telangana - 500081

040-23114270 

info@pioneerenvirolabs.com 

www.pioneerenvirolabs.com 

Date: 08-06-2022

To,  
The Additional Principal Chief Conservator of Forests (C)  
Ministry of Environment, Forest and Climate Change,  
Regional Office (SEZ)  
1<sup>st</sup> and 2<sup>nd</sup> Floor, Handloom Export Promotion Council.  
34, Cathedral Garden Road, Nungambakkam,  
Chennai – 34.

Dear Sir,

**Sub:- Submission of six monthly compliance report on conditions stipulated in Environmental clearance order issued for Pinnapuram Integrated RESP Storage Project (1200 MW) by Greenko Energies Private Limited at Pinnapuram village, Panyam Mandal, Kurnool District, Andhra Pradesh - reg**

**Ref:- Environmental clearance order vide order J-12011/12/2018-IA-I (R) dated: 14th July,2020**

With reference to the above, we would like to bring to your kind notice that we have prepared and verified the six monthly compliance report on conditions stipulated in Environmental clearance order issued for Pinnapuram Integrated RESP Storage Project (1200 MW) by Greenko Energies Private Limited at Pinnapuram village, Panyam Mandal, Kurnool District, Andhra Pradesh, for the period October, 2021 to March, 2022 and certify the same

This is for your kind reference

Thanking you,

Yours faithfully,  
for **PIONEER ENVIRO CONSULTANTS PVT LTD.,**  
(formerly **PIONEER ENVIRO LABORATORIES & CONSULTANTS PVT LTD**)

*Y. Maheshwara Reddy*

**Y. MAHESHWARA REDDY**  
**MANAGING DIRECTOR**

**HALF YEARLY COMPLIANCE TO THE CONDITIONS  
STIPULATED IN ENVIRONMENTAL CLEARANCE ISSUED BY  
MOEF&CC**

**VIDE ORDER NO. J-12011/12/2018-IA-I (R)**

**Dated: 14<sup>th</sup> July,2020**

**Period: Oct 2021 to Mar 2022**

for

**PINNAPURAM INTEGRATED RESP STORAGE PROJECT – 1200 MW**

**by GREENKO ENERGIES PVT. LTD.**

*Pinnapuram village, Panyam Mandal,  
Kurnool District, Andhra Pradesh*

Prepared and verified by



2<sup>nd</sup> Floor, A-Z Elite, Plot No. 197, Kavuri Hills, Guttala Begumpet Village, Madhapur, Hyderabad, Telangana.

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**PEOPLE WHO CARE FOR ENVIRONMENT | SAVE ENVIRONMENT |**

## 1. INTRODUCTION

Pinnapuram IREP has been conceived as integrated project with solar, wind and pumped storage components. GoAP has approved the project with 1000 MW Solar, 550 MW Wind & 1200 MW of Standalone Pumped Storage capacities to be developed in Phase I. All three components of Pinnapuram IREP are in close vicinity of each other and therefore power from all three components will be pooled into common pooling station and will be connected to PGCIL/CTU sub-station at Orvakallu for further supply into the National Grid. Proposed Standalone Pumped Storage Project (1200MW) is a part of Pinnapuram Integrated Renewable Energy Project (IREP). Environmental Clearance has been obtained for Standalone Pumped Storage component only vide order no. J-12011/12/2018-IA.I.(R) dated: 14-06-2020. Proposed project is located near Pinnapuram village in Panyam Mandal, Kurnool District, Andhra Pradesh.

## 2. DETAILS OF THE PROJECT

The Standalone Pumped Storage Component of Pinnapuram IREP envisages construction of upper and lower reservoir near Pinnapuram village in Panyam Mandal of Kurnool District.

The existing Gorakallu balancing reservoir is under operation with a live storage capacity of 12.44 TMC. The filling of the proposed Pinnapuram upper reservoir will be taken up from Gorakallu Reservoir.

Proposed Scheme will involve construction of Rock fill embankments of average height of around 12 m to 14 m with maximum of 33 m height in lower reservoir and 35m in upper reservoir for very short reach for creation of Pinnapuram IREP reservoirs. Intake structure and trash rack for Five numbers of independent penstocks and one number of independent Penstock bifurcated into two will be taking off from Power block of Pinnapuram IREP upper reservoir. A surface Power House will be located on the downstream of the power block and shall be equipped with five vertical-axis reversible Francis type units composed each of a generator/motor and a pump/turbine having generating / pumping capacity of 200MW / 244MW and two units of 100MW / 130MW respectively.

### 3. STATUS OF IMPLEMENTATION OF PROJECT

The company has obtained all statutory permissions for initiating the construction works. The construction works for the proposed project has been initiated and excavation works are in progress.

### 4. COMPLIANCE TO THE CONDITIONS OF ENVIRONMENTAL CLEARANCE

S. No.	EC Conditions	Status of Compliance
	<b>Part-A: Annexure-I (Standard EC Conditions for River Valley and Hydroelectric projects)</b>	
(i)	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	We have obtained In-Principle (Stage-1) Clearance for diversion of 365.66 Ha of Forest land from MoEF&CC vide letter dated 23.04.2020. Final approval/Stage – II Clearance is granted. (Part approval area of only 46.64 ha of the total forest area). with MOEF&CC letter File No.8-32/2019-FC Dated: 24.05.21. Copy of the same is enclosed as Annexure-1.
(ii)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable	Not Applicable as there are no wildlife sanctuaries within 10 Km radius.
(iii)	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The Implementation report shall be furnished along with the six-monthly compliance report, (in case of the presence of Schedule-I Species in the study area).	Site-specific Wildlife Conservation plan for Schedule 1 Species was prepared and submitted to Chief Wildlife Warden vide letter dated 08.05.2020. Subsequent to discussions with State Forest department, revised conservation plan was submitted on 07.09.2021 for approval. Copy of the same is enclosed as Annexure-2
(iv)	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the water (Prevention & Control of	Consent to Establish has been obtained from State Pollution Control Board vide Order letter dated: 07.10.2020. Copy of the same is enclosed as Annexure-3

S. No.	EC Conditions	Status of Compliance
	Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.	
(v)	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDP) of CWC.	Site Specific design Earthquake Parameter report for Pinnapuram PSP was prepared by NGRI Hyderabad and was approved by NCSDP of CWC vide letter dated 16.10.2021. Copy of the same is enclosed as Annexure-4
(vi)	Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs.1,000 crores.	Detailed Project Report has been submitted to Central Electricity Authority (CEA), Government of India for issuance of concurrence and is at advanced stage of approval. For start of excavation activities, CEA has accorded permission vide letter dated 27.05.2020. Copy of the same is enclosed as Annexure-5.
<b>II. Air quality monitoring and preservation</b>		
i.	Regular monitoring of various environmental parameters viz., Water Quality, Ambient Air Quality and Noise levels as per the CPCB guidelines at designated locations shall be carried out on monthly basis and a detailed database of the same shall be prepared and recorded. This shall be used as a baseline data for post construction EIA / Monitoring purposes.	Monitoring of Air quality, Water quality and noise levels will be carried out as per stipulation and copies of the same will be submitted from time to time. Copy of the same is enclosed as Annexure-9.
ii.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed standards.	Air pollution control measures like dust suppression, providing all dust control equipment's for batching plants will be followed.
iii.	Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.	Necessary control measures like water sprinkling arrangements will be taken up to mitigate fugitive dust at all the construction sites
<b>III. Water quality monitoring and preservation</b>		
i.	As the reservoir will be acting as balancing reservoir and there would be fluctuation of water level during peaking period, efforts be	Not Applicable, as the project is an Off-Stream Pumped Storage Project and not a run-off river project.

S. No.	EC Conditions	Status of Compliance
	made to reduce impact on aquatic life including impacts during spawning period both at the upstream and downstream of the project.	
ii.	As the reservoir will be acting as balancing reservoir and there would be fluctuation of water level during peaking period, efforts be made to reduce impact on aquatic life including impacts during spawning period both at the upstream and downstream of the project.	Not Applicable, as the project is an Off-Stream Pumped Storage Project and not a run-off river project.
<b>IV. Noise monitoring and prevention</b>		
i	All the equipment likely to generate high noise shall be appropriately enclosed or inbuilt noise enclosures be provided so as to meet the ambient noise standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act (EPA), 1986.	Being Complied.
ii	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during daytime and 70dB(A) during nighttime.	Being Complied.
<b>V. Waste management</b>		
i	Muck disposal be carried out only in the approved and earmarked sites. The dumping sites shall be located sufficiently away from the HFL of the river. Efforts be made to reuse the muck for construction and other filling purposes and balanced be disposed of at the designated disposal sites. Once the muck disposal sites are inactive, proper treatment measures like both engineering and biological measures be carried out so that sites are stabilized quickly.	Muck is being disposed to the sites earmarked. We hereby assure that we will make efforts to reuse the muck for Embarkment construction and other filling purposes.
ii	Solid waste management should be planned in detail. Land filling of plastic waste shall be avoided and instead be used for various	As stipulated land filling of plastic waste will be avoided.

S. No.	EC Conditions	Status of Compliance
	purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics.	
<b>VI. Green Belt and wildlife Management</b>		
i	Wildlife Conservation Plan approved by the Chief Wildlife Warden shall be implemented in consultation with the local State Forest Department.	We hereby assure that we will implement the Wildlife Conservation Plan approved by the Chief Wildlife Warden. The plan is yet to be approved.
ii	To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EMP report. Plantation to be developed along the periphery of the reservoir in multi-layers with local indigenous species in consultation with the local State Forest Department.	We are in the process of developing plantation as stipulated.
iii	Compensatory afforestation programme shall be implemented as per the plan approved.	Implementation of the afforestation programme shall be undertaken by the State Forest Department.
<b>VII. Public hearing and Human health issues</b>		
i	Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt, if any.	Total private land of 120 ha (297 acres) is being purchased through private negotiations and it is well within the prescribed limits of 5000 acres as notified by the Govt. of Andhra Pradesh and further, in the land procured, there is no habitation present. Hence the provisions of R & R do not apply.
ii	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.	Being Complied. As per CER (Corporate Environment Responsible) Plan, the improvement of basic amenities in the project affected villages were already initiated. Status report on the activities completed and activities in-progress is enclosed as Annexure-6.
iii	Preventive measures viz. fuming and spraying of mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnated pools to	As stipulated, we will implement preventive measures stipulated for mosquito control.



S. No.	EC Conditions	Status of Compliance
	avoid creation of breeding grounds of the vector borne diseases.	
iv	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	As per the stipulation, provision has been made for housing of labour and necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc are being provided.
v	Labour force to be engaged for construction works shall be examined thoroughly and adequately treated before issuing them work permit. Medical facilities shall be provided at the construction sites.	Pre-Medical examination will be done before deputing them for construction works
vi	Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.	Not Applicable, since the project is an Off-Stream Pumped Storage Project and not a run-off river project.
vii	Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Disaster Management Plan	We are in the process of preparing the Emergency preparedness plan for any eventuality of the dam failure and will be implemented as per the Disaster Management Plan
<b>VIII. Corporate Environment Responsibility</b>		
i	The Project Proponent shall comply with the provisions contained in this Ministry's OM Vide F.No. 22-06/2017-1 A. III dated 01.05.2018, as applicable regarding Corporate Environmental Responsibility.	We hereby assure that we will undertake activities as per CER
ii	Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their longtime livelihood generation	Skill Development training for the local youth was already initiated through the Skill Development Center at Gani. So far 25 local youth from affected villages were provided with ITI Training. Further, detailed need assessment and demand survey for skill mapping is underway.
iii	The Company shall have a well laid down environmental policy duly approved by the	Noted.

S. No.	EC Conditions	Status of Compliance
	Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation / violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	
iv	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.	Complied
v	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.	As stipulated, we have earmarked funds for environmental protection measures. Till now we have spent Rs. 71,62,46,274 /- (Seventy one crores sixty two lakhs fourty six thousand two hundred and seventy four rupees only).
vi	Post EIA and SIA be prepared for the project through a third party and evaluation report be submitted to the Ministry after five years of commissioning of the project.	As stipulated, we will prepare Post EIA and SIA through Third party after five years of commissioning of the project.
vii	Multi-Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee	We are in the process of forming a committee with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc for

S. No.	EC Conditions	Status of Compliance
	implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report of the Committee shall be uploaded in the website of the Company.	monitoring the implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. We will upload the report as stipulated
	<b>IX. Miscellaneous</b>	
i	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied, abstract of Environmental Clearance was published in two widely circulated daily newspapers one in vernacular language i.e. Telugu in Sakshi, dt. 01.09.2020 in main edition. The copy of the same is enclosed as Annexure - 7
ii	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied, copies of the Environmental clearance letters were submitted to the local bodies and displayed for 30 days. Copy of the same is enclosed as Annexure-8.
iii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	As stipulated, we will submit the status of compliance of the stipulated environment clearance conditions from time to time
iv	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.	We are herewith submitting the six monthly compliance report for the period October, 2021 to March, 2022
v	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the	We will submit Form – V as stipulated to SPCB during the operation of the project

S. No.	EC Conditions	Status of Compliance
	website of the company.	
vi	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	As stipulated, we will inform the Regional Office as well as the Ministry, the milestones of the project through Half – yearly compliance reports
vii	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	We hereby assure that we will adhere to the stipulations made by the State Pollution Control Board and the State Government
viii	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	We hereby assure that we will abide by all the commitments and recommendations made in the EIA / EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee
ix	No further expansions or modifications in the plant shall be carried out without prior approval of the Ministry of Environmental, Forest and Climate Change (MOEF&CC).	We hereby assure that we will obtain prior approval from MoEF&CC for any further expansions or modifications.
x	Concealing factual data or submission of false / fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	We hereby assure that we will not hide any data and submit false data
xi	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
xii	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	We hereby assure that we will complete these conditions in a time bound manner.
xiii	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the	We hereby assure that we will extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports for monitoring the compliance of

S. No.	EC Conditions	Status of Compliance
	requisite data / information/monitoring reports.	the stipulated conditions
xiv	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	Noted.
xv	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
<b>Part 2 : Additional Conditions</b>		
i	Approval from Competent Authority for allocation of 1.2 TMC of water on a non-Consumptive basis from the Gorakallu Reservoir shall be obtained.	We have obtained necessary approvals from State Govt. for allocation of water from Gorakallu Reservoir vide G.O.Ms 19.07.2018 & 02.12.2020.
ii	The Environment Management Plan (EMP) shall be strictly adhered to as submitted in the EIA/EMP report and a sum of Rs. 11839.55 Lakhs, the budgetary provisions for implementation of EMP, shall be fully utilized and not to be diverted to any other purpose in case of revision of the project cost or due to price level change, the cost of EMP shall also be updated proportionately.	As stipulated, we have earmarked funds for environmental protection measures and we will not divert for any other purpose.
iii	Investment of Rs. 27.35 Crore under Corporate Environmental Responsibility (CER) shall be strictly utilized for the activities proposed as per the ministry's office memorandum dated 01st May,2018. Activities proposed by the project proponent	Being Complied. Corporate Environment Responsibility (CER) plan for improvement of basic infrastructure amenities and other community development activities in the project affected villages have been initiated. The

S. No.	EC Conditions	Status of Compliance
	<p>under CER includes provision to following focus area viz., education (200.00 lakhs) Health care (550.0 lakhs), infrastructure development (Rs. 425.0 lakhs), Skill Development and training for improved job opportunities (Rs.1100.00 lakhs), Common interest activity (Rs.150.00 lakhs), Environmental Conservation and protection Awareness (Rs.15.00 lakhs), Sports (Rs.120.00 lakhs), Agriculture and Animal Husbandry (Rs.75.00 Lakhs) and Rain water Harvesting (Rs.100.00 lakhs). Under CER activities, preference should be given to strengthen the basic amenities in the project affected villages.</p>	<p>status report of CER activities is enclosed as Annexure-6.</p>
iv	<p>The clearance is valid for period of 10 years from the date of issue of this letter for commissioning of the project.</p>	<p>Noted</p>
v	<p>After 5 years of the commissioning of the project, a study shall be undertaken regarding impact of the project on the environmental and the downstream ecology. The study shall be undertaken by an independent agency, decided in consultation with the Ministry.</p>	<p>As stipulated, we will prepare Post EIA and SIA through Third party after five years of commissioning of the project.</p>
vi	<p>Solid waste generated, especially plastic waste, etc. should not be disposed of as landfill material. It should be treated with scientific approach and recycled. Use of single-use plastics may be discouraged.</p>	<p>Plastic waste will be generated mostly during construction stage in the form of packaging material. The waste generated will be send to authorized recycler for the further processing. Generation of plastic waste is not envisaged in the operation stage.</p>
vii	<p>Land acquired for the project shall be suitably compensated in accordance with the law of the land with the prevailing guidelines. Private land shall be acquired as per provisions of Right to Fair Compensation and Transparency in Land Acquisition, rehabilitation and Resettlement Act 2013.</p>	<p>Total private land of 120 ha (297 acres) being purchased through private negotiations and it is well within the prescribed limits of 5000 acres as notified by the Govt. of Andhra Pradesh and further, in the land procured, there is no habitation present. Hence the provisions of R &amp; R do not apply.</p>

S. No.	EC Conditions	Status of Compliance
viii	Necessary permission to be obtained for quarrying construction materials for the project as per the EIA Notification, 2006 and subsequent amendments thereof.	We hereby assure that we will obtain necessary permission for quarrying construction materials for the project as per the EIA Notification, 2006 and subsequent amendments thereof
ix	Preference to be given to the local villagers as per the requirements and suitability, in the job/other opportunities in the project, etc.	We hereby assure that local villagers will be given preference, as per the requirements and suitability, in the job/other opportunities in the project.
x	Measures to be taken to develop skills of the local villagers particularly with respect to the trades related to construction works such as electrician, welders, fitters, etc.	The Skill Development training for the local youth was already initiated through the Skill Development Centre at Gani Location. Till now, 25 local youth from affected villages have completed ITI Training in various trades. In addition, need assessment and demand survey for skill mapping is under progress.
xi	All required permission if any should be taken for the proposed Muck Dumping areas. Adequate protection measures should be taken up to avoid any spillage of the muck to the adjoining agricultural fields.	Muck will be disposed in the designated areas only. We hereby assure that we will take all measures to avoid spillage of the muck to the adjoining agricultural fields.
xii	Under CER activities, preference should be given to strengthen the basic amenities in the project affected villages like maintaining drinking water supply, providing health care facilities, etc.	Being Complied. Under the infrastructure development and Health care, large number of initiatives is being taken up for providing drinking water supply and primary health service in the project affected villages. The list of activities undertaken as part of CER is enclosed in Annexure-6
xiii	Preference to be given to the local villagers as per the requirements and suitability, in the job/ other opportunities in the project.	We hereby assure that local villagers will be given preference, as per the requirements and suitability, in the job/other opportunities in the project.
xiv	Measures to be taken to develop skills of the local villagers particularly with respect to the trades related to construction works such as electrician, welder, fitter, etc.	The Skill Development training for the local youth was already initiated through the Skill Development Centre at Gani Location. Till now, 25 local youth from affected villages have completed ITI Training in various trades. In addition,

S. No.	EC Conditions	Status of Compliance
		need assessment and demand survey for skill mapping is under progress.
xv	Approval of the Central Electricity Authority may be obtained for 1200 MW Pumped Storage Project	Detailed Project Report has been submitted to Central Electricity Authority (CEA), Government of India for issuance of concurrence and is at advanced stage of approval. For start of excavation activities, CEA has accorded permission vide letter dated 27.05.2020. Copy enclosed at Annexure-5.
xvi	Any other clearance from any other organization/departments as applicable to the project shall be obtained.	We have obtained all necessary clearances required before taking up the construction activities.



