

Greenko Solar Energy Private Limited

CIN: U40108TG2010PTC067974



IREP-Saundatti KA01/MoEF&CC-SMR/221223

Date: 22.12.2023

To
The Deputy Director General of Forests (C)
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, Kendriya Sadan,
4th Floor, E&F Wings, 17th Main Road,
Koramangala II Block,
Bangalore - 560034,

Sub: Saundatti IREP-Storage Project (1260 MW) in Belagavi District, Karnataka implemented by M/s Greenko Solar Energy Pvt. Ltd. - Submission of Six-Monthly Compliance Report for the period ending April,2023 to September 2023-reg

Ref: Ministry of Environment, Forests & Climate Change Letter No. J-12011/11/2018-IA-I (R) Dated: 19th September 2022 & 24th March 2023.

Dear Sir,

Environmental clearance was accorded to Saundatti IREP for a pumped storage project 1260 Mw. With reference to the above-cited letter, we are herewith submitting the half-yearly EC compliance report for the period from **April 2023 to September 2023** as per the EIA notification of 2006.

Thanking You
Yours Sincerely
For **Greenko Solar Energy Pvt. Ltd.**

Asprakash

Authorized Signatory



Encl: - Compliance report along with annexures

- CC: 1) **Director, EIA Division (River Valley & Hydro Electric Projects)** Ministry of Environment, Forest & Climate Change Govt. of India, New Delhi-110003.
- 2) **Member Secretary**, Karnataka (State Pollution Control Board), Parisara Bhavana, No#49, Church Street, Bengaluru-560001

**HALF YEARLY COMPLIANCE TO THE CONDITIONS
STIPULATED IN ENVIRONMENTAL CLEARANCE ISSUED
BY MOEF&CC
VIDE ORDER NO. J-12011/11/2018-IA-I (R)
DATED: 19TH SEPTEMBER 2022 AND ITS SUBSEQUENT
AMENDMENT 24TH MARCH,2023.**

Period: Apr 2023 to Sep 2023

By

**GREENKO SOLAR ENERGY PRIVATE
LIMITED**

**(PUMPED STORAGE COMPONENT
(1260 MW) OF SAUNDATTI INTEGRATED RENEWABLE
ENERGY PROJECT)**

***Karlakatti village, Saundatti Tehsil,
Belgaum District, Karnataka.***

1. INTRODUCTION

Saundatti Integrated Renewable Energy Project (IREP) has been envisaged to be 2660 MW project comprising of 1260 MW of Standalone Pumped Storage Project (PSP), 1000 MW Solar and 400 MW Wind energy project. All three components of Saundatti 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 Dharwad for further supply into the National Grid. Proposed Standalone Pumped Storage Project (1260 MW) is a part of Saundatti Integrated Renewable Energy Project (IREP). Environmental Clearance has been obtained for Pumped Storage component vide File no. J-12011/11/2018-IA.I.(R) dated: 19-09-2022 and its subsequent amendment with dated: 24-03-2023. Proposed project is located near Karlakatti village, Yekkundi Gram Panchayat in Saundatti Taluka, Belagavi District, Karnataka.

2. DETAILS OF THE PROJECT

The Pumped Storage Component of Saundatti IREP envisages construction of upper reservoir in karlakatti forest area (Near yakkundi Gram panchayat) where existing Renuka Sagar reservoir near Naviluteertha Dam, Vatnala village in Saundatti taluk of Belagavi district as a lower reservoir.

The existing Renuka Sagar reservoir is under operation with a live storage capacity of 34.346 TMC. Saundatti IREP reservoir is proposed for the live storage capacity of 1.01 TMC.

Proposed Scheme will involve construction of 96m high Dam for creation of Pumped Storage Component Saundatti IREP reservoir of 1.75 TMC gross capacity. Intake structure and trash rack for five numbers of independent penstocks in which one penstock will be bifurcated in to two penstock as hydraulic short circuit to connect two units will be taking off from Saundatti IREP reservoir. Surface Powerhouse will be located on the Right bank of the upper reservoir at about 1488m from the intake structure and shall be equipped with six vertical-axis reversible Francis type units

composed each of a generator/motor and a pump/turbine having generating/pumping capacity of four units of 252MW/274MW and two units of 126MW/135MW respectively.

3. STATUS OF IMPLEMENTATION OF PROJECT

The company will obtain all statutory permissions for before initiating the construction works. The Project is now in progress, getting stage-II forest clearance.

4. COMPLIANCE TO THE CONDITIONS OF ENVIRONMENTAL CLEARANCE

S. No.	EC Conditions	Status of Compliance
Part-A: Specific conditions		
1)	Environmental Management and Biodiversity Conservation	
i.	Rainwater harvesting shall be carried out. Surplus water and harvested rainwater shall be used as irrigation in area.	As stipulated, rainwater harvesting will be implemented, and surplus water will be used for irrigation in the area.
ii.	Compensatory afforestation to be done by Forest Department, the survival rate of plants shall be maintained more than 95%.	Implementation of compensatory afforestation programme will be undertaken by the forest department.
iii.	Ambient Air Quality Monitoring Stations be installed, and real time monitoring data be displayed at site and submitted to respective IRO, MoEF&CC regularly.	Though the project is in its initial stage, Real-time monitoring stations will be installed by NABL & QCI accredited third parties, and monitoring data will be displayed and submitted through a half yearly compliance report to the respective IRO, MOEF & CC.
iv.	The Environmental Management Plan (EMP) shall be strictly adhered to as submitted in the EIA/ EMP report. The budgetary provisions for implementation of EMP, shall be fully utilized and not to be diverted to any other purpose. In case of	As stipulated, we have earmarked funds for environmental protection measures, and we will not divert for any other purpose.

S. No.	EC Conditions	Status of Compliance
	revision of the project cost or due to price level change, the cost of EMP shall also be updated proportionately.	
v.	Safe and secured passage to empty the reservoir in case of leakage or any catastrophic events shall be created.	Appropriate Disaster management Plan has been incorporated in the EIA/EMP. Which shall be followed in to-to, the same will be updated in the ERDMP (Emergency Response and Disaster Management plan) report.
vi.	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis	Prior to start of construction, dedicated team will be set up to oversee the environmental safeguards and implementation of environmental management. Necessary environmental monitoring will be conducted by NABL & QCI accredited third parties.
vii.	A detailed ecological monitoring and survey covering forestry, fisheries, wildlife and its habitat shall be done once in two years. Monitoring report shall be uploaded on the Parivesh Portal and a copy of the same be submitted to the Regional Office of MoEF&CC.	Shall be implemented, and the same will be updated along with a half-yearly compliance report.
2)	Socio-economic Study	
viii.	Families those are losing their entire agricultural land or left with <1 Ha of their land, at least one member from such families will be getting job in project as per their qualifications	Shall be Implemented
ix.	Sport complex with multi- sport facility shall be established. The children's from economically weaker section shall be given free of cost sport facility	Shall be Implemented.

