IREP-Pinnapuram/MoEF&CC-SMR/211201 **Date: 01.12.2021**

To

The Director
Environment impact Assessment Division
(River Valley & Hydro Electric Projects)
Ministry of Environment, Forest & Climate Change
Govt. of India, Indira Paryavaran Bhawan
Jorbagh, New Delhi-110003

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 (Six Monthly) Compliance Report for the period April 2021 – Sep 2021 -reg

Ref: Ministry of Environment, Forests & Climate Change Letter No. J-12011/12/2018-IA.I.(R) Dated: 14-06-2020.

Dear Sir,

With reference to the above cited letter, we are pleased to submit "Six Monthly Compliance Report" of Pinnapuram Integrated RESP- Storage Project (1200MW) for the period **April 2021 – Sep 2021**.

Thanking You
Yours Sincerely
For **Greenko Energies Pvt. Ltd.**

N. Gopi Krishna

Greenko Energies Pvt. Ltd.

Authorized Signatory

Encl: As above

CC: Regional Ministry of Environment, Forest & Climate Change (MoEF&CC) Chennai

HALF YEARLY COMPLIANCE REPORT

PERIOD

APRIL 2021- SEPTEMBER 2021

STANDALONE PUMPED STORAGE COMPONENT (1200 MW) OF PINNAPURAM INTEGRATED RENEWABLE ENERGY PROJECT

GREENKO ENERGIES PRIVATE LIMITED,
Plot No. 1071, Road No.44, Jubilee Hills,
Hyderabad - 500033, Telangana,
Ph No: 040-40301000,
e-mail: envifor.irepap@greenkoenergyprojects.com

Six Monthly Compliance Report for the period April-Sep 2021

Environment Clearance: No. J-12011/12/2018-IA-I (R) Dated: 14th July,2020

S. No	CONDITIONS	STATUS
Part-A: Annexure-I (Standard EC Conditions for River Valley and Hydroelectric projects)		
I	**Statutory compliance**	
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.	MoEF&CC vide letter dated 23.04.2020 had accorded In-Principle (Stage-1) Clearance for diversion of 365.66 Ha of Forest land Copy enclosed at **Annexure-1**.
ii	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable	Not Applicable
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 I Species was prepared and submitted to Chief Wildlife Warden vide letter dated 08.05.2020. Subsequent to discussions with State Forest dept, revised conservation plan was submitted on 07.09.2021 for approval. The copy of letter is enclosed at **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 Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.	Consent to Establish has been obtained from State Pollution Control Board vide Order letter dated: 07.10.2020. Copy enclosed at **Annexure-3**
v	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDP) of CWC.	Site Specific design Earth Quake Parameter report for Pinnapuram PSP was prepared by NGRI Hyderabad and was approved by NCSDP of CWC vide letter dated 16.10.2021. Copy enclosed at **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 enclosed at **Annexure-5**.
II	**Air quality monitoring and preservation**	
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.	Being Complied.

S. No	CONDITIONS	STATUS
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.	Being Complied.
iii	Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.	Being Complied.
III	**Water quality monitoring and preservation**	
i	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, since the project is an Off-Stream Pumped Storage Project and not a run-off river project.
ii	Water depth sensors shall be installed at suitable locations to monitor e-flow. Hourly data to be collected and converted to discharge data. The Gauge and Discharge data in the form of Excel Sheet be submitted to the Regional Office, MoEF & CC and to the CWC on weekly basis.	e-flows are not applicable, since the project is an Off-Stream Pumped Storage Project and not a run-off river project.
IV	**Noise monitoring and prevention**	
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 day time and 70 dB(A) during night time.	Being Complied.
V	**Waste management**	
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.	Being Complied.
ii	Solid waste management should be planned in detail. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics.	Being Complied.
VI	**Green Belt and wildlife Management**	
i	Wildlife Conservation Plan approved by the Chief Wildlife Warden shall be implemented in consultation with the local State Forest Department.	Shall be Complied.
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	Being complied.

S. No	CONDITIONS	STATUS
	multi-layers with local indigenous species in consultation with the local State Forest Department.	
iii	Compensatory afforestation programme shall be implemented as per the plan approved.	Shall be undertaken by the State Forest Dept.
VII	**Public hearing and Human health issues**	
i	Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt, if any.	Since, the total private land of 120 ha (297 acres) being purchased through private negotiations 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 in-progress activities is enclosed at **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 avoid creation of breeding grounds of the vector borne diseases.	Being Complied.
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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Being Complied.
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.	Being Complied.
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	Noted. Will be complied in due course of time.
VIII	**Corporate Environment Responsibility**	
I	The Project Proponent shall comply with the provisions contained in this Ministry's OM Vide F.No. 22-06/2017-IA.III dated 01.05.2018, as applicable regarding Corporate Environmental Responsibility.	Being Complied.

S. No	CONDITIONS	STATUS
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	Noted, 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 approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Being Complied.
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.	Being 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.	Noted.
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.	Noted.
vii	Multi-Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee 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.	Noted.
IX	**Miscellaneous**	
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	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

S. No	CONDITIONS	STATUS
	shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	and another in English language i.e. Indian Express, dt.01.09.2020. Relevant copies enclosed at **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 enclosed at **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.	Noted.
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.	Noted.
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 website of the company.	Noted.
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.	Noted.
vii	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted.
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.	Noted.
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).	Noted.
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.	Noted.
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.	Noted

S. No	CONDITIONS	STATUS
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 requisite data / information/monitoring reports.	Noted.
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.

S.No	CONDITIONS	STATUS
Part-2: Additional Conditions		
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.	Necessary Approvals were received 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.	Noted
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 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.150.00lakhs), 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,	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 status report of CER activities is enclosed as **Annexure-6**.

S.No	CONDITIONS	STATUS
	preference should be given to strengthen the basic amenities in the project affected villages.	
iv	The clearance is valid for period of 10 years from the date of issue of this letter for commissioning of the project.	Noted
V	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.	Noted.
vi	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.	Being Complied, 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.
vii	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.	Since, the total private land of 120 ha (297 acres) being purchased through private negotiations 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.
viii	Necessary permission to be obtained for quarrying construction materials for the project as per the EIA Notification, 2006 and subsequent amendments thereof.	Noted.
ix	Preference to be given to the local villagers as per the requirements and suitability, in the job/other opportunities in the project, etc.	Shall be Complied as per the requirements and suitability, in the job/other opportunities in the project, etc.
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.	Being Complied. The Skill Development training for the local youth was already initiated through the Skill Development Center at Gani Location. So far, ITI Training in various trades to about 25 local youth from affected villages. In addition, need assessment and demand survey for skill mapping was 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.	Noted.
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 are being taken up for providing drinking water supply and primary health

S.No	CONDITIONS	STATUS
		service in the project affected villages. The list of activities undertaken as part of CER. (Refer **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.	Shall be Complied as per the requirements and suitability, in the job/other opportunities in the project, etc.
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.	Being Complied. (Already covered under S.No.x above.)
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.	Noted.

Annexure-1

File No. 8-32/2019-FC
Government of India
Ministry of Environment, Forest and Climate Change
(Forest Conservation Division)
*****

Indira Paryavaran Bhawan
Aliganj, Jorbagh Road
New Delhi – 110003
Dated:23rd 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 12th 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;**

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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 Nelore 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 topo-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

23.4.2020

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;

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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.

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.**

Greenko Energies Pvt. Ltd.

N. Goli Krishna

Authorized Signatory

Encl: As above

Received
08/9/2021
pccf & HoFF

PESHI
Andhra Pradesh

Annexure-3

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, GoI, 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 lr. dt. 29.09.2020 & 30.09.2020.

1. In the reference 3rd 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
Annual Energy		
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 lr.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

North	:	Agricultural lands
South	:	Pinnapuram village
East	:	Agricultural lands followed by Ghani RF
West	:	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
	Total	**100 KLD**

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
	Total	**72 KLD**

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, GoI 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, GoI, 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.

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

Signed by Batchu Siva Prasad
Date: 07-10-2020 19:05:33
Reason: Approved

ANNEXURE-4

Speed Post

भारतसरकारGovernment of India
केंद्रीयजलआयोग Central Water Commission
नींवअभियांत्रिकीएवंविशेषविश्लेषणनिदेशालय F. E. & S. A. Directorate
आठवीं मंजिल (उ), सेवा भवन, र.क. 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 06.112019.

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.

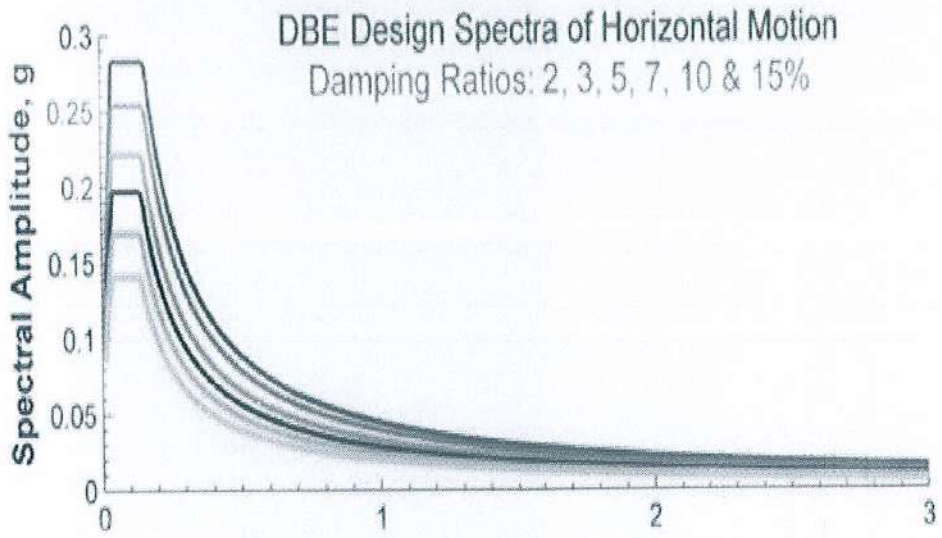
The NCSDP has approved study report of aforesaid project in its 36th meeting held on 14th August, 2020.