## ANNEXURES

Annexure no.	
1	Forest clearance copy
2	Revised Conservation plan submission letter
3	CFE copy
4	Site Specific Seismic study report certified by Central Water Commission
5	Permission issued for CEA for excavation
6	Status of CER activities
7	Copy of the paper advertisement
8	Letter submitted to Local bodies for keeping EC copy
9	Environmental Monitoring reports
10	NABET certificate (Pioneer Enviro Consultants Pvt. Ltd.)

File No. 8-32/2019-FC  
 Government of India  
 Ministry of Environment, Forest and Climate Change  
 (Forest Conservation Division)  
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Indira Paryavaran Bhawan  
 Aliganj, Jorbagh Road  
 New Delhi - 110003  
 Dated: 23<sup>rd</sup> April, 2020

To,

The Principal Secretary (Forests),  
 Department of Forest and Environment,  
 Government of Andhra Pradesh,  
 Amravati.

**Sub: Proposal for diversion of 365.66 hectare (i.e. 319.02 ha. for Lower Reservoir + 22.50 ha. for Power House & TRC Outlet + 6.96 ha. for Penstock + 8.02 Ha for Intake Structure + 2.43 ha. for Tail Race Channel and 6.73 ha. for Internal Roads) of forest land in Compartment Nos. 113, 114, 115, 116 and 117 of Gani RF, Kurnool Range, Kurnool Division for establishment of Integrated Renewable Energy Project, Pinnapuram in favour of M/s Greenko Energies Pvt. Ltd., Hyderabad-regarding.**

Sir,

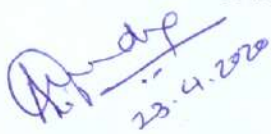
I am directed to refer to the Government of Andhra Pradesh's letter No.1926/Section. II/2019 dated 12<sup>th</sup> November, 2019 on the subject mentioned above seeking prior approval of the Central Government under Section-2 of the Forest (Conservation) Act, 1980 and to say that the said proposal has been examined by the Forest Advisory Committee (FAC) constituted by the Central Government under Section-3 of the aforesaid Act.

2. After careful examination of the proposal of the State Government and on the basis of the recommendations of the Forest Advisory Committee, *in-principle/ Stage-I* approval of the Central Government is hereby accorded for non forestry use of forest land having extent 365.66 hectare (i.e. 319.02 ha. for Lower Reservoir + 22.50 ha. for Power House & TRC Outlet + 6.96 ha. for Penstock + 8.02 Ha for Intake Structure + 2.43 ha. for Tail Race Channel and 6.73 ha. for Internal Roads) in Compartment Nos. 113, 114, 115, 116 and 117 of Gani RF, Kurnool Range, Kurnool Division for establishment of Integrated Renewable Energy Project, Pinnapuram in favour of M/s Greenko Energies Pvt. Ltd., Hyderabad, subject to the fulfilment of following conditions:


- i. Legal Status of the diverted forest land shall remain unchanged;
- ii. **User Agency shall submit the approved Detailed Project Report (DPR) through the State Government;**
- iii. **The forest compartments (compartment Nos. 113, 114, 115, 116 and 117), which are getting adversely affected will be taken care of and afforestation (for improving canopy density from 'open' to 'moderately dense forest') will be taken up by the Forest Department at the cost of User Agency only to stabilize the rim of the reservoir i.e. 100 mts from the periphery of the HFL. Rest of the forest areas of affected compartments shall be taken up for improving canopy density through NPV, collected from this project;**
- iv. **User Agency will allow use of road infrastructure within project area to common public;**
- v. **As per site inspection report, over an extent of 8.15 ha within the 408.68 ha of non-forest land surveyed for compensatory afforestation are in the nature of streams / cart road / government lands etc. Hence, this 8.15 ha area shall be demarcated suitably;**

  
 23.4.2020

- vi. **The User Agency shall raise avenue plantation on either side of the road proposed in the proposal, at the project cost;**
- vii. **Compensatory afforestation:**
- a) Compensatory afforestation shall be taken up by the Forest Department over 400.53 ha Non-forest land (land in Mangupalli Village, Sy.No.1 to 65 and Kamireddipadu in Sy. Nos.3 to 170 Ananthapuram Mandal, of SPSR Nellore District) at the cost of the User Agency. As far as practicable a mixture of local indigenous species will be planted and monoculture of a species has to be avoided.
- b) The non-forest land proposed for CA shall be transferred and mutated in the name of Forest Department and notified as RF/PF prior to Stage-II approval. A copy of the original notification declaring the non-forest land under Section 4 or Section 29 of the Indian Forest Act, 1927, or under the relevant section of the State Forest Act as the case may be, will be submitted by the State Government prior to Stage-II approval;
- viii. The cost of compensatory afforestation at the prevailing wage rates as per compensatory afforestation scheme and the cost of survey, demarcation and erection of permanent pillars if required on the CA land shall be deposited in advance with the Forest Department by the project authority. The CA will be maintained for 10 years. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years;
- ix. **NPV:**
- a) The State Government shall charge the Net Present Value(NPV) for the 365.66 ha forest area to be diverted under this proposal from the User Agency as per the orders of the Hon'ble Supreme Court of India dated 30/10/2002, 01/08/2003, 28/03/2008, 24/04/2008 and 09/05/2008 in IA No. 566 in WP (C) No. 202/1995 and as per the guidelines issued by the Ministry vide letters No. 5-1/1998-FC (Pt.II) dated 18/09/2003, as well as letter No. 5-2/2006-FC dated 03/10/2006 and 5-3/2007-FC dated 05/02/2009 in this regard.
- b) Additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall be charged by the State Government from the User Agency. The User Agency shall furnish an undertaking to this effect.
- x. ***The State Government shall submit a certificate certifying that no schemes/programmes with respect to plantation have been proposed or undertaken in the land identified for taking up Compensatory afforestation in last 10 years;***
- xi. The cost of felling of trees shall be deposited by the User Agency with the State Forest Department;
- xii. Copy of approved Catchment Area Treatment (CAT) Plan, **if applicable** shall be submitted in accordance to para no. 4.8 (i) of Forest (Conservation) Act, 1980 Handbook and commensurate funds shall be deposited in the account of CAMPA through on-line portal;
- xiii. The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the concerned District Collector.
- xiv. All the funds received from the user agency under the project shall be transferred/ deposited to CAMPA fund only through e-portal (<https://parivesh.nic.in/>);
- xv. The land identified for the purpose of CA shall be clearly depicted on a Survey of India top-sheet of 1:50,000 scale;
- xvi. The admissible non-forest land shall be identified for raising compensatory afforestation and the same shall be transferred and mutated in favour of the State Forest Department before issue of the Stage-II clearance. The non-forest land identified for raising Compensatory Afforestation

A handwritten signature in blue ink, followed by the date "23.4.2020" written below it.


- shall be notified by the State Government as Reserve Forest under Section-4 or Protected Forest under Section-29 of the Indian Forest Act, 1927 or under the relevant Section(s) of the local Forest Act, as the case may be, within a period of six months;
- xvii. The User Agency shall transfer the cost of raising and maintaining the compensatory afforestation at the current wage rate in consultation with State Forest Department in the account of Ad-hoc CAMPA of the concerned State through online portal. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years;
- xviii. At the time of payment of the Net Present Value (NPV) at the then prevailing rate, the User Agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;
- xix. The Forest clearance will be for a period co terminus with the lease period specified in the lease agreement. The State Government will submit the lease agreement document specified in the lease agreement;
- xx. The user agency shall implement the R&R Plan as per the R&R Policy of State Government in consonance with National R&R Policy, Government of India before the commencement of the project work. The said R&R Plan will be monitored by the State Government/Regional Office of MoEF &CC along with indicators for monitoring and expected observable milestones, **if applicable**;
- xxi. The User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required;
- xxii. The user agency shall carry out muck disposal at pre designated sites in such a manner so as to avoid its rolling down;
- xxiii. The dumping area for muck disposal shall be stabilized and reclaimed by planting suitable species by the user agency at the cost of project under the supervision of State Forest Department. Retaining walls and terracing shall be carried out to hold the dumping material in place. Stabilization and reclamation of such dumping sites shall be completed before handing over the same to the State Forest Department in a time bound manner as per Plan;
- xxiv. The State Government and the user agency shall ensure that the tress available between full reservoir level (FRL) and FRL-4 meters are not felled;
- xxv. The User agency shall undertake afforestation along the periphery of the reservoir;
- xxvi. User agency shall provide free water for the forestry related projects;
- xxvii. No labour camp shall be established on the forest land and the User Agency shall provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas;
- xxviii. The boundary of the diverted forest land, mining lease and safety zone, as applicable, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates;
- xxix. The layout plan of the proposal shall not be changed without the prior approval of the Central Government and the forest land shall not be used for any purpose other than that specified in the proposal;
- xxx. The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government;
- xxxi. No damage to the flora and fauna of the adjoining area shall be caused;
- xxxii. The user agency shall explore the possibility of translocation of maximum number of trees identified to be felled and shall ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department;
- xxxiii. User agency either himself or through the State Forest Department shall undertake gap planting and soil & moisture conservation activities. The plan for plantation and SMC activities will be prepared and submitted to MoEF &CC prior to Stage-II Clearance;
- xxxiv. The User Agency shall submit the annual self-compliance report in respect of the above stated conditions to the State Government, concerned Regional Office and to this Ministry by the end of March every year regularly;

  
23.4.2020

- xxxv. The Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the para 1.21 of comprehensive guidelines issued vide this Ministry F. No.5-2/2017-FC dated 28th March, 2019;
- xxxvi. Any other condition that the concerned Regional Office of this Ministry may stipulate with the approval of competent authority in the interest of conservation, protection and development of forests & wildlife; and
- xxxvii. The user agency shall comply all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project.
- xxxviii. The compliance report shall be uploaded on e-portal (<https://parivesh.nic.in/>).

After receipt of compliance report on fulfillment of the conditions mentioned above, the proposal shall be considered for final approval under Section-2 of the Forest (Conservation) Act, 1980. Transfer of forest land shall not be effected till final approval is granted by the Central Government in this regard.

Yours faithfully,



23.04.2020

(Brijendra Swaroop)

Dy. Inspector General of Forests

**Copy to:-**

1. The PCCF (HoFF), Department of Forest, Government of Andhra Pradesh, Amravati.
2. The DDGF (Central), Regional Office (SEZ), MoEF&CC, Chennai.
3. The Nodal Officer (FCA), Department of Forest, O/o PCCF, Government of Andhra Pradesh, Amravati.
4. User Agency.
5. Monitoring Cell, Forest Conservation Division, MoEF&CC, New Delhi.
6. Guard File.

Government of India  
Ministry of Environment, Forest and Climate Change  
(Forest Conservation Division)

\*\*\*\*\*

**Indira Paryavaran Bhawan**  
Aliganj, Jorbagh Road  
New Delhi - 110003  
Dated: 24th May, 2021

To,  
**The Special Chief Secretary (Forests),**  
Department of Forest and Environment,  
Government of Andhra Pradesh,  
Amravati.

**Sub: Proposal for diversion of 365.66 hectare (i.e. 319.02 ha. for Lower Reservoir + 22.50 ha. for Power House & TRC Outlet + 6.96 ha. for Penstock + 8.02 Ha for Intake Structure + 2.43 ha. for Tail Race Channel and 6.73 ha. for Internal Roads) of forest land in Compartment Nos. 113, 114, 115, 116 and 117 of Gani RF, Kurnool Range, Kurnool Division for establishment of Integrated Renewable Energy Project, Pinnapuram in favour of M/s Greenko Energies Pvt. Ltd., Hyderabad - regarding.**

*( This Final approval/Stage - II Clearance is granted under Section-2 (ii) of the Forest (Conservation) Act, 1980 for an area of only 46.64 ha of the total forest area)*

Madam/Sir,

I am directed to refer to the Government of Andhra Pradesh's letter No.1926/Section. II/2019 dated 12<sup>th</sup> November, 2019 on the subject mentioned seeking prior approval of the Central Government under Section-2 of the Forest (Conservation) Act, 1980 and to say that the said proposal has been examined by the Forest Advisory Committee (FAC) constituted by the Central Government under Section-3 of the aforesaid Act. After careful examination of the proposal of the State Government and on the basis of the recommendations of the Forest Advisory Committee, *in-principle/ Stage-I* approval of the Central Government was accorded vide this Ministry's letter dt 23.04.2020 subjected to fulfillment of certain conditions. The State Government has furnished compliance report expect of mutating, transferring and notifying the entire identified CA land due to the ongoing Covid pandemic situation. The State govt. has notified an area of 62.99 ha of identified non-forest land in respect of the conditions stipulated in the Stage-I approval and has requested the Central Government to grant final approval with a request to allow them to start construction within the proposed diversion area for critical components of the project, such as Power Houser & TRC outlet (22.50 ha.), pen Stock (6.96 ha), Intake structure (8.02 ha), tail race channel (2.432 ha) and internal roads (6.73 ha),

totalling to 46.64 ha, out of 365.66 ha required for the project.

2. In this connection, I am directed to say that on the basis of the request, compliance report and the additional information furnished by the Government of Andhra Pradesh vide their letters dated 08.08.2020, 25.08.2020, 16.10.2020, 08.01.2021, 22.01.2021, 05.02.2021 and 19.04.202, **the Final approval/Stage - II Clearance (part approval for an area of 46.64 ha) of the Central Government is hereby granted under Section-2 (ii) of the Forest (Conservation) Act, 1980 for an area of 46.64 ha** to facilitate early start of work on certain components of the project in the proposed diversion area for the critical components of the project like "Power house & TRC outlet (22.50ha.), Pen stock (6.96 ha.), Intake structure (8.02 ha.), Tail race channel (2.43 ha.) and internal roads (6.73 ha.) altogether in 46.64 ha, out of 365.66 ha for the proposal for diversion of 365.66 hectare (i.e. 319.02 ha. for Lower Reservoir + 22.50 ha. for Power House & TRC Outlet + 6.96 ha. for Penstock + 8.02 Ha for Intake Structure + 2.43 ha. for Tail Race Channel and 6.73 ha. for Internal Roads) of forest land in Compartment Nos. 113, 114, 115, 116 and 117 of Gani RF, Kurnool Range, Kurnool Division for establishment of Integrated Renewable Energy Project, Pinnapuram in favour of M/s Greenko Energies Pvt. Ltd., Hyderabad, subject to the following conditions: -

**A: Conditions which need to be complied prior to handing over of forest land to user agency by the State Govt.:**

- i. User Agency may submit an undertaking stating that the remaining identified CA land i.e 337.54 ha (400.53-62.99 ha) area will be transferred, mutated and notified in the name of forest Dept. with a period of three months of handing over the forest land by the State Govt;
- ii. The State Govt. shall ensure the complete compliance on FRA, 2006; It should also be ensured that the FRA certificate issued by District collector is complete with letter number, date, name, signature and official seal, as required in the certificate;
- iii. The State Govt. shall ensure that the boundary of the diverted forest land, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates;
- iv. The proposed forest land i.e. 46.64 ha shall be handed over to the User Agency only after when the User Agency has acquired the required non-forest land i.e 62.99 ha , if any, for the project;
- v. The User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required;
- vi. The State Government shall upload the kml files of the area under diversion and the accepted Non-forest land for raising compensatory afforestation in the E-Green Watch portal of FSI, before handing over forest land to the user

agency;

**B: Conditions which need to be complied after handing over of forest land to the user agency by the State Govt.:**

- i. Legal status of the forest land shall remain unchanged.
- ii. The State govt. may ensure that the remaining identified CA land i.e 337.54 ha (400.53-62.99 ha) area shall be transferred and mutated in the name of Forest Department and notified as RF/PF with **three** months from handing over the forest land to the User Agency. A copy of the original notification declaring the non-forest land under Section 4 or Section 29 of the Indian Forest Act, 1927, or under the relevant section of the State Forest Act as the case may be, will be submitted by the State Government;
- iii. **The State Govt. should ensure that the forest compartments (compartment Nos. 113, 114, 115, 116 and 117), which are getting adversely affected may be taken care of and afforestation (for improving canopy density from 'open' to 'moderately dense forest') may be taken up by the Forest Department at the cost of User Agency only to stabilise the rim of the reservoir i.e. 100 mts from the periphery of the HFL. Rest of the forest areas of affected compartments shall be taken up for improving canopy density through NPV, collected from this project;**
- iv. **The State Govt. should ensure that the user Agency will allow use of road infrastructure within project area to common public;**
- v. **The State Govt. should ensure that as per site inspection report, over an extent of 8.15 ha within the 408.68 ha of non-forest land surveyed for compensatory afforestation are in the nature of streams / cart road / government lands etc. Hence, this 8.15 ha area shall be demarcated suitably;**
- vi. **The State Govt. should ensure that the the User Agency shall raise avenue plantation on either side of the road proposed in the proposal, at the project cost;**
- vii. Compensatory afforestation shall be taken up by the Forest Department over 62.99 ha non-forest (part area) land in Sy.Nos.7-2, 9-5 etc., Kamireddipadu Village of Ananthasagaram Mandai at the cost of the user agency. As far as possible, a mixture of local indigenous species shall be planted and monoculture of any species may be avoided.
- viii. User Agency shall restrict the felling of trees to minimum numbers in the diverted forest land and trees shall be felled under strict supervision of the State Forest Department.
- ix. The felling of trees shall be restricted to FRL-4 meter only and felling of trees shall be carried out by the State Forest Department. Number of trees to be removed shall be kept at barest minimum during the execution of the project.
- x. The Catchment Area Treatment Plan (CAT) shall be implemented as per approved scheme if applicable;



- xi. User agency shall undertake afforestation along the periphery of the reservoir.
- xii. The layout plan of the proposal shall not be changed without prior approval of Central Government.
- xiii. No labour camp shall be established on the forest land.
- xiv. Sufficient firewood, preferably the alternate fuel, shall be provided by the User Agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternate fuel.
- xv. The User Agency shall provide free water from the project for all forestry related activities;
- xvi. No damage to the flora and fauna of the adjoining area shall be caused;
- xvii. The concerned Divisional Forest Officer will monitor and take necessary mitigative measures to ensure that there is no adverse impact on the forests in the surrounding area;
- xviii. The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer.
- xix. No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.
- xx. The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less.
- xxi. The User Agency and the State Government shall ensure compliance of all the Court orders, provisions, rules, regulations and guidelines for the time being in force as applicable to the project.
- xxii. The forest land shall not be used for any purpose other than that specified in the project proposal.
- xxiii. The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department or person without prior approval of Govt. of India.
- xxiv. No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work;
- xxv. Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MoEF&CC Guideline F. No. 11-42/2017-FC dt 29/01/2018. Any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife.
- xxvi. The State Government and user agency shall ensure compliance to all conditions stipulated in the Stage-I approval letter dated 23.04.2020 for which

undertakings have been obtained from the user agency and also the provisions of the all Acts, Rules, Regulations and Guidelines, relevant Hon'ble Court Order (S) and NGT Order (S), if any, pertaining to this project for the time being in force, as applicable to the project.