S. No.	EC Conditions	Status of Compliance
x.	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.	Noted, the private land required for the project is proposed to be purchased through direct negotiations between landowners and Project proponent.
3	Disaster Management	
xi.	Solid waste generated, especially plastic waste, etc. should not be disposed of as landfill material. It should be treated with scientific approach and recycled. No use of single-use plastics be ensured	As stipulated, land filling of the plastic waste will be avoided.
xii.	Disposal of the excavated muck and its filling on the low-lying area with proper measures for the stabilization and greenery to minimize the impacts of the generated construction muck shall be taken up pari-passu with construction work.	Muck shall be disposed off at the sites earmarked, and measures listed in the EIA/EMP will be followed to minimize the impacts.
xiii.	After detailed geological study of muck, re-utilization of muck during the construction of dam is to be carried out	Utilisation of muck generated during construction has been detailed in muck management plan.
xiv.	Adequate protection measures should be taken up to avoid any spillage of muck to the adjoining agricultural fields.	Muck shall be disposed in the designated areas only and measures will be taken to avoid spillage of the muck to the adjoining agricultural fields.
xv.	Muck Transportation monitoring plan shall be prepared and implemented using latest vehicle tracking technologies.	Shall be implemented.
4	Miscellaneous	
xvi.	The Multi-Disciplinary Committee to be constituted and the meeting of the committee be held at regular interval.	Shall be implemented.

S. No.	EC Conditions	Status of Compliance
xvii.	The status of compliance will be submitted to the regional Office of the Ministry along with six monthly compliance report	Noted, will be submitted.
xviii.	After 5 years of the commissioning of the project, a study shall be undertaken regarding impact of the project on the environment. The study shall be undertaken by an independent agency.	As stipulated, post ESIA will be conducted through third party.
xix.	Necessary permission to be obtained for quarrying construction materials, if any required, for the project as per the EIA Notification, 2006 and as amended thereof	Noted and shall be complied.
xx.	Apart from strengthening the basic amenities in the project affected villages like maintaining drinking water supply, providing health care facilities, etc. CER activities should give preference to education facilities along with amenities in Schools.	Shall be implemented.
xxi.	Provision of permanent job opportunities to project affected families and other villagers as permanent source of livelihood should be explored.	Noted.
xxii.	Skill development to be provided to the habitants of affected panchayats in the trades which can give them opportunity for employment in the project.	Shall be implemented.
xxiii.	The compliance of the issues raised during public hearing be ensured in time bound manner and implementation schedule be reported in the six monthly compliance report to IRO, MoEF&CC.	Shall be implemented.
xxiv.	Financial provisions made for conservation of biodiversity has to be carefully monitored. The money goes to	Shall be implemented.

S. No.	EC Conditions	Status of Compliance
	forest department, there should be a way to check that the work on biodiversity conservation has been done to expectations.	
Part-B: Annexure-I (Standard EC Conditions for River Valley and Hydroelectric projects)		
i.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	We have obtained In-Principal Stage – I approval for diversion of 160.4 ha with MOEF&CC letter vide File No: 8-29/2021-FC Dated: 12 July 2022 (A Copy of the same is enclosed as Annexure-1).
ii	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable	Not Applicable as there are no wildlife sanctuaries within 10 Km radius.
iii.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The Implementation report shall be furnished along with the six-monthly compliance report, (in case of the presence of Schedule-I Species in the study area).	A Site-Specific Conservation plan & Wildlife Management Plan has been submitted to the State Government for approval. (Copy of the same is enclosed as Annexure-2 .)
iv.	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.	Shall be complied.
v.	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDP) of CWC.	Site specific design report prepared NGRI, Hyd submitted to FE&SA to accord approval from NCSDP.

S. No.	EC Conditions	Status of Compliance
		Copy of the same is enclosed as Annexure-3.
vi.	Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs.1,000 crores.	The Pre DPR chapters has been submitted to Central Electricity Authority (CEA), Govt of India for clearance and DPR is at advanced stage of approval wherein statutory approvals reg Planning, Hydrology, Geological, Capacity/Power Potential of the project has been approved by concerned dept of CEA/CWC/GSI/CSMRS.
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.	As the project is Standalone PSP and as mentioned in EIA to conduct Seasonal Monitoring of Air quality, Water quality and noise levels shall be carried out as per stipulation and copies of the same will be submitted from time to time.
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.	Shall be complied.
iii.	Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.	Shall be 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	Not Applicable, as the project is an Off-Stream Pumped Storage Project and not a run-off river project.

S. No.	EC Conditions	Status of Compliance
	spawning period both at the upstream and downstream of the 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.	Not Applicable, as 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.	Shall be complied.
ii	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during daytime and 70dB(A) during nighttime.	Shall be 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.	Muck shall be disposed off at the designated sites, and we will make efforts to reuse the muck for embankment construction and other filling purposes as per the requirement.

S. No.	EC Conditions	Status of Compliance
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.	Noted.
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.	A Site-Specific Conservation plan & Wildlife Management Plan has been submitted to State Government for approval. Copy of the same is enclosed as Annexure-2 .
ii	To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EMP report. Plantation to be developed along the periphery of the reservoir in multi-layers with local indigenous species in consultation with the local State Forest Department.	Shall be implemented.
iii	Compensatory afforestation programme shall be implemented as per the plan approved.	State Forest department shall implement the CA Programme.
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.	Not Applicable.
ii	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.	Shall be Complied.
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	Shall be Complied.

S. No.	EC Conditions	Status of Compliance
	stagnated pools to avoid creation of breeding grounds of the vector borne diseases.	
iv	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Shall be 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.	Shall be 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	Shall be complied.
VIII. Corporate Environment Responsibility		
i	The Project Proponent shall comply with the provisions contained in this Ministry's OM Vide F.No. 22-06/2017-1 A. III dated 01.05.2018, as applicable regarding Corporate Environmental Responsibility.	Noted.
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	Shall be complied.

S. No.	EC Conditions	Status of Compliance
iii	The Company shall have a well laid down environmental policy duly approved 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.	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.	Shall be complied.
v	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.	As stipulated, we have earmarked funds for environmental protection measures. Since Project is in very early stage in getting statutory approvals; we will update after the start of construction.