16/10/2020

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 (α_h)	.06	Vertical seismic co-efficient (α_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,

16/10/2020

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

Annexure-5

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

712 (N), सेवा भवन, आर-पुरम.के.1,नई दिल्ली-110066,फैक्स011:26103332,ईमेल: cea-hppi@nic.in,वेबसाइट:www.cea.nic.in
Sewa Bhawan, R.K.Puram-1, New Delhi-110066, Telefax: 011-26103332,Email: cea-hppi@nic.in, website:www.cea.nic.in

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,

27/05/2020

(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

Contents

		Page No
1.	INTRODUCTION	2-2
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3.	PROJECT AFFECTED AREA FOR CSER ACTIVITY	4-4
4.	FOCUS AREA FOR CSER ACTIVITY	4-5
5.	CSER PLAN IMPLEMENTATION	6-10
6.	CSER ACTIVITY AT A GLANCE	11-16

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	• Need based infrastructure support for existing Schools • Support for basic amenities in existing Schools • Support for teaching and learning materials • Support for improving quality of education • Support for meritorious students
Health Care	• Support or general and specialized health camps • Support to existing health facility • Support through mobile health care services • Support for emergency health care services • Awareness on Health and Hygiene

Focus Area	Nature of Activity
Infrastructure Development	• Support for strengthening existing roads • Support for existing transportation services • Support for Drinking Water facilities • Support in garbage collection/disposal • Support for Street Lighting facilities • Support for Community Toilet facilities
Skill Development and Training	• Skill Training of local youth for Job skills • Support for Vocational Training in market trades • Support for capacity building of local Teachers
Livelihood Enhancement for Job Opportunities	• Support to un-employed youth for small enterprises • Support to local youth for self-employment • Support to local women for household enterprises • Support to local artisans • Support for training and capacity building of local women
Environment Conservation and Protection Awareness	• Plantation along roads/open spaces/ community lands • Strengthening existing water resources • Awareness and Training on conservation of natural resources
Sports	• Support the local schools with play material and equipment • Support for local Anganwadi Centers with play equipment • Support for developing play grounds • Support the local sports events • Support the performing local sports persons
Agriculture and Animal Husbandry	• Support for natural farming /organic farming • Awareness and training on modern agricultural practices • Support for Veterinary services through Veterinary camps • Promote water efficiency Precision Agriculture
Rain Water Harvesting	• Construction of check dams and bunds. • Restoration of storage tanks • Support for drain water recovery and percolation ponds
Common Interest Activity	• Support for Community Infrastructure • Promoting local culture and traditions • Support for protection of local art forms • Support for protection of local heritage

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

Sl No	Focus Area/ Activity	Details of Activity
A	**EDUCATION**	
1	Repair and renovation of existing Government Upper Primary School at Pinnapuram Village.	• School Building repairs • Painting for existing structures etc • Providing Tables and Chairs • Providing Classroom Desks • Providing school bags and notebooks to students • Construction Bio Toilet Facility • Setting up of Drinking Water Cooler • Compound walls construction
2	Repair and renovation of existing Government Upper Primary School at Ondutla Village.	• School Building repairs • Painting for existing structures etc • Providing Classroom Desks • Providing school bags and notebooks to students • Construction Bio Toilet Facility • Setting up of Drinking Water Cooler
3	Repair and renovation of existing Government Primary School at Brahamanpalli Village.	• School Building repairs • Painting for existing structures etc • Providing Classroom Desks • Setting up of Drinking Water Cooler
4	Development of Govt Primary School at Gumtham Thanda Village	• School Building repairs • Painting for existing structures etc • Providing Classroom Desks
5	Provide new amenities in the existing Anganwadi Centre at Brahamanapalli Village	• Tables and Chairs for kids • Play Equipment for kids

Sl No	Focus Area/ Activity	Details of Activity
6	Provide new amenities in the existing Anganwadi Centre at Gumtham Thanda Village	• Tables and Chairs for kids • Play Equipment for kids
7	Provide teaching and learning material to existing Govt Schools at Pinnapuram and Ondutla Villages	• Providing books, • Providing computers and Printers • Providing display charts, etc
8	Provide additional teachers (Vidya Volunteers) for Govt Upper Primary School at Pinnapuram	• Providing Maths and Science Teachers for 3 years
B	**HEALTH CARE**	
1	Provide Mobile Health Clinic	• Provided a well equipped Hospital on Wheels • Mobile Clinic with full time Doctor, Technician cum pharmacist • Conducted diagnostic tests • Mobile Clinic conducts medical camps.
2	Conduct General and specialised Health camps	• Conducted General health Camps • Conducted Eye Screening Camps • Conducted Cancer Screening Camps
C	**INFRASTRUCTURE DEVELOPMENT**	
1	Providing Drinking Water Facility with RO Plant at Pinnapuram Village	• Constructed De Ionization RO Plant for Drinking Water • Dug borewells at distance of 2 kms and layed pipeline to the Village • Maintenance of the RO Plant
2	Supply of Drinking Water through Water Tankers	• Supplied Drinking water through Water Tankers to Pinnapuram Village
3	Repair/renovation of the existing drinking water resources in Pinnapuram	• Reconstruction of Open well • Provided Syntex Water tank
4	Provided LED Street Lighting facility	• Provided LED street lighting facility at Pinnapuram • Provided LED street lighting facility at Ondutla • Installation of Street Lights at Brahamanpalli

Sl No	Focus Area/ Activity	Details of Activity
		• LED Street Lights at Gumtham Thanda
D	**SKILL DEVELOPMENT AND TRAINING**	
1	Skill Training for local un-employed youth at Skill Development Centre	• Provided Skill Development Training to 25 youth at Skill Development Center at Gani for Solar installation and operation trade
E	**AGRICULTURE AND ANIMAL HUSBANDRY**	
1	Construction of drinking water ponds for Livestock	• Constructed water ponds for Livestock (Sheep/Buffalos) at Pinnapuram village
2	Promote natural farming/ organic farming	• Sponsored training to local framers
3	Conduct Veterinary Camps for livestock	• Planned for conducting a veterinary camp in Pinnapuram Village
F	**ENVIRONMENT**	
1	Tree Plantation	• Plantation in available village level institutions (schools, religious places, offices etc)
G	**SPORTS**	
1	Provide sports material to local Schools, Anganwadi Centres and village youth	• Provided Sports Material to Upper Primary Schools at Pinnapuram and Ondutla

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

Completed Activity

Sl. No.	Name of the Activity/Program	Focus Area	Amount Spent (Rs)
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
		Total	**94,46,564**

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
		Total	**12,25,000**

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

మండల పరిషత్ ప్రాథమిక పాఠశాల

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

DEADLINE EXTENDED

Tickets booked for APSRTC services post-lockdown can now be cancelled till September 14 as against the earlier deadline of August 29. The decision was taken as several passengers are yet to cancel their bookings, the RTC said in a statement.

Active coronavirus cases cross 1 lakh

State adds over 10,000 infections for sixth consecutive day, tests 56,490 samples in 24 hours

EXPRESS NEWS SERVICE @ Vijayawada

FOR the sixth day in a row, more than 10,000 fresh cases were reported, as the state's Covid-19 graph continued its steep spiral to reach 4,34,771 on Monday. Four districts contributed 1,000 new infections each.

Though recoveries have been on the higher side for the past few days, the spike of over 10,000 cases daily resulted in active cases crossing the one lakh-mark.

According to the latest bulletin by the State Command Control Room, 56,490 samples were tested in the 24 hours ending Monday 9 am, out of which 10,004 returned positive. Along with East Godavari, Nellore, Srikakulam and West Godavari too recorded over 1,000 new infections.

As many as 1,383 people tested positive in East Godavari in the 24 hours, followed by 1,142 in West Godavari, 1,086 in Nellore and 1,023 in Srikakulam district. Krishna district, with 159 new cases, saw the least spike. With 540 new cases, the tally in Vizianagaram district crossed 20,000; Nellore's cumulative cases breached the 30,000-mark.

With as many as 8,772 patients getting discharged from hospitals in the same period, the total recoveries climbed to 3.30 lakh, leaving 1,00,276 active cases.

Meanwhile, the death of another 85 patients in the state took the Covid toll in the state to 3,969.

In the 24 hours, Nellore reported the highest number of deaths (12), followed by nine each in Chittoor and Prakasam districts; eight in Kadapa; seven each in Anantapur, East Godavari, Guntur and West Godavari; six each in Kurnool and Visakhapatnam; four in Krishna, two in Vizianagaram and one in Vizianagaram district.

Chittoor district has seen most Covid deaths so far (415).