After receipt of complete compliance report i.e. mutating, transferring and notifying the remaining CA land area i.e. 337.54 ha (400.53 -62.99 ha) , the central government will be according the final approval/Stage-II for the remaining area of 319.06 ha out of 365.66 hectare of forest land in Compartment Nos. 113, 114, 115, 116 and 117 of Gani RF, Kurnool Range, Kurnool Division for establishment of Integrated Renewable Energy Project, Pinnapuram in favour of M/s Greenko Energies Pvt. Ltd.

Yours faithfully,  
Sd/-

**(Sandeep Sharma)**

Assistant Inspector General of Forests

**Copy to:-**

1. The PCCF (HoFF), Government of Andhra Pradesh, Amravati.
2. The Regional Officer, Integrated Regional Office, MoEF&CC, Vijayawada.
3. The Nodal Officer (FCA), Government of Andhra Pradesh, Amravati.
4. User Agency.
5. Monitoring Cell, Forest Conservation Division, MoEF & CC, New Delhi.

## Greenko Energies Private Limited

(CIN:U40109TG2000FTC034990)



GEPL/CLW/EC/210907

Date: 07-09-2021

To

Chief Wildlife Warden  
Govt. of Andhra Pradesh  
Aranya Bhawan, K.M. Munshi Road.  
Nagarampalem, Guntur-522004

**Sub:** Pinnapuram IREP (1200 MW) - Pumped Storage Project in Kurnool District of Andhra Pradesh by M/s Greenko Energies Pvt. Ltd - **Submission of Wildlife Conservation Plan for Peafowl & Blackbuck-Approval-reg**

**Ref:** 1. Environmental Clearance granted by MOEF & CC vide letter dated 14-07-2020

Sir,

With reference to the above-mentioned subject matter, it is submitted that MoEF & CC (IA-Division), New Delhi vide ref (1) above has granted Environmental Clearance for construction of 1200 MW Pinnapuram Standalone Pumped Storage Project near Village Pinnapuram, Kurnool District of Andhra Pradesh. It is also pertinent to mention that the project was also granted State I Forest Clearance in April 2020 and Stage II Forest Clearance (Part) in May 2021.

As per the stipulations of Environmental Clearance granted by MoEF&CC, a Site-Specific Conservation & Wildlife Management Plan shall be prepared for the Schedule-I species and approved by Chief Wildlife Warden.

In pursuant to the said directions, a Wildlife Management Plan for Schedule-I species i.e. Peafowl and Blackbuck was prepared and is herewith submitted for your kind approval. You are requested to kindly approve the said Wildlife Conservation Plan for Schedule-I species at the earliest so that necessary compliance is submitted to MoEF & CC.

Thanking you,  
Yours sincerely,  
For Greenko Energies Private Limited.

N. Gowri Krishna



Authorized Signatory

Encl: As above



**ANDHRA PRADESH POLLUTION CONTROL BOARD**

D. No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,  
Chalamalavari Street, Kasturibaipet, Vijayawada - 520 010  
Website: www.pcb.ap.gov.in

**CONSENT ORDER FOR ESTABLISHMENT****Order No.310/APPCB/CFE/RO-KNL/HO/2020****07/10/2020**

Sub:APPCB – CFE - **M/s Greenko Energies Pvt. Ltd (GEPL), at Pinnapuram (V), Panyam (M), Kurnool District** – Consent for Establishment of the Board **Pumped Storage Hydel Power Project** under Sec.25 of Water (P & C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 - Issued - Reg.

- Ref:
1. EC Order dt.14.07.2020 issued by MoEF & CC, Gol, New Delhi.
  2. Industry's application received on 21.08.2020.
  3. R.O's inspection report dt.24.09.2020.
  4. CFE Committee meeting held on 30.09.2020.
  5. Industry's Ir. dt. 29.09.2020 & 30.09.2020.

1. In the reference 3<sup>rd</sup> cited, an application was submitted to the Board seeking Consent for Establishment (CFE) to establish integrated plant of Pumped Storage Hydel Power project with installed capacities as mentioned below, with a project cost of **Rs.5468.02 Crores**.

S. No.	Name of the Activity	Capacity
1.	Electric power generation by Standalone Pumped Storage Plant	1200 MW

Energy consumption during pumping (LR to UR) & details of units		
Description	Turbine mode	Pump mode
Unit Capacity	200MW	244MW
Unit Capacity	100MW	130MW
Head	119.27m	125.77m
Duration	8.00hr	8.73hr
<b>Annual Energy</b>		
Generation	3376 MU	--
Consumption	--	4479MU
Generation capacity per day	1200MW(i.e 200*5 +100*2)	
Pumping capacity per day	1480MW (i.e 244*5 +130*2)	

Water is to be drawn from existing Gorakallu reservoir to fill up Pinnapuram reservoirs of capacity 1.2 TMC. This water is to be used to generate electricity (hydel power) through pumped storage system.

2. The proposed Standalone Pumped Storage Project to generate 1200MW hydel power is a part of Pinnapuram Integrated Renewable Energy Project (IREP) Pinnapuram. IREP has been conceived as integrated project with solar, wind and pumped storage components. Government of A.P. has approved the project with 1000 MW Solar, 550 MW Wind & 1200MW hydel power from Standalone Pumped Storage capacities to be developed in Phase I. All three components of Pinnapuram IREP are in close vicinity of each other and therefore power from all three components will be pooled into common pooling station and will be connected to PGCIL/CTU sub-station at Orvakallu for further supply into the National Grid.

CPCB vide Ir.dt.18.01.2017 had classified the "Solar Power generation through solar photo voltaic cell plants of all capacities", "wind power plants of all capacities" and "Mini Hydel Power plants of capacity less than 25 MW" under "White category". The white category industries need not obtain consent of the State PCB. An intimation to the SPCB is sufficient.

In the reference 1st cited, the industry has obtained EC for installation of an integrated plant of Hydel power (1200 MW) stand alone pumped storage component of Pinnapuram Integrated Renewable Energy project at Pinnapuram (V), Panyam (M), Kurnool District.

3. As per the application, the above activity is to be located at **Pinnapuram (V), Panyam (M), Kurnool District** in an area of 1763.42 acres.

4. The above site was inspected by the Environmental Engineer, Regional office, Kurnool, A.P Pollution Control Board on 25.08.2020 and found that the site is surrounded by

<b>North</b>	: Agricultural lands
<b>South</b>	: Pinnapuram village
<b>East</b>	: Agricultural lands followed by Ghani RF
<b>West</b>	: Agricultural lands and Ghani RF

5. The Board, after careful scrutiny of the application, verification report of Regional Officer and recommendations of the CFE Committee, hereby issues **CONSENT FOR ESTABLISHMENT** to your project Under Section 25 of Water (Prevention & Control of Pollution) Act, 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to the activity as mentioned at Para (1) only.**

6. This Consent Order now issued is subject to the conditions mentioned in Annexure.

7. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

**8. This order is valid for a period of 7 years from the date of issue.**

Encl: Annexure.

**BATCHU SIVA PRASAD, JCEE(BSP), O/o JOINT CHIEF ENVIRONMENTAL  
ENGINEER1-APPCB  
Joint Chief Environmental Engineer**

**To**  
**M/s. Greenko Energies Pvt. Ltd (GEPL),**  
**Pinnapuram (V), Panyam (M),**  
**Kurnool District.**  
gopikrushna.n@greenkogroup.com

**Copy to:** 1. The JCEE, Z.O: Kurnool for information and necessary action.  
2. The E.E., R.O: Kurnool for information and necessary action.

**ANNEXURE**

1. Separate energy meter shall be provided for Sewage Treatment Plant (STP) to record energy consumed.
2. The proponent shall obtain Consent for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.

**WATER:**

3. Water is to be drawn from existing Gorakallu reservoir to fill up Pinnapuram reservoirs of capacity 1.2 TMC. This water is to be used to generate electricity (hydel power) through pumped storage system. In addition to above, the maximum permitted water consumption from **Gorakallu Reservoir** is as following:

S. No.	Purpose	Quantity (KLD)
a.	Green belt	10
b.	Domestic	90
	<b>Total</b>	<b>100 KLD</b>

Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purpose mentioned below.

4. The maximum Waste Water Generation (KLD) shall not exceed the following:

S. No.	Source	Quantity (KLD)
a.	Domestic	72
	<b>Total</b>	<b>72 KLD</b>

**ETP Details & Mode of Disposal :**

Source of effluent	Treatment	Mode of final disposal
Domestic	Sewage Treatment Plant	To be utilized for on land gardening after conforming to on land for irrigation standards.

**Hazardous / Solid Waste details:**

S. No.	Name of the Waste	Quantity	Proposed Disposal Option
1.	Waste oil	500 Ltrs/annum	To authorized Re-processors / Recyclers / to the Cement industries for co-processing in the kiln.
2.	Used lead acid batteries	15 Nos./annum	To dealers on buy back system

3	Muck	90 TPM	To be disposed into designated sites away from the HFL of the river.
4	Sludge from STP	10 kg/day	TSDf for secured land filling (or)  To store in HDPE bags and reuse as manure for greenbelt development
5	Municipal Solid Waste	360 kg/day	To be converted into manure through Organic waste converter/Composting

**6. Air pollution:**

S. No.	Details of Stack	Stack 1	Stack 2	Stack 3	Stack 4	Stack 5
a)	Attached to:	DG set (for standby operations for upstream intake)	DG set (for standby operations for upstream intake)	DG set (for standby operations for Power house)	DG set (for standby operations for Power house complex)	DG set (for standby operations for downstream intake)
b)	Capacity	75 KVA	125 KVA	500 KVA	500 KVA	75 KVA
c)	Name of the Fuel	Diesel	Diesel	Diesel	Diesel	Diesel
d)	Stack height	6 m	6.5m	8.5m	8.5m	6m
e)	Air Pollution Control Equipment	Silencer with acoustic enclosure	Silencer with acoustic enclosure	Silencer with acoustic enclosure	Silencer with acoustic enclosure	Silencer with acoustic enclosure

S. No.	Details of Stack	Stack 6	Stack 7	Stack 8	Stack 9	Stack 10
a)	Attached to:	DG set (for standby operations for downstream intake)	DG set (for standby operations for workshop)	DG set (for standby operations for workshop)	DG set (for standby operations for workshop, store, stock yard)	DG set (for standby operations for Pressure shaft)
b)	Capacity	125 KVA	200 KVA	300 KVA	125 KVA	300 KVA
c)	Name of the Fuel	Diesel	Diesel	Diesel	Diesel	Diesel
d)	Stack height	6.5m	7m	7.5m	6.5m	7.5m



e)	Air Pollution Control Equipment	Silencer with acoustic enclosure	Silencer with acoustic enclosure	Silencer with acoustic enclosure	Silencer with acoustic enclosure	Silencer with acoustic enclosure

7. The proponent shall comply with the following for controlling noise pollution during construction phase.
  - a. Operation of various construction equipment – proper maintenance of equipment.
  - b. Regular over hauling provision of ear plugs and ear muff to the staff.
8. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.
9. The following rules and regulations notified by the MoE&F, Gol shall be implemented.
  - a. Regulation of Persistent Organic Pollutants Rules, 2018.
  - b. Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.
  - c. Plastic Waste Management Rules, 2016.
  - d. Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
  - e. Fly Ash Notification, 2016.
  - f. Batteries (Management & Handling) Rules, 2010.
  - g. E-Waste (Management) Rules, 2016.
  - h. Construction and Demolition waste Management Rules, 2016.
  - i. Solid Waste Management Rules, 2016.
  - j. The Public Liability Insurance Act, 1991 and its amendments thereof.

**Other Conditions:**

10. The industry shall comply with all the conditions stipulated in the EC order dt.14.07.2020 issued by MoEF & CC, Gol, New Delhi.
11. Adequate protection measures shall be taken up to avoid any spillage of muck to the adjoining agricultural fields.
12. To reduce the impact during spawning period both at the upstream and downstream of the project.
13. The proponent shall explore the possibility to convert the organic waste into bio-gas. The bio-gas can be used for cooking purposes.

14. The proponent shall develop plantation along the periphery of the reservoir in multi-layers with local indigenous species in consultation with local State Forest Department.
15. No further expansion or modifications in the project shall be carried out without prior approval of MoEF & CC, GoI, New Delhi / APPCB.
16. Emergency preparedness plan be made for any eventuality of the failure of reservoir bund and shall be implemented as per the Disaster Management Plan.
17. The proponent vide mail dt.30.09.2020 submitted as following:

*"The development of rock fill embankment is major activity. There is no possibility of flash flood for Gumttanda village as there is negligible catchment, secondly the existing catchment is draining through this village only and there is no history of flashflood. As per topography upper reservoir is draining towards eastern side and there is no possibility of food waters coming towards this side. The proposed Lower reservoir is going to have drainage mechanism to drain the water, in case of flash floods.*

*Measures to avoid breaches have been built into the embankment design ensuring the probability of failure very low. This being a rock fill embankment, where failure takes long period of time after the symptoms are noticed. Whereas, the reservoir can be drained completely in a period of 8-10 hrs, thus ruling out any possibility of sudden release."*

The industry shall therefore implement Disaster Management Plan to meet the emergencies if any in construction / operational phase and other safety measures as per the details submitted in their mail dt.30.09.2020.

18. **The industry shall submit compliance to the conditions stipulated in the EC and CFE orders to the concerned Regional Officer of APPCB every six months and shall upload the same at APPCB website viz., [https://pcb.ap.gov.in/UI/Submission\\_Compliance\\_of\\_EC\\_CFE\\_CFO\\_Direction.aspx](https://pcb.ap.gov.in/UI/Submission_Compliance_of_EC_CFE_CFO_Direction.aspx).**
19. **The proponent shall obtain necessary permissions for the proposed activity, from the concerned Government Departments and other competent authorities.**
20. As per the provision of Fly ash Notification No.S.O.2804 (E), dt. 03.11.2009 and its amendments thereof, every construction agency engaged in the construction of building within a radius of 300 km from a coal or lignite based thermal power plant shall use only fly ash based products for construction, such as cement or concrete, fly ash bricks or tiles or clay fly ash bricks, blocks or tiles or cement fly ash bricks or bricks or blocks or similar products or a combination or aggregate of them in every construction project.
21. Concealing the factual data or submission of fabricated data and failure to comply with any of the conditions mentioned in this order attracts action under the provisions of relevant pollution control Acts.
22. Notwithstanding anything contained in this conditional letter or consent, the Board

hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions by the Board.

23. 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 such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

**BATCHU SIVA PRASAD, JCEE(BSP), O/o JOINT CHIEF ENVIRONMENTAL  
ENGINEER1-APPCB  
Joint Chief Environmental Engineer**

**To  
M/s. Greenko Energies Pvt. Ltd (GEPL),  
Pinnapuram (V), Panyam (M),  
Kurnool District.  
gopikrushna.n@greenkogroup.com**



भारतसरकार Government of India  
केन्द्रीयजलआयोग Central Water Commission  
नींवअभियांत्रिकीएवंविशेषविश्लेषणनिदेशालय F. E. & S. A. Directorate  
आठवीं मंजिल (उ), सेवा भवन रा कृ पुरम नई दिल्ली 110066  
8th Floor (N), Sewa Bhawan, R.K. Puram, New Delhi-110066  
दूरभाष/फैक्स Tel/Fax: 011-29583734 ई मेल/e-mail: fesadte-cwc@nic.in  
\*\*\*\*\*

No. 2/2/2020/FE&SA/ 324

Dated: 16/10/2020

To

GREENKO ENERGIES  
PRIVATE LIMITED  
Plot No. 1071, Road No.44,  
Jubilee Hills, Hyderabad-500033,  
Telangana  
Fax: 040-23540287  
Email: nanda.pm@greenkogroup.com

**Sub: Site Specific Design Earthquake Parameters for Pinnapuram Pumped Storage Project, Andhra Pradesh – reg.**

**Ref: Project authority's letter no. GEPL/PINNAPURAM/2019-1107 dated 06.11.2019.**

Sir,

This is with reference to your aforesaid letter vide which the site specific seismic study report of the Pinnapuram Pumped Storage Project, Andhra Pradesh was submitted to the National Committee on Seismic Design Parameters (NCSDP) for approval.

