File No: J-12011/91/2007-IA.I
Government of India
Ministry of Environment, Forest and Climate Change
IA Division
****

Date **15/07/2026**

To,

Mr. NAGENDRA PRASAD D
M/s. SNEHA KINETIC POWER PROJECTS PRIVATE LIMITED
Sai Square Building, Plot no-1131/A, Road NO-36,Jubilee Hills, HYDERABAD, TELANGANA, , 500033
info@snehakinetic.com

Subject: **Dikchu Hydroelectric Power Project (96 MW) in District Gangtok & Mangan, Sikkim by M/s Sneha Kinetic Power Projects Private Limited (erstwhile Greenko Energies Private Limited)- Environmental Clearance for Expansion of Capacity (from 96 MW to 110 MW)- reg.**

Sir/Madam,

This is in reference to your online application No. IA/SK/RIV/580316/2026 submitted on 01/06/2026 to this Ministry for the grant of Environmental Clearance (EC) under the provisions of the EIA Notification, 2006, and its subsequent amendments. The application pertains to the proposal for expansion of capacity (from 96 MW to 110 MW) of Dikchu Hydroelectric Power Project (96 MW) in District Gangtok & Mangan, Sikkim by M/s Sneha Kinetic Power Projects Private Limited (erstwhile Greenko Energies Private Limited).

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC26A0501SK5396271N
(ii) File No.	J-12011/91/2007-IA.I
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	1(c) River Valley/Irrigation projects
(vi) Sector	River Valley and Hydroelectric Projects
(vii) Name of Project	Dikchu Hydroelectric Power Project
(viii) Name of Company/Organization	SNEHA KINETIC POWER PROJECTS PRIVATE LIMITED

(ix) Location of Project (District, State)	Gangtok, SIKKIM
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. In view of the particulars given in the Para 2 above, the project proposal inter-alia including Common Application Form (CAF), Part A, B and C) and EIA & EMP Reports were submitted to the MoEF&CC for an appraisal by the Expert Appraisal Committee (River Valley & Hydro-electric) under the provision of EIA notification 2006, as amended.

4. The above-mentioned proposal has been considered by the EAC in its 56th meeting held on 08th June, 2026. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above.

5. The EAC after examining the information submitted and detailed deliberations recommended the proposal for grant of prior Environmental Clearance for expansion of capacity (from 96 MW to 110 MW) of Dikchu Hydroelectric Power Project (96 MW) in District Gangtok & Mangan, Sikkim by M/s Sneha Kinetic Power Projects Private Limited (erstwhile Greenko Energies Private Limited), under the provisions of EIA Notification, 2006, as amended subject to compliance of applicable Standard EC conditions along with certain specific environmental safeguard conditions (Annexure - I).

6. The details of the project as per the information submitted by the Project proponent are given in Annexure – II.

7. The MoEF&CC has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006, as amended and based on recommendation of EAC, the Ministry, hereby accords approval for grant of Environmental Clearance for expansion of capacity (from 96 MW to 110 MW) of Dikchu Hydroelectric Power Project (96 MW) in District Gangtok & Mangan, Sikkim by M/s Sneha Kinetic Power Projects Private Limited (erstwhile Greenko Energies Private Limited), under the provisions of EIA Notification, 2006, as amended subject to compliance of the Specific and Standard EC conditions as given in Annexure (1) for environmental safeguards.

8. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006, as amended. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

9. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

10. The above conditions will 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, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

11. The Project Proponent is obligated to implement all commitments made in the Environmental Management Plan (EMP), which forms an integral part of this Environmental Clearance (EC).

12. General Instructions:
(a) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing 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.
(b) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
(c) 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.
(d) 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.
(e) 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.
(f) PP needs to comply the OM dated 24.07.2024 of MoEFCC, where it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign " EK Ped Ma ke Naam" (एक पेड़ माँ के नाम (and the details of the same shall be uploaded in the MeriLife portal (https://merilife.nic.in).
(g The plantation under Green Credit Program by the Project Proponent shall not be eligible for site specific plantation clearance forming part of Environment Clearance.

13. This issues with the approval of the Competent Authority.

Copy To

1. The Member Secretary, CGWA, 18/11 Jamnagar House Man Singh Road, Central, Delhi, cgwa@nic.in
2. The Monitoring Cell MoEFCC, Compliance & Monitoring Division, Indira Paryavaran Bhawan Jor Bagh Road New Delhi, South, Delhi, moefcc-monitoring@gov.in
3. The Member Secretary, CPCB, Parivesh Bhawan Cbd-Cum-Office Complex East Arjun Nagar, East, Delhi, mscb.cpcb@nic.in
4. The Secretary, Ministry of Jal Shakti Department of Water Resources River Development and Ganga Rejuvenation Government of India, Shram Shakti Bhawan Rafi Marg New Delhi – 110001, New Delhi, Delhi, secy-mowr@nic.in
5. The Secretary, Ministry of Power, Shram Shakti Bhawan Rafi Marg New Delhi -110 001, New Delhi, Delhi, secy-power@nic.in
6. The Deputy Director General, Regional Office, Assistant Commissioner (Forest) Sub-Office Kolkata Ministry Of Environment Forest And Climate Change Sub-Regional Office Kolkata Ib - 198 Sector-Iii Salt Lake City Kolkata - 700106, N/A, N/A, iro.kolkata-mefcc@gov.in
7. The District Collector, DC Office, Gangtok, Gangtok, Sikkim, dm-gangtok@sikkim.gov.in
8. The Member Secretary, SPCB/PCC, Environment Wildlife Management Department Government Of Sikkim Forest Secretariat Annex I Ground Floor Deorali, Gangtok, Sikkim, msspcbsk@gmail.com
9. The District Collector, DC Office, District Collector Mangan District Sikkim, North District, Sikkim, dcnorthsikkim@yahoo.com

10. The Chief Wildlife Warden Sikkim, Forest Environment & Wildlife Management Department Government of Sikkim, Forest Secretariat Deorali Gangtok-737102 Sikkim, Gangtok, Sikkim, pccf-fewd@sikkim.gov.in
11. The Chairman Central Electricity Authority, Central Electricity Authority Ministry of Power, Room No. 201 2nd Floor (North) Sewa Bhawan New Delhi, Central, Delhi, chair@nic.in
12. The Chairman, Central Water Commission Ministry of Jal Shakti., 2nd Floor (South) Sewa Bhawan R K Puram New Delhi 110066, South, Delhi, chairman-cwc@nic.in

Annexure 1

Specific EC Conditions for (River Valley/irrigation Projects)

1. Miscellaneous:

S. No	EC Conditions
1.1	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.
1.2	A dedicated team to oversee environmental management activities (at project site) shall be set up comprising Environment Manager having post graduate qualification in Environmental Sciences/ Environment Engineering along with other supporting staff. The Environment Manager Shall report to Project Head directly.
1.3	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.
1.4	PP shall procure construction material only from those Organizations having all valid legal/statutory clearances/permissions or necessary permission to be obtained for quarrying construction materials for the project as per the EIA Notification, 2006 and as amended thereof.