S. No.	EC Conditions	Status of Compliance
vi	Post EIA and SIA be prepared for the project through a third party and evaluation report be submitted to the Ministry after five years of commissioning of the project.	As stipulated, we will prepare Post EIA and SIA through Third party after five years of commissioning of the project.
vii	Multi-Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report of the Committee shall be uploaded on the website of the Company.	Shall be complied.
	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 shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied, abstract of Environmental Clearance was published in two widely circulated daily newspapers one in vernacular language i.e. Kannada in Kannada Prabha, one in English language i.e The New Indian Express dt. 21.07.2023 in main edition. The copy of the same is enclosed as Annexure-4 .
ii	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied, copies of the Environmental clearance letters were submitted to the local bodies and displayed for 30 days. Copy of the same is enclosed as Annexure-5 .
iii	The project proponent shall upload the status of compliance of the stipulated	As stipulated, we will submit and update the status of compliance of

S. No.	EC Conditions	Status of Compliance
	environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	the stipulated environment clearance conditions from time to time
iv	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.	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.	We will submit Form – V as stipulated to SPCB during the operation of the project
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.	We hereby assure that we will adhere to the stipulations made by the State Pollution Control Board and the State Government
viii	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted, shall be complied. Status of LADP is Enclosed as Annexure-6

S. No.	EC Conditions	Status of Compliance
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).	Shall be Complied.
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.	Shall be complied.
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.	Shall be complied.
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.	We hereby assure that we will extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports for monitoring the compliance of the stipulated conditions
xiv	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the	Noted.

S. No.	EC Conditions	Status of Compliance
	Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	
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.

ANNEXURES

Annexure no.	Annexure
1	Forest clearance Stage-I
2	Acknowledgement of UA covering letter for Conservation plan approval
3	CEA Approval
4	Copy of the paper advertisement
5	Letter submitted to Local bodies for keeping EC copy
6	Status of LADP activities

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

Indira Paryavaran Bhawan
Jor bagh Road, Aliganj
New Delhi - 1100 03
Dated: 12th July, 2022

To,
The Additional Chief Secretary (Forests),
Ecology and Environment Department,
Government of Karnataka,
Bengaluru.

Sub: Proposal for diversion of 160.4 ha. of forest land in Sy. No.138 and 146 of Karlakatti Village, Sy. No.128,129 and 130 of Chakrageri Village and Sy. No.3 and 4 of Kagihal Village, Savadatti (Saundatti) Taluk, Belagavi District (Ghataprabha Division Gokak) for construction of Standalone Pumped Storage Component of Saundatti Integrated Renewable Energy Project (IREP) in favour of the M/s. Greenko Solar Energy Private Limited, Bengaluru, Karnataka State (Online Proposal No. FP/KA/HYD/37723/2018). -regarding.

Sir/Madam,

I am directed to refer to the Government of Karnataka's letter No. FEE 57 FLL 2021 (e) dated 17th November, 2021 on the above mentioned subject, seeking prior approval of Central Government under Section-2 (ii) of the Forest (Conservation) Act, 1980, and to say that the said proposal has been examined by the Forest Advisory Committee constituted by the Central Government under Section-3 of the aforesaid Act.

2. After careful consideration of the proposal of the Government of Karnataka and on the basis of the recommendations of the Forest Advisory Committee, the Central Government hereby agrees to accord *stage-I/In-principle* approval under the Forest (Conservation) Act, 1980 for diversion of 160.4 ha. of forest land in Sy. No.138 and 146 of Karlakatti Village, Sy. No.128,129 and 130 of Chakrageri Village and Sy. No.3 and 4 of Kagihal Village, Savadatti (Saundatti) Taluk, Belagavi District (Ghataprabha Division Gokak) for construction of Standalone Pumped Storage Component of Saundatti Integrated Renewable Energy Project (IREP) in favour of the M/s. Greenko Solar Energy Private Limited, Bengaluru, Karnataka State, subject to the following conditions:-

A: Conditions which need to be complied prior to handing over of forest land by the State Forest Department and compliance is to be submitted prior to Stage-II approval:

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12/07/22

- i. The User Agency shall transfer online, the Net Present Value (NPV) of the forest land being diverted (i.e. 160.4 ha of forest land) under this proposal, as per this Ministry's issued vide letters dated 06.01.2022 and 22.03.2022. The requisite funds shall be transferred through online portal into National Authority CAMPA account of the State Concerned;
- ii. *The State Government is requested to submit the Study report about the impact on Aquatic faunal species of the reservoir due to the project before the grant of Stage-II approval;*
- iii. *A joint survey of all the proposed 5 survey numbers for CA plantation be carried out with the help of Revenue & Forest Department in presence of the legal stakeholders to finalize the net area of the plantation free from all encumbrances. Illegal encroachments, if any, identified after the joint demarcation should be evicted as per the laws in force;*
- iv. *The proposed CA land (both NFL and DFL), as identified by the State Forest Department should be notified as either PF or RF by the State Government prior to Stage-II approval;*
- v. 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;
- vi. The land identified for the purpose of CA shall be clearly depicted on a Survey of India topo sheet of 1:50,000 scale;
- vii. 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 through online e-portal into the CAMPA account 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;
- viii. All the funds received from the user agency under the project shall be transferred/deposited in CAMPA account only through e-portal (<https://parivesh.nic.in/>).
- ix. The copy of approved CATplan , if applicable shall be submitted in accordance to this Ministry's guidelines issued and commensurate funds shall be deposited in the account of National Authority, CAMPA through on-line portal;
- x. The compliance report shall be uploaded on e-portal (<https://parivesh.nic.in/>).
- xi. State Government shall complete the settlement of rights, in term of the Scheduled Tribes and Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, if any, on the forest land to be diverted and submit the documentary evidence, as prescribed by this Ministry's letter No. 11-9/1998-FC (Pt.) dated 03.08.2009 read with 05.07.2013, in support thereof;
- xii. The correct and complete KML files of diverted area and the CA areas shall be uploaded on the E-green watch portal with all requisite details;

Rahul
12/07/22

B: Conditions which need to be complied on field after handing over of forest land to the user agency by the State Forest Department but the compliance in form of undertaking shall be submitted and compliance is to be submitted prior to Stage-II approval:

- i. Legal status of the diverted forest land shall remain unchanged;
- ii. The Forest land will be handed over only after required non-forest land for the project is handed over by the user agency;
- iii. *Existing natural regeneration of local species should be encouraged by way of singling and promoting the growth of promising shoots;*
- iv. *Planting of tall plants, watering and fencing to the plantation shall be carried out to protect the plantation in future from various biotic pressure including possible illegal encroachments. The maintenance of the plantation should be done accordingly as per the model approved by the State Government;*
- v. The Compensatory Afforestation shall be taken up by the Forest Department over NFL/DFL at the cost of the user agency. As far as possible, a mixture of local indigenous species shall be planted and monoculture of any species may be avoided. With provision for ten years on subsequent maintenance;
- vi. 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;
- vii. The cost of felling of trees shall be deposited by the User Agency with the State Forest Dept;
- viii. The user agency shall carry out muck disposal at pre-designated sites in such a manner so as to avoid rolling down;
- ix. The dumping area for a 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 the 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;
- x. The State Government and the user agency shall ensure that the trees available between full reservoir level (FRL) and FRL-4 meters are not felled;
- xi. The user agency shall undertake afforestation along with periphery of the reservoir;
- xii. The user agency shall provide free water for forestry related projects;
- xiii. User agency shall restrict the felling of trees to minimum number in the diverted forest land and the trees shall be felled under the strict supervision of the State Forest Department and the cost of felling of trees shall be deposited by the User Agency with the State Forest Department;
- xiv. The User Agency shall obtain the Environment Clearance as per the

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- provisions of the Environmental (Protection) Act, 1986, if required;
- xv.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;
- xvi.The boundary of the diverted forest land shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates;
- xvii.No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work;
- xviii.The forest area shall be used for the purpose of which it is granted. The total forest land utilized for the project shall not exceed i.e. 160.4 ha;
- xix.The forest land shall not be used for any purpose other than that specified in the project proposal;
- xx.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;
- xxi.No damage to the flora and fauna of the adjoining area shall be cause;
- xxii.The layout plan of the mining plan/ proposal shall not be changed without the prior approval of the Central Government;
- xxiii.The Forest Clearance will be for a period co-terminus with the lease period specified in the lease agreement. The State govt. will submit the lease agreement documents specified in the lease agreement;
- xxiv.The User Agency shall implement the R&R plan as per the R&R policy of State Govt. in Consonance with national R&R policy, Govt. of India before the commencement of the project work. The said R&R plan will be monitored by the State Govt./IRO of MoEF&CC along with indicators for monitoring and expected observable milestones, if applicable;
- xxv.The concerned Divisional Forest Officer, will monitor and take necessary mitigative measures to ensure that there is no adverse impact on the forests in the surrounding area;
- xxvi.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;
- xxvii.Any other condition that the Ministry of Environment, Forest and Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife shall be carried with by the State Government and user agency;
- xxviii.The User Agency shall submit the annual self -compliance report in respect of the above stated conditions to the State Government, concerned Integrated

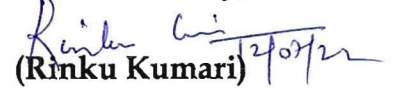
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12/07/22

Regional Office and to this Ministry by the end of March every year regularly;
xxix. 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; and

xxx. Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No. 5-2/2017-FC dated 28.03.2019;

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 affected till final approval is granted by the Central Government in this regard.

Yours faithfully,


(Rinku Kumari)

Assistant Inspector General of Forests

Copy to: -

1. The Principal Chief Conservator of Forests (HoFF), Government of Karnataka, Bengaluru.
2. The Regional Officer, Integrated Regional Office, MoEF&CC, Bengaluru.
3. The Nodal Office (FCA), Forest Department, Government of Karnataka, Bengaluru.
4. User Agency.
5. Monitoring Cell, FC Division, MoEF & CC, New Delhi, for uploading.

Greenko Solar Energy Private Limited

(CIN: U40108TG2010PTC067974)

Site Office: 4043, 6th Cross Road, Basavanagar, Baihongal, Belagavi Dist, Karnataka-591102

ADMIN OFFICE: Suite no.701-702, Prestige Meridian-II, No.30, M.G.Road, Bangalore, Ph.: +91 (08)25584567



Ref. No: GEPL/2019-20/dLW/191009

09-10-2019

To

Principal Chief Conservator of Forests (Wild life)
Aranya Bhawan,
Sankey Tank, Chowdaiah Rd,
National Highway 4, Kodandarampura,
Malleshwaram, Bengaluru, Karnataka 560012

Sub: 1260 MW Saundatti HEP (Integrated Renewable Energy with Pumped Storage Project) near Village Karlakatti, Tehsil Saundatti in Belagavi District of Karnataka by M/s Greenko Solar Energy Private Limited-Submission of Wildlife Conservation Plan for Peafowl-Approval-reg

Sir,

M/s Greenko Solar Energy Private Limited (GSEPL) is in process of developing 1260 MW Stand alone Pumped Storage Project near Village Karlakatti, Tehsil Saundatti in Belagavi District of Karnataka. Ministry of Environment, Forest and Climate Change (MoEF & CC) while recommending the Project for Environmental Clearance has *inter-alia* directed to submit approved conservation plan for Schedule I species i.e. Peafowl reported in the study area as part of Environmental Impact Assessment (EIA) Studies as approved by MoEF & CC.

In pursuant to the said directions, the Wildlife Conservation Plan for Peafowl is herewith submitted for your kind approval(**Annexure-I**).The plan has been prepared for Peafowl conservation with a budget of Rs. 40.00 lakhs to be allocated specifically for this work, out of total budget of Rs. 280 lakhs allocated for Biodiversity Conservation and Wildlife Management Plan in EIA report as approved by MoEF & CC.

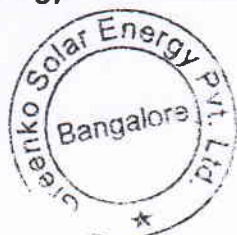
You are requested to kindly approve the said Wildlife Conservation Plan for Peafowl at the earliest.

Thanking you
Your sincerely

M/s Greenko Solar Energy Private Limited


Authorised Signatory

Encl: As above



CONSERVATION PLAN FOR PEAFOWL



Prepared For:

**STANDALONE PUMPED STORAGE COMPONENT (1260
MW) OF SAUNDATTI INTEGRATED RENEWABLE
ENERGY PROJECT**

Greenko

GREENKO SOLAR ENERGY PRIVATE LIMITED, HYDERABAD

Prepared by:



R. S. Envirolink Technologies Pvt. Ltd.

402, Bestech Chambers Commercial Plaza, B-

Block, Sushant Lok-I, Gurgaon

Phone: +91-124-4295383: www.rstechnologies.co.in

1. INTRODUCTION

Proposed Standalone Pumped storage component of Saundatti Integrated Renewable Energy Project (IREP) is located in Belagavi District of Karnataka. It envisages creation of reservoir near village Karlakatti under Yakkundi Gram Panchayat, Saundatti Taluk about 80 Kms from Belagavi. The Saundatti IREP is proposed in between two reservoirs i.e. Saundatti IREP Reservoir as Upper reservoir (to be constructed newly) and the existing Renuka Sagar (Malaprabha) Reservoir as Lower reservoir.