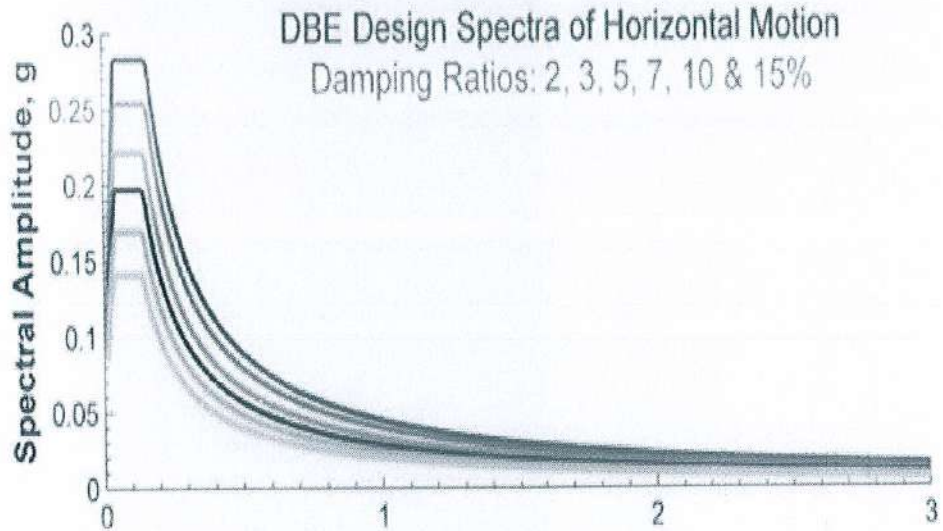
The NCSDP has approved study report of aforesaid project in its 36<sup>th</sup> meeting held on 14<sup>th</sup> August, 2020.



Contd.....

The seismic design parameters of Pinnapuram Pumped Storage Project, Andhra Pradesh summarized in the Minutes of the NCSDP meeting are reproduced below:

(a) Response Spectra (DBE-H)



(b) Other seismic parameters

Max. Credible Earthquake	5.7	Horizontal distance to surface projection of fault ( $R_{JB}$ ) (km)	12.3
Horizontal seismic co-efficient ( $\alpha_h$ )	.06	Vertical seismic co-efficient ( $\alpha_v$ )	0.04
Strong motion duration (second)	5	Total duration (second)	25
Report reference	Project authority's letter no. GEPL/Pinnapuram/BD/20191115 dated 15.11.2019.		

It is requested to do the needful for the safe design of the Pinnapuram Pumped Storage Project, Andhra Pradesh components as per NCSDP's approval.

Yours faithfully,

*[Signature]*  
16/10/2020

Director (FE&SA) &  
Member-Secy (NCSDP)



भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
जल परियोजना आयोजन एवंअन्वेषणप्रभाग  
Hydro Project Planning & Investigation Division

No. 81/3/2020-HPP&I/ 850

Date: 27.05.2020

✓ M/s Greenko Energies Private Limited,  
Plot No. 1071, Road No. 44,  
Jubilee Hills, Hyderabad-500033,  
Telangana.

**Sub: Pinnapuram Standalone Pumped Storage Project-request for support for expeditious construction of the project.**

Sir,

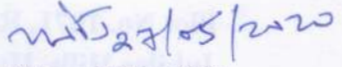
Reference is invited to M/s Greenko letter no. GEPL/ 2019-2020/BD/20191021 dated 21.10.2019 on the above mentioned subject wherein permission has been sought to take up excavation activities on certain critical components including the embankments and the deep seated power house etc. of the above cited Pumped Storage Project (PSP) before accord of concurrence by CEA. It has been stated in the letter that this will compress the construction period of the project by about 6 months, thereby making it competitive with other technologies of energy storage. Subsequently, as desired during the meeting held in CEA on 07.11.2019, M/s Greenko also submitted the quantum and extent of the proposed excavation activities.

In this connection, it is to mention that majority of clearances/ conditional clearances required for submission of DPR for Pinnapuram Standalone Pumped Storage Project have already been accorded including the same by GSI, CSMRS as well as CWC (for civil designs & embankment designs etc.). It is also to add that the issue of taking up excavation activities on certain critical project components had been discussed at length with the other appraising agencies viz. GSI, CSMRS and CWC in the meetings held in CEA and it was noted that no separate permission was being granted by CEA to any developer for start of construction or excavation. As such, it was felt that there should be no need for any such permission in case of Pinnapuram project as well. However, keeping in view the need for faster implementation of the PSP component of the Pinnapuram Integrated Renewable Energy Project for providing

balancing support to its Solar and Wind generator components, thereby, helping in maintaining the overall grid security and stability in general, CEA does not have any objection to the aforesaid advance excavation before concurrence, subject to the following conditions:

- i) Advance excavation would be carried out by M/s GREENKO at their own risk & cost and they would be solely responsible for the loss of men & material, if any, in the process.
- ii) Due permissions/ clearances from all concerned authorities shall be obtained by M/s GREENKO before carrying out any advance excavations.
- iii) Necessary safety and support measures required during excavation, as advised by GSI, shall be ensured by M/s GREENKO.
- iv) The project site would be restored to its original condition by M/s GREENKO, in case the project is abandoned for any reason, whatsoever, at a later date.

Yours Sincerely,

  
(Manoj Tripathi)  
Director (HPP&I)

Copy to:

1. Special Chief Secretary & Head (Energy Dept.), Government of Andhra Pradesh, Secretariat, Hyderabad-500001.
2. Director, EPE Division, DGCO, Geological Survey of India, A-II, Pushpa Bhawan, Madangir Road, New Delhi.
3. Director, CSMRS, Olof Palme Marg, Hauz Khas, New Delhi.
4. Chief Engineer, Designs (NW&S), Central Water Commission, Sewa Bhawan, R.K. Puram, New Delhi.
5. SA to Chairperson, CEA
6. SA to Member (Hydro), CEA.

**STATUS REPORT ON  
CORPORATE SOCIAL & ENVIRONMENT  
RESPONSIBILITY (CSER) ACTIVITY AT  
PINNAPURAM IRESP  
LOCATED AT KURNOOL DISTRICT,  
ANDHRA PRADESH STATE**



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## **1. INTRODUCTION**

Greenko Group as part of its overall business operations is addressing many important aspects of local sustainable development like Social, Economic and Environment development and specifically issues associated with Climate Change, Local and Regional Environmental Degradation, Powering the Economy, Generating Wealth and Employment, Technology Innovation and Inclusive Development. It is addressing these issues through its Corporate Social and Environment Policy initiatives. In line with the above policy this status report presents the details of the Corporate Environment Responsibility (CER) Plan implemented at Pinnapuram Integrated Renewable Energy and Storage Project (IRESP) located at Kurnool District, Andhra Pradesh.

## **2. CORPORATE SOCIAL & ENVIRONMENT POLICY**

Greenko Group is committed to sustainable development at all its facilities and work to the satisfaction of all stakeholders while fulfilling its social, economic and environmental responsibilities. Social Responsibility being one of its core values, it aligns its community development activities through regular stakeholder engagements resulting in inclusive growth.

### **2.1 Vision**

Greenko Group aims to improve the quality of life of our neighborhood communities through equitable and proactive smart initiatives in spheres of education, health, rural development, environment and livelihoods resulting in improvement of the overall local social, economic and environmental conditions. The Group aims to achieve its vision through an effective institutional setup with a dedicated team and a well-designed program-based approach, management systems, stakeholder engagements, monitoring and impact assessments.

### **2.2 Policy Principles**

Some of the Social and Environment Policy guiding principles for achieving the above sustainable development vision include to ensure that all Group level activities at both operations and projects:

- Are environmentally and socially sustainable
- Are compliant with applicable environmental and social regulations in the host country and the commitments of the country to international laws/ agreements
- Are compliant with the applicable green or clean energy guidelines
- Anticipate environment and social impact of its projects through environmental and social impact assessment

- Continually monitor their environmental and social impact – and take appropriate measures for remedying or correcting or avoiding in future
- Pursue fair labor and safe working conditions, promote equal opportunity, work-life balance and respect human rights of employees and community.
- Anticipate and avoid adverse impacts on the health, safety and security of the employees and community.
- Anticipate and avoid or minimize adverse social and economic impacts.
- Pursue resource efficiency, pollution prevention and minimize waste generation.
- Protect and conserve biodiversity and practice sustainable management.
- Avoid negative impact on cultural heritage and indigenous peoples' rights
- Ensure that all personnel working for Greenko are aware of the environmental and social requirements relevant to their area of work
- Continually build capacity, through training or other means, to identify environmental and social risks as well as to identify mitigating measures

### 2.3 Policy Thrust Areas and Objectives

At the Group level Greenko has identified five critical areas to focus for its Corporate Social and Environment Responsibility initiatives. The focus areas and the broad objectives under the identified thrust areas which are in line with the relevant United Nations Sustainable Development Goals include the following.

- ✓ **Education** – To ensure access to equitable and quality primary and secondary education leading to relevant and effective learning outcomes in rural communities.
- ✓ **Healthcare** – To provide access to quality healthcare to our workforce and the rural communities close to our operations.
- ✓ **Rural Development** – To improve the living standards of rural people in an equitable and sustainable manner through creation of community services and facilities.
- ✓ **Livelihoods & Skill Development** - To ensure access to skill training for the local people leading to relevant and sustainable livelihoods for rural communities.
- ✓ **Environment** - To protect and manage the living natural resources within its project vicinity and promote the conservation of biodiversity.

### 3. PROJECT AFFECTED AREA FOR CSER ACTIVITY

The proposed Project is located at Pinnapuram Village under Panyam Mandal, Kurnool District of Andhra Pradesh State. The Project affected District, Tehsils and Villages is presented in **Table 1** below.

**Table 1: Affected Area around the Project**

District	Mandal	Gram Panchayat	Name of Village /Hamlet
Kurnool	Panyam	Pinnapuram	Pinnapuram
	Panyam	Thammarajpalli	Thammarajpalli
	Orvakal	Brahamanapalle	Brahamanapalle & Gumtham Thanda
	Gadivemula	Chennakkapalle	Ondutla

Among the affected villages Pinnapuram Village and Gumtham Thanda Hamlet under Brahamanapalle Village are in close vicinity of the Project and affected due to the Project activities. Ondutla Village under Chennakkapalle Panchayat is partially affected by the Project activity. Although the affected Gram Panchayat under Gadivemula Mandal is named as Chennakkapalle there is no habitation/settlement with that name.

### 4. FOCUS AREAS FOR CSER ACTIVITY

Based on the need assessment and local consultations in project affected villages the following focus areas covering many important components of the sustainable development such as social, economic, livelihoods and environment are identified and set of development activities proposed under each focus area for the benefit of the local people under the Project. The **Table 2** below presents the thrust area and the nature of activity proposed as part of the CER Plan.

**Table 2: Focus Area and Nature of CSER Activity**

Focus Area	Nature of Activity
Education	<ul style="list-style-type: none"><li>• Need based infrastructure support for existing Schools</li><li>• Support for basic amenities in existing Schools</li><li>• Support for teaching and learning materials</li><li>• Support for improving quality of education</li><li>• Support for meritorious students</li></ul>
Health Care	<ul style="list-style-type: none"><li>• Support or general and specialized health camps</li><li>• Support to existing health facility</li><li>• Support through mobile health care services</li><li>• Support for emergency health care services</li><li>• Awareness on Health and Hygiene</li></ul>

Focus Area	Nature of Activity
Infrastructure Development	<ul style="list-style-type: none"> <li>• Support for strengthening existing roads</li> <li>• Support for existing transportation services</li> <li>• Support for Drinking Water facilities</li> <li>• Support in garbage collection/disposal</li> <li>• Support for Street Lighting facilities</li> <li>• Support for Community Toilet facilities</li> </ul>
Skill Development and Training	<ul style="list-style-type: none"> <li>• Skill Training of local youth for Job skills</li> <li>• Support for Vocational Training in market trades</li> <li>• Support for capacity building of local Teachers</li> </ul>
Livelihood Enhancement for Job Opportunities	<ul style="list-style-type: none"> <li>• Support to un-employed youth for small enterprises</li> <li>• Support to local youth for self-employment</li> <li>• Support to local women for household enterprises</li> <li>• Support to local artisans</li> <li>• Support for training and capacity building of local women</li> </ul>
Environment Conservation and Protection Awareness	<ul style="list-style-type: none"> <li>• Plantation along roads/open spaces/ community lands</li> <li>• Strengthening existing water resources</li> <li>• Awareness and Training on conservation of natural resources</li> </ul>
Sports	<ul style="list-style-type: none"> <li>• Support the local schools with play material and equipment</li> <li>• Support for local Anganwadi Centers with play equipment</li> <li>• Support for developing play grounds</li> <li>• Support the local sports events</li> <li>• Support the performing local sports persons</li> </ul>
Agriculture and Animal Husbandry	<ul style="list-style-type: none"> <li>• Support for natural farming /organic farming</li> <li>• Awareness and training on modern agricultural practices</li> <li>• Support for Veterinary services through Veterinary camps</li> <li>• Promote water efficiency Precision Agriculture</li> </ul>
Rain Water Harvesting	<ul style="list-style-type: none"> <li>• Construction of check dams and bunds.</li> <li>• Restoration of storage tanks</li> <li>• Support for drain water recovery and percolation ponds</li> </ul>
Common Interest Activity	<ul style="list-style-type: none"> <li>• Support for Community Infrastructure</li> <li>• Promoting local culture and traditions</li> <li>• Support for protection of local art forms</li> <li>• Support for protection of local heritage</li> </ul>

## 5. CSER PLAN IMPLEMENTATION

For implementing the CSER Plan under the Pinnapuram IREP after a thorough understanding of the local context and stakeholders we are adopting a multi stakeholder partnership implementation model by integrating the development activity with more focus on education, health, environment and economic objectives of the local people. The Table 3 below provides the list of CSER activity implemented till October 2021.

**Table 3: List of CSER Activity Completed and On-Going till October 2021**

SI No	Focus Area/ Activity	Details of Activity
<b>A</b>	<b>EDUCATION</b>	
1	Repair and renovation of existing Government Upper Primary School at Pinnapuram Village.	<ul style="list-style-type: none"> <li>• School Building repairs</li> <li>• Painting for existing structures etc</li> <li>• Providing Tables and Chairs</li> <li>• Providing Classroom Desks</li> <li>• Providing school bags and notebooks to students</li> <li>• Construction Bio Toilet Facility</li> <li>• Setting up of Drinking Water Cooler</li> <li>• Compound walls construction</li> </ul>
2	Repair and renovation of existing Government Upper Primary School at Ondutla Village.	<ul style="list-style-type: none"> <li>• School Building repairs</li> <li>• Painting for existing structures etc</li> <li>• Providing Classroom Desks</li> <li>• Providing school bags and notebooks to students</li> <li>• Construction Bio Toilet Facility</li> <li>• Setting up of Drinking Water Cooler</li> </ul>
3	Repair and renovation of existing Government Primary School at Brahamanpalli Village.	<ul style="list-style-type: none"> <li>• School Building repairs</li> <li>• Painting for existing structures etc</li> <li>• Providing Classroom Desks</li> <li>• Setting up of Drinking Water Cooler</li> </ul>
4	Development of Govt Primary School at Gumtham Thanda Village	<ul style="list-style-type: none"> <li>• School Building repairs</li> <li>• Painting for existing structures etc</li> <li>• Providing Classroom Desks</li> </ul>
5	Provide new amenities in the existing Anganwadi Centre at Brahamanapalli Village	<ul style="list-style-type: none"> <li>• Tables and Chairs for kids</li> <li>• Play Equipment for kids</li> </ul>

<b>SI No</b>	<b>Focus Area/ Activity</b>	<b>Details of Activity</b>
6	Provide new amenities in the existing Anganwadi Centre at Gumtham Thanda Village	<ul style="list-style-type: none"> <li>• Tables and Chairs for kids</li> <li>• Play Equipment for kids</li> </ul>
7	Provide teaching and learning material to existing Govt Schools at Pinnapuram and Ondutla Villages	<ul style="list-style-type: none"> <li>• Providing books,</li> <li>• Providing computers and Printers</li> <li>• Providing display charts, etc</li> </ul>
8	Provide additional teachers (Vidya Volunteers) for Govt Upper Primary School at Pinnapuram	<ul style="list-style-type: none"> <li>• Providing Maths and Science Teachers for 3 years</li> </ul>
<b>B</b>	<b>HEALTH CARE</b>	
1	Provide Mobile Health Clinic	<ul style="list-style-type: none"> <li>• Provided a well equipped Hospital on Wheels</li> <li>• Mobile Clinic with full time Doctor, Technician cum pharmacist</li> <li>• Conducted diagnostic tests</li> <li>• Mobile Clinic conducts medical camps.</li> </ul>
2	Conduct General and specialised Health camps	<ul style="list-style-type: none"> <li>• Conducted General health Camps</li> <li>• Conducted Eye Screening Camps</li> <li>• Conducted Cancer Screening Camps</li> </ul>
<b>C</b>	<b>INFRASTRUCTURE DEVELOPMENT</b>	
1	Providing Drinking Water Facility with RO Plant at Pinnapuram Village	<ul style="list-style-type: none"> <li>• Constructed De Ionization RO Plant for Drinking Water</li> <li>• Dug borewells at distance of 2 kms and layed pipeline to the Village</li> <li>• Maintenance of the RO Plant</li> </ul>
2	Supply of Drinking Water through Water Tankers	<ul style="list-style-type: none"> <li>• Supplied Drinking water through Water Tankers to Pinnapuram Village</li> </ul>
3	Repair/renovation of the existing drinking water resources in Pinnapuram	<ul style="list-style-type: none"> <li>• Reconstruction of Open well</li> <li>• Provided Syntex Water tank</li> </ul>
4	Provided LED Street Lighting facility	<ul style="list-style-type: none"> <li>• Provided LED street lighting facility at Pinnapuram</li> <li>• Provided LED street lighting facility at Ondutla</li> <li>• Installation of Street Lights at Brahamanpalli</li> </ul>

SI No	Focus Area/ Activity	Details of Activity
		<ul style="list-style-type: none"> <li>LED Street Lights at Gumtham Thanda</li> </ul>
<b>D</b>	<b>SKILL DEVELOPMENT AND TRAINING</b>	
1	Skill Training for local un-employed youth at Skill Development Centre	<ul style="list-style-type: none"> <li>Provided Skill Development Training to 25 youth at Skill Development Center at Gani for Solar installation and operation trade</li> </ul>
<b>E</b>	<b>AGRICULTURE AND ANIMAL HUSBANDRY</b>	
1	Construction of drinking water ponds for Livestock	<ul style="list-style-type: none"> <li>Constructed water ponds for Livestock (Sheep/Buffalos) at Pinnapuram village</li> </ul>
2	Promote natural farming/ organic farming	<ul style="list-style-type: none"> <li>Sponsored training to local framers</li> </ul>
3	Conduct Veterinary Camps for livestock	<ul style="list-style-type: none"> <li>Planned for conducting a veterinary camp in Pinnapuram Village</li> </ul>
<b>F</b>	<b>ENVIRONMENT</b>	
1	Tree Plantation	<ul style="list-style-type: none"> <li>Plantation in available village level institutions (schools, religious places, offices etc)</li> </ul>
<b>G</b>	<b>SPORTS</b>	
1	Provide sports material to local Schools, Anganwadi Centres and village youth	<ul style="list-style-type: none"> <li>Provided Sports Material to Upper Primary Schools at Pinnapuram and Ondutla</li> </ul>