2. Socio-economic:

S. No	EC Conditions
2.1	Solar panel be provided to the families living in rural areas within 10 km radius of project with annual maintenance.
2.2	School up to 12th Standard with smart classes shall be established and managed to provide free quality education for children from project affected villages/Tribal villages.
2.3	Scholarship programme shall be initiated for the youths in the project affected villages.
2.4	50 bed multi-specialty hospital shall be established to cater the need of tribal population/locals. The tribal population within 10 km radius of the project/Project Affected Villages shall be given free of cost medical facility.
2.5	i. Skill development Centre shall be established within 10 km radius of the project and regular

S. No	EC Conditions
	training programmes for development and promotion of traditional art/products of tribal/local population. The Skill Development Plan shall mandatorily include the following components: · Capacity building and skill enhancement programs aligned with local livelihood opportunities. · Establishment of linkages with Industrial Training Institutes (ITIs) and other recognized training centres for imparting technical skills. · Provision of free or subsidized access to healthcare facilities in project-supported hospitals and health centres. · Support to educational institutions in the study area through free services, scholarships, infrastructure strengthening, and vocational guidance programs. · Special outreach initiatives for women, youth, and vulnerable groups within the SC/ST communities to ensure inclusive participation and benefits. • The Plan shall be implemented in a time-bound manner with clearly earmarked budgetary provisions, which shall not be diverted for any other purpose.
2.6	The PP shall submit annual progress reports on the implementation of the Skill Development Plan and associated community welfare measures to the Regional Office of the Ministry.
2.7	Bio-Gas plant shall be installed in the Project affected area for Utilizing Cattle waste (Cow Dung) into renewable source of fuel.
2.8	Preference in employment opportunities and admission to ITI institutions shall be given to Project Affected Families (PAFs).
2.9	An institutional mechanism to be developed to ensure the preference of jobs to PAFs and also a policy for preferential treatment for award of sundry works to the PAFs and their dependents.
2.10	Land acquired for the project, if any, shall be suitably compensated in accordance with the prevailing guidelines of the state government and provisions under Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013.
2.11	The compliance of above conditions shall be monitored by IRO, MoEF&CC and regularly site visit once in year. The compliance report of IRO shall be regularly submitted to MoEF&CC.

3. Disaster Management:

S. No	EC Conditions
3.1	The Project Proponent shall undertake periodic assessments and monitoring of the potential risks associated with Glacial Lake Outburst Floods (GLOFs) through a reputed expert Government institution/agency having experience in glaciology, hydrology, and disaster risk assessment. The studies shall evaluate the status of upstream glacial lakes, potential flood scenarios, climate-induced changes, and associated risks to the Dikchu Hydroelectric Project and downstream areas. Based on the findings and recommendations of such assessments, the Project Proponent shall implement appropriate mitigation, adaptation, and risk-management measures, including strengthening of early warning systems, emergency preparedness plans, monitoring infrastructure, and other structural and non-structural safeguards, as necessary, to ensure the safety and sustainability of the project

S. No	EC Conditions
	throughout its operational life.
3.2	Stabilization of muck disposal sites using biological and engineering measures shall be taken up immediately to ensure that muck does not roll down the slopes and does not pollute the natural streams and water bodies in surrounding area. The plantation on muck disposal site with local species for restoration of ecology and environment of the project site area shall be done as per instructions of the Forest Department.
3.3	Necessary control measures such as water sprinkling arrangements, and construction of paved roads leading to muck disposal sites etc. shall be taken up on priority to arrest fugitive dust at all the construction sites.
3.4	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.
3.5	The Project Proponent shall obtain necessary approvals from Central Electricity Authority and Central Water Commission, as applicable, prior to commencement of construction/operation and submit the same to the concerned Regional Office of the Ministry for record and compliance.
3.6	Landslide and other heavy rain related disasters shall be taken care of through appropriate preventive measures during construction and operation of project.

4. Environmental Management And Biodiversity Conservation

S. No	EC Conditions
4.1	The outcome and recommendations of Teesta River Basin Study will have to be fully abided by the project proponent.
4.2	The Environmental Management Plan (EMP) shall be strictly adhered to as submitted in the EIA/EMP reports. 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.
4.3	The contract clause limiting the No. of vehicles used during excavation and transportation shall followed scrupulously and the same shall informed to the ministry.
4.4	Ambient Air Quality Monitoring Stations for real time data to be installed at project site before commencement of the construction, shall be displayed at project site and its report to be submitted to IRO, MoEF&CC.
4.5	PP shall prepare and implement a detailed and comprehensive wildlife conservation plan and the same shall be approved by the Chief wildlife warden. No vehicle purchase shall be allowed from funds earmarked for implementation of Wildlife Conservation plan.
4.6	Plantation of saplings shall be carried out as a part of the tree plantation campaign "Ek Ped Ma Ke Naam" and the details of the same shall be uploaded in the MeriLiFE Portal (https://merilife.nic.in).

S. No	EC Conditions
4.7	The reservoir sedimentation study shall be conducted periodically to determine the actual amount of water available in the reservoir.

Standard EC Conditions for (River Valley/Irrigation projects)

1. Statutory Compliance

S. No	EC Conditions
1.1	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.
1.2	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.3	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).
1.4	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.
1.5	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC.
1.6	Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crores.

2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	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.
2.2	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.
2.3	Necessary control measures such as water sprinkling arrangements, etc. bet taken up to arrest fugitive dust at all the construction sites.
2.4	Conjunctive use of surface water to be planned in the project to check water logging as well as to increase crops productivity. The field drains shall be connected with natural drainage system (if applicable).