This scheme envisages non-consumptive re-utilization of 1 TMC of water of the Renuka Sagar reservoir by recirculation. The water in the Renuka Sagar reservoir (existing lower reservoir) will be pumped up and stored in the proposed Saundatti IREP reservoir (Upper Reservoir) and will be utilized for power generation. The Geographical co - ordinates of the proposed Saundatti IREP reservoir are at longitude 75° 00' 19.50" East and latitude is 15° 51' 21.84" North and that of Renuka Sagar reservoir (existing) are 15° 49' 17.15" N and 75° 05' 48.23" E. Proposed Rating of the Saundatti IREP Pump storage project is 1260 MW.

2. OBJECTIVE

Environment Impact Assessment (EIA) study of Standalone Pumped Storage Component (1260 MW) of Saundatti Integrated Renewable Energy Project has been carried out with a view to assess the impacts of project on the surrounding area so as to suggest mitigation and management measures to minimize such impacts. EIA study for such projects is mandatory as per EIA Notification of September 2006, which describes the environment clearance procedure.

While carrying out the baseline data collection as part of EIA study of Standalone Pumped Storage Component (1260 MW) of Saundatti Integrated Renewable Energy Project, peafowl have been sighted reported near the human dominated and associated surrounding habitats like agricultural fields, fellow and scrub land in the study area. According to the villagers, during day time they temporally move towards the surrounding areas like agricultural fields or water bodies for feeding while during night time roosts on the trees present in vicinity of the human settlement and also road side trees.

Since Peafowl is a Schedule-I species therefore to mitigate the impacts of various activities to be undertaken, a separate Conservation Plan has been prepared.

3. INDIA PEAFOWL

An Indian Peafowl or Peacock (*Pavo cristatus*) is a large pheasant and has been an integral part of Indians and their culture, religion and mythology for centuries. The Indian Peafowl is well recognized for its ecological and aesthetical value, and therefore, justifiably declared as the National Bird of India in the year 1963. It's a spectacularly beautiful magical looking creature and resident in India. It is widely distributed in the Indian Subcontinent (Ali & Ripley 1987). Peafowl do not migrate or travel widely. They are most common in deciduous open forest habitats.

Classification of the Species

Kingdom	<i>Animalia</i>
Phylum	<i>Chordata</i>
Class	<i>Aves</i>
Order	Galliformes
Family	Phasianidae
Genus	Pavo
Species	<i>Pavo cristatus</i>
Vernacular name	Indian Peafowl

1.3.1 Appearance

Male peacock has a spectacular glossy green long tail feathers that may be more than 60% of the total body length. These feathers have blue, golden green and copper colored eyes. The long tail feathers are used for mating rituals like courtship displays. The feathers are arched into a magnificent fan shaped from across the back of the bird and almost touching the ground on both sides. Female do not have these graceful tail feathers. They have a fan like crest with white face and throat, chestnut brown crown and hind neck, metallic green upper breast and mantle, white belly and brown back rump and tail. Their primaries are dark brown.

1.3.2 Food and Feeding Habitats

Peafowls are omnivorous; they consume insects, worms, lizards, frogs and other arthropods, reptiles and amphibians. They also feed on plant parts, flower petals, seed heads, grains, grasses and bamboo shoots. In the study area tree canopy, scrub forest, agricultural farms and grasslands supports good insect diversity which is very common food for peafowls.

1.3.3 Breeding

The female called Peahen breeds in the month of May to September. It lays 8 to 12 eggs in the bushes of *Ziziphus spp.* & other thorny species surroundings. Female hatch the eggs and hatching period is 25 to 27 days.

1.3.4 Conservation Status

In India, it is given the utmost protection by inclusion in Schedule 1 of The Wildlife (Protection) Act, 1972 (2016). Being a wide spread species, apart from the various urban habitats, it is also found in agriculture field, along stream with good vegetation and close to human habitation in semi – feral conditions. However, as per IUCN Red List, Indian Peafowl is listed under Least Concern category.

4. SIGHTING IN STUDY AREA

The data on environmental parameters was collected from the study area marked for EIA study. The Study Area for assessment of environmental baseline status was delineated as the area within 10 km radius of the main project components.

While carrying out field surveys for the collection of baseline data on various environmental parameters peafowl have been sighted near the human dominated and associated surrounding habitats like agricultural fields, fellow and scrub land. However, presence of peafowl could not be established near the core zone of the project i.e. areas where major construction activities are proposed.



Peafowl sighted during field survey

5. THREATS

Threats to the peacock are:

- Habitat loss, specially the shortage of tall trees in and around the villages for roosting and for providing shade during hot summer months.
- Shortage of drinking water for the birds during the hot summer days.
- Conflict with farmers during cropping season.
- Casualties caused by eating chemically treated agricultural crop seeds.

- Illegal hunting to meet the demand for feathers and wild meat.
- Predators: Foxes, Dogs, Snakes, Monitor Lizards, Jungle Cat and Jackals
- No direct impact on the Peafowl will be done due to the proposed project as their presence has not been established near the proposed construction site i.e. dam site.

6. CONSERVATION MEASURES

1. Peafowl prefers tall trees with dense foliage or thorny trees for roosting and prefer open scrub vegetation for foraging. Therefore, increasing the tree cover in the area for shelter and roosting of pea fowls is necessary. This will be achieved by planting of tree groves. Species like *Azadirachta indica* (Neem), *Madhuca longifolia* (Mahuwa), *Mangifera indica* (Aam), *Albizia sp.* (Siris), *Cassia fistula* (Amaltash), *Dalbergia sissoo* (Shesham), *Butea monosperma* (Dhak), *Acacia catechu* (Khair), *Acacia nilotica* (Babool), *Prosopis juliflora* (Kikar), trees etc. will be planted.
2. Water hole will be constructed at the area where "Peacocks" generally (nearby habitat). Location of water holes will be suggested by the forest department. Water will be supplied during summer seasons through tankers in the village to fill the ponds or water holes.
3. Plantations to be carried out near the water bodies/ water hole for habitation and water availability.
4. Development of Green belt all around the periphery of project site to control fugitive emission from the construction activity and vehicular movement. A separate green belt development plan has already been prepared and budgeted under Environmental Management Plan (EMP) of the Environmental report.
5. Small Grove of Trees to be planted in the school compounds in the villages. The groves will be protected by fencing and will be provided with one water hole as well as food for the bird.
6. Community participation by the means of organizing Seminars, Focus Group Discussion (FGD), plays, poster presentation at various levels such as school and gram panchayat. Community participation will protect the bird from

killings, predators, poaching for meat, eggs and feather etc.