Shielding themselves with face masks, people go about their business at APSRTC bus station in Tirupati on Monday | MADHAV K

TRACKING STATE'S COVID DATA

DISTRICT	New cases	Total cases	New deaths	Total deaths
Anantapur	973	41,128	7	330
Chittoor	936	36649	9	415
East Godavari	1383	59403	7	391
Guntur	498	35761	7	376
Kadapa	420	26119	8	220
Krishna	159	16248	2	278
Kurnool	686	44745	6	378
Nellore	1086	30680	12	294
Prakasam	524	22380	9	284
Srikakulam	1023	24078	4	243
Visakhapatnam	634	36694	6	289
Vizianagaram	540	20399	1	164
West Godavari	1142	37106	7	307
Other States	0	2,461	0	0
Other countries	0	434	0	0

Viral watch

10,004 new cases

56,490 samples tested in 24 hrs

8,772 recoveries | 85 deaths

37,22,912 total samples tested | 4,34,771 total positive cases | 3,30,526 total recoveries

69,717 tests per million | 3,969 toll | 1,00,276 active cases

53.4% population per million tested | 11.68% positivity rate | 76.02% recovery rate | 0.91% mortality rate

10K litre oxygen tank comes up

EXPRESS NEWS SERVICE @ Nellore

TO augment the availability of oxygen beds, a 10,000-litre liquid oxygen tank was installed on the premises of government general hospital (GGH) in Nellore. The GGH currently has 324 oxygen beds (150 in ICU unit and 196 in non-ICU unit).

Meanwhile, the district reported 1,086 coronavirus cases on Monday, pushing the count to 32,196. With the discharge of 24,143 persons so far, the district now has 8,053 active cases. The medical teams have so far collected 2,69,223 throat swab samples. It may be mentioned that there are 2,340 oxygen beds in Covid-19 hospitals across the district and 2,219 non-oxygen beds in Covid care centres. The district administration has procured sufficient number of oxygen cylinders to support patients.

JEE: Expect staggered entry/exit at exam centres

A look at other guidelines

Candidates must fill self-declaration forms stating that they do not have any symptoms of Covid-19, have not travelled in the last 14 days and have not come in contact with any positive-tested person recently.

Once the exam finishes, they will have to exit the premises in a staggered manner

They will be given three-layered masks before entering the examination centre

All candidates will be checked for body temperatures

Separate isolation rooms for those with symptoms

EXPRESS NEWS SERVICE @ Vijayawada

WITH Joint Entrance Examination (JEE) Mains scheduled to start from Tuesday, candidates, this year, will have to follow some additional rules imposed in the wake of Covid-19.

The National Testing Agency (NTA), on the suggestions of the Ministries of Home Affairs and Health, has listed a few regulations with respect to physical distancing norm to be followed by students at exam centres.

Students have been given time slots to reach their respective centres so as to ensure that there is no crowding at entry points. Generally, the candidates are asked to arrive at their allotted centres half-an-hour before commencement of the examination. This time, they must reach during their allotted time slots beginning 8 am. Moreover, the exam will be conducted in two shifts—9 am to 12 pm and 3 pm to 6 pm. Parents/guardians have been instructed not to wait at the centres.

"Parents should leave the premises after dropping their wards. It is better if they wait outside the premises, not in groups but separately, for picking their kids after the exam ends," said NTA director general Dr. Vineet Joshi during a recent press meet. He said the total number of centres across the country have been increased to 660.

DY CM SAYS

Shops can be opened till 4 pm in Kadapa dist

EXPRESS NEWS SERVICE @ Kadapa

DEPUTY Chief Minister SB Amzad Basha sought people's cooperation to curb the spread of coronavirus in the district.

The Deputy CM, along with Sub-Collector Pridvi Tej, held a meeting with the task force committee here on Monday. Addressing the officials, Amzad Basha said the city reported 6,373 coronavirus cases so far. With the discharge of 3,853 persons, the city has now 2,449 active cases.

He said that due to relaxation in lockdown, shops can be opened till 4 pm. He directed the staff at PHCs to test 50 samples each every day. He praised Chief Minister YS Jagan Mohan Reddy for introducing Sanjeevani buses to conduct Covid-19 tests.

Amzad Basha instructed the officials to inform the public about the entire week's schedule of Sanjeevani buses. Covid-19 tests should be conducted on a priority basis to people above 60 years, he explained.

The Deputy CM said symptomatic persons below 40 years can stay in home isolation.

PUBLIC NOTICE

It is here by informed that my client **Mr. M.Tyagaraju** S/o Late M.Venkatappa has Lost/ misplaced his original link title deeds i.e., 3905 of 1999 and 849 of 1993 registered pertaining to All that the Plot No.22, admeasuring 240 sq.yds in survey no.243/2D, 243/2C and 243/2B after sub-division of the Sy.Nos.243/2B1A, 243/2C1A, 243/2D1A, 243/2D3B, situated at Thummalagunta Group of vedantapuram village Accounts, Thirupathi Rural Mandal, Thirupathi.

My Client has lodged a police complaint informing the loss to the concerned police station at East, Thirupathi and the concern Authority issued a Non Traceable Certificate dated 25.03.2015.

Further it is informed that, any person finding the above mentioned Title deed may return the same by way of registered post to the address given below or inform the undersigned by telephone. any person/(s) having any objections, claims, right, lien, title over the said property may please contact the under signed within **15 days** from the date of publication of this notice with relevant documents in support of their claim, As otherwise my client will proceed, treating no claims whatsoever in nature over the said property.

Sd/-
K.Ram Ratan Reddy
Advocate
#A4/B, Ground Floor,
Vikrampuri Colony,
Secundrabad- 500 009.
Telangana
Cell: 9390399911 & 9393099911
Email: k3r.advocate@gmail.com

Lack of bookings hits hotels hard

EXPRESS NEWS SERVICE @ Tirupati

ALREADY unsettled by a pandemic, hospitality sector in the temple town is unlikely to see a revival anytime soon as bookings for hotels are still significantly low even several relaxations in restrictions later.

Pilgrims, both local and global, come to Tirupati to visit the Tirumala temple, and stay at two five-star, 16 three-star and 160 one-star hotels. However, a majority of the hotels are struggling to fill even 20-30 per cent of occupancy.

In off-season, occupancy is around 60-70 per cent, which increases to 85-90 per cent during Bramhotsavams. However, the pandemic has changed the situation. "A majority of single-star hotels are getting only five per cent occupancy even after the ease of restrictions. These establishments opened to almost no bookings as the pilgrimage to Tirumala had been put on halt. Not just for the owners, but the situation is equally troublesome for employees," said Sasidhar, a member of Tirumala-Tirupati Hotels' Association, and demanded that the state government bail them out financially.

A majority of single-star hotels are getting only five per cent occupancy even after the ease of restrictions. These establishments opened to almost no bookings as the pilgrimage

Sasidhar, a member of local hotels' assn

The average time a visiting family spends in the temple town is two days, during which they visit all major temples here.

Hotels here employ 3,000-3,500 cooks, electricians, service boys and others who work in similar roles.

"I have been working in the maintenance section of hotels for the last 15 years. I and other employees have not got our salaries for four months now. Despite that, the management is asking us to come back to work and it would be paying only half our salaries until the situation improves," said K Nagaraju.

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1. sales.ho@niranigroups.com Cell 8151866691
2. admin@niranigroups.com Cell 9482773314

Managing Director

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▪F&C: Financial and Corporate ▪BP: Back Page ▪FP: Front Page ▪Appt: Appointment

For Details: Contact our nearest office

No. J-12011/12/2018-1A-1 (R)

GOVERNMENT OF INDIA

Ministry of Environment, Forest & Climate Change (IA.I Division)

Indira Paryavaran Bhawan
3 rd Floor, vayu Wing
Jor Bagh Road, New Delhi-3
Dated: 14th July, 2020

To
M/S Greenko Energies Private Limited
Plot No.1071, Road No. 44
Jubilee Hills, Hyderabad-500033
Telangana
Email id: envifor.irepap@greenkoenergyprojects.com

Sub: Pinnapuram Integrated RESP-Storage Project (1200 MW) in Tehsil Nandyal, District Kurnool, Andhra Pradesh by M/S Greenko Energies Private Limited regarding Environmental Clearance

Sir,

This has reference to your online proposal no. IA/AP/RIV/85218/2018 and your letter No. IREP/MoEF&CC/ EC/201811 13 dated 13.1 1 .2018 on the above-mentioned subject.

2. The above referred proposal was considered by the Expert Appraisal Committee (EAC) for River Valley & Hydroelectric projects in its 20th meeting held on 27.11.2018. The comments and observations of EAC on the project may be seen in the Minutes of the meeting which are available on the website of this Ministry.

3. 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 M W of Standalone Pumped Storage capacities to be developed in Phase I. All three components of Pinnapuram IR EP 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 is being sought for Standalone Pumped Storage component only. Proposed project ids located near Village Pinnapuram in Panyam Mandal District Kurnool of Andhra Pradesh.

4. Terms of Reference (TOR) to Pinnapuram IREP of 1000 MW project was accorded by Ministry of Environment Forests and Climate Change (MoEF&CC), Government of India vide letter no. J-12011/12/2018-IA. I(R), dated: 17.052018. Subsequently, amendment to TOR for Standalone Pumped storage component (1200 M W) of Pinnapuram IRE Project was accorded by this Ministry vide letter no. J-12011/12/2018-IA. I (R) dated 25.09.2018 for change in installed capacity, location, land, etc. Public hearing was held on 02.1 1.2018 near Mandal Parishad Upper Primary School, Pinnapuram, Panyam Mandal, Kurnool District, Andhra Pradesh. EIA report was submitted to the Ministry on 13.11.2018.