S. No	EC Conditions
2.5	Remodelling of existing natural drains (link drains) and connecting them with irrigated land through constructed field drains, collector drains, etc. are to be ensured on priority basis (if applicable).
2.6	Before impounding of the water, Cofferdams for both at the upstream and downstream are to be decommissioned as per EIA/EMP report so that once the project is commissioned; cofferdam should not create any adverse impact on water environment including the rock mass and muck used for the Cofferdam.
2.7	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.
2.8	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.
2.9	Mixed irrigation shall be practised and necessary awareness be given to all the farmers and trained in the use of such systems. Proper crops selection shall be carried out for making irrigation facility more effective (if applicable).
2.10	On Farm Development (OFD) works like landscaping, land levelling, drainage facilities, field irrigation channels and farm roads, etc. should be taken up in phased manner prior to the start of irrigation in the entire command area. The Command Area Development Plan should be strictly implemented as proposed in the EIA/EMP report (if applicable).

3. Noise Monitoring And Prevention

S. No	EC Conditions
3.1	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.
3.2	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.

4. Catchment Area Treatment Plan

S. No	EC Conditions
4.1	Catchment Area Treatment (CAT) Plan as proposed in the EIA/EMP report shall be implemented in consultation with the State Forest Department and shall be implemented in synchronization with the construction of the project.

5. Waste Management

S. No	EC Conditions
5.1	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.
5.2	Solid waste management should be planned in details. 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.

6. Green Belt And Wildlife Management

S. No	EC Conditions
6.1	Based on the recommendation of Cummulative Impact Assessment and Carrying capacity study of river basin or as per the ToR conditions or minimum 15% of the average flow of four consecutive leanest months, whichever value is higher, shall be released as environmental flow.
6.2	Detailed information on species composition particular to fish species from previous study/literature be inventoried and proper management plan shall be prepared for insitu conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.
6.3	Wildlife Conservation Plan approved by the Chief Wildlife Warden shall be implemented in consultation with the local State Forest Department.
6.4	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.
6.5	Compensatory afforestation programme shall be implemented as per the plan approved.
6.6	Fish ladder/pass as envisaged in the EIA/EMP report shall be provided for migration of fishes. Regular monitoring of this facility be carried out to ensure it effectiveness.

7. Public Hearing And Human Health Issues

S. No	EC Conditions
7.1	Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.
7.2	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.
7.3	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.

S. No	EC Conditions
7.4	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.
7.5	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.

8. Risk Mitigation And Disaster Management

S. No	EC Conditions
8.1	Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.
8.2	Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities.
8.3	Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Disaster Management Plan.
8.4	Stabilization of muck disposal sites using biological and engineering measures shall be taken up to ensure that muck does not roll down the slopes and shall be disposed safely and that it does not pollute the natural streams and water bodies in surrounding area. The engineering measures for the muck disposal arrangements be evolved after carrying out required slope stability analysis.
8.5	Catchment area treatment plan shall be prepared and sufficient fund shall be provided for afforestation, rim plantation, pasture development, nursery development.

9. Corporate Environment Responsibility

S. No	EC Conditions
9.1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30th September, 2020, as applicable, regarding Corporate Environment Responsibility.
9.2	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 long time livelihood generation
9.3	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.

S. No	EC Conditions
9.4	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 to the head of the organization.
9.5	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.
9.6	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.
9.7	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 the Committee shall be uploaded in the website of the Company.
9.8	Formation of Water User Association/Co-operative be made involment of the whole community be ensured for discipline use of available water for irrigation purposes

10. Miscellaneous

S. No	EC Conditions
10.1	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.
10.2	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.
10.3	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.
10.4	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.
10.5	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.
10.6	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

S. No	EC Conditions
	development work and start of production operation by the project.
10.7	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
10.8	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.
10.9	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
10.10	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.
10.11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
10.12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
10.13	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.
10.14	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.
10.15	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.

<u>Additional EC Conditions</u>

N/A

Annexure-II

Dikchu Hydroelectric Power Project (96 MW) in District Gangtok & Mangan, Sikkim by M/s Sneha Kinetic Power Projects Private Limited (erstwhile Greenko Energies Private Limited).

The details of the project as per the information submitted by the Project Proponent are given below:

The Project Proponent and the accredited Consultant M/s. R S Envirolink Technologies Pvt. Ltd., made a detailed presentation on the salient features of the project and informed that:

i. M/s Sneha Kinetic Power Projects Ltd. (SKPPL), Hyderabad has been issued a Letter of Intent in Sept 2004 for the development of Dikchu Hydro Power Project on a Build, Own, Operate and Transfer (BOOT) basis by Sikkim Power Development Corporation (SPDC), a Government of Sikkim enterprise. The project, located in Northern (Mangan) and Eastern (Gangtok) Districts of Sikkim, envisages utilization of the waters of the river Dik-Chu, a tributary of River Teesta, for power generation. Dikchu HEP (96 MW) is a run-of-the-river hydroelectric project, which is under operation since 2018.

ii. Dikchu Hydroelectric Project located in Mangan and Gangtok Districts of Sikkim envisages utilization of the water of the river Dik Chu, a tributary of River Teesta for power generation on a run-of-the-river type development, harnessing a head of about 350 m. River Bakcha Chu and River Rate Chu join near Lingdok village, downstream of which it is called River Dik Chu. Of the two rivers, River Bakcha Chu carries more flows. A diversion structure is required to divert the river flows for the power generation. It is necessary to locate this diversion structure downstream of the above-mentioned confluence to ensure that the flows carried by both the tributaries are utilized for power generation.

iii. Environmental Clearance to Dikchu HEP for 96 MW (3x32MW) installed capacity was issued by Ministry of Environment, Forest & Climate Change on 01/04/2008 under EIA Notification 2006. Stage I Forest clearance for diversion of 9.7129 Ha of forest land was issued on 17/12/2008 and Stage II was issued on 09/02/2010. Amendment in Stage I Forest clearance for diversion of 9.5319 Ha (adjustment of reduced requirement) of forest land was issued on 08/02/2013 and Stage II was issued on 26/03/2013. Amendment in Environmental Clearance to Dikchu HEP for 96 MW (2x48 MW) installed capacity was issued by Ministry of Environment, Forest & Climate Change on 05/03/2018 under EIA Notification 2006.

iv. Details of the EC and FC process completed is given at **Table** below:

Chronology of Approvals/Clearances

Sl. No.	Activity	Date	IC (MW)	Remarks
1.	Letter of Intent	03/09/04		State Govt of Sikkim
2.	Implementation agreement	01/03/06		State Govt of Sikkim
3.	Scoping Clearance/TOR	19/04/07	96	TOR was issued to M/s Sneha Kinetic Power Projects Private Limited for (3x32MW)
4.	Public Hearing	16/11/07	96	PH was conducted on 16.11.2007 East Sikkim (Gangtok) 19.11.2007 North Sikkim (Mangan)
5.	Environment Clearance	01/04/08	96	MoEF granted EC for (3x32) MW
6.	Techno Economic clearance	28/11/08		State Govt of Sikkim
7.	Forest Clearance Stage-I	17/12/08	96	Department of Forest Environment and Wildlife, Govt of Sikkim granted forest Stage-I clearance for 9.7129 Ha of forest land
8.	Forest Clearance Stage-II	09/02/10	96	Department of Forest Environment and Wildlife, Govt of Sikkim granted forest clearance for 9.7129 Ha of forest land
9.	Consent To Establish	16/04/10	96	Sikkim State Pollution Control Board granted CTE
10.	Lease agreement for acquisition of private land	22/12/11	96	State Govt of Sikkim
11.	Approval for Change in Turbine Configuration of Units	21/10/11	96	State Govt of Sikkim
12.	Fisheries NOC	10/12/12	96	State Govt of Sikkim
13.	NOC from Irrigation and Flood control department	29/06/12	96	State Govt of Sikkim
14.	Forest Clearance Stage-I Amendment (adjustment of reduced	08/02/13	96	Department of Forest Environment and Wildlife, Govt of Sikkim granted forest

Sl. No.	Activity	Date	IC (MW)	Remarks
	requirement of Forest land)			clearance for 9.5319 Ha of forest land
15.	Forest Clearance Stage-II Amendment (adjustment of reduced requirement of Forest land)	26/03/13	96	Department of Forest Environment and Wildlife, Govt of Sikkim granted forest clearance for 9.5319 Ha of forest land
16.	Approval for Revised layout and Salient features	07/11/11	96	State Govt of Sikkim
17.	Renewal of CTE	23/04/15	96	Sikkim State Pollution Control Board granted CTE Renewal
18.	Date of Submission of Case for Amendment in EC	05/08/16	96	State Govt of Sikkim
19.	Consent To Operate	17/02/17	96	Sikkim State Pollution Control Board granted CTO
20.	EC Amendment Clearance	05/03/18	96	MoEF granted EC Amendment for (2x48) MW, Land requirement also increased
21.	Approval for enhancing the rated capacity 96MW to 110MW	17/06/25	110	Govt Of Sikkim Power Department
22.	CCR Site Visit	29/10/25	96	Sub-Office, Kolkata (RO Bhubaneswar), MoEF&CC
23.	CCR Site Visit report	15/12/25	96	
24.	Renewal of CTO	13/12/25	96	Sikkim State Pollution Control Board granted CTO Renewal
25.	Submission of TOR application in Form I	16/3/26	110	Submission of TOR application in Form I
26.	Issue of Scoping Clearance	4/5/26	110	TOR issued without public consultation

v. Based on discharge monitoring at site, it was observed that the inflow in the river for all the years from 2018 has been more than what is considered in the DPR. Additional power potential assessment has been undertaken based on the average of 10-daily discharges from 2018–19 to 2022–23. Revised power potential submitted to Government of Sikkim and approval for enhancing the rated capacity from 96 MW to 110 MW was issued by Power Department, Govt of Sikkim on 17.06.2025.

vi. Keeping in view that, the turbines have inbuilt overload capacity, the same turbines will be operated with 17.5 m^3/s of discharge instead of 15.23 m^3/s (present design discharge) during the period of high flow in the river. Thus, the capacity enhancement from 96 MW to 110 MW can be achieved without any additional construction, hydro-mechanical work or land requirement. Only operational changes will give additional 14 MW of capacity and provide benefits of increased renewable energy generation and enhanced free-power benefits to the state government.

vii. As per para 7(ii)(a) of EIA Notification of September 2006, all applications seeking prior environmental clearance for expansion with increase in the production capacity beyond the capacity for which prior environmental clearance has been granted under this notification or with increase in either lease area or production capacity in the case of mining projects or for the modernisation of an existing unit with increase in the total production capacity beyond the threshold limit prescribed in the Schedule to this notification through change in process and or technology or involving a change in the product –mix shall be made in Form I and they shall be considered by the concerned Expert Appraisal Committee or State Level Expert Appraisal Committee within sixty days, who will decide on the due diligence necessary including preparation of Environment Impact Assessment and public consultations and the application shall be appraised accordingly for grant of environmental clearance in respect of projects or activities other than falling in clause (b) and (c).

viii. Therefore, the project would need prior Environment Clearance for capacity enhancement from 96 MW to 110 MW. Application has been filed in Form I for the TOR as per para 7(ii)a of EIA Notification, 2006 on 16.03.2026. Scoping clearance letter has been issued on 04.05.2026.

ix. Dikchu HEP is an operational run-of-river hydroelectric scheme commissioned in 2018 for harnessing hydropower potential of River Dikchu, a tributary of River Teesta. The project presently operates with an installed capacity of 96 MW through 2 × 48 MW Francis turbine generator units.

x. The project comprises:

- Diversion barrage across River Dikchu;
- Intake structure;
- Head Race Tunnel (HRT);
- Surge shaft;
- Penstock system;
- Underground powerhouse;
- Tail Race Tunnel (TRT);
- Switchyard and associated infrastructure.

xi. The project harnesses a net operating head of approximately 346–350 m for power generation.

xii. The project proposal was considered by the Expert Appraisal Committee (Hydro River Valley Sector) during its 51st meeting held on 27th March 2026, wherein the Committee recommended the grant of Terms of Reference (ToR) for the project. Accordingly, the Ministry issued the ToR for the Dikchu HEP (from 96 MW to110 MW) project vide letter No. J-12011/91/2007-IA.I dated 04.05.2026.

xiii. The geographical co-ordinates of the project is at Longitude 88°35'20" East and Latitude is 27°24'00" North.

xiv. The Dikchu Hydroelectric Project (96 MW) Construction was started in March 2011 and project has been operational since 2018.

xv. **Land requirement**: The Dikchu HEP is constructed on a total of 55.5329 hectares (9.5319 hectares of forest land and 46.001 hectares of private land). As only operational changes are proposed, the land footprint remains unchanged, with no additional land acquisition required.

xvi. **Demographic details in 10 km radius of project area:** The affected villages Lingdok, Ramthang, Taneyek, Rakdong, Kabi, Phodong, and Rongong together represent a predominantly rural and tribal population. Lingdok has 294 households with a population of 1,516, while Ramthang has 90 households and 513 people, Taneyek 154 households and 754 people, Rakdong 387 households and 2,156 people, Kabi 225 households and 1,091 people, Phodong 113 households and 532 people, and Rongong 162 households and 728 people. In most villages, males slightly outnumber females, with sex ratios ranging from 791 in Phodong to 888 in Kabi. Scheduled Tribe communities form a significant share of the population, accounting for 96.1% in Ramthang, 71.3% in Kabi, 61.8% in Phodong, 50.4% in Rongong, 43.1% in Taneyek, 32.9% in Rakdong, and 30.9% in Lingdok, while Scheduled Castes constitute only a small proportion.