7. Training to the staff & laborers in the project construction activities and make them aware of Indian Peafowl's status as National Bird of India and Schedule-I species protected under The Wildlife (Protection) Act, 1972 and related knowledge.
8. Wildlife Signage containing information about environment, wildlife, forest conservation about wildlife animals along with photographs to be displayed in and around project area.
9. Close collation from forest department for construction of infrastructure, veterinary care and cages for injured or sick deformed birds and for conservation of wildlife.
10. By conducting/ observing/ celebrating World Environment Day and Wildlife Week every year to create awareness among the locals for the conservation of Peafowl.
11. Encourage local farmers to use bio-pesticides, bio-fertilizer and vermi-composting in agriculture practices.

Further suggestion/ recommendation: -

- Restricted uses of pollutants in their habitat.
- Stopping the increased vehicle pollution, wildlife road fatalities and damaged to habitat by people to start movement towards these areas.
- To carry out census to population status of the species and know the potential threats.

7. BUDGET FOR CONSERVATION PLAN

The total budget allocated for implementation of conservation plan is **Rs. 40 lakh** out of total budget of Rs. 280 lakhs allocated for Biodiversity Conservation and Wildlife Management Plan in EIA report approved by MoEF & CC.

The said budget is divided into different activities as given in **Table 1**. The year wise expenditure of the budget is given in **Table 2**.

Table 1: Budget for Conservation Plan for Peafowl

S. No.	Conservation Activities	Expenditure (Rs. in Lakh)
1	Construction of 30 small grove of trees in different habitation area with planting of 50 sapling of tree species in each grove @ Rs. 200 per plant in consultation with forest department (6 groves per year for 5 years)	2.00
2	Maintenance of plants (watering facility, weeding etc.) @ Rs. 100 per plant per year for 5 years	4.50
3	Casualty replacement (20% of total plant species) @ Rs. 200 per plant per year	1.80
4	Construction and Deepening of 5 water holes/ natural ponds (50 x 50 m) per year in the vicinity of villages @ 0.50 lakh per water hole/ natural pond per year for 5 years	12.50
5	Awareness programme (Minimum 2 camps per year for Organization of the awareness camps, organizing play, posters, quiz competition, brochures etc.) for conservation of peafowl (Rs. 15,000 per camp per year for 10 year)	3.00
6	Close collation from forest department for construction of infrastructure, veterinary fund, ambulance with cages, rescue center, tube wells etc. for conservation of wildlife	15.20
	TOTAL	40.00

Table 2: Year Wise Expenditure of Conservation Plan for Peafowl

Year	Construction of 20 small tree groves in different habitation area with plantation	Maintenance of Plants	Casualty Replacement of Sapling	Construction and Deepening of Water holes/ Natural ponds	Awareness Programme	Close collation from forest department for construction of infrastructure, veterinary fund, ambulance with cages, rescue center, tube wells etc. for conservation of wildlife	Total (Rs. in Lakh)
I	0.60			2.50	0.30	1.52	4.92
II	0.60	0.30	0.12	2.50	0.30	1.52	5.34
III	0.60	0.60	0.24	2.50	0.30	1.52	5.76
IV	0.60	0.90	0.36	2.50	0.30	1.52	6.18
V	0.60	1.20	0.48	2.50	0.30	1.52	6.60
VI		1.50	0.60		0.30	1.52	3.92
VII					0.30	1.52	1.82
VIII					0.30	1.52	1.82
IX					0.30	1.52	1.82
X					0.30	1.52	1.82
TOTAL	3.00	4.50	1.80	12.50	3.00	15.20	40.00

भारत सरकार
केंद्रीय जल आयोग
नींव अभियांत्रिकी एवं विशेष विश्लेषण निदेशालय
आठवीं मंजिल (उ), सेवा भवन, रा. कृ. पुरम, नई दिल्ली-110066
दूरभाष/फैक्स: 26101017 ई मेल: fesadte-cwc@nic.in

Sub: Standalone Pumped Storage Component of Saundatti Integrated Renewable Energy project, District: Belagavi, Karnatka, Technical examination DPR Chapter reg.

- Ref:** (i) Project authorities letter no.GSEPL/SAUNDATTI/2019-20/20192911 dated: 29/11/2019
(ii) This Directorate's letter no. 11/36/TE/2019/FE&SA/53-54 dated 28.01.2020.
(iii) Project authorities letter no.GSEPL/SAUNDATTI/2021-22/20212708 dated: 12/01/2022
(iv) This Directorate's letter no. No. 11/40/TE/2019/FE&SA/146-147 dated 19/04/2022
(v) Project Authorities email dated 03/06/2022
(vi) This office letter no. T-74074 /16/2022-FE&SA/118dated: 29/03/2022
(vii) Project Authorities email dated 09/06/2022

Kind reference is invited to the letter cited above at ref (i)vide which the preliminary report of DPR of Standalone Pumped Storage Component of Saundatti Integrated Renewable Energy project, District: Belagavi, Karnatka was submitted by the Project Authorities for appraisal .The Chapter was appraised and observations were issued vide letter under ref at (ii) above. Further, the Project authorities submitted the Survey and Investigations Chapter of DPR vide letter under ref at (iii).The Chapter had been appraised and observations were issued vide letter under ref at (iv), the compliance of which was submitted by the Project authorities vide letter under ref at (v). The compliances from Project authorities have been appraised & it is observed that:

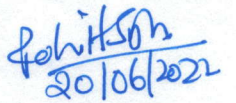
1. The proposed project area lies in the Seismic Zone-III as per seismic Zonation Map of India [IS: 1893 (Part-I)-2002. The report on site specific seismic studies for determination of design earthquake parameters was examined and observations were issued vide letter under ref at (vi),the compliance of which was submitted by the Project authorities vide letter under ref at (vii). The report will be put up to National Committee on Seismic Design Parameters (NCSDP) for its approval.

The seismic design parameters approved by the National Committee on Seismic Design Parameters (NCSDP) shall be used for design purposes.