5. Project Proponent (PP) submitted in the EIA report and as informed to the EAC in the 20 th meeting that the project envisages creation of two new reservoirs near Pinnapuram village in Panyam Mandal, which is about 81 km from Kurnool, Andhra Pradesh. It involves non-consumptive re-utilization of 1.20 TMC of water to be taken from existing Gorakallu Reservoir to fill up Pinnapuram Upper reservoir, The Geographical coordinates of the proposed Pinnapuram upper reservoir are at longitude 78 0 15' 13" East and latitude is 15 0 36 '26" North and that of lower reservoir are 78 0 15 1 30" E and 15 0 37' 26" N. The full reservoir level and gross storage capacity of Upper reservoir are EL +463.00 m and 1.37 TMC, respectively whereas full reservoir level and gross storage capacity of Lower reservoir are EL +340.00 m and 1.42 TMC, respectively. The scheme envisages 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 35 m in upper reservoir for very short reach; 45 m high RCC Intake structure; 6 Nos. of 760 m long and 7.0 m diameter inclined circular steel lined Penstock/ Pressure Shaft five for each unit of 200 MW and one bifurcated into two penstocks to feed two units of 100 MW; a surface Power house having an installation of 7 Nos. reversible Francis turbine - 5 each of 200 MW capacity and 2 each of 100 MW capacity; operating under a rated head of 119.27 m in generating mode and 125.77 m in pumping mode ; 70 m wide concrete lined Tailrace channel with FSD of 6.00 m and 1300 m long connecting Tail race channel to the lower reservoir.

6. PP submitted that for the development of Standalone Pumped Storage component of Pinnapuram IREP, land would be acquired for construction of project components, reservoir area, muck dumping, quarrying, construction camps and colony. etc, based on the final project layout, land requirement has been finalized as 713.65 ha. Online application for diversion of 365.66 ha of forestland has been submitted vide proposal No. FP/AP/HYD/35371/2018 dated 28.08.2018. The Ministry of Environment, Forest & Climate change had issued in-principle approval for diversion of 365.66 Ha forestland for construction of pumped storage project in Kurnool Forest Division, Kurnool District of Andhra Pradesh in favour of M/S Greenko Energies Pvt. Limited on 23.04.2020.PP submitted that there is no National Park/ Wildlife Sanctuary within 10 km radius of the project area. Rollapadu Wildlife Sanctuary is about 1 1.50 Km from the Lower Reservoir area of the Pinnapuram IRE Project. Total cost of the 4 project is about Rs. 5468.03 Crores.

7. Project benefits: Pinnapuram IREP has been conceived as integrated project with solar, wind and pumped storage components that can supply Schedulable Power on Demand (SPOD) which is Dispatchable & Schedulable Renewable Energy. The Project would facilitate employment creation for 2,350 people during construction (2,000) and operation (350).

8. The proposal was earlier considered in the 20 th EAC meeting on 27.1 1.2018. After detailed deliberations and considering all the facts of the project as presented by the PP including the Public Consultation, EAC has recommended the proposal for grant of Environmental Clearance. Accordingly, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance for the above project as per the provisions of Environmental Impact Assessment Notification, 2006 and its subsequent amendments, subject to compliance of the Standard Environmental Conditions as enumerated in the Annexure I and following additional conditions:a

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.

II. The Environmental Management Plan (EMP) shall be strictly adhered to as submitted in the EIA/EMP reports 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.

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 01 st Mav- 2018. Activities proposed by the Project Proponent under CER includes provision to following focus area viz., education (200.00 lakhs) Health care (Rs.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), Environment Conservation and Protection Awareness (Rs.15.00 lakhs), Sports (Rs.120.00 lakhs), Agriculture and Animal Husbandry (Rs.75.00 lakhs) and Rainwater Harvesting (Rs.100.00 lakhs) Under CER activities, preference should be given to strengthen the basic amenities in the project affected villages.

IV. The clearance is valid for period of 10 years from the date of issue of this letter for commissioning of the project.

V. After 5 years of the commissioning of the project, a study shall be undertaken regarding impact of the project on the environment and downstream ecology. The study shall be undertaken by an independent agency, decided in consultation with the Ministry

VI. 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 plastics may be discouraged.

VII. 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.

VIII. Necessary permission to be obtained for quarrying construction materials for the project as per the ETA 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.

X. Measures to be taken to develop skills of the local villager,) particularly with respect to the trades relatsded to construction works such as electrician, welder, fitter, etc.

XI. All required permissions if any should be taken for the proposed Muck Dumping areas. Adequate protection measures should be taken up to avoid any spillage of 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.

XIII. Preference to be given to the local villagers 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.

XV. Approval of Central Electricity Authority may be obtained for 1200 MW Pumped Storage Project.

XVI. Any other clearances from any other organizations/departments as applicable to the project shall be obtained.

This has approval of the Competent Authority.

Yours faithfully,
(Dr A. Kerketta)
Director-IA.I

వివాహిత బలవన్మరణం

కోవెలకుంట్ల: మండలంలోని భీమునిపాడు గ్రామానికి చెందిన ఓ వివాహిత బలవన్మరణానికి పాల్పడింది. ఎస్‌ఐ చంద్రశేఖర్‌రెడ్డి అందించిన సమాచారం మేరకు.. గ్రామానికి చెందిన జోగి క్రాంతికుమారి(27) అనే మహిళను ఆమె భర్త మహేష్, బావ హరి కొన్ని రోజులుగా మానసికంగా, శారీరకంగా వేధిస్తుండటంతో జీవితంపై విరక్తి చెంది ఆదివారం రాత్రి క్రిమి సంహారక గుళికలు మింగి అపస్మారక స్థితికి చేరుకుంది. చికిత్స నిమిత్తం ఆమెను నంద్యాల ప్రభుత్వాసుపత్రికి తరలించగా కోలుకోలేక మృతి చెందింది. తన కుమార్తె మృతికి భర్త, బావ, మరో ఐదుగురు కారణమని మృతురాలి తల్లి లలితమ్మ కోవెలకుంట్ల పోలీస్‌స్టేషన్‌లో ఫిర్యాదు చేసింది. ఈ మేరకు కేసు నమోదు చేసి దర్యాప్తు చేస్తున్నట్లు ఎస్‌ఐ తెలిపారు.

అవమాన భారంతో..

ఆత్మహత్య చేసుకున్న లక్ష్మీబాయి

తుగ్గలి: అవమాన భారంతో ఓ మహిళ ఆత్మహత్యకు పాల్పడింది. ఎల్లమ్మగుట్ట తండాకు చెందిన రమావత్‌లక్ష్మీబాయి (35) తన కూతురు కవితను అదే తండాకు చెందిన దేవేంద్రనాయక్‌కు ఇచ్చి రెండేళ్ల క్రితం వివాహం చేసింది. ఆదివారం రాత్రి ఇంట్లో ఎవరూ లేని సమయంలో అల్లుడు లక్ష్మీబాయి చేయిలాగి బలాత్కరించబోయాడు. ఆమె ప్రతిఘటించడంతో బయటకు పరుగులు తీశాడు. జరిగిన ఘటనను అవమానంగా భావించి లక్ష్మీబాయి ఇంట్లోనే చీరతో ఉరేసుకుని ఆత్మహత్య చేసుకుంది. భర్త కృష్ణానాయక్ ఫిర్యాదు మేరకు కేసు నమోదు చేసుకుని దర్యాప్తు చేస్తున్నట్లు జొన్నగిరి పోలీసులు తెలిపారు.

పేదరికమే శాపమై. పేగుబంధం భారమై..

- 3 రోజుల పసికందును వదిలేసిన దంపతులు
- స్థానికుల సాయంతో శిశుసంరక్షణ కేంద్రానికి తరలింపు

ఐసీడీఎస్ సీడీపీఓ లావణ్యకు పసికందును అప్పగిస్తున్న ఆత్మకూరు ఎస్‌ఐ నాగేంద్రప్రసాద్, హోంగార్డ్ అమీర్

ఆత్మకూరు: నవమాసాలు మోసి పండంటి మగ బిడ్డకు జన్మనిచ్చింది ఆమె. పేగు బంధాన్ని చూసి సంబరపడాల్సిన ఆ దంపతుల్లో ఏదో తెలియని ఆందోళన. బతుకు దెరువు కోసం ఊరుకాని ఊరికొచ్చాం. పనిచేస్తే కానీ పూటగడవదు. ఇలాంటి పరిస్థితుల్లో పిల్లలను ఎలా పోషించుకోవాలని మదన పడ్డారు. ప్రత్యామ్నాయం కనిపించకపోవడంతో చివరకు పేగు బంధాన్నే వదులుకున్నారు. ఈ సంఘటన ఆత్మకూరు పట్టణంలో చోటు చేసుకుంది.

ఒడిశా రాష్ట్రం నుంచి మౌనిక, రమేష్ దంపతులు బతుకుదెరువు కోసం ఆత్మకూరుకు వలస వచ్చారు. డ్రైనేజీ నిర్మాణ పనులకు వెళ్తూ జీవనం సాగిస్తున్నారు. మౌనిక ఈ నెల 28 వ తేదీన ఆత్మకూరు ప్రభుత్వ వైద్యశాలలో మగబిడ్డకు జన్మనిచ్చింది. 3 రోజుల తర్వాత ఆసుపత్రి నుంచి డిశ్చార్జ్ అయి సాయిబాబానగర్‌లోని ఇంటికి చేరుకున్నారు. అప్పటికే ఈ దంపతులకు ఇద్దరు మగపిల్లలు ఉన్నారు. ప్రస్తుత కుటుంబ ఆర్థిక పరిస్థితుల్లో మూడో సంతానాన్ని పోషించే మార్గం కనిపించలేదు. దీంతో సోమవారం కరివేన గ్రామం శ్రీలక్ష్మీనరసింహస్వామి దేవాలయం సమీపంలో బిడ్డను వదిలి వెళ్లారు. ఆటువైపు వెళ్తున్న ఎల్‌ఐసీ ఉద్యోగి ఆంజనేయులు పసికందు ఏడుపులు విని ఆత్మకూరు ఎస్‌ఐ నాగేంద్ర ప్రసాద్‌కు సమాచారం అందజేశారు. పోలీసులు హుటాహుటిన అక్కడికి చేరుకుని ఆ పసికందును ఆత్మకూరు ప్రభుత్వ వైద్యశాలకు తీసుకెళ్లి వైద్యమందించారు. తర్వాత ఆరా తీసి పసికందు తల్లిదండ్రులను పిలిపించి విచారించారు. తమది పేద కుటుంబమని, ఇప్పటికే ఇద్దరు మగపిల్లలు ఉన్నారని, ఈ పిల్లవాడిని తాము పోషించుకోలేమని చెప్పారు. దీంతో ఆ శిశువును ఆత్మకూరు ఐసీడీఎస్ సీడీపీఓ లావణ్య సాయంతో కర్నూలు శిశుసంరక్షణ కేంద్రానికి తరలించారు.