The workforce is also substantial, with 1,326 workers in Rakdong, 617 in Kabi, 586 in Lingdok, 413 in Rongong, 373 in Taneyek, 322 in Phodong, and 246 in Ramthang. Agriculture is the dominant occupation; for example, 74.3% of workers in Ramthang and 68.6% in Rakdong are cultivators, with additional workers engaged as agricultural laborers, in household industries, or in service and business activities. Basic infrastructure and amenities are available in these villages, including multipurpose cooperative societies, primary health sub-centers, post offices, ICDS centers (ranging from about 3 to 7 per block), and primary or junior high schools, though access to higher education, banking, and advanced healthcare remains limited. Overall, the socio-economic structure of the affected villages reflects agriculture-based livelihoods, moderate population sizes, and limited but essential rural infrastructure.

xvii. **Water requirement:** The project harnesses the combined flow of Bakcha Chu and Rate Chu, which join near Lingdok village to form River Dik Chu. A diversion structure is constructed downstream of the confluence to utilize the river discharge for power generation under a gross head of about 350 m. River discharges are estimated based on the long-term discharge series and updated based on the observed flow at Dikchu diversion site for a period of 2019 till 2025. The hydrological analysis demonstrates that during significant periods of the year, particularly monsoon months (April to October), the available discharge in Dikchu River is higher than estimated at the time of initial design discharge and project is capable of operating at higher capacity during high flow period.

xviii. **Project Cost:** As the project is already operational; for increase in capacity from 96 MW to 110 MW no additional cost is required.

xix. **Project Benefit:**

- Additional renewable energy generation
- Additional free power to the state

xx. **Environmental Sensitive area:** No project component falls in any notified protected area. Nearest Protected Area to the project components is Fambonglho Wildlife Sanctuary i.e. 2.0 km. The notification of Eco Sensitive Zone of Fambonglho Wildlife Sanctuary was issued by MoEF&CC on 27th August 2014. All the components of Dikchu HEP are outside the notified ESZ.

xxi. **MoU / any other clearance/ permission signed with State government:** The Government of Sikkim, Power Department, has granted in-principal approval and concurrence to Sneha Kinetic Power Projects Private Limited (SKPPL) for enhancing the rated capacity of the Dikchu Hydro Electric Project from 96 MW to 110 MW, as per the Implementation Agreement dated 1st March 2006. The approval was formalized through the Government's letter Ref. No. 69/Works/Power/PCE-(II)/25-26/30 dated 17.06.2025.

xxii. **Resettlement and rehabilitation:** Rehabilitation and Resettlement (R&R) process has been completed.

xxiii. **Scheduled –I species:** As per Wildlife Protection Amendment Act, 2022, Leopard, Leopard Cat, Jungle Cat, Jackal, Common mongoose, Masked palm civet, Asiatic Black Bear, Barking Deer, Himalayan Goral, Indian Crested Porcupine, Himalayan Griffon-Vulture, Common Hill myna, Indian Cobra, Monocled cobra, King Cobra, Chequered Keelback, Indian Rock Python, Bengal Monitor Lizard, Western Russel's Viper are the species listed under Schedule-I.

xxiv. **Alternative Studies:** Alternative studies are not applicable as the project is site-specific. The proposal pertains to the Environmental Clearance (EC) for expansion of the existing hydropower project capacity from 96 MW to 110 MW. The expansion aims to utilize the available continuous overload capacity of the plant by uprating the installed capacity to 110 MW, while retaining an additional 10% overload capacity beyond 110 MW. This enhancement is expected to increase annual energy generation and provide better support to the grid during low-frequency conditions.

xxv. **Baseline Environmental Scenario:**

<table>
<tr><th>Period</th><th>From March 2025 to February 2026</th></tr>
<tr><td>AAQ parameters at 06 locations (Min. & Max.)</td><td>
Core Zone
<table>
<tr><th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Standards</th></tr>
<tr><td>$PM_{2.5}$</td><td>µg/m^3</td><td>7.50</td><td>22.20</td><td>60</td></tr>
<tr><td>PM_{10}</td><td>µg/m^3</td><td>17.90</td><td>50.50</td><td>100</td></tr>
<tr><td>SO_2</td><td>µg/m^3</td><td>5.10</td><td>8.30</td><td>80</td></tr>
<tr><td>NO_2</td><td>µg/m^3</td><td>6.60</td><td>17.50</td><td>80</td></tr>
</table>
Buffer Zone
<table>
<tr><th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Standards</th></tr>
<tr><td>$PM_{2.5}$</td><td>µg/m^3</td><td>11.50</td><td>29.60</td><td>60</td></tr>
<tr><td>PM_{10}</td><td>µg/m^3</td><td>10.60</td><td>77.50</td><td>100</td></tr>
<tr><td>SO_2</td><td>µg/m^3</td><td>5.25</td><td>13.40</td><td>80</td></tr>
<tr><td>NO_2</td><td>µg/m^3</td><td>7.50</td><td>30.60</td><td>80</td></tr>
</table>
</td></tr>
<tr><td>Incremental GLC Level</td><td>
Core Zone
<table>
<tr><th>Criteria Pollutant</th><th>Unit</th><th>Baseline Concentrat ion [A]</th><th>Predicted incremental value considering worst case stability class [B]</th><th>Total GLC [A]+[B]</th></tr>
<tr><td>PM_{10}</td><td>µg/m^3</td><td>50.5</td><td>0</td><td>50.5</td></tr>
<tr><td>$PM_{2.5}$</td><td>µg/m^3</td><td>17</td><td>0</td><td>17</td></tr>
<tr><td>SO_2</td><td>µg/m^3</td><td>6.1</td><td>0</td><td>6.1</td></tr>
<tr><td>NO_2</td><td>µg/m^3</td><td>8.3</td><td>0</td><td>8.3</td></tr>
</table>
Buffer Zone
<table>
<tr><th>Criteria Pollutant</th><th>Unit</th><th>Baseline Concentration [A]</th><th>Predicted incremental value considering worst case stability class [B]</th><th>Total GLC [A]+[B]</th></tr>
<tr><td>PM_{10}</td><td>µg/m^3</td><td>77.5</td><td>0</td><td>77.5</td></tr>
<tr><td>$PM_{2.5}$</td><td>µg/m^3</td><td>29.6</td><td>0</td><td>29.6</td></tr>
</table>
</td></tr>
</table>