**Table 3: Amount Utilised for CER Activity Completed and On-going till October 2021**

**Completed Activity**

<b>Sl. No.</b>	<b>Name of the Activity/Program</b>	<b>Focus Area</b>	<b>Amount Spent (Rs)</b>
1	Infrastructure Development of Upper Primary School at Pinnapuram	Education	1782350
2	Establishment and Maintenance RO Plant at Pinnapuram	Rural Development	2500000
3	Drinking Water Supply through Water Tankers at Pinnapuram	Rural Development	800000
4	Open Well Renovation at Pinnapuram	Rural Development	600000
5	Street Lights at Pinnapuram	Rural Development	235000
6	Drinking Water Pond for Cattle at Pinnapuram	Rural Development	250000
7	Skill Development Training at Pinnapuram	Education	100000
8	Development of Upper Primary School at Ondutla	Education	785000
9	Installation of LED Street Lights at Ondutla	Rural Development	165000
10	Development of Primary School, Brahamanpalli	Education	900000
11	Development of Anganwadi Center, Brahamanpalli	Education	65000
12	Street Lights at Brahamanapalli	Rural Development	120000
13	Development of Primary School, Gumtham Thanda	Education	266000
14	Development of Anganwadi Center, Gumtham Thanda	Education	83800
15	Street Lights at Gumtham Thanda	Rural Development	120000
16	Provision of School Teacher (Vidya Volunteers) to Pinnapuram School	Education	180000
17	Operation and Maintenance of RO Plant, Pinnapuram Village	Rural Development	120000
18	General Medical Camp, Primary School, Vundutla Village	Health	29000
19	General Medical Camp, Primary School, Pinnapuram Village	Health	14000
20	A total of 78 numbers of Health Camps conducted through Mobile Clinic for Pinnapuram, Kalva, Thippaipalli, Ondutla, Gumtham Thanda, Brahamanpalle Village	Health	331414
		<b>Total</b>	<b>94,46,564</b>

### On-Going Activity

Sl. No.	Name of the Activity	Thrust Area	Estimated Budget (Rs)
1	Providing 1 Vidya Volunteer for MPP School for one year at Gummitham Thanda	Education	75,000
2	Providing 1 Vidya Volunteer for MPP School, Brahmanapalli for one year	Education	75,000
3	Support towards lighting and sound arrangements for SRI Rama temple at Pinnapuram	Rural Development	1,00,000
4	Provision of 15 nos of Street lights in Sakunala village	Rural Development	75,000
5	Construction of Iron Shed with power supply for local Sri Durgamatha Temple at Kalva.	Rural Development	9,00,000
		<b>Total</b>	<b>12,25,000</b>

S.No	Place Proposed	Name of the Activity	Estimated Budget (Rs.)
1	Pinnapuram	Operator expenses	1025000
		Pipeline works from bore to RO plant and RO to School New Bore connection at Sunkulamma Gudi area	
		Maintenance charges per year	
		Four Vidya Volunteer payments	
		500 Nos of transparent water jars	
2	Gumitham Tanda	Operator expenses	460000
		Maintenance charges per year	
		LED Street Lights of 50 Nos	
		<b>Total</b>	

### Medical Health Camps

S.No	Name of the Village	No of camps	Scheduled month	Estimated Amount
1	Gumitham Thanda	2	March & SEP 22	140000
2	Pinnapuram	2	March & SEP 22	140000
3	Driver Eye Colour blindness test for 100nos	1	April 22	40000
4	Driver Hearing Test for 100nos	1	April 22	20000
			<b>Total</b>	<b>3,40,000</b>

## 6. CER ACTIVITY AT A GLANCE

### Infrastructure Development and other Support Activity at Government Upper Primary School at Pinnapuram Village



### Infrastructure Development and other Support Activity at Government Upper Primary School at Ondulta Village



## Health Care Services through Mobile Clinic at Pinnapuram and other Villages



## Drinking Water through RO Plant at Pinnapuram Village



## Drinking water Supply through Water Tankers



## Restoration of Open wells at Pinnapuram



## Construction of Water Ponds for Livestock in Pinnapuram Village



## Skill Development Training to local Youth from Project affected Villages at Greenkos Skill Development Centre at Gani Village









Greenko Energies Private Limited  
(CIN: U40109TG2000FTC034990)

Greenko

Ref: IREP-Pinnapuram/SPCB/EC/200804

Dated: 04.08.2020

To,	
1	Environmental Engineer A.P Pollution Control Board Regional Office, 1 <sup>st</sup> Floor, Shanker Shopping Complex, Krishna Nagar Main Gate, Kurnool
2	The Joint Chief Environmental Engineer, APPCB, Zonal Office, Kurnool.
3	The District Revenue Officer & Additional District Magistrate, Kurnool District.
4	The General Manager, District Industries Center, Kurnool, Kurnool District.
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7	The Chief Executive Officer, Zilla Parishad, Kurnool.
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Ref: MoEF&CC letter No. J12011/12/2018.IA.I, Dated 14.07.2020.

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Thanking You,  
Yours faithfully  
For M/s Greenko Energies Private Limited

*N. Govi Kumar*

Authorised Signatory

Encl: As above



*For: k*



Dated: 04.08.2020

Ref: IREP-Pinnapuram/SPCB/EC/200804

To,			
1	Environmental Engineer A.P Pollution Control Board Regional Office, 1 <sup>st</sup> Floor, Shanker Shopping Complex, Krishna Nagar Main Gate, Kurnool	✓	The Joint Chief Environmental Engineer, APPCB, Zonal Office, Kurnool.
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N. Govind Kumar

Authorised Signatory

Encl: As above



For: k. B.



Ref: IREP-Pinnapuram/SPCB/EC/200804

Dated: 04.08.2020

To,

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N. Golu Kumar

Authorised Signatory

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For M/s Greenko Energies Private Limited

N. Gowthama

Authorised Signatory

Encl: As above



For: k. [Signature]

జాతీయ గుమాస్తా,  
విజ్ఞాన పరిశ్రమల కేంద్రము  
కర్నూలు.

Ref: IREP-Pinnapuram/SPCB/EC/200804

Dated: 04.08.2020

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For M/s Greenko Energies Private Limited

*N. Golu Kumar*

Authorised Signatory

Encl: As above



*Copy Received by  
P. S. S. Reddy  
10/08/2020*  
పంచాయతీ కార్యదర్శి  
పిన్నపూర్ (వ) పాణ్యం (ఎం),  
కర్నూలు జిల్లా పరిషత్తు (రాజకీయ విభాగం)  
పాణ్యం మండలము

Ref: IREP-Pinnapuram/SPCB/EC/200804

Dated: 04.08.2020

To,

1	Environmental Engineer A.P Pollution Control Board Regional Office, 1 <sup>st</sup> Floor, Shanker Shopping Complex, Krishna Nagar Main Gate, Kurnool	2	The Joint Chief Environmental Engineer, APPCB, Zonal Office, Kurnool.
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For M/s Greenko Energies Private Limited

*N. Gobi Kumar*

Authorised Signatory

Encl: As above



*Fan: to. By*

*V. Mandar*  
**Panchayat Secretary**  
**Brahmanapalli (V.),**  
**Orvakal (M), Kurnool (D.)**



Ref: IREP-Pinnapuram/SPCB/EC/200804

Dated: 04.08.2020

To,

1	Environmental Engineer A.P Pollution Control Board Regional Office, 1 <sup>st</sup> Floor, Shanker Shopping Complex, Krishna Nagar Main Gate, Kurnool	2	The Joint Chief Environmental Engineer, APPCB, Zonal Office, Kurnool.
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*N. Gobi Kumar*

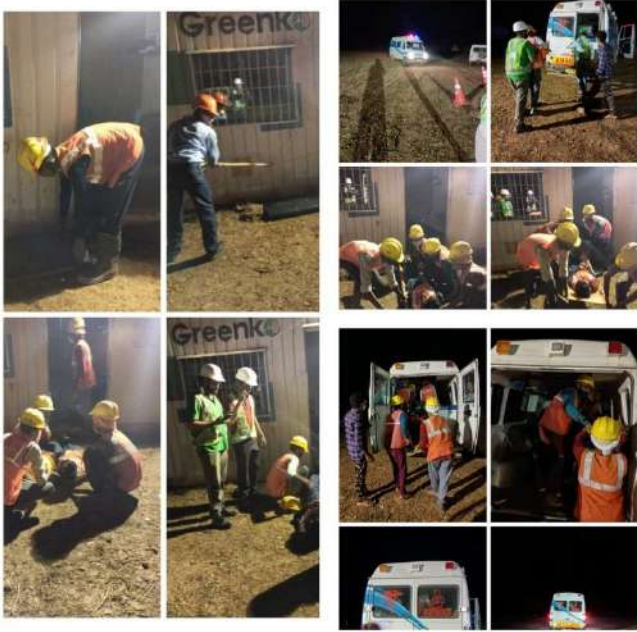
Authorised Signatory

Encl: As above



*For: k. R*

**ANNEXURE: PHOTOS OF SITE ACTIVITIES AND MONITORING ACTIVITIES**



**MOCK DRILL**



**Vehicle with Flagman**



**Tree Replantation along roadside**

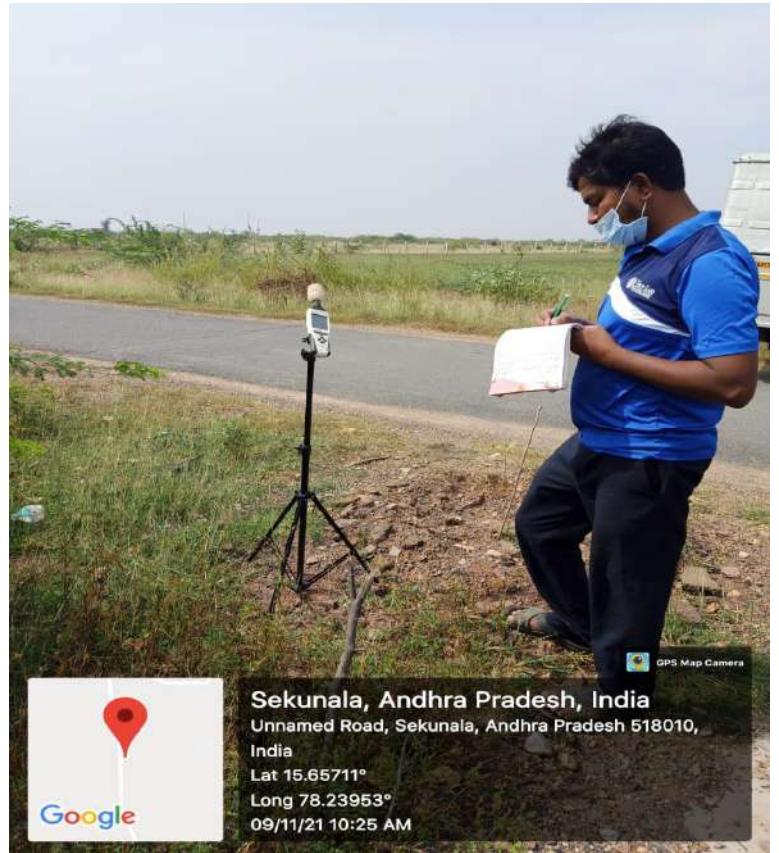
**ANNEXURE: PHOTOS OF SITE ACTIVITIES AND MONITORING ACTIVITIES**

**AIR MONITORING INSTALLATION AND MONITORING**



ANNEXURE: PHOTOS OF SITE ACTIVITIES AND MONITORING ACTIVITIES

NOISE MONITORING



# ANNEXURE: PHOTOS OF SITE ACTIVITIES AND MONITORING ACTIVITIES

## WATER SAMPLING COLLECTION



# ANNEXURE: PHOTOS OF SITE ACTIVITIES AND MONITORING ACTIVITIES

Date	Name	Address	Age	Gender	Remarks
12/11/21	K. Jeyalakshmi	12/11/21	45	F	T. chest - 0 T. mouth - 0
12/11/21	K. Jeyalakshmi	12/11/21	45	F	T. chest - 0 T. mouth - 0
12/11/21	K. Jeyalakshmi	12/11/21	45	F	T. chest - 0 T. mouth - 0
12/11/21	K. Jeyalakshmi	12/11/21	45	F	T. chest - 0 T. mouth - 0
12/11/21	K. Jeyalakshmi	12/11/21	45	F	T. chest - 0 T. mouth - 0
12/11/21	K. Jeyalakshmi	12/11/21	45	F	T. chest - 0 T. mouth - 0
12/11/21	K. Jeyalakshmi	12/11/21	45	F	T. chest - 0 T. mouth - 0
12/11/21	K. Jeyalakshmi	12/11/21	45	F	T. chest - 0 T. mouth - 0
12/11/21	K. Jeyalakshmi	12/11/21	45	F	T. chest - 0 T. mouth - 0
12/11/21	K. Jeyalakshmi	12/11/21	45	F	T. chest - 0 T. mouth - 0

MEDICAL REGISTER

**enke** GREENO INTEGRATED MANAGEMENT SYSTEM PERIODICAL MEDICAL EXAMINATION

165

Name: K. Jeyalakshmi Age: 45 Sex: F ID No: 12/11/21

Address: Basil Swamy Contact No: 9780748155 Date of Examination: 12/11/21

Presenting Complaints (if any): None

Present Illnesses & Medications: None

Hypersensitivity / Allergy: None

Personal History: None

Physical Activity / Exercise: None

Past History (Past Medications): None

Family History: None

General Examination: Normal

Systemic Examination: Normal

Conclusion / Recommendations / Remarks: Covid test Negative

Activity Checklist: Completed

MEDICAL REPORT

107 SELF DECLARATION FORM

Location: AP Teja's

Employee / Visitor Name: K. Yella Ragu Gender: Male Age: 33 years

Contact No. / Emp Email: 9780748155

Do you have the following symptoms, please write YES/NO

4. Fever	YES / NO	NO
5. Sore Throat	YES / NO	NO
6. Cough	YES / NO	NO
7. Running nose	YES / NO	NO
8. Body aches	YES / NO	NO
9. Tiredness	YES / NO	NO
10. Shortness of breath	YES / NO	NO
11. Headache	YES / NO	NO
12. Any other COVID Symptoms	YES / NO	NO

Travel Details

13. Have you been in contact with a confirmed COVID-19 patient in the past 7 days unknown? YES / NO: NO

14. Have you been to affected countries or area(s) in the past 14 days? YES / NO: NO

15. Stay address / residential address: Is it in Red zone/Contaminated? GREEN/ORANGE/RED: GREEN

COVID-19 CASES DETAILS

16. Last 15 days find any positive cases in your residential area? (approx. 100 meters radius) YES / NO: NO

17. Is it your residential / Stay area comes under Containment Zone? YES / NO: NO

18. Have installed "Aarogya setu" App in your mobile? YES / NO: NO

19. Fit mention your travel history (past 14 days) hereunder

1. Travelled from Rattapattanam (Kerala) to Sakunika place (date 22/10/21) (mention in details if it is more than one travel)

2. Your mode of travel: travelled by Bus

3. Vaccination details: one dose Vaccination 20.08.2021

I, K. Yella Ragu hereby declare that the information given in this application is true and correct to the best of my knowledge and belief. In case any information given in this application proves to be false or incorrect, I shall be responsible for the consequences.