2. Adequate precautionary measures/treatment as per site requirement shall be planned and need to be implemented at the time of excavation/construction at all structurally weak zones that have been identified in the investigations. Appropriate excavation and support methodology/system in view of rock conditions shall also be planned and implemented during excavation/construction stage.

In view of above, no objection of this office is conveyed for further necessary action.

This issues with the approval of Director FE&SA, CWC.


20/06/2022

(Rohit Singh)
Assistant Director

Director (HP&I), Central Electricity Authority, 7th Floor, SewaBhawan (North), R.K. Puram, New Delhi-66
CWC I.D. No. 11/ 40 /TE/2019/FE&SA/ 219-220 dated: 20/06/2022

Copy to:

1. Greenko Energies Private Limited, Plot No. L071, Road No. 44, Jubilee Hills, Hyderabad

Ref: Saundatti-IREP/SPCB/EC/230412

Dated: 12.04.2023

To,

- | | | | |
|---|--|---|---|
| 1 | Environmental Engineer
Karnataka Pollution Control Board
Regional Office, Lakshimpuri Layout,
Auto Nagar, Belagavi, Karnataka | 2 | The Deputy Commissioner, Sangolli
Rayanna Road, Belagavi. |
| 3 | The District Revenue Officer &
Additional District Magistrate, Belagavi
District. | 4 | The General Manager, District
Industries Center, Belagavi, Belagavi
District. |
| 5 | The Chief Executive Officer, Zilla
Panchayath Office, Belagavi Dt. | 6 | The Executive Officer, Gram
Panchayath Office, Yakkundi
Panchayat, Belagavi. |

Sub: Saundatti Integrated Renewable Energy Project (1260 MW) in Belagavi District, Karnataka being implemented by M/s Greenko Solar Energy Pvt. Ltd.- Display of Environmental Clearance (EC) - reg.

Ref: MoEF&CC letter No. J12011/11/2018.IA. I, Dated 24.03.2023.

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 Ghataprabha Forest Division, Belagavi District of Karnataka in favor of M/s Greenko Solar Energy Pvt. Ltd (GSEPL) vide letter dated 24.03.2023.

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 GSEPL 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 Greenko Solar Energy Private Limited

N. Gore Kumar



Authorised Signatory
Encl: As above

ಸ್ವೀಕೃತಿ ಸಹಾಯಕ
ಜಿಲ್ಲಾ ಪಂಚಾಯತ ಕಾರ್ಯಾಲಯ,
ಬೆಳಗಾವಿ

14/4/23
ಸ್ವೀಕೃತಿ ಸಹಾಯಕ
ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ಕಾರ್ಯಾಲಯ, ಬೆಳಗಾವಿ
(INWARD)

ಸ್ವೀಕೃತಿ ಸಹಾಯಕ
ಕೆ. ರಾ. ಮಾ. ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ಕಛೇರಿ-1
(INWARD)

ಸಹಾಯಕ ಜಿಲ್ಲಾಧಿಕಾರಿಗಳು
ವಾ. ಪಂ. ಸವನೂರು

ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ಕಛೇರಿ
ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ಕಛೇರಿ, ಕಾರ್ಯಾಲಯ,
ಬೆಳಗಾವಿ-590008

**STATUS REPORT ON
CORPORATE SOCIAL AND ENVIRONMENT
RESPONSIBILITY (CSER)
ACTIVITY AT SAUNDATTI IRESP LOCATED AT
BELGAUM DISTRICT, KARNATAKA**

Contents

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1. INTRODUCTION

Greenko Group as part of its overall business operations is addressing many important aspects of local sustainable development like Social, Economic and Environment development and specifically issues associated with Climate Change, Local and Regional Environmental Degradation, Powering the Economy, Generating Wealth and Employment, Technology Innovation and Inclusive Development. It is addressing these issues through its Corporate Social & Environment Responsibility (CSR) initiatives. In line with the above policy this status report presents the details of the CSER activity implemented at Saundatti IREP located at Belgaum, Karnataka.

2. CSER 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 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 AREA FOR CSER ACTIVITY

The proposed Project is located near Karlakatti Village under Yakkundi Gram Panchayat, Saundatti Taluk, Belagavi District of Karnataka State. Among the Project villages Karlakatti, Dhupdal, Yakkundi Villages under Yakkundi Gram Panchayat are in close vicinity of the Project and affected due to the Project activities.

4. CSER ACTIVITY PLANNED

Based on the need assessment and local consultations in project 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 CSER Plan.

Table 2: Focus Area and Nature of CSER Activity Planned

Focus Area	Nature of Activity
Education	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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
Infrastructure Development	<ul style="list-style-type: none">• 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
Agriculture and Animal Husbandry	<ul style="list-style-type: none">• 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

Focus Area	Nature of Activity
Skill Development and Training	<ul style="list-style-type: none"> • Skill Training of local youth for Job skills • Support for Vocational Training in market trades • Support for capacity building of local Teachers
Livelihood Enhancement	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Plantation along roads/open spaces/ community lands • Awareness and Training on conservation of natural resources • Protection of heritage sites
Sports	<ul style="list-style-type: none"> • 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
Common Interest Activity	<ul style="list-style-type: none"> • Support for Community Infrastructure • Promoting local culture and traditions • Support for protection of local art forms • Support for protection of local heritage

5. CSER ACTIVITY IMPLEMENTED

The implementation of the CSER Plan for the Saundatti IREP is in progress and we are adopting a multi stakeholder partnership implementation model by integrating the development activity with more focus on education, health, infrastructure development, environment and economic objectives of the local people. The Table 3 below provides the list of CSER activity already completed.

Table 3: List of CSER Activity Completed

SI No	Focus Area/ Activity	Details of Completed Activity
A	EDUCATION	
1	Development works at Kannada Higher Primary School at Yakkundi Village	<ul style="list-style-type: none"> • Construction of Toilets for Boys and Girls • Distribution of School Bags • Plantation Activity

SI No	Focus Area/ Activity	Details of Completed Activity
2	Development works at Urdu Higher Primary School at Yakkundi Village	<ul style="list-style-type: none"> • Construction of Toilets for Boys and Girls • Distribution of School Bags • Plantation Activity
3	Development works at Kannada Higher Primary School at Dhupdal	<ul style="list-style-type: none"> • Construction of Toilets for Boys and Girls • Distribution of School Bags • Plantation Activity
4	Development works at Kannada Lower Primary School at Karalakatti	<ul style="list-style-type: none"> • Construction of Toilets for Boys and Girls • Distribution of School Bags • Plantation Activity
5	Development works at Kannada Lower Primary School at Karalakatti Thanda	<ul style="list-style-type: none"> • Construction of Toilets for Boys and Girls • Providing seating Benches for Students • Providing Chairs for Teachers • Distribution of School Bags • Plantation Activity
B	HEALTH CARE	
1	Conducting Medical Camps (Covered Yakkundi, Dhupdal, Karalakatti and Karalakatti Thanda Villages)	<ul style="list-style-type: none"> • General Health Screening camp • Eye Screening Camp • Distribution of Spectacles • Distribution of Medicines
2	Providing a Mobile Health Clinic	<ul style="list-style-type: none"> • Providing a full time Mobile Health Clinic • Providing a full time Doctor • Fully equipped facility with diagnostic Services • Providing medicines at free of cost. • Providing emergency services.
C	INFRASTRUCTURE DEVELOPMENT	
1	Construction of Village Roads in Yakkundi Village	<ul style="list-style-type: none"> • CC Road near Kumaraswamy Math • CC Road from Village to Burial Ground
2	Development works for Orphanage Home at Yakkundi Village	<ul style="list-style-type: none"> • Construction of Toilet Facility • Distribution of Beds • Distribution of Cots • Renovation works through partition walls & other repair works

SI No	Focus Area/ Activity	Details of Completed Activity
3	Development works for Bus Stand at Yakkundi Village	<ul style="list-style-type: none"> • Construction of Toilet Facility • Providing seating Facility • Renovation works through painting, beautification and landscaping etc
4	Development works for Bus Stand at Dhupdal	<ul style="list-style-type: none"> • Construction of Toilet Facility • Providing seating Facility • Renovation works through painting, beautification and landscaping etc
5	Development works for Bus Stand at Karlakatti Thanda	<ul style="list-style-type: none"> • Construction of Toilet Facility • Providing seating Facility • Renovation works through painting, beautification and landscaping etc
D	ENVIRONMENT	
1	Tree Plantation	<ul style="list-style-type: none"> • Phase I Implementation of One Lakh Tree Plantation in the Project Villages
E	SPORTS	
1	Provide support to local Villages	<ul style="list-style-type: none"> • Contribution towards Construction of Wrestling Ground at Dhupdal village
F	COVID-19 MITIGATION MEASURES	
1	Covid-19 Mitigation and Relief and Rehabilitation measures	<ul style="list-style-type: none"> • Distribution of Masks, Sanitizers and Thermal scanners at Saundhatti taluk • Distribution of Masks, Sanitizers and Thermal scanners at Bailhongal Taluk • Distribution of Masks, Sanitizers and Thermal scanners at Tallur village Panchayat • Disinfection activity at 5 villages Yakkundi, Dhupadal, Mallur, Karlakatti and Karlakatti Thanda • Distribution of essential commodities for patients kept in quarantine at Yakkundi Village

Table 4: Activity Implemented and Amount Utilised for CSER Activity Completed till September 2023

SI No	Name of the Activity	Focus Area	Amount (Rs)
1	General Medical and Eye Camp, Govt. High School, Yakkundi	Health Care	56326
2	Construction of Toilet facility at Kannada Higher Primary School at Yakkundi	Education	758341
3	Construction of Toilet facility at Kumaraswamy Mattam School at Yakkundi Village	Education	536949
4	Construction of Toilet facility at Kannada Higher Primary School at Dhupdal Village	Education	717795
5	Construction of Toilet facility at Kannada Lower Primary School at Karlakatti Village	Education	536926
6	Construction of Toilet facility at Kannada Lower Primary School at Karlakatti Thanda Village	Education	484391
7	Providing 30 Chairs and 20 Benches to Lower Primary School at Karalkatti Thanda Village	Education	78000
8	Distribution of School Bags in local Govt Schools	Education	169785
9	Repair and Renovation of Bus Stand at Yakkundi Village	Infrastructure Development	311565
10	Construction of CC Road at Kumaraswami Mattam at Yakkundi Village	Infrastructure Development	532870
11	Beds & Mattresses for Kumaraswamy Mattam Orphanage at Yakkundi Village	Infrastructure Development	55100
12	Repair and Renovation of Bus Stand at Dhupdal Village	Infrastructure Development	181937
13	Construction of CC Road at Burial Ground at Dhupdal Village	Infrastructure Development	554254
14	Repair and Renovation of Bus Stand at Karlakatti Thanda Village	Infrastructure Development	87638
15	Phase I Implementatation of One Lakh Tree Plantation in the Project affected Villages /Panchayats	Environment	30000
16	Contribution towards Urusu Jaathara of Yakkundi Village	Common Interest Activity	10,000
17	Contribution towards village Jaathara of Karlakatti	Common Interest Activity	10,000
18	Contribution towards Construction of Wrestling house at dhupdal village	Sports	50,000
19	Contribution towards Viraktha Matha Jaathara of Yakkundi Village	Rural Development	40,000
20	Distribution of Masks,Sanitizers and Thermal scanners towards Covid 19 Relief at Saundhatti taluk	Health Care	4,30,700
21	Distribution of Masks,Sanitizers and Thermal scanners towards Covid 19 Relief at Bailhongal Taluk	Health Care	4,52,472
22	Distribution of Masks,Sanitizers and Thermal scanners towards Covid 19 Relief to forest department	Health Care	14,420
23	Distribution of Masks,Sanitizers and Thermal scanners towards Covid 19 Relief at Tallur village panchayat	Health Care	71,500
24	Disinfection activity at 5 villages yakkundi,Dhupadal,Mallur,Karlakatti and Karlakatti thanda	Health Care	1,50,930
25	Distribution of Provisions towards Covid 19 relief for patients kept in quarantine at Yakkundi Village	Health Care	1,71,380

SI No	Name of the Activity	Focus Area	Amount (Rs)
26	Providing Support to local orphanage at Yakkundi	Common Interest Activity	28,625
27	Donation of medicines to the local Civil Hospital at Bailhongal	Health Care	50,000
28	Donation of groceries for conducting annual festivals at Virkathama Matam for orphanage	Common Interest Activity	1,50,000
		Total	67,21,904

6. CSER ACTIVITY AT A GLANCE

Support to School Students in local Schools- School Bags Distribution



Infrastructure Development in local Government Schools at Yakkundi, Dhupdal and Karlkatti Villages



Infrastructure Development in Villages - Repair & Renovation of Bus Stands in Yakkundi and Dhupdal Villages



Health Care Services through Medical Camp and Mobile Clinic at Saundatti



Infrastructure Development in Villages – Construction of CC Roads at Yakkundi Village



Tree Plantation Activity



Distribution of Medicines to local Hospital