	SO_2	$\mu g/m^3$	13.4	0	13.4
	NO_2	$\mu g/m^3$	30.6	0	30.6

River water samples (06 samples)

Core Zone

S. No.	Parameters	Min	Max	Standards
1	pH	7.35	7.92	8.5
2	Total Dissolved Solids, mg/L	26	33	0
3	Dissolved Oxygen (mg/l)	8.64	11.6	6
4	Chloride (as Cl), mg/L	6.2	7.9	0
5	Total Hardness (as CaCO3), mg/L	30	37	0
6	Biological Oxygen Demand (mg/l)	0	0	2
7	Chemical Oxygen Demand (mg/l)	0	0	0
8	Total Coliform (MPN/100 ml)	0	0	50

Buffer Zone

S. No.	Parameters	Min	Max	Standards
1	pH	7.28	7.74	8.5
2	Total Dissolved Solids, mg/L	21	30	0
3	Dissolved Oxygen (mg/l)	8.28	11.9	6
4	Chloride (as Cl), mg/L	5.8	8.5	0
5	Total Hardness (as CaCO3), mg/L	27	32	0
6	Biological Oxygen Demand (mg/l)	0	0	2
7	Chemical Oxygen Demand (mg/l)	0	0	0
8	Total Coliform (MPN/100 ml)	0	0	50

Pond water samples quality at --locations

-

Ground Water samples at 03 locations

Core Zone

S. No.	Parameters	Min	Max	Desired Limits	Permissible	Limits
1	pH	6.9	7.3	6.5	8.5	
2	Total Dissolved Solids, mg/L	55	64	500	2000	
3	Chloride (as Cl), mg/L	25	39	250	1000	
4	Total Hardness (as CaCO3), mg/L	71.7	104.7	200	600	
5	Fluoride (as F), mg/L	0.18	0.22	1.0	1.5	

Buffer Zone

S. No.	Parameters	Min	Max	Desired Limits	Permissible	Limits
1	pH	7.2	7.9	6.5	8.5	

2	Total Dissolved Solids, mg/L	41	86	500	2000	
3	Chloride (as Cl), mg/L	29	46	250	1000	
4	Total Hardness (as CaCO3), mg/L	87.8	126.8	200	600	
5	Fluoride (as F), mg/L	0.14	0.18	1.0	1.5	

Noise levels Leq (Day & Night) at 06 locations

Zone	Category	Leq Day dB(A)		Leq Night dB(A)		Prescribed Limits	
		From	To	From	To	Day	Night
Core	Residential	51.2	60.6	34.7	39.4	55	45
Buffer	Residential	52.1	62.4	31.2	42.1	55	45

Soil Quality at 06 Locations

Core Zone

S. No.	Parameters	Min	Max	Prescribed Limits
1	Calcium (mg/kg)	40	49	500
2	Magnesium (mg/kg)	13	19	500
3	Nitrogen (kg/ha)	108.6	113.2	500
4	Phosphorus (kg/ha)	24.76	31.2	50
5	Potassium (kg/ha)	103	110	500
6	Carbon (%)	10.16	11.85	1
7	Sodium Absorption Ratio	3.72	4.73	10
8	Salinity (ppt)	0	0	0.01

Buffer Zone

S. No.	Parameters	Min	Max	Prescribed Limits
1	Calcium (mg/kg)	35	54	500
2	Magnesium (mg/kg)	12	22	500
3	Nitrogen (kg/ha)	96.2	132	500
4	Phosphorus (kg/ha)	19.45	34.2	50
5	Potassium (kg/ha)	95	182	500
6	Carbon (%)	6.37	12.84	1
7	Sodium Absorption Ratio	4.01	5.57	10
8	Salinity (ppt)	0	0	0.01

Flora & Fauna

Schedule-I species observed in the study area:

As per As per Wildlife Protection Amendment Act, 2022, Leopard, Leopard Cat, Jungle Cat, Jackal, Common mongoose, Masked palm civet, Asiatic Black Bear, Barking Deer, Himalayan Goral, Indian Crested Porcupine, Himalayan Griffon-Vulture, Common Hill myna, Indian Cobra, Monocled cobra, King Cobra, Chequered Keelback, Indian Rock Python, Bengal Monitor Lizard, Western Russel's Viper are the species listed under Schedule-I.

xxvi. **Details of Solid waste/ Hazardous waste generation/ Muck and its management:**
Since the project is operational, the labour colonies no longer exist, and solid-waste generation is minimal, limited only to routine domestic waste from operational staff. No further displacement or additional waste-management requirements are anticipated. The project has identified authorized vendors for the recycling or disposal of used batteries, used oil, and used oil filters, as these are classified as hazardous wastes as per Hazardous and other Wastes (Management &Transboundary Movement) Rules,2020

xxvii. Public Hearings for the existing 96 MW project were conducted by the State Pollution Control Board (SPCB) on 16 November 2007 and 19 November 2007 in East Sikkim (Gangtok) and North Sikkim (Mangan) districts, respectively. Further, as per the Terms of Reference (ToR) issued by the Expert Appraisal Committee (EAC), MoEF&CC, vide letter dated 04 May 2026 for the proposed capacity expansion from 96 MW to 110 MW, a fresh Public Hearing is exempted under Clause 7(ii).

xxviii. Details of Certified compliance report submitted by RO, MoEF&CC: The Regional Office, Bhubaneswar, Ministry of Environment, Forest & Climate Change, conducted the review as per the request from the user agency and issued the Certified Compliance Report (CCR) RO-NE/E/IA/SK/HEP/88/388 on 15.12.2025.

xxix. Status of Litigation Pending against the proposal, if any: NA

xxx. The salient features of the project are as under: -

- **EAC Meeting Details:**

EAC meeting/s	56th Meeting
Date of Meeting/s	08.06.2026
Date of earlier EAC meetings	Environment Clearance: 16.01.2008 & 21.02.2008 EC Amendment: 24.08.2017 & 25.08.2017 ToR (Expansion in capacity): 27.03.2026

- **Project details:**

Name of the Proposal	Dikchu Hydroelectric Project (96 MW to 110 MW)
Proposal No.	Proposal No: IA/SK/RIV/580316/2026 File No. J-12011/91/2007-IA.I
Location (Including Coordinates)	Dikchu HEP falls in Gangtok and Mangan Districts of Sikkim. Project is located at Dikchu river 100 meters downstream of confluence of Ratey Chu and