నెం. జె-12011/12/2018-ఐఏ-1 (ఆర్)

భారత ప్రభుత్వం

పర్యావరణం, అడవులు & వాతావరణ మార్పు మంత్రిత్వ శాఖ

(ఐఏ.1 డివిజన్)

ఇందిరా పర్యావరణ్ భవన్
3వ అంతస్తు, వాయు వింగ్,
జోర్‌బాగ్ రోడ్డున్యూ ఢిల్లీ-3,
తేది: 14 జూలై, 2020

TO
M/s. గ్రీన్‌కోఎనర్జీస్ ప్రైవేట్ లిమిటెడ్,
ప్లాట్ నెం.1071, రోడ్డునెంబరు.44,
జూబ్లీ హిల్స్, హైదరాబాద్- 500033
తెలంగాణ
ఇమెయిల్:- envifor.irepap@greenkoenergyprojects.com

విషయం:పర్యావరణ అనుమతికి సంబంధించి మెస్సర్స్ గ్రీన్‌కో ఎనర్జీస్ ప్రైవేట్ లిమిటెడ్ ద్వారా ప్రతిపాదించబడిన పిన్నాపురం ఇంటిగ్రేటెడ్ ఆర్ఈపీ - స్టోరేజ్ ప్రాజెక్ట్ (1200 మెగావాట్లు), సంద్యాల తహసీల్, కర్నూలు జిల్లా, ఆంధ్రప్రదేశ్

సర్,

పైన తెలిపిన విషయానికి సంబంధించిన మీ ఆన్‌లైన్ ప్రతిపాదన నంబరు IA/AP/RIV/85218/2018 మరియు మీ లెటర్ నంబరు IREP/MoEF&CC/ EC/201811 13 తేది: 13.11.2018కు ఇది నిర్దేశం

2. పైన తెలిపిన ప్రతిపాదన రివర్ వ్యాలీ & హైడ్రో ఎలక్ట్రిక్ ప్రాజెక్ట్ కోసం ఎక్స్‌పర్ట్ అప్రైజల్‌కమిటీ (EAC)చే 27.11.2018న జరిగిన వారి 20వ సమావేశంలో పరిశీలించబడింది. ప్రాజెక్ట్‌పై ఇచ్చిన వ్యాఖ్యలు మరియు పరిశీలనలు సమావేశ కార్యవివరణలు (Minutes)లో చూడవచ్చును. అవి ఈ మంత్రిత్వ శాఖ వెబ్‌సైట్‌లో లభిస్తాయి.

3. పిన్నాపురం IREP సోర, వాయు మరియు పంప్ స్టోరేజ్ కాంపోనెంట్స్‌తో సమీకృత ప్రాజెక్ట్‌గా రూపొందించబడింది. దశ-1లో అభివృద్ధి చేయబడే 1000 మెగావాట్ల సోర, 550 మెగావాట్ల వాయు & 1200 మెగావాట్ల స్టాండ్‌ఎలోన్ పంప్ స్టోరేజ్ సామర్థ్యాలతో ఆం.ప్ర. ప్రభుత్వం ఈ ప్రాజెక్టును ఆమోదించింది. పిన్నాపురం IREP యొక్క అన్ని మూడు కాంపోనెంట్లు ఒకదానికి ఒకటి దగ్గరలో ఉన్నాయి. మరియు అందు వలన అన్ని మూడు కాంపోనెంట్స్ నుంచి విద్యుత్ కామన్ పూలింగ్ స్టేషన్‌లోకి సమీకృతం చేయబడుతుంది. మరియు జాతీయ గ్రిడ్‌లోకి తదుపరి సరఫరా చేసేందుకు ఓర్వకల్లు వద్ద PGCIL/CTU సబ్‌స్టేషన్‌కు కలుపబడుతుంది. ప్రతిపాదిత స్టాండ్ ఎలోన్ పంప్ స్టోరేజ్ ప్రాజెక్ట్ (1200 మెగావాట్లు) పిన్నాపురం ఇంటిగ్రేటెడ్ రెన్యువబుల్ ఎనర్జీ ప్రాజెక్ట్ (IREP) లో భాగం, స్టాండ్‌ఎలోన్ పంప్ స్టోరేజ్ కాంపోనెంట్‌కు మాత్రమే పర్యావరణ అనుమతి కోరబడింది. ప్రతిపాదిత ప్రాజెక్ట్ ఆంధ్రప్రదేశ్ రాష్ట్రంలోని కర్నూలు జిల్లా పాణ్యం మండలంలోని పిన్నాపురం గ్రామం సమీపాన ఉంది.

4. పిన్నాపురం ఐఆర్ఈపీ 1000మెగావాట్ల ప్రాజెక్ట్ కూడా విచారణ నిబంధనలు (టీఓఆర్) పర్యావరణం, అడవులు మరియు వాతావరణ మార్పు మంత్రిత్వ శాఖ(MoEF&CC) భారత ప్రభుత్వంచే లెటర్ నెం J-12011/12/2018-IA. I(R). తేది: 17.05.2018 ద్వారా ఇవ్వబడింది. తదుపరి స్థాపన సామర్థ్యం ప్రదేశం, భూమి మొ॥ వాటిలో మార్పులకు పిన్నాపురం IREP ప్రాజెక్ట్ యొక్క స్టాండ్‌ఎలోన్ పంప్ స్టోరేజ్ కాంపోనెంట్ (1200 మెగావాట్లు) కోసం TOR కు సవరణ లెటర్ నెం.J-12011/12/2018-IA. I (R) తేది: 28.09.2018 ప్రకారం ఈ మంత్రిత్వ శాఖచే ఇవ్వబడింది. మండల పరిషత్ అప్పర్ ప్రైమరీ స్కూల్ సమీపాన, పిన్నాపురం పాణ్యం మండలం, కర్నూలు జిల్లా, ఆంధ్రప్రదేశ్‌లో 02.11.2018న బహిరంగ విచారణ జరుపబడింది. ఇఐఏ నివేదిక మంత్రిత్వ శాఖకు 13.11.2018న దాఖలు చేయబడినది.

5. EIA నివేదికలో ప్రాజెక్ట్ ప్రొపోనెంట్(PP) దాఖలు చేయబడింది మరియు ఆంధ్రప్రదేశ్ రాష్ట్రంలోని కర్నూలు నుండి సుమారు 81 కి.మీ. దూరంలో ఉన్న పాణ్యం మండలంలోని పిన్నాపురం గ్రామం సమీపాన రెండు కొత్త రిజర్వాయర్ల కల్పనను ప్రాజెక్ట్ ఊహిస్తోందని 20వ సమావేశంలో ఇవాక్ తెలుపబడింది. అందులో పిన్నాపురం అప్పర్ రిజర్వాయర్ నింపేందుకు ప్రస్తుతం ఉన్న గోరకల్లు రిజర్వాయర్ నుంచి తీసుకోవలసిన 1.20 TMCలు ఉపయోగించి నీటి పునః వినియోగంతో ప్రమేయం కలిగి ఉంది. ప్రతిపాదిత పిన్నాపురం అప్పర్ రిజర్వాయర్ భౌగోళిక సమన్వయాలు లాంగిట్యూడ్ 78° 15'13" మరియు లాటిట్యూడ్ 15° 36' 26" ఉత్తరం మరియు లోయర్ రిజర్వాయర్ 78° 15' 30" తూర్పు మరియు 15° 37' 26" ఉత్తరం, అప్పర్ రిజర్వాయర్ యొక్క పూర్తి రిజర్వాయర్ స్థాయి మరియు స్థూల నిల్వ సామర్థ్యం వరుసగా EL +463.00మీ. మరియు 1.37 TMC లోయర్ రిజర్వాయర్ యొక్క పూర్తి రిజర్వాయర్ స్థాయి మరియు స్థూల నిల్వ సామర్థ్యం వరుసగా EL +340.00మీ. మరియు 1.42 TMC. ఈ పథకంలో లోయర్ రిజర్వాయర్‌లో గరిష్టంగా 33మీ. ఎత్తుతో సుమారుగా 12 మీ. నుంచి 14 మీ. సగటు ఎత్తు గల మరియు అప్పర్ రిజర్వాయర్‌లో అతి తక్కువ దూరానికి 35 మీ. 46మీ. ఎత్తుగల ఆర్.సి.సి. ఇన్‌టేక్ స్ట్రక్చర్ గల రాక్‌ఫిల్ ఎంబ్యాంక్‌మెంట్స్ 760మీ. పొడవు గల మరియు 7.0 మీ. డయామీటర్ ఇన్‌క్లైండ్ సర్ఫేస్ స్టీల్ లైన్డ్ పెన్ స్టాక్స్/ డ్రాఫ్ట్ షాఫ్ట్ ప్లైన్ 200మెగావాట్ల గల ఒక్కొక్క యూనిట్ కోసం 6 సెంబర్లు మరియు 100 మెగావాట్ల గల రెండు యూనిట్లకు పీస్ చేయబడి రెండు పెన్ స్టాక్స్‌లోకి ఒకటిగా విభజించబడి, ఒక్కొక్కటి 200 మెగావాట్ల సామర్థ్యం గల 5 మరియు ఒక్కొక్కటి 100 మెగావాట్ల సామర్థ్యం గల రివర్సిబుల్ ఫ్రాన్సిస్ టర్బైన్ 2 మొత్తం 7 సెంబర్లు, మెనరేటింగ్ మోడ్‌లో 119.27మీ. మరియు పంపింగ్ మోడ్ క్రింద 125.77 మీ. రేటెడ్ హెడ్ క్రింద ఆపరేటింగ్, లోయర్ రిజర్వాయర్‌కు టైల్ రేస్ ఛానల్ కలిపేందుకు 1300 మరియు 6.00మీ. పొడవుగల FSDతో 70 మీ. వెడల్పు గల కాంక్రీట్ లైన్డ్ టియల్ రేస్ ఛానల్ స్థాపన సర్ఫేస్ పవర్ హౌస్ నిర్మాణం ఊహించబడుతోంది.