Employee / Visitor Signature: K. Yella Ragu

SELF DECLARATION FORM

ID	Name	Address	Age	Temp	Remarks
30	Shan	Sakunika	25	97.1	OK
31	Shan	Sakunika	25	97.2	OK
32	Shan	Sakunika	25	97.3	OK
33	Shan	Sakunika	25	97.4	OK
34	Shan	Sakunika	25	97.5	OK
35	Shan	Sakunika	25	97.6	OK
36	Shan	Sakunika	25	97.7	OK
37	Shan	Sakunika	25	97.8	OK
38	Shan	Sakunika	25	97.9	OK
39	Shan	Sakunika	25	98.0	OK
40	Shan	Sakunika	25	98.1	OK
41	Shan	Sakunika	25	98.2	OK
42	Shan	Sakunika	25	98.3	OK
43	Shan	Sakunika	25	98.4	OK
44	Shan	Sakunika	25	98.5	OK
45	Shan	Sakunika	25	98.6	OK
46	Shan	Sakunika	25	98.7	OK
47	Shan	Sakunika	25	98.8	OK
48	Shan	Sakunika	25	98.9	OK
49	Shan	Sakunika	25	99.0	OK
50	Shan	Sakunika	25	99.1	OK
51	Shan	Sakunika	25	99.2	OK
52	Shan	Sakunika	25	99.3	OK
53	Shan	Sakunika	25	99.4	OK
54	Shan	Sakunika	25	99.5	OK
55	Shan	Sakunika	25	99.6	OK
56	Shan	Sakunika	25	99.7	OK
57	Shan	Sakunika	25	99.8	OK
58	Shan	Sakunika	25	99.9	OK
59	Shan	Sakunika	25	100.0	OK
60	Shan	Sakunika	25	100.1	OK
61	Shan	Sakunika	25	100.2	OK
62	Shan	Sakunika	25	100.3	OK
63	Shan	Sakunika	25	100.4	OK
64	Shan	Sakunika	25	100.5	OK
65	Shan	Sakunika	25	100.6	OK
66	Shan	Sakunika	25	100.7	OK
67	Shan	Sakunika	25	100.8	OK
68	Shan	Sakunika	25	100.9	OK
69	Shan	Sakunika	25	101.0	OK
70	Shan	Sakunika	25	101.1	OK
71	Shan	Sakunika	25	101.2	OK
72	Shan	Sakunika	25	101.3	OK
73	Shan	Sakunika	25	101.4	OK
74	Shan	Sakunika	25	101.5	OK
75	Shan	Sakunika	25	101.6	OK
76	Shan	Sakunika	25	101.7	OK
77	Shan	Sakunika	25	101.8	OK
78	Shan	Sakunika	25	101.9	OK
79	Shan	Sakunika	25	102.0	OK
80	Shan	Sakunika	25	102.1	OK

TEMPERATURE MONITORING RECORD



# VISON LABS

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## TEST REPORT

ANNEXURE - 9

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	20.11.2021
		Our Ref No	TC506421000020188F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	08.11.2021 to 09.11.2021	Sample Description	Ambient Air
Sample Registration date	12.11.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	Project Site		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	65	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	34	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	10.0	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	24.6	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory



VL/QM/7. 8/TR

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Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com

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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	20.11.2021
		Our Ref No	TC506421000020184F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	08.11.2021 to 09.11.2021	Sample Description	Ambient Air
Sample Registration date	12.11.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	Pinnapuram Village		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	30	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	16	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.0	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	13.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory



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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	20.11.2021	
	Our Ref No	TC506421000020183F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample collection date	08.11.2021 to 09.11.2021	Sample Description	Ambient Air
Sample Registration date	12.11.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Brahmanpalle Bus Stand</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	52	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	26	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	8.2	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	24.3	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory

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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	20.11.2021
		Our Ref No	TC506421000020185F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	08.11.2021 to 09.11.2021	Sample Description	Ambient Air
Sample Registration date	12.11.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kalva Village</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	40	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	21	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.3	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	16.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory



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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	20.11.2021	
	Our Ref No	TC506421000020186F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample collection date	08.11.2021 to 09.11.2021	Sample Description	Ambient Air
Sample Registration date	12.11.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kommucheruvu Anjeneya Swamy Temple</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	28	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	12	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	4.8	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	12.0	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory

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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	20.11.2021
		Our Ref No	TC506421000020187F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	08.11.2021 to 09.11.2021	Sample Description	Ambient Air
Sample Registration date	12.11.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	Between Somayajulapalli and Kalvabugga Village		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	48	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.6	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	19.5	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory

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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	20.11.2021
		Our Ref No	TC506421000020201F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	11.11.2021 to 12.11.2021	Sample Description	Ambient Air
Sample Registration date	12.11.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Project Site</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	52	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	27	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	9.2	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	21.8	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory

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## TEST REPORT

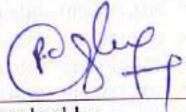


Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	20.11.2021
		Our Ref No	TC506421000020197F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	11.11.2021 to 12.11.2021	Sample Description	Ambient Air
Sample Registration date	12.11.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	Pinnapuram Village		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	34	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	18	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.3	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	14.5	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

 Checked by	 Sr. Chemist	 Authorized Signatory
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## TEST REPORT

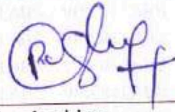
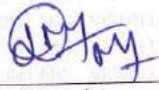

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	20.11.2021
		Our Ref No	TC506421000020196F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-
		Your Ref Date	05.10.2021
Sample collection date	11.11.2021 to 12.11.2021	Sample Description	Ambient Air
Sample Registration date	12.11.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Brahmanpalle Bus Stand</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	46	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	23	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.5	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	22.0	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

 Checked by	 Sr. Chemist	 Authorized Signatory
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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	20.11.2021
		Our Ref No	TC506421000020198F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	11.11.2021 to 12.11.2021	Sample Description	Ambient Air
Sample Registration date	12.11.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	Kalva Village		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	35	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	18	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.0	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	15.6	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory



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H.No. 16-11-23/37/A, Flat No. 205, 2nd Floor, Opp. R.T.A. Office, Musarambagh, Malakpet, Hyderabad - 500 036.  
Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com  
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# VISON LABS

Environmental Consultants & Analytical Services

Accredited by NABL vide certificate number TC-5064  
MoEF & CC, NABET-QCI, ISO 9001 : 2015 & OHSAS 45001 : 2018

## TEST REPORT

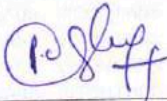
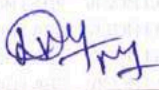

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	20.11.2021
		Our Ref No	TC506421000020199F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	11.11.2021 to 12.11.2021	Sample Description	Ambient Air
Sample Registration date	12.11.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kommucheruvu Anjeneya Swamy Temple</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	34	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	17	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.4	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	13.1	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

		
Checked by	Sr. Chemist	Authorized Signatory

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# VISON LABS

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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	20.11.2021
		Our Ref No	TC506421000020200F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	11.11.2021 to 12.11.2021	Sample Description	Ambient Air
Sample Registration date	12.11.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	Between Somayajulapalli and Kalvabugga Village		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

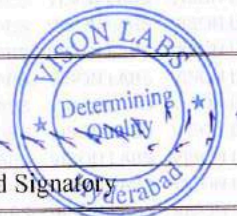
## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	56	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	27	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	8.2	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	20.9	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory



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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	08.12.2021	
	Our Ref No	TC506421000021684F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample collection date	29.11.2021 to 30.11.2021	Sample Description	Ambient Air
Sample Registration date	01.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	Project Site		
Ambient Temperature °C	24 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	60	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	30	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	8.6	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	20.3	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	08.12.2021
		Our Ref No	TC506421000021680F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	29.11.2021 to 30.11.2021	Sample Description	Ambient Air
Sample Registration date	01.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Pinnapuram Village</b>		
Ambient Temperature °C	24 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

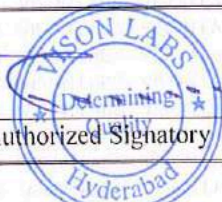
## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	26	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	14	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	4.8	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	11.0	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

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## TEST REPORT


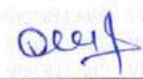
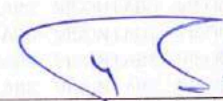
Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	08.12.2021
		Our Ref No	TC506421000021679F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	29.11.2021 to 30.11.2021	Sample Description	Ambient Air
Sample Registration date	01.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Brahmanpalle Bus Stand</b>		
Ambient Temperature °C	24 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

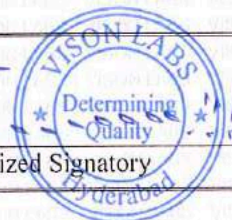
## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	36	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	19	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.8	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	17.3	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

 Checked by	 Sr. Chemist	 Authorized Signatory
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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	08.12.2021
		Our Ref No	TC506421000021681F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	29.11.2021 to 30.11.2021	Sample Description	Ambient Air
Sample Registration date	01.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kalva Village</b>		
Ambient Temperature °C	24 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	32	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	17	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.8	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	14.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - I. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory



VL/QM/7. 8/TR

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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	08.12.2021
		Our Ref No	TC506421000021682F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	29.11.2021 to 30.11.2021	Sample Description	Ambient Air
Sample Registration date	01.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kommucheruvu Anjeneya Swamy Temple</b>		
Ambient Temperature °C	24 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	22	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	10	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	4.3	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	11.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - I. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory



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## TEST REPORT

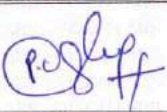
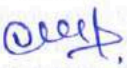
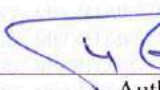
Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	08.12.2021
		Our Ref No	TC506421000021683F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	29.11.2021 to 30.11.2021	Sample Description	Ambient Air
Sample Registration date	01.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kalyabugga Village</b>		
Ambient Temperature °C	24 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	54	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	27	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.3	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	18.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

		
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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	08.12.2021	
	Our Ref No	TC506421000021685F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample collection date	02.12.2021 to 03.12.2021	Sample Description	Ambient Air
Sample Registration date	04.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	Project Site		
Ambient Temperature °C	24 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	52	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	26	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	8.2	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	19.4	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

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Checked by	Sr. Chemist	Authorized Signatory

VL/QM/7. 8/TR

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MoEF & CC, NABET-QCI, ISO 9001 : 2015 & OHSAS 45001 : 2018

## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	08.12.2021
		Our Ref No	TC506421000021689F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	02.12.2021 to 03.12.2021	Sample Description	Ambient Air
Sample Registration date	04.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Pinnapuram Village</b>		
Ambient Temperature °C	24 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	31	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	16	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.0	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	12.4	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - I. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory



VL/QM/7. 8/TR

H.No. 16-11-23/37/A, Flat No. 205, 2nd Floor, Opp. R.T.A. Office, Musarambagh, Malakpet, Hyderabad - 500 036.  
Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com  
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# VISON LABS

Environmental Consultants & Analytical Services

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MoEF & CC, NABET-QCI, ISO 9001 : 2015 & OHSAS 45001 : 2018

## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	08.12.2021
		Our Ref No	TC506421000021690F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-
		Your Ref Date	05.10.2021
Sample collection date	02.12.2021 to 03.12.2021	Sample Description	Ambient Air
Sample Registration date	04.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Brahmanpalle Bus Stand</b>		
Ambient Temperature °C	24 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	40	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	21	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.3	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	19.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory



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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	08.12.2021
		Our Ref No	TC506421000021688F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	02.12.2021 to 03.12.2021	Sample Description	Ambient Air
Sample Registration date	04.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kalva Village</b>		
Ambient Temperature °C	24 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	* Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	43	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	22	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.8	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	16.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - I. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory

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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	08.12.2021
		Our Ref No	TC506421000021687F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	02.12.2021 to 03.12.2021	Sample Description	Ambient Air
Sample Registration date	04.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kommucheruvu Anjeneya Swamy Temple</b>		
Ambient Temperature °C	24 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	38	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	20	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.0	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	14.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory

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## TEST REPORT

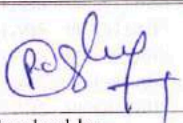
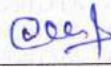

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	08.12.2021
		Our Ref No	TC506421000021686F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	02.12.2021 to 03.12.2021	Sample Description	Ambient Air
Sample Registration date	04.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	Kalvabugga Village		
Ambient Temperature °C	24 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	50	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.8	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	17.3	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

 Checked by	 Sr. Chemist	 Authorized Signatory
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H.No. 16-11-23/37/A, Flat No. 205, 2nd Floor, Opp. R.T.A. Office, Musarambagh, Malakpet, Hyderabad - 500 036.  
Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com  
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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	14.12.2021
		Our Ref No	TC506421000022862F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	06.12.2021 to 07.12.2021	Sample Description	Ambient Air
Sample Registration date	08.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Project Site</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	70	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	36	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	10.4	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	26.8	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory

VL/QM/7. 8/TR

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## TEST REPORT

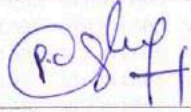
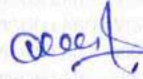
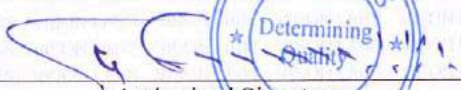
Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	14.12.2021
		Our Ref No	TC506421000022858F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	06.12.2021 to 07.12.2021	Sample Description	Ambient Air
Sample Registration date	08.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	Pinnapuram Village		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

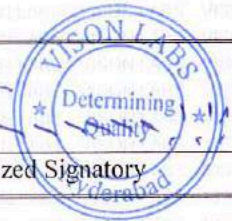
## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	45	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	22	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.6	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	15.4	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

 Checked by	 Sr. Chemist	 Authorized Signatory
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VL/QM/7. 8/TR

H.No. 16-11-23/37/A, Flat No. 205, 2nd Floor, Opp. R.T.A. Office, Musarambagh, Malakpet, Hyderabad - 500 036.  
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## TEST REPORT

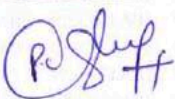
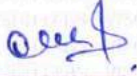

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	14.12.2021	
	Our Ref No	TC506421000022857F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample collection date	06.12.2021 to 07.12.2021	Sample Description	Ambient Air
Sample Registration date	08.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Brahmanpalle Bus Stand</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	43	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	21	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.2	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	20.1	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

 Checked by	 Sr. Chemist	 Authorized Signatory
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## TEST REPORT

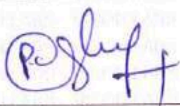

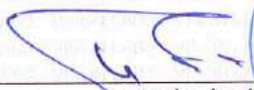
Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	14.12.2021
		Our Ref No	TC506421000022859F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	06.12.2021 to 07.12.2021	Sample Description	Ambient Air
Sample Registration date	08.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kalva Village</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	52	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.2	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	19.0	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

 Checked by	 Sr. Chemist	 Authorized Signatory
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## TEST REPORT

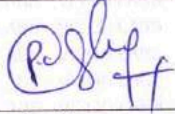
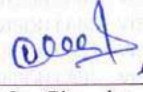
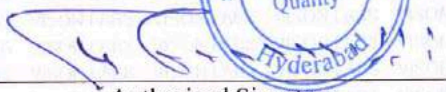
Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	14.12.2021
		Our Ref No	TC506421000022860F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	06.12.2021 to 07.12.2021	Sample Description	Ambient Air
Sample Registration date	08.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kommucheruvu Anjeneya Swamy Temple</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

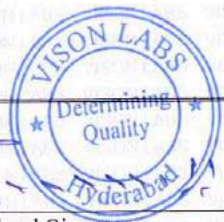
## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	32	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	17	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.6	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	14.1	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

		
Checked by	Sr. Chemist	Authorized Signatory



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Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com  
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# VISON LABS

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MoEF & CC, NABET-QCI, ISO 9001 : 2015 & OHSAS 45001 : 2018

## TEST REPORT

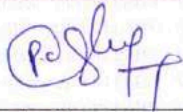
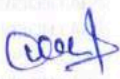
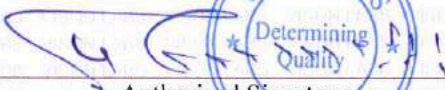
Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	14.12.2021
		Our Ref No	TC506421000022861F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	06.12.2021 to 07.12.2021	Sample Description	Ambient Air
Sample Registration date	08.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kalvabugga Village</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	60	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	29	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.8	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	20.4	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

		
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Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com

NOTE : This Report is subject to the terms and conditions mentioned overleaf.



## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date 14.12.2021
	Our Ref No TC506421000022868F
	Your Ref No GAP01/IREP/W.O./H.O/2021-22/060
	Your Ref Date 05.10.2021
Sample collection date 09.12.2021 to 10.12.2021	Sample Description Ambient Air
Sample Registration date 11.12.2021	Sample(s) condition of testing Found Ok
Monitoring Location Project Site	
Ambient Temperature °C 26 (Average)	Weather Condition Clear
Wind Direction NW	Flow Rate of Gases 0.20
Monitoring conducted by VISON LABS	

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	58	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	30	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	9.8	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	22.6	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory



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## TEST REPORT

Issued to:		Issued Date	14.12.2021
<b>M/s. Greenko Energies Private Limited.</b>		Our Ref No	TC506421000022864F
Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana.		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
Site: <b>Greenko AP01 IREP Private Limited.</b>		Your Ref Date	05.10.2021
Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.			
Sample collection date	09.12.2021 to 10.12.2021	Sample Description	Ambient Air
Sample Registration date	11.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Pinnapuram Village</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

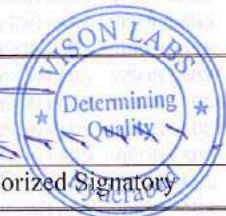
## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	39	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	20	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.2	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	15.1	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory



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Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com

NOTE : This Report is subject to the terms and conditions mentioned overleaf.



## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	14.12.2021
		Our Ref No	TC506421000022863F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	09.12.2021 to 10.12.2021	Sample Description	Ambient Air
Sample Registration date	11.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Brahmanpalle Bus Stand</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	50	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	26	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.8	<80	Improved West and Geake method (IS : 5182 P -II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	21.6	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory



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## TEST REPORT

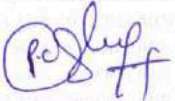
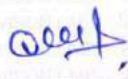
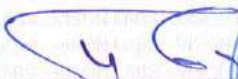
Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	14.12.2021
		Our Ref No	TC506421000022865F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	09.12.2021 to 10.12.2021	Sample Description	Ambient Air
Sample Registration date	11.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kalva Village</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

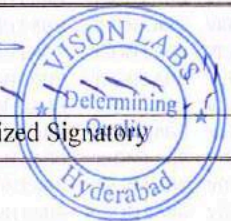
## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	45	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	22	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.1	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	16.3	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

		
Checked by	Sr. Chemist	Authorized Signatory



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Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com  
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## TEST REPORT

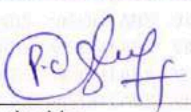
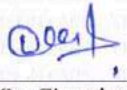

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	14.12.2021
		Our Ref No	TC506421000022866F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	09.12.2021 to 10.12.2021	Sample Description	Ambient Air
Sample Registration date	11.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kommucheruvu Anjeneya Swamy Temple</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	42	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	22	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.0	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	16.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - I. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

 Checked by	 Sr. Chemist	 Authorized Signatory
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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	14.12.2021
		Our Ref No	TC506421000022867F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	09.12.2021 to 10.12.2021	Sample Description	Ambient Air
Sample Registration date	11.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	Kalvabugga Village		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

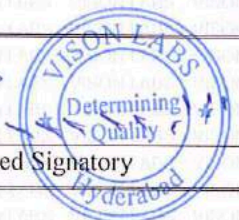
## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	53	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	26	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.5	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	19.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Page 1 of 1

Checked by	Sr. Chemist	Authorized Signatory



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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	21.12.2021
		Our Ref No	TC506421000030121F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	13.12.2021 to 14.12.2021	Sample Description	Ambient Air
Sample Registration date	15.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Project Site</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

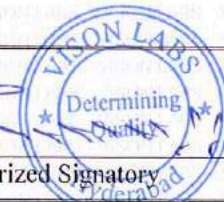
## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	60	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	31	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	9.4	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	25.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Page 1 of 1

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## TEST REPORT

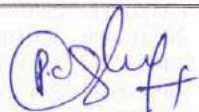
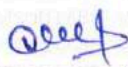

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	21.12.2021
		Our Ref No	TC506421000030117F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	13.12.2021 to 14.12.2021	Sample Description	Ambient Air
Sample Registration date	15.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Pinnapuram Village</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	52	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	26	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.8	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	17.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

		
Checked by	Sr. Chemist	Authorized Signatory



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## TEST REPORT

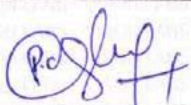
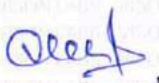
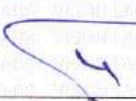
Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	21.12.2021
		Our Ref No	TC506421000030116F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	13.12.2021 to 14.12.2021	Sample Description	Ambient Air
Sample Registration date	15.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Brahmanpalle Bus Stand</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	39	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	20	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.8	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	17.5	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - I. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

 Checked by	 Sr. Chemist	 Authorized Signatory
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Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com

NOTE : This Report is subject to the terms and conditions mentioned overleaf.