	Bakcha Chu river at Lingdok. Powerhouse is located at Dikchu, Gangtok district near Dikchu Bazar.
Company's Name	Sneha Kinetic Power Projects Private Limited
CIN no. of Company/user agency	U40109DL2000PTC231172
Accredited Consultant and certificate no.	R S Envirolink Technologies Private Limited NABET/EIA/25-28/RA 0415
Project location (Coordinates /River/ Reservoir)	Dikchu HEP falls in Gangtok and Mangan Districts of Sikkim. Project is located at Dikchu river 100 meters downstream of confluence of Ratey Chu and Bakcha Chu river at Lingdok. Powerhouse is located at Dikchu, Gangtok district near Dikchu Bazar. Dam site: 88°35'20"E; 27°24'00"N Powerhouse: 88°31'37.83"E; 27°24'14.32"N.
Inter- state issue involved	No
Proposed on River/ Reservoir	Dikchu River
Type of Hydro-electric project	Hydroelectric Power Project
Seismic zone	Zone-IV

- **Category details:**

Category of the project	River Valley and Hydro Electric Project
Capacity / Cultural command area (CCA)	110 MW
Attracts the General Conditions (Yes/No)	Yes
Additional information (if any)	Nil

- **ToR/EC Details:**

ToR Proposal No.	IA/SK/RIV/571164/2026
EAC meeting date	27.03.2026
ToR Letter No.	File No. J-12011/91/2007-IA.I
ToR grant Date	04.05.2026
Cost of project	745 Cr. (already incurred as the project is operational)
Total area of Project	55.5329 Ha (already acquired and the project constructed)
Height of Dam from Riverbed (EL)	36 m
Details of submergence area	The submergence area is 59479 Sqm
District to provide irrigation facility (if applicable)	NA
Details of tunnels on upper level & lower level and length of canal (if applicable)	5.46 km (Headrace tunnel)
No. of affected Village	7

No. of Affected Families	75
Project Benefits	Additional renewable power generation Additional free power to the state
R&R details	All Rehabilitation and Resettlement activities have been completed. Compensation, support, and assistance have been provided to all affected families. As the project is now operational, no further land acquisition, displacement, or R&R measures are required.
Catchment area/ Command area	240 km2
Types of Waste and quantity of generation during construction/Operation	Since there is no construction activity required for capacity expansion, Waste generation during construction is not applicable. Waste generated during operation includes municipal solid waste, bio-medical waste, and e-waste.
Material used for blasting and its composition as per DGMS standards.	NA
E-Flows for the Project	The environmental flow (e-flow) requirements for the project are being regularly monitored by the Sikkim State Pollution Control Board (PCB) in accordance with the prescribed norms and regulatory guidelines.
Is Projects earlier studied in Cumulative Impact assessment & Carrying Capacity studies (CIA&CC) for River in which project located. If yes then E-flow with TOR/Recommendation by EAC as per CIA&CC study of River Basin. If not the E-Flows maintain criteria for sustaining river ecosystem.	Yes (Teesta Basin Study completed)
Details on provision of fish pass	NA Fisheries development activities were also undertaken under the approved EMP provisions of Dikchu Hydroelectric Project through the Directorate of Fisheries, Government of Sikkim. A total amount of Rs 55.75 lakh was provided towards fisheries development and allied aquatic resource management activities. As per utilization records made available by the Directorate of Fisheries, an amount of Rs 45.75 lakh had already been utilized towards various fisheries infrastructure development and renovation works.

Project benefit including employment details (no of employee)	The proposed enhancement of Dikchu HEP from 96 MW to 110 MW would enable improved utilization of surplus monsoon flows, increased renewable energy generation, enhanced peaking power support, additional revenue and free power benefits to the State, and optimized utilization of existing hydropower infrastructure with negligible incremental environmental impacts.
Area of Compensatory Afforestation (CA) with tentative no of plantation.	Compensatory Afforestation (CA) activities for Dikchu Hydroelectric Project were implemented in accordance with the approved Forest Clearance conditions and applicable statutory requirements under the Forest (Conservation) Act. The compensatory afforestation measures were undertaken through the Forest Department, Government of Sikkim for offsetting impacts associated with diversion of forest land for the project and for improvement of ecological conditions within identified afforestation areas. The Compensatory Afforestation programme was implemented with actual expenditure of Rs 119.32 lakh against the approved allocation of Rs 82.97 lakh, resulting in additional expenditure of about Rs 36.35 lakh towards afforestation and forest protection measures. The increased expenditure was primarily attributable to revised Forest Clearance conditions, CAMPA-related payments, plantation and maintenance activities, forest protection measures, and escalation in implementation costs. The expenditure towards compensatory afforestation included: FCA Stage-I component: Rs 97.12 lakh; and FCA Stage-II component: Rs 22.20 lakh. The required funds were deposited in designated CAMPA and Forest Department accounts as per statutory provisions and Forest Clearance conditions. The compensatory afforestation measures included plantation activities, maintenance of plantation areas, protection of afforested sites, soil and moisture conservation measures, and ecological restoration activities within designated afforestation areas. The implementation of compensatory afforestation measures has contributed towards improvement in vegetative cover, ecological restoration and strengthening of forest regeneration in the identified afforestation areas. The afforestation and associated forest protection measures have also supported

	enhancement of local ecological conditions and long-term environmental stabilization in the region. Since the proposed enhancement in installed capacity from 96 MW to 110 MW is limited to operational optimization of the existing hydropower infrastructure without any additional forest land diversion, tree felling or expansion of project footprint, no additional compensatory afforestation requirement is envisaged under the proposed capacity enhancement proposal. The compensatory afforestation measures already implemented under the approved Forest Clearance conditions shall continue to provide long-term ecological benefits during operation phase of the enhanced capacity project.
Previous EC details	EC for 96 MW granted to Sneha Kinetic Power Projects Private Limited on 01.04.2008. EC Amendment granted to Sneha Kinetic Power Projects Private Limited on 05.03.2018
EC Compliance Report by R.O, MOEF&CC	IRO, Regional Office, Bhubaneswar visited the site on 29th October 2025 and issued CCR vide CCR No.: RO-NE/E/IA/SK/HEP/88/388 dated 15th December 2025.