6. పిన్నాపురం IREP కి స్టాండ్‌ఎలోన్ పంప్ స్టోరేజ్ కాంపోనెంట్ అభివృద్ధి కోసం PP దరఖాస్తు చేయబడింది. ప్రాజెక్ట్ కాంపోనెంట్స్ రిజర్వాయర్ ఏరియా మక్ డంపింగ్, క్వారీయింగ్, క్యాంపులు మరియు కాలనీ నిర్మాణం మొదలైన వాటి నిర్మాణానికి భూమి సేకరించవలసి ఉంది. ఈవి ప్రాజెక్ట్ లేబల్ పై అటవీయేతర భూమి ఆవశ్యకత 713.65 హెక్టార్లుగా ఖరారు చేయబడింది. ప్రతిపాదన నంబరు FP/AP/HYD/35371/2018 తేది: 28.08.2018 ప్రకారం 365.66 హెక్టార్ల అటవీ భూమి మళ్ళింపునకు ఆన్‌లైన్ దరఖాస్తు దాఖలు చేయబడింది. M/s గ్రీన్‌కో ఎనర్జీస్ ప్రైవేట్ లిమిటెడ్ పేరున ఆంధ్రప్రదేశ్ రాష్ట్రంలోని కర్నూలు జిల్లా, కర్నూలు ఫారెస్ట్ డివిజన్‌లో, పంప్ స్టోరేజ్ ప్రాజెక్ట్ నిర్మాణానికి 365.66 హెక్టార్ల అటవీ భూమి మళ్ళింపునకు పర్యావరణ, అడవులు & వాతావరణ మార్పు మంత్రిత్వ శాఖ సూత్ర ప్రాయంగా 23.04.2020న ఆమోదం తెలియజేసింది. ప్రాజెక్ట్ ఏరియా 10కి.మీ. పరిధిలో నేషనల్ పార్క్ / వన్యప్రాణి అభయారణ్యం లేదని పి.పి. దాఖలు చేయబడింది. పిన్నాపురం IREP ప్రాజెక్ట్ యొక్క లోయర్ రిజర్వాయర్ ఏరియా నుంచి సుమారుగా 11.50 కి.మీల దూరంలో రోళ్ళపాడు వన్యప్రాణి శాంక్చువరీ ఉంది. ప్రాజెక్ట్ మొత్తం వ్యయం 5468.03 కోట్లు

7. ప్రాజెక్ట్ ప్రయోజనాలు:- పిన్నాపురం IREP సోర, వాయు మరియు పంప్ స్టోరేజ్ కాంపోనెంట్స్‌తో సమీకృత ప్రాజెక్ట్‌గా రూపొందించబడింది. అది షెడ్యూలబుల్ పవర్ ఆన్ డిమాండ్ (SPOD) ను సరఫరా చేయుటకు అది డిస్పాచబుల్ చేయగల & షెడ్యూల్ చేయగల రెన్యువబుల్ ఎనర్జీ. ఈ ప్రాజెక్ట్ నిర్మాణ కాలంలో (2000) మందికి, నిర్వహణ కాలంలో (350) మందికి మొత్తం 2350 మందికి ఉపాధి కల్పిస్తుంది.

8. ఈ ప్రతిపాదన ఇంతకుముందు 27.11.2018న జరిగిన 20వ EAC సమావేశంలో పరిశీలించబడింది. ప్రజలను సంప్రదించడంతో పాటు పిపి లేదా దాఖలు చేయబడిన విధంగా ప్రాజెక్టుకు సంబంధించిన అన్ని వాస్తవాలను పరిశీలించిన తర్వాత, సవివరమైన సమాలోచనల తర్వాత పర్యావరణ అనుమతి మంజూరు కోసం EAC సిఫారసు చేసింది. ఆ ప్రకారం పర్యావరణ ప్రభావ మదింపు ప్రకటన 2006 నిబంధనలు మరియు దాని తదుపరి సవరణల ప్రకారం Annexure-I లో పేర్కొన్న విధంగా ప్రామాణిక పర్యావరణ నిబంధనలు మరియు దిగువ అదనపు నిబంధనలకు లోబడి, పై ప్రాజెక్ట్ కోసం పర్యావరణ, అడవులు, మరియు వాతావరణ మార్పు మంత్రిత్వ శాఖ పర్యావరణ అనుమతిని మంజూరు చేసింది.

i. గోరకల్లు రిజర్వాయర్ నుంచి వినియోగించవలసిన ప్రతిపాదిత 1.2 TMCల నీటి కేటాయింపు కోసం సమర్థ ప్రాధికార సంస్థ ఆమోదం పొందాలి.

ii. EIA / EMP నివేదికలో దాఖలు చేసిన విధంగా ఎన్విరాన్‌మెంటల్ మేనేజ్‌మెంట్ ప్లాన్(EMP) ఖచ్చితంగా పాటించాలి మరియు EMP అమలు కోసం బడ్జెట్ కేటాయింపు రూ.11839.65 లక్షల మొత్తాన్ని పూర్తిగా వినియోగించుకోవాలి మరియు మరే ఇతర అవసరానికి మళ్ళించరాదు. భవిష్యత్తులో మార్పు కారణంగా లేదా ప్రాజెక్ట్ వ్యయం సవరించిన సందర్భంలో ఇఎంపి వ్యయానికి దామాషా ప్రకారం అప్‌డేట్ చేయాలి.

iii. మంత్రిత్వ శాఖ కార్యాలయం మెమోరాండం తేది:01 మే-2018 ప్రకారం ప్రతిపాదిత కార్యకలాపాల కోసం కార్పొరేట్ ఎన్విరాన్‌మెంటల్ రెస్పాన్సిబిలిటీ (CER) క్రింద రూ.27.35 కోట్లు పెట్టుబడిని ఖచ్చితంగా వినియోగించాలి. CER క్రింద ప్రాజెక్ట్ ప్రపోనెంట్‌చే ప్రతిపాదించిన కార్యకలాపాలలో దిగువ తెలిపిన రంగాలకు అంటే విద్యకు (రూ.200.00 లక్షలు) ఆరోగ్య సంరక్షణకు (రూ.550.00 లక్షలు) మౌలిక సదుపాయాల అభివృద్ధికి (రూ.425.00 లక్షలు) నైపుణ్య అభివృద్ధి మరియు మెరుగుపరిచిన ఉద్యోగ అవకాశాలకు, శిక్షణకు (రూ.1100.00 లక్షలు) కామన్ ఇంటరెస్ట్ యాక్టివిటీ (రూ.150.00లక్షలు) పర్యావరణ పరిరక్షణ మరియు సంరక్షణ ఆధారాలకు (రూ.16.00లక్షలు) క్రీడలకు (రూ.120.00 లక్షలు) వ్యవసాయం మరియు పశుసంవర్థక శాఖకు (రూ.75.00 లక్షలు) రెయిన్ వాటర్ హార్వెస్టింగ్‌కు రూ.100.00 లక్షలు) కేటాయింపు చేయబడినది. CER కార్యకలాపాలకు ప్రాజెక్ట్ వలన ప్రభావానికి గురి అయ్యే గ్రామాలకు మౌలిక సదుపాయాల పటిష్టతకు ప్రాధాన్యత ఇవ్వాలి.

iv. ప్రాజెక్ట్ ప్రారంభించడానికి ఈ లెటర్ జారీ తేది నుండి 10 సంవత్సరాల కాలానికి అనుమతి చెల్లుబాటులో ఉంటుంది.

v. ప్రాజెక్ట్ ప్రారంభించిన 5 సంవత్సరాల తర్వాత, పర్యావరణం మరియు సామాజిక జీవనంపై ప్రాజెక్ట్ ప్రభావానికి సంబంధించి అధ్యయనం చేయాలి. మంత్రిత్వ శాఖతో సంప్రదించి నిర్ణయించిన స్వతంత్ర ఏజెన్సీ ద్వారా అధ్యయనం చేయాలి.

vi. తవ్వకం అయిన ఘనపదార్థాలు ముఖ్యంగా ప్లాస్టిక్ వ్యర్థాలు మొదలైనవి ల్యాండ్ ఫిల్ మెటీరియల్‌గా పారవేయరాదు. దానిని సైంటిఫిక్ ఆఫ్‌సెట్ ఉపయోగం, రీసైకిల్ చేయాలి. ప్లాస్టిక్స్ వినియోగాన్ని ప్రోత్సహించరాదు.

vii. ప్రాజెక్ట్ కోసం సేకరించిన భూమి ప్రస్తుతం ఉన్న మార్గదర్శక సూత్రాల ప్రకారం తగిన విధంగా నష్టపరిహారం ఇవ్వాలి. భూసేకరణ పునరావాసం, పునరాభివృద్ధి చట్టం 2013లో సముచిత నష్టపరిహారం మరియు పారదర్శకతకు హక్కు నిబంధనల ప్రకారం ప్రైవేట్ భూమి సేకరించాలి.

viii. EIA ప్రకటన 2006 మరియు ఆ తరువాత దానిలో చేసిన సవరణల ప్రకారం ప్రాజెక్ట్ కోసం క్వారీయింగ్ నిర్మాణం మెటీరియల్స్ కోసం అవసరమైన అనుమతి పొందాలి.

ix. ప్రాజెక్ట్‌లో ఉద్యోగ/ఇతర అవకాశాలలో ఆవశ్యకతలు, తగు వృత్తులను ప్రకారం స్థానిక గ్రామస్థులకు ప్రాధాన్యత ఇవ్వబడును.

x. స్థానిక గ్రామీణులు ముఖ్యంగా ఎలక్ట్రీషియన్, వెల్డర్, ఫిట్టర్ మొదలైనటువంటి నిర్మాణ పనులకు సంబంధించిన ట్రేడ్‌లకు సంబంధిత నైపుణ్య అభివృద్ధికి చర్యలు చేపట్టాలి.

xi. ప్రతిపాదిత మక్ డంపింగ్ ఏరియాల కోసం అవసరమైన అన్ని అనుమతులు తీసుకోవాలి. అదనపు పున్న వ్యవసాయ పొలాలలో మక్ చెదల్లకుండా నివారించడానికి తగిన రక్షణ చర్యలు తీసుకోవాలి.

xii. CER కార్యకలాపాల క్రింద తాగునీటి సరఫరా, విద్యుత్, ఆరోగ్య సంరక్షణ సదుపాయాల కల్పన మొదలైనటువంటి మౌలిక సదుపాయాలను ప్రాజెక్ట్ ప్రభావిత గ్రామాలలో పటిష్ట పరిచేందుకు చర్యలు తీసుకోవాలి.

xiii. ప్రాజెక్ట్‌లో ఉద్యోగ/ ఇతర అవకాశాలలో ఆవశ్యకతలు, తగువృత్తులను ప్రకారం స్థానిక గ్రామస్థులకు ప్రాధాన్యత ఇవ్వాలి.

xiv. స్థానిక గ్రామీణులకు ముఖ్యంగా ఎలక్ట్రీషియన్, వెల్డర్, ఫిట్టర్ మొదలైన నిర్మాణ పనులకు సంబంధించిన ట్రేడ్‌లకు సంబంధిత నైపుణ్యాల అభివృద్ధికి చర్యలుచేపట్టాలి.

xv. 1200 మెగావాట్ల పంప్ స్టోరేజ్ ప్రాజెక్ట్ కోసం సెంట్రల్ ఎలక్ట్రిసిటీ అథారిటీ ఆమోదం పొందాలి.

xvi. ప్రాజెక్టుకు వర్తించే విధంగా ఏవేని ఇతర సంస్థలు/ శాఖల నుంచి ఏవేని ఇతర అనుమతులు పొందాలి.

సమర్థ ప్రాధికారి ఆమోదంతో ఇది జారీ చేయబడింది.

భవదీయుడు
(డా॥ ఎ.జెరోజెల్లా),
డైరెక్టర్ ఐ.ఏ.I

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, 1st 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.
5	The Executive Officer, Gram Panchayath Office, Pinnapuram (V), Panyam (M), Kurnool Dt.	6	The Executive Officer, Gram Panchayath Office, Brahmanapalle (V), Orvakal (M), Kurnool.
7	The Chief Executive Officer, Zilla Parishad, Kurnool.	8	The Tahsildar Office, Panyam (M), Kurnool District.

Sub: Pinnapuram Integrated RESP-Storage Project (1200 MW) in Kurnool District, Andhra Pradesh being implemented by M/s Greenko Energies Pvt. Ltd.- Display of Environmental Clearance (EC) - reg.

Ref: MoEF&CC letter No. J12011/12/2018.IA.I, Dated 14.07.2020.

Dear Sir,

We would also like to bring your kind notice that, the Ministry of Environment, Forest & Climate Change (MoEF & CC) had granted Environmental Clearance (EC) for construction of pumped storage project in Kurnool Forest Division, Kurnool District of Andhra Pradesh in favor of M/s Greenko Energies Pvt. Ltd (GEPL) vide letter dated 14.07.2020.

As per the condition stipulated at ii of IX-Miscellaneous, Environmental Clearance shall be displayed at your office for information of the Public. Hence, the copy of Environmental Clearance issued to GEPL is herewith attached for display in your office notice board for a period of 30 days for information of the general public.

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

N. Gokul Krishna

Authorised Signatory

Encl: As above

Greenko Energies Private Ltd.

A.P. Pollution Control Board Regional Office KURNOOL Dt: 10/08/20

Ref: IREP-Pinnapuram/SPCB/EC/200804

Dated: 04.08.2020

To,

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N. Gobi Krishna

Authorised Signatory

Encl: As above

Greenko Energies Private Ltd.

10/08/20

Ref: IREP-Pinnapuram/SPCB/EC/200804 **Dated: 04.08.2020**

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N. Gokul Krishna

Authorised Signatory

Encl: As above

Greenko Energies Private Ltd.

for :- K.

13 AUG 2020

Ref: IREP-Pinnapuram/SPCB/EC/200804 **Dated: 04.08.2020**

To,

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Yours faithfully
For M/s Greenko Energies Private Limited

N. Gopi Krishna

Authorised Signatory

Encl: As above

Greenko Energies Private Ltd.

For: K.

జాతీయ గుమాస్తా,
పరిశ్రమల కేంద్రము
కర్నూలు.

Greenko Energies Private Limited
(CIN: U40109TG2000FTC034990)

Greenko

Ref: IREP-Pinnapuram/SPCB/EC/200804 **Dated: 04.08.2020**

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For M/s **Greenko Energies Private Limited**

N. Gopi Kishore

Authorised Signatory

Encl: As above

Greenko Energies Private Ltd.

For: K. [illegible]

Copy Received by
[illegible] 10/08/2020
పంచాయితి కార్యదర్శి
సూరాలిమెట్ట (గ్రామపంచాయితి)
పాణ్యం మండలము

Ref: IREP-Pinnapuram/SPCB/EC/200804 **Dated: 04.08.2020**

To,

1	Environmental Engineer A.P Pollution Control Board Regional Office, 1st 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.
5	The Executive Officer, Gram Panchayath Office, Pinnapuram (V), Panyam (M), Kurnool Dt.	6	The Executive Officer, Gram Panchayath Office, Brahmanapalle (V), Orvakal (M), Kurnool.
7	The Chief Executive Officer, Zilla Parishad, Kurnool.	8	The Tahsildar Office, Panyam (M), Kurnool District.

Sub: Pinnapuram Integrated RESP-Storage Project (1200 MW) in Kurnool District, Andhra Pradesh being implemented by M/s Greenko Energies Pvt. Ltd.- Display of Environmental Clearance (EC) - reg.

Ref: MoEF&CC letter No. J12011/12/2018.IA.I, Dated 14.07.2020.

Dear Sir,

We would also like to bring your kind notice that, the Ministry of Environment, Forest & Climate Change (MoEF & CC) had granted Environmental Clearance (EC) for construction of pumped storage project in Kurnool Forest Division, Kurnool District of Andhra Pradesh in favor of M/s Greenko Energies Pvt. Ltd (GEPL) vide letter dated 14.07.2020.

As per the condition stipulated at ii of IX-Miscellaneous, Environmental Clearance shall be displayed at your office for information of the Public. Hence, the copy of Environmental Clearance issued to GEPL is herewith attached for display in your office notice board for a period of 30 days for information of the general public.

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

N. Gopi Krishna

Authorised Signatory

Encl: As above

Greenko Energies Private Ltd.

V. Manohar
Panchayat Secretary
Bramhanapalli (V.),
Orvakal (M), Kurnool (Dt.)

Ref: IREP-Pinnapuram/SPCB/EC/200804 **Dated: 04.08.2020**

To,

1	Environmental Engineer A.P Pollution Control Board Regional Office, 1st Floor, Shanker Shopping Complex, Krishna Nagar Main Gate, Kurnool	2	The Joint Chief Environmental Engineer, APPCB, Zonal Office, Kurnool.
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Greenko Energies Private Ltd.