# VISON LABS

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## TEST REPORT

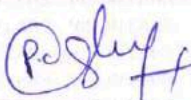
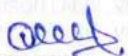

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	21.12.2021
		Our Ref No	TC506421000030118F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	13.12.2021 to 14.12.2021	Sample Description	Ambient Air
Sample Registration date	15.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kalva Village</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

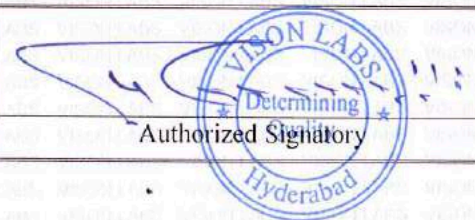
## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	48	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	23	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.5	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	18.6	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Page 1 of 1

 Checked by	 Sr. Chemist	 Authorized Signatory
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Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com

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## TEST REPORT




Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	21.12.2021	
	Our Ref No	TC506421000030119F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample collection date	13.12.2021 to 14.12.2021	Sample Description	Ambient Air
Sample Registration date	15.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kommucheruvu Anjeneya Swamy Temple</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	36	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	19	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	5.2	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	13.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

 Checked by	 Sr. Chemist	 Authorized Signatory
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## TEST REPORT

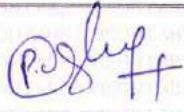
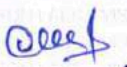
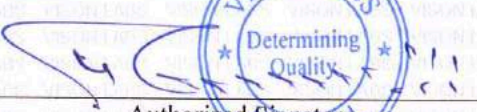
Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	21.12.2021
		Our Ref No	TC506421000030120F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	13.12.2021 to 14.12.2021	Sample Description	Ambient Air
Sample Registration date	15.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kalvabugga Village</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	68	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	30	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	8.2	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	22.6	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

		
Checked by	Sr. Chemist	Authorized Signatory

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Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com

NOTE : This Report is subject to the terms and conditions mentioned overleaf.



## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	21.12.2021
		Our Ref No	TC506421000030127F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	16.12.2021 to 17.12.2021	Sample Description	Ambient Air
Sample Registration date	18.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	Project Site		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	52	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	25	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	9.5	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	23.4	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory

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## TEST REPORT

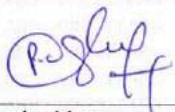
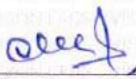

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	21.12.2021
		Our Ref No	TC506421000030123F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	16.12.2021 to 17.12.2021	Sample Description	Ambient Air
Sample Registration date	18.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Pinnapuram Village</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

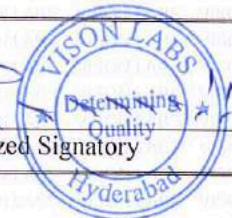
## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	43	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	22	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.0	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	16.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

NOTE: - I. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Page 1 of 1

 Checked by	 Sr. Chemist	 Authorized Signatory
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Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com

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## TEST REPORT

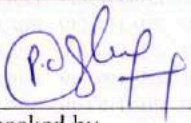
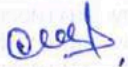

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	21.12.2021	
	Our Ref No	TC506421000030122F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample collection date	16.12.2021 to 17.12.2021	Sample Description	Ambient Air
Sample Registration date	18.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Brahmanpalle Bus Stand</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	46	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	22	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.1	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	18.5	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

Page 1 of 1

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

 Checked by	 Sr. Chemist	 Authorized Signatory
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## TEST REPORT

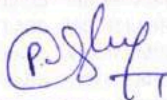
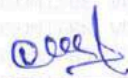
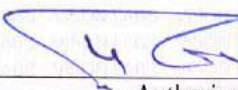
Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	21.12.2021
		Our Ref No	TC506421000030124F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	16.12.2021 to 17.12.2021	Sample Description	Ambient Air
Sample Registration date	18.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kalva Village</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	40	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	20	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.5	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	17.2	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Page 1 of 1

 Checked by	 Sr. Chemist	 Authorized Signatory
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Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com

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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	21.12.2021	
	Our Ref No	TC506421000030125F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample collection date	16.12.2021 to 17.12.2021	Sample Description	Ambient Air
Sample Registration date	18.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	<b>Kommucheruvu Anjeneya Swamy Temple</b>		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	44	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	23	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.2	<80	Improved West and Geake method (IS : 5182 P II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	14.5	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

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NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory



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Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com

NOTE : This Report is subject to the terms and conditions mentioned overleaf.



# VISON LABS

Environmental Consultants & Analytical Services

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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	21.12.2021
		Our Ref No	TC506421000030126F
		Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060
		Your Ref Date	05.10.2021
Sample collection date	16.12.2021 to 17.12.2021	Sample Description	Ambient Air
Sample Registration date	18.12.2021	Sample(s) condition of testing	Found Ok
Monitoring Location	Kalvabugga Village		
Ambient Temperature °C	26 (Average)	Weather Condition	Clear
Wind Direction	NW	Flow Rate of Gases	0.20
Monitoring conducted by VISON LABS			

## TEST RESULTS

S.No.	Parameters	Units	Test Results	(NAAQS) Standards	Analysis Method
1.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	56	<100	Respirable Dust Sampler method (IS : 5182 P 23 - 2017)
2.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	27	<60	CPCB Guidelines for the measurement of Ambient Air Pollutants Vol. I, May 2011
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	7.8	<80	Improved West and Geake method (IS : 5182 P-II - 2017)
4.	Oxides of Nitrogen (NO <sub>2</sub> )	µg/m <sup>3</sup>	20.5	<80	Jacob and Hochheiser modified (Na- Arsenite) method (IS : 5182 P VI - 2017)

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NOTE: - 1. Above tested results are well with the limits as per NAAQS (National Ambient Air Quality Standards)

Checked by	Sr. Chemist	Authorized Signatory



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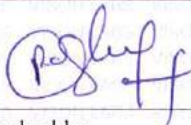
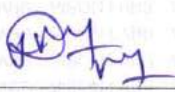
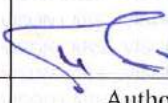
## TEST REPORT

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	Our Ref No	TC506421000020208F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample Description	Surface Water Collected at TRC Sump Water		
Appearance of the Sample	Clear liquid	Sample condition of testing	Found Ok
Sample Collection Date	10.11.2021	Sample Quantity	1 ltr
Sample Registration Date	11.11.2021	Date of Analysis	12.11.2021
Sample Collection Time	12:10 pm	Analysis Completion date	19.11.2021
Sample collected by of VISON LABS, Hyderabad			

## TEST RESULTS

S.No.	Parameters	Units of Measurement	Test Method	Results	Limits as Per As per IS: 2296 Class C
1.	pH @25°C	--	IS:3025 part 11 1983, RA-2012	8.20	6.5-8.5
2.	Dissolved Oxygen	mg/L	IS 3025 Part 38 : 2009	4.8	>4.0
3.	Chemical Oxygen Demand	mg/L	IS 3025 Part 58: 2006	40	--
4.	Biological Oxygen Demand (3 Days For 27°C)	mg/L	IS 3025 Part 44: 1993, RA - 2009	10	<3.0

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Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com  
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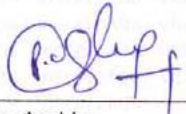
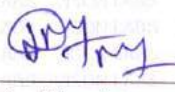

## TEST REPORT

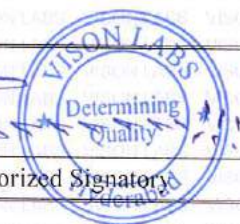
Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	20.11.2021	
	Our Ref No	TC506421000020211F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample Description	Surface Water Collected at Lower Reservoir Water		
Appearance of the Sample	Clear liquid	Sample condition of testing	Found Ok
Sample Collection Date	10.11.2021	Sample Quantity	1 ltr
Sample Registration Date	11.11.2021	Date of Analysis	12.11.2021
Sample Collection Time	02:20 pm	Analysis Completion date	19.11.2021
Sample collected by of VISON LABS, Hyderabad			

## TEST RESULTS

S.No.	Parameters	Units of Measurement	Test Method	Results	Limits as Per As per IS: 2296 Class C
1.	pH @25°C	--	IS:3025 part 11 1983, RA-2012	8.24	6.5-8.5
2.	Dissolved Oxygen	mg/L	IS 3025 Part 38 : 2009	4.6	>4.0
3.	Chemical Oxygen Demand	mg/L	IS 3025 Part 58: 2006	45	--
4.	Biological Oxygen Demand (3 Days For 27°C)	mg/L	IS 3025 Part 44: 1993, RA - 2009	10	<3.0

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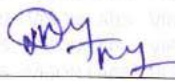
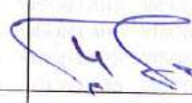
## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	20.11.2021	
	Our Ref No	TC506421000020209F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample Description	Surface Water Collected at Pinnapuram Pond Water		
Appearance of the Sample	Clear liquid	Sample condition of testing	Found Ok
Sample Collection Date	10.11.2021	Sample Quantity	1 ltr
Sample Registration Date	11.11.2021	Date of Analysis	12.11.2021
Sample Collection Time	12:50 pm	Analysis Completion date	19.11.2021
Sample collected by of VISON LABS, Hyderabad			

## TEST RESULTS

S.No.	Parameters	Units of Measurement	Test Method	Results	Limits as Per As per IS: 2296 Class C
1.	pH @25°C	--	IS:3025 part 11 1983, RA-2012	8.40	6.5-8.5
2.	Dissolved Oxygen	mg/L	IS 3025 Part 38 : 2009	4.5	>4.0
3.	Chemical Oxygen Demand	mg/L	IS 3025 Part 58: 2006	80	--
4.	Biological Oxygen Demand (3 Days For 27°C)	mg/L	IS 3025 Part 44: 1993, RA - 2009	30	<3.0

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## TEST REPORT

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	Our Ref No	TC506421000020210F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample Description	Surface Water Collected at Kommucheruvu PH & NH Road		
Appearance of the Sample	Clear liquid	Sample condition of testing	Found Ok
Sample Collection Date	10.11.2021	Sample Quantity	1 ltr
Sample Registration Date	11.11.2021	Date of Analysis	12.11.2021
Sample Collection Time	01:30 pm	Analysis Completion date	19.11.2021
Sample collected by of VISON LABS, Hyderabad			

## TEST RESULTS

S.No.	Parameters	Units of Measurement	Test Method	Results	Limits as Per As per IS: 2296 Class C
1.	pH @25°C	--	IS:3025 part 11 1983, RA-2012	8.32	6.5-8.5
2.	Dissolved Oxygen	mg/L	IS 3025 Part 38 : 2009	5.0	>4.0
3.	Chemical Oxygen Demand	mg/L	IS 3025 Part 58: 2006	50	--
4.	Biological Oxygen Demand (3 Days For 27°C)	mg/L	IS 3025 Part 44: 1993, RA - 2009	15	<3.0

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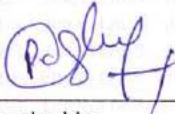
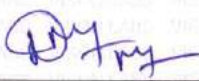

## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	20.11.2021	
	Our Ref No	TC506421000020212F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample Description	Surface Water Collected at Gorakallu Reservoir Water		
Appearance of the Sample	Clear liquid	Sample condition of testing	Found OK
Sample Collection Date	10.11.2021	Sample Quantity	1 ltr
Sample Registration Date	11.11.2021	Date of Analysis	12.11.2021
Sample Collection Time	03:10 pm	Analysis Completion date	19.11.2021
Sample collected by of VISON LABS, Hyderabad			

## TEST RESULTS

S.No.	Parameters	Units of Measurement	Test Method	Results	Limits as Per As per IS: 2296 Class C
1.	pH @25°C	--	IS:3025 part 11 1983, RA-2012	8.00	6.5-8.5
2.	Dissolved Oxygen	mg/L	IS 3025 Part 38 : 2009	5.3	>4.0
3.	Chemical Oxygen Demand	mg/L	IS 3025 Part 58: 2006	20	--
4.	Biological Oxygen Demand (3 Days For 27°C)	mg/L	IS 3025 Part 44: 1993, RA - 2009	04	<3.0

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## TEST REPORT

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	Our Ref No	TC506421000020207F	
	Your Ref. No.	GAP01/IREP/W.O./H.O/2021-22/060	
	Date	05.10.2021	
Sample description	<b>Bore Well Water Collected at Near Gumitham Mallikarjuna Swamy Temple</b>	Sample condition at time of registration	Found Ok
Appearance of the Sample	Clear Liquid	Mode of Packing	Pet bottle
Sample Collection Date	10.11.2021	Sample Quantity	1 ltr
Sample Registration date	11.11.2021	Date of Analysis	12.11.2021
Sample Collection Time	12:30 pm	Analysis Completion	19.11.2021
Sample collected by VISON LABS			

## TEST RESULTS

S. No	Parameters	Units of Measurement	Test Method	Test Results	Drinking Water Limits As per IS: 10500; 2012	
					Acceptable Limits	Permissible limits in absence of alternative Source
1.	pH at 25°C	--	IS:3025 part 11 1983, RA-2017	7.50	6.50 – 8.50	No relaxation
2.	Total Dissolved Solids	mg/L	IS: 3025 Part 16 1984, RA-2017	832	500 max	2000 max
3.	Total Suspended Solids	mg/L	IS 3025 Part 17 1984, RA-2017	<1.0	--	--
4.	Total Hardness as CaCO <sub>3</sub>	mg/L	IS: 3025 Part 21 2009, RA-2014	450	200 max	600 max
5.	Alkalinity – Phenolphthalein	mg/L	IS: 3025 Part 23 1986, RA-2014	Nil	--	--
6.	Alkalinity – Methyl Orange	mg/L	IS: 3025 Part 23 1986, RA-2014	320	200 max	600 max
7.	Chloride as Cl	mg/L	IS: 3025 Part 32 1988, RA-2014	250	250 max	1000 max
8.	Fluoride as F	mg/L	APHA 4500 F D 23 <sup>rd</sup> Edition	0.60	1.0 max	1.5 max

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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	20.11.2021
		Our Ref No	TC506421000020206F
		Your Ref. No.	GAP01/IREP/W.O./H.O/2021- 22/10/21
		Date	05.10.2021
Sample description	<b>Bore Well Water Collected at Gummitham Thanda Village</b>	Sample condition at time of registration	Found Ok
Appearance of the Sample	Clear Liquid	Mode of Packing	Pet bottle
Sample Collection Date	10.11.2021	Sample Quantity	1 ltr
Sample Registration Date	11.11.2021	Date of Analysis	12.11.2021
Sample Collection Time	12:30 pm	Analysis Completion date	19.11.2021
Sample collected by VISON LABS			

## TEST RESULTS

S. No	Parameters	Units of Measurement	Test Method	Test Results	Drinking Water Limits As per IS: 10500; 2012	
					Acceptable Limits	Permissible limits in absence of alternative Source
1.	pH at 25°C	--	IS:3025 part 11 1983, RA-2017	7.60	6.50 – 8.50	No relaxation
2.	Total Dissolved Solids	mg/L	IS: 3025 Part 16 1984, RA-2017	962	500 max	2000 max
3.	Total Suspended Solids	mg/L	IS 3025 Part 17 1984, RA-2017	05	--	--
4.	Total Hardness as CaCO <sub>3</sub>	mg/L	IS: 3025 Part 21 2009, RA-2014	500	200 max	600 max
5.	Alkalinity – Phenolphthalein	mg/L	IS: 3025 Part 23 1986, RA-2014	Nil	--	--
6.	Alkalinity – Methyl Orange	mg/L	IS: 3025 Part 23 1986, RA-2014	350	200 max	600 max
7.	Chloride as Cl	mg/L	IS: 3025 Part 32 1988, RA-2014	235	250 max	1000 max
8.	Fluoride as F	mg/L	APHA 4500 F D 23 <sup>rd</sup> Edition	0.74	1.0 max	1.5 max

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	Our Ref No	TC506421000020203F	
	Your Ref. No.	GAP01/IREP/W.O./H.O/2021-22/060	
	Date	05.10.2021	
Sample description	<b>Bore Well Water Collected at Brahmannpalle Village</b>	Sample condition at time of registration	Found Ok
Appearance of the Sample	Clear Liquid	Mode of Packing	Pet bottle
Sample Collection Date	10.11.2021	Sample Quantity	1 ltr
Sample Registration Date	11.11.2021	Date of Analysis	12.11.2021
Sample Collection Time	10:00 am	Analysis Completion date	19.11.2021
Sample collected by VISON LABS			

## TEST RESULTS

S. No	Parameters	Units of Measurement	Test Method	Test Results	Drinking Water Limits As per IS: 10500; 2012	
					Acceptable Limits	Permissible limits in absence of alternative Source
1.	pH at 25°C	--	IS:3025 part 11 1983, RA-2017	7.12	6.50 – 8.50	No relaxation
2.	Total Dissolved Solids	mg/L	IS: 3025 Part 16 1984, RA-2017	968	500 max	2000 max
3.	Total Suspended Solids	mg/L	IS 3025 Part 17 1984, RA-2017	<1.0	--	--
4.	Total Hardness as CaCO <sub>3</sub>	mg/L	IS: 3025 Part 21 2009, RA-2014	470	200 max	600 max
5.	Alkalinity – Phenolphthalein	mg/L	IS: 3025 Part 23 1986, RA-2014	Nil	--	--
6.	Alkalinity – Methyl Orange	mg/L	IS: 3025 Part 23 1986, RA-2014	390	200 max	600 max
7.	Chloride as Cl	mg/L	IS: 3025 Part 32 1988, RA-2014	335	250 max	1000 max
8.	Fluoride as F	mg/L	APHA 4500 F D 23 <sup>rd</sup> Edition	0.86	1.0 max	1.5 max

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	Our Ref No	TC506421000020205F	
	Your Ref. No.	GAP01/IREP/W.O./H.O/2021-22/060	
	Date	05.10.2021	
Sample description	<b>Bore Well Water Collected at Kalva Village</b>	Sample condition at time of registration	Found Ok
Appearance of the Sample	Clear Liquid	Mode of Packing	Pet bottle
Sample Collection Date	10.11.2021	Sample Quantity	1 ltr
Sample Registration Date	11.11.2021	Date of Analysis	12.11.2021
Sample Collection Time	11:30 am	Analysis Completion	19.11.2021
Sample collected by VISON LABS			