- **Electricity generation capacity:**

Powerhouse Installed Capacity	110 MW
Generation of Electricity Annually	455.44 MU
No. of Units	2 units of 55 MW

- **Muck Management Details:**

No. of proposed disposal area/ (type of land- Forest/Pvt land)	Not required as no muck generation
Cross section of proposed muck area, Height of muck with slope.	NA
Distance of muck disposal area (location), from muck generation sources (project area)/River, HFL of proposed muck disposal area.	NA
Total Muck Disposal Area	NA
Estimate Muck to be generated	NA
Transportation	NA
Monitoring mechanism for Muck Disposal Transportation	NA

- **Land Area Breakup:**

Private land	46.001 ha
Government land	0.00 ha
Forest Land	9.5319 ha
Total Land	55.5329 ha
Submergence area/Reservoir area	5.9479 ha
Additional information (if any)	-

- **Presence of Environmentally Sensitive areas in the study area**

Forest Land/ Protected Area/ Environmental Sensitivity Zone	**Yes/No**	**Details of Certificate/ letter/Remarks**
Reserve Forest/Protected Forest Land	Yes	No project component falls in any notified protected area. Nearest Protected Area to the project components is Fambonglho Wildlife Sanctuary i.e. 2.0 km. The notification of Eco Sensitive Zone of Fambonglho Wildlife Sanctuary was issued by MoEF&CC on 27th August 2014. All the components of Dikchu HEP are outside the notified ESZ.
National Park	No	
Wildlife Sanctuary	Yes	
Archaeological sites monuments/ historical temples etc.	No	
Additional information (if any)	-	NA

Availability of Schedule-I species in study area:
As per Wildlife Protection Amendment Act, 2022, Leopard, Leopard Cat, Jungle Cat, Jackal, Common Mongoose, Masked Palm Civet, Asiatic Black Bear, Barking Deer, Himalayan Goral, Indian Crested Porcupine, Himalayan Griffon-Vulture, Common Hill Myna, Indian Cobra, Monocled cobra, King Cobra, Chequered Keelback, Indian Rock Python, Bengal Monitor Lizard and Western Russel's Viperare are listed under schedule I species.

- **Public Hearing (PH) Details**

Advertisement for PH with date	Public Hearings for the existing 96 MW project were conducted by the State Pollution Control Board (SPCB) on 16 November 2007 and 19 November 2007 in East Sikkim (Gangtok) and North Sikkim (Mangan) districts, respectively.
Date of PH	
Venue	
Chaired by	
Main issues raised during PH	

No. of people attended	Further, as per the Terms of Reference (ToR) issued by the Expert Appraisal Committee (EAC), MoEF&CC, vide letter dated 04 May 2026 for the proposed capacity expansion from 96 MW to 110 MW, a fresh Public Hearing is exempted under Clause 7(ii).

- **Brief of base line Environment:**

Particulars	**Details**
Period of baseline data collection/Sampling period.	March 2025 to February 2026
Soil	
Air Environment	
Noise & Traffic	
Vegetation	
Faunal	
Water and Aquatic Ecology	
Socio-economic survey of study area villages	
Brief description on hydrology and water assessment as per the approved Pre-DPR:	Hydrological studies included comparison between derived flows and short-term observed flows measured near the intake location during 2005–06 and 2006–07. The observed and derived flow series were found to be reasonably comparable, thereby validating the adopted methodology for derivation of flows in the ungauged Dikchu catchment. Design flood studies for the project were carried out using multiple approaches including unit hydrograph method, flood frequency analysis, empirical methods such as Dicken's Formula and Ali Nawaz Jung Formula, and transposition of design floods from Teesta Stage III and Teesta Stage-V projects. Based on comparative assessment of various methods, the design peak flood for the diversion structure has been adopted as 1,100 m^3/sec. The reservoir area-elevation-capacity analysis indicates that at the Full Reservoir Level (FRL) of EL 950.00 m, the reservoir capacity works out to approximately 0.32 MCM with a water spread area of about 0.032 km^2. The permanent submergence area due to

	the project has been estimated as approximately 3.2 hectares.
Additional detail (If any)	-

- **Court case details:**

Court Case	Nil
Additional information (if any)	-

- **Status of other statutory clearances**

Particulars	Letter no. and date
Status of Stage- I FC	**Stage I granted:** File No. 3-SK C 086/2008-SHI/2302-04 FC dated 31-10 2008 **Stage I Amendment granted:** File No3 SK C 086/2008-SHI/3574-75 FC dated 08-02-2013 **Stage II granted:** File No 3-SK C 086/2008-SHI dated 22.01.2010 **Stage II Amendment granted:** File No.3 SK C 086/2008-SHI/3863-64 FC dated 21-03-2013.
Approval of Central Water Commission	--
Approval of Central Electricity Authority	--
Additional detail (If any) TEC approval from State Govt	TEC approval - 28.11.2008 Approval for Enhancing the Rated capacity- 17.06.2025
Is FRA (2006) done for FC-I	Yes

- **Details of the EMP**

Against approved EMP cost of approximately Rs 2346.88 lakh, actual expenditure incurred amounts to approximately Rs 4054.38 lakh, resulting in additional expenditure of about Rs 1707.50 lakh over and above the approved allocation

S. No.	EMP Component	Approved Cost (Rs lakh)	Actual Expenditure (Rs lakh)	Additional / Excess Expenditure (Rs lakh)
1	Biodiversity Conservation	178.97	178.97	0.00
2	Fisheries Development Plan	55.75	55.75	0.00
3	Catchment Area Treatment	780.92	780.92	0.00

4	Compensatory Afforestation	82.97	119.32	36.35
5	Green Belt / Beautification	7.32	7.32	0.00
6	Quarry Rehabilitation	20.18	30.00	9.82
7	Control of Water & Air Pollution	4.00	23.16	19.16
8	Solid Waste Management	46.76	108.09	61.33
9	Muck Management Plan	76.03	263.01	186.98
10	EMP in Road Construction	148.00	303.17	155.17
11	Public Health	85.00	129.28	44.28
12	Resettlement & Rehabilitation	720.00	1875.66	1155.66
13	Disaster Management Plan	100.00	100.00	0.00
14	Free Fuel Provision	24.83	60.35	35.52
15	Environmental Monitoring Programme	16.15	19.38	3.23
	Total	**2346.88**	**4054.38**	**1707.50**

Consolidated Annual Environmental Monitoring, Sustainability and Community Welfare Commitments Proposed during Operation Phase of Enhanced Capacity Project

S. No.	Component	Scope / Coverage	Proposed Annual Cost (Rs lakh/year)
1	Water Quality