10 AUG 2020

Ref: IREP-Pinnapuram/SPCB/EC/200804 **Dated: 04.08.2020**

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N. Gopi Krishna

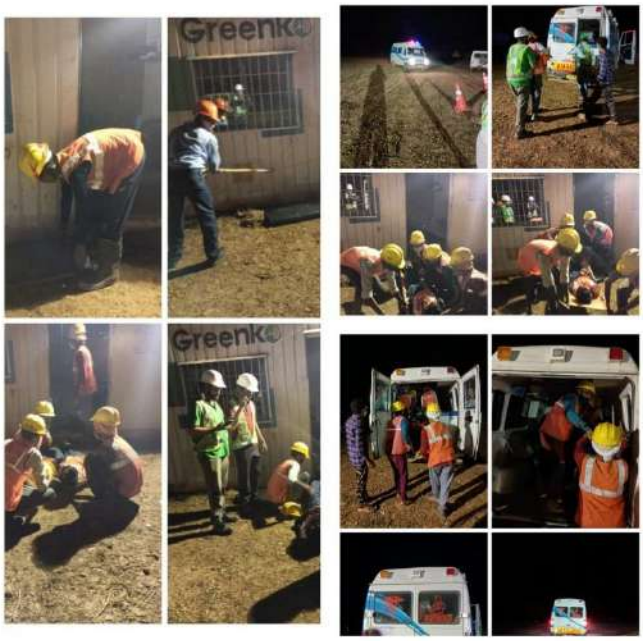
Authorised Signatory

Encl: As above

Greenko Energies Private Ltd.

TAHSILDAR OFFICE
10 AUG 2020
PANYAM

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

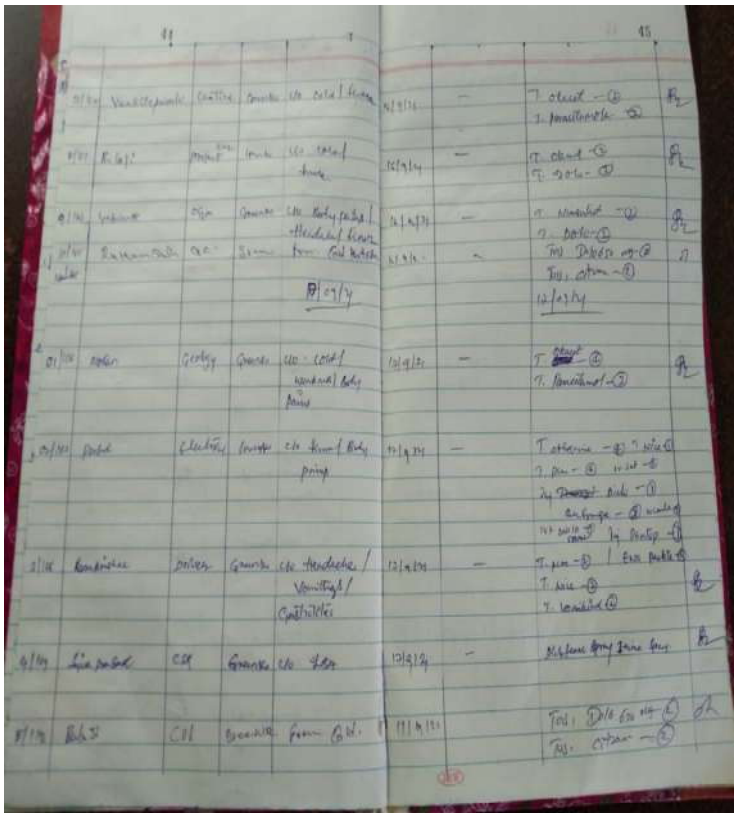
ANNEXURE: PHOTOS OF SITE ACTIVITIES AND MONITORING ACTIVITIES

NOISE MONITORING

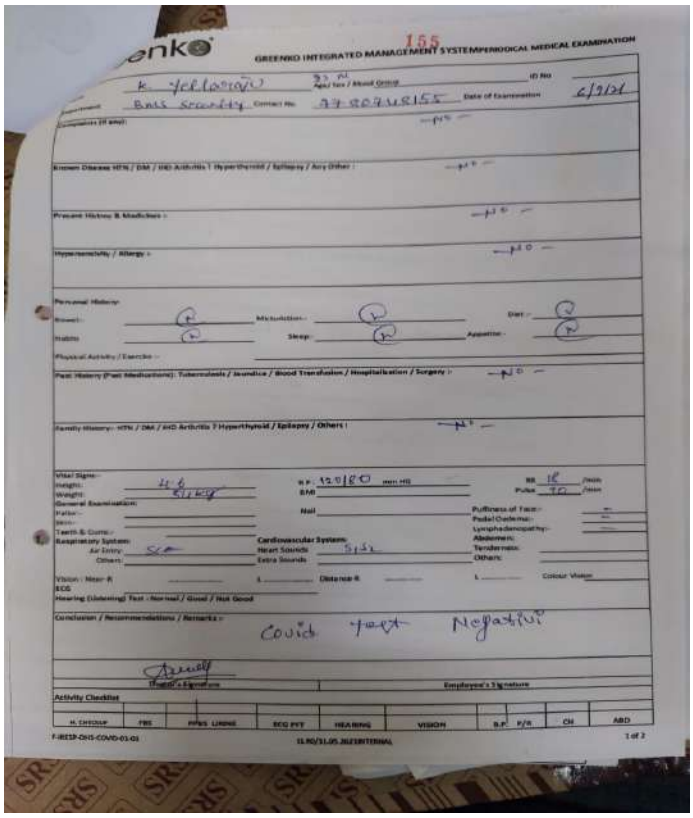
ANNEXURE: PHOTOS OF SITE ACTIVITIES AND MONITORING ACTIVITIES

WATER SAMPLING COLLECTION

ANNEXURE: PHOTOS OF SITE ACTIVITIES AND MONITORING ACTIVITIES



MEDICAL REGISTER



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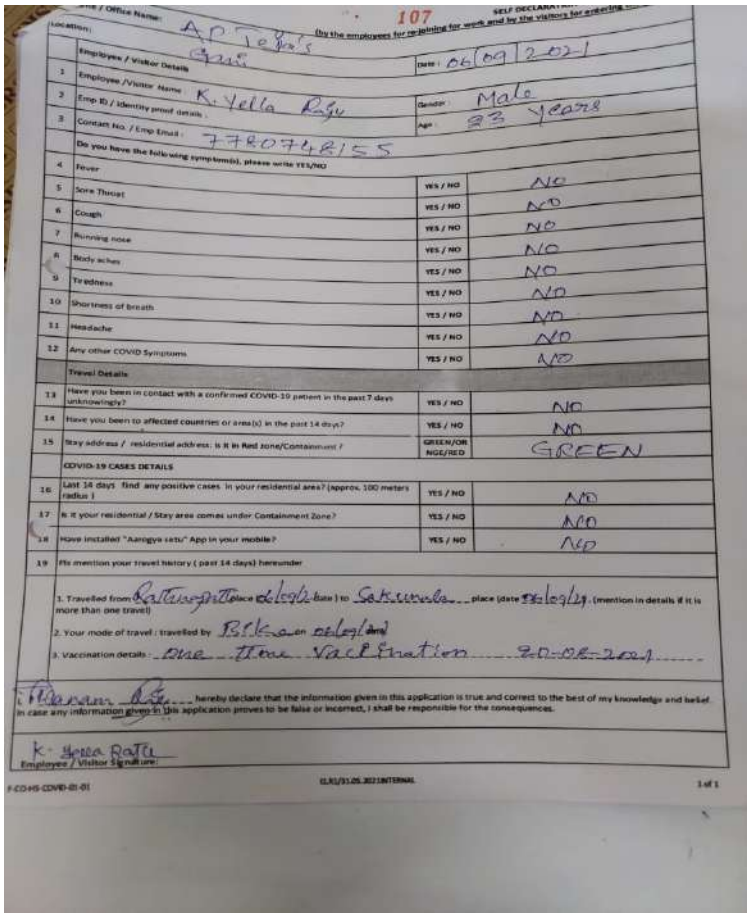
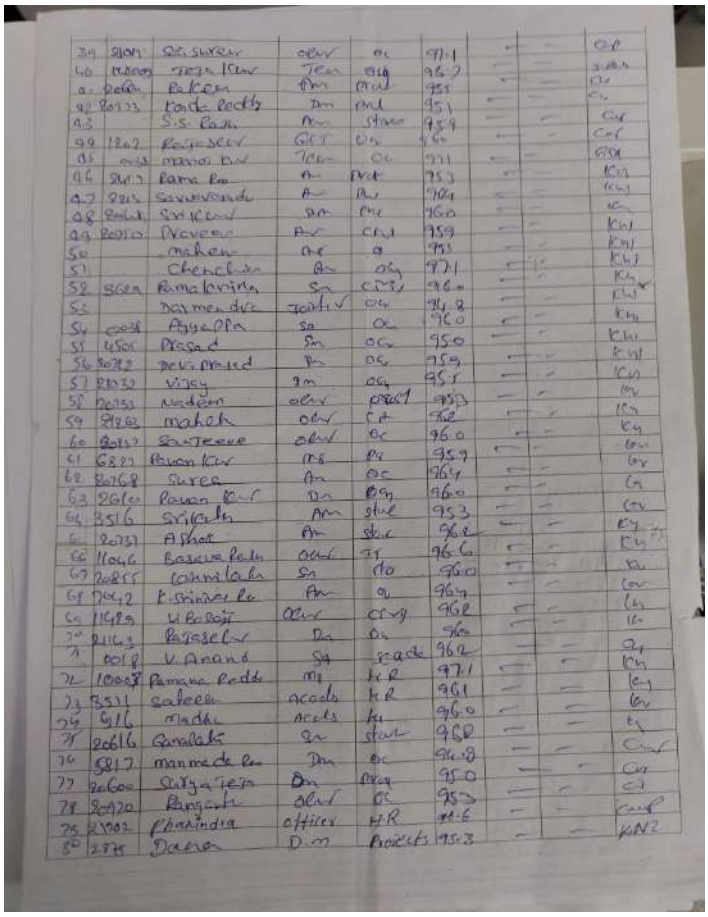


SELF DICLARATION FORM



TEMPERATURE MONITORING RECORD