## TEST RESULTS

S. No	Parameters	Units of Measurement	Test Method	Test Results	Drinking Water Limits As per IS: 10500; 2012	
					Acceptable Limits	Permissible limits in absence of alternative Source
1.	pH at 25°C	--	IS:3025 part 11 1983, RA-2017	7.01	6.50 – 8.50	No relaxation
2.	Total Dissolved Solids	mg/L	IS: 3025 Part 16 1984, RA-2017	1736	500 max	2000 max
3.	Total Suspended Solids	mg/L	IS 3025 Part 17 1984, RA-2017	<1.0	--	--
4.	Total Hardness as CaCO <sub>3</sub>	mg/L	IS: 3025 Part 21 2009, RA-2014	800	200 max	600 max
5.	Alkalinity – Phenolphthalein	mg/L	IS: 3025 Part 23 1986, RA-2014	Nil	--	--
6.	Alkalinity – Methyl Orange	mg/L	IS: 3025 Part 23 1986, RA-2014	400	200 max	600 max
7.	Chloride as Cl	mg/L	IS: 3025 Part 32 1988, RA-2014	430	250 max	1000 max
8.	Fluoride as F	mg/L	APHA 4500 F D 23 <sup>rd</sup> Edition	0.98	1.0 max	1.5 max

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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. <b>Site: Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.		Issued Date	20.11.2021
		Our Ref No	TC506421000020204F
		Your Ref. No.	GAP01/IREP/W.O./H.O/2021-22/060
		Date	05.10.2021
Sample description	Bore Well Water Collected at Kommucheruvu Anjaneya Swami Temple	Sample condition at time of registration	Found Ok
Appearance of the Sample	Clear Liquid	Mode of Packing	Pet bottle
Sample Collection Date	10.11.2021	Sample Quantity	1 ltr
Sample Registration Date	11.11.2021	Date of Analysis	12.11.2021
Sample Collection Time	10:30 am	Analysis Completion	19.11.2021
Sample collected by VISON LABS			

## TEST RESULTS

S. No	Parameters	Units of Measurement	Test Method	Test Results	Drinking Water Limits As per IS: 10500; 2012	
					Acceptable Limits	Permissible limits in absence of alternative Source
1.	pH at 25°C	--	IS:3025 part 11 1983, RA-2017	7.06	6.50 – 8.50	No relaxation
2.	Total Dissolved Solids	mg/L	IS: 3025 Part 16 1984, RA-2017	1082	500 max	2000 max
3.	Total Suspended Solids	mg/L	IS 3025 Part 17 1984, RA-2017	<1.0	--	--
4.	Total Hardness as CaCO <sub>3</sub>	mg/L	IS: 3025 Part 21 2009, RA-2014	490	200 max	600 max
5.	Alkalinity – Phenolphthalein	mg/L	IS: 3025 Part 23 1986, RA-2014	Nil	--	--
6.	Alkalinity – Methyl Orange	mg/L	IS: 3025 Part 23 1986, RA-2014	450	200 max	600 max
7.	Chloride as Cl	mg/L	IS: 3025 Part 32 1988, RA-2014	210	250 max	1000 max
8.	Fluoride as F	mg/L	APHA 4500 F D 23 <sup>rd</sup> Edition	0.80	1.0 max	1.5 max

Page 1 of 1

Checked by	Sr. Chemist	Authorized Signatory

VL/QM/7. 8/TR

H.No. 16-11-23/37/A, Flat No. 205, 2nd Floor, Opp. R.T.A. Office, Musarambagh, Malakpet, Hyderabad - 500 036.  
Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com

NOTE : This Report is subject to the terms and conditions mentioned overleaf.



# VISON LABS

Environmental Consultants & Analytical Services

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MoEF & CC, NABET-QCI, ISO 9001 : 2015 & OHSAS 45001 : 2018

## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	20.11.2021	
	Our Ref No	TC506421000020189F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Date of Monitoring	08.11.2021-09.11.2021	Date of Registration	12.11.2021
Monitoring conducted by VISON LABS			

Total Average Results  
Units: dB (A)

S.NO	Monitoring Time	Brahmanpalle Bus Stand	Kalva Village Near School	Pinnapuram Near School	Kommucheruvu Anjeneya Swami Temple	Kalvabugga Temple	Power House Project Site
1.	06.00	49.2	45.7	43.6	42.6	54.5	43.9
2.	07.00	51.1	45.5	42.3	41.3	54.1	43.2
3.	08.00	55.9	42.8	45.4	44.4	51.1	41.8
4.	09.00	56.6	44.3	48.6	47.4	52.8	45.2
5.	10.00	52.2	47.3	46.5	45.4	56.4	43.3
6.	11.00	53.4	43.8	42.1	43.1	52.2	47.3
7.	12.00	50.7	43.2	45.2	45.1	50.8	41.9
8.	13.00	52.8	46.0	48.6	47.5	54.8	44.0
9.	14.00	53.7	47.0	49.5	48.3	56.1	46.4
10.	15.00	55.1	45.0	45.6	44.5	53.6	47.9
11.	16.00	53.7	45.9	44.4	43.4	54.7	48.5
12.	17.00	56.1	48.8	47.4	46.2	58.2	46.7
13.	18.00	55.5	47.6	49.4	48.2	56.5	43.8
14.	19.00	52.2	43.9	46.5	45.4	52.4	41.5
15.	20.00	50.7	42.3	44.4	43.3	50.4	42.7
16.	21.00	51.4	40.9	42.3	41.3	48.8	38.4
17.	22.00	48.4	38.2	39.6	37.7	45.3	36.4
18.	23.00	45.2	36.2	39.0	36.0	43.0	35.0
19.	24.00	43.4	35.3	36.8	33.9	42.0	33.8
20.	01.00	40.8	34.9	36.4	32.5	41.7	34.3
21.	02.00	39.6	35.8	36.7	34.8	42.7	35.8
22.	03.00	38.0	38.3	37.5	35.7	45.2	36.8
23.	04.00	40.9	41.9	39.9	36.0	49.8	38.1
24.	05.00	44.0	43.7	42.4	40.4	51.6	41.2

### Summary of the results

Name of location	Category	Leq day dB(A)	Leq Night dB(A)	CPCB Standards	
				Day Time	Night Time
Brahmanpalle Bus Stand	Residential	53.5	43.7	55	45
Kalva Village Near School	Residential	45.4	39.2	55	45
Pinnapuram Near School	Residential	46.3	39.0	55	45
Kommucheruvu Anjeneya Swami Temple	Residential	45.3	36.5	55	45
Kalvabugga Temple	Residential	54.2	46.7	55	45
Power House Project Site	Residential	44.9	37.1	55	45

Prepared by VL/QM/7.8/TR	Checked by	Authorized Signatory



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# VISON LABS

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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	20.11.2021	
	Our Ref No	TC506421000020202F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Date of Monitoring	10.11.2021-11.11.2021	Date of Registration	12.11.2021
Monitoring conducted by VISON LABS			

### Total Average Results Units: dB (A)

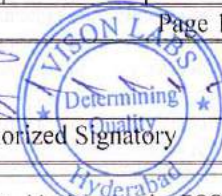
S.NO	Monitoring Time	Upper Reservary Project site	Brahmanpalle & Gani Solar Road	Brahmanpalle & Sakunala Road	Gorakallu Anganvadi School	Gummitham Thanda Village Anganvadi School	PH & NH Road
1.	06.00	41.1	45.3	42.9	41.7	40.6	43.2
2.	07.00	42.7	47.0	44.6	43.3	42.3	42.4
3.	08.00	46.7	44.2	45.4	44.1	40.0	41.1
4.	09.00	48.9	45.8	43.7	42.4	41.3	44.5
5.	10.00	46.9	49.0	45.6	44.3	44.1	42.5
6.	11.00	44.5	45.3	43.1	41.9	40.8	46.5
7.	12.00	42.6	43.6	40.8	39.6	39.8	41.2
8.	13.00	46.0	46.5	43.9	42.6	42.9	43.2
9.	14.00	48.9	48.6	44.7	43.4	43.9	45.5
10.	15.00	46.0	45.5	45.7	44.4	41.9	47.0
11.	16.00	45.8	47.4	48.4	47.0	42.8	47.7
12.	17.00	47.7	50.4	46.5	45.2	45.5	45.9
13.	18.00	48.9	49.2	45.9	44.5	44.2	43.1
14.	19.00	46.8	45.4	44.5	43.2	41.0	40.7
15.	20.00	45.6	43.7	43.1	41.8	39.4	41.9
16.	21.00	43.5	42.2	40.6	39.4	36.1	37.7
17.	22.00	41.1	38.5	38.9	37.8	34.4	35.7
18.	23.00	38.2	36.5	37.9	36.8	33.6	34.3
19.	24.00	37.1	34.6	35.8	34.8	31.9	33.2
20.	01.00	35.6	32.2	33.5	32.6	32.6	33.8
21.	02.00	33.2	34.1	30.9	30.1	33.5	35.2
22.	03.00	35.1	35.5	34.0	33.0	34.3	36.1
23.	04.00	36.4	39.3	35.4	37.3	35.0	37.4
24.	05.00	39.0	42.1	38.7	40.6	37.5	40.5

### Summary of the results

Name of location	Category	Leq day dB(A)	Leq Night dB(A)	CPCB Standards	
				Day Time	Night Time
Upper Reservary Project site	Residential	46.2	37.6	55	45
Brahmanpalle & Gani Solar Road	Residential	46.7	37.7	55	45
Brahmanpalle & Sakunala Road	Residential	44.7	43.3	55	45
Gorakallu Anganvadi School	Residential	43.3	36.5	55	45
Gummitham Thanda Village Anganvadi School	Residential	42.1	34.4	55	45
PH & NH Road	Residential	44.1	36.4	55	45

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Prepared by VL/QM/7.8/TK	Checked by	Authorized Signatory





# VISON LABS

Environmental Consultants & Analytical Services

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MoEF & CC, NABET-QCI, ISO 9001 : 2015 & OHSAS 45001 : 2018

## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	20.11.2021	
	Our Ref No	TC506421000020192F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample Particulars	Soil Sample Collected at Power House Project Site		
Sample Collection Date	09.11.2021	Sample Registration Date	12.11.2021
Analysis Start Date	12.11.2021	Completion Date	19.11.2021
Sample collected by VISON LABS			

## TEST RESULTS

S. No.	Parameters	UNITS	TEST METHOD	Test Results	SOIL SPECIFICATIONS
1.	pH @25 °C (20 % Slurry)	--	IS 2720 Part-26 1987,RA-2011	7.20	6.50 - 8.50
2.	Conductivity @25 °C (20 % Slurry)	µS/cm	IS 14767:2000, RA-2010	80	--
3.	Nitrogen as N	mg/kg	IS 14684:1999,RA-2008	240	--
4.	Potassium as K	mg/kg	FAO Method (Page 77):2007	206	150-800
5.	Phosphorus as P	mg/kg	FAO Method (Page 75):2007	22	10 - 45

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Checked by	Sr. Chemist	Authorized Signatory



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Tel : 040-24544320, 24541338, Mob : 98491 10019 / 94408 41338, E-mail : Info@visonlabs.com, vison.labs@gmail.com

NOTE : This Report is subject to the terms and conditions mentioned overleaf.



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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	20.11.2021	
	Our Ref No	TC506421000020193F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample Particulars	Soil Sample Collected at Upper Reservoir Project Site		
Sample Collection Date	09.11.2021	Sample Registration Date	12.11.2021
Analysis Start Date	12.11.2021	Completion Date	19.11.2021
Sample collected by VISON LABS			

## TEST RESULTS

S. No.	Parameters	UNITS	TEST METHOD	Test Results	SOIL SPECIFICATIONS
1.	pH @25 °C (20 % Slurry)	--	IS 2720 Part-26 1987,RA-2011	7.98	6.50 - 8.50
2.	Conductivity @25 °C (20 % Slurry)	µS/cm	IS 14767:2000, RA-2010	142	--
3.	Nitrogen as N	mg/kg	IS 14684:1999,RA-2008	334	--
4.	Potassium as K	mg/kg	FAO Method (Page 77):2007	315	150-800
5.	Phosphorus as P	mg/kg	FAO Method (Page 75):2007	42	10 - 45

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Checked by	Sr. Chemist	Authorized Signatory



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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	20.11.2021	
	Our Ref No	TC506421000020194F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample Particulars	Soil Sample Collected at <b>Gummitham Thanda</b>		
Sample Collection Date	09.11.2021	Sample Registration Date	12.11.2021
Analysis Start Date	12.11.2021	Completion Date	19.11.2021
Sample collected by VISON LABS			

## TEST RESULTS

S. No.	Parameters	UNITS	TEST METHOD	Test Results	SOIL SPECIFICATIONS
1.	pH @25 °C (20 % Slurry)	--	IS 2720 Part-26 1987,RA-2011	8.34	6.50 - 8.50
2.	Conductivity @25 °C (20 % Slurry)	µS/cm	IS 14767:2000, RA-2010	110	--
3.	Nitrogen as N	mg/kg	IS 14684:1999,RA-2008	310	--
4.	Potassium as K	mg/kg	FAO Method (Page 77):2007	280	150-800
5.	Phosphorus as P	mg/kg	FAO Method (Page 75):2007	32	10 - 45

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Checked by	Sr. Chemist	Authorized Signatory



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## TEST REPORT

Issued to: <b>M/s. Greenko Energies Private Limited.</b> Plot No. 1366, Road No. 45, Jubilee Hills, Hyderabad – 500 033, Telangana. Site: <b>Greenko AP01 IREP Private Limited.</b> Pinnapuram Village, Kurnool district, Andhra Pradesh-518 112.	Issued Date	20.11.2021	
	Our Ref No	TC506421000020190F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample Particulars	Soil Sample Collected at Brahmanpalle		
Sample Collection Date	09.11.2021	Sample Registration Date	12.11.2021
Analysis Start Date	12.11.2021	Completion Date	19.11.2021
Sample collected by VISON LABS			

## TEST RESULTS

S. No.	Parameters	UNITS	TEST METHOD	Test Results	SOIL SPECIFICATIONS
1.	pH @25 °C (20 % Slurry)	--	IS 2720 Part-26 1987,RA-2011	8.22	6.50 - 8.50
2.	Conductivity @25 °C (20 % Slurry)	µS/cm	IS 14767:2000, RA-2010	764	--
3.	Nitrogen as N	mg/kg	IS 14684:1999,RA-2008	520	--
4.	Potassium as K	mg/kg	FAO Method (Page 77):2007	475	150-800
5.	Phosphorus as P	mg/kg	FAO Method (Page 75):2007	86	10 - 45

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Checked by	Sr. Chemist	Authorized Signatory



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	Our Ref No	TC506421000020195F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample Particulars	Soil Sample Collected at Kalva Village		
Sample Collection Date	09.11.2021	Sample Registration Date	12.11.2021
Analysis Start Date	12.11.2021	Completion Date	19.11.2021
Sample collected by VISON LABS			

## TEST RESULTS

S. No.	Parameters	UNITS	TEST METHOD	Test Results	SOIL SPECIFICATIONS
1.	pH @25 °C (20 % Slurry)	--	IS 2720 Part-26 1987,RA-2011	8.10	6.50 - 8.50
2.	Conductivity @25 °C (20 % Slurry)	µS/cm	IS 14767:2000, RA-2010	412	--
3.	Nitrogen as N	mg/kg	IS 14684:1999,RA-2008	460	--
4.	Potassium as K	mg/kg	FAO Method (Page 77):2007	396	150-800
5.	Phosphorus as P	mg/kg	FAO Method (Page 75):2007	40	10 - 45

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	Our Ref No	TC506421000020191F	
	Your Ref No	GAP01/IREP/W.O./H.O/2021-22/060	
	Your Ref Date	05.10.2021	
Sample Particulars	Soil Sample Collected at Kommucheruvu		
Sample Collection Date	09.11.2021	Sample Registration Date	12.11.2021
Analysis Start Date	12.11.2021	Completion Date	19.11.2021
Sample collected by VISON LABS			

## TEST RESULTS

S. No.	Parameters	UNITS	TEST METHOD	Test Results	SOIL SPECIFICATIONS
1.	pH @25 °C (20 % Slurry)	--	IS 2720 Part-26 1987,RA-2011	8.14	6.50 - 8.50
2.	Conductivity @25 °C (20 % Slurry)	µS/cm	IS 14767:2000, RA-2010	118	--
3.	Nitrogen as N	mg/kg	IS 14684:1999,RA-2008	302	--
4.	Potassium as K	mg/kg	FAO Method (Page 77):2007	286	150-800
5.	Phosphorus as P	mg/kg	FAO Method (Page 75):2007	25	10 - 45

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Checked by	Sr. Chemist	Authorized Signatory



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## National Accreditation Board for Education and Training



### Certificate of Accreditation

#### **Pioneer Enviro Laboratories and Consultants Private Limited**

2nd Floor, A-Z Elite, Plot No. 197, Kavuri Hills, Guttala Begumpet Village, Madhapur,  
Hyderabad-500081

The organization is accredited as **Category-A** under the QCI-NABET Scheme for Accreditation of EIA Consultant Organization, Version 3: for preparing EIA-EMP reports in the following Sectors –

S. No	Sector Description	Sector (as per)		Cat.
		NABET	MoEFCC	
1	River Valley projects	3	1 (c)	A
2	Thermal power plants	4	1 (d)	A
3	Coal Washeries	6	2 (a)	A
4	Mineral beneficiation	7	2 (b)	B
5	Metallurgical industries (ferrous & non-ferrous)	8	3 (a)	A
6	Cement plants	9	3 (b)	A
7	Asbestos milling and asbestos based products	12	4 (c)	A
8	Distilleries	22	5 (g)	A
9	Sugar Industry	25	5 (j)	B
10	Building and construction projects	38	8 (a)	B
11	Townships and Area development projects	39	8 (b)	B

**Note: Names of approved EIA Coordinators and Functional Area Experts are mentioned in SAAC minutes dated Sep. 17, 2021 posted on QCI-NABET website**

The Accreditation shall remain in force subject to continued compliance to the terms and conditions mentioned in QCI-NABET's letter of accreditation bearing no. QCI/NABET/ENV/ACO/22/2227 dated Feb. 01, 2022. The accreditation needs to be renewed before the expiry date by Pioneer Enviro Laboratories and Consultants Private Limited, Hyderabad following due process of assessment.

# NABET

Sr. Director, NABET  
Dated: Feb. 01, 2022

Certificate No.  
NABET/EIA/1922/SA 0148

Valid up to  
Sep. 21, 2022

For the updated List of Accredited EIA Consultant Organizations with approved Sectors please refer to QCI-NABET website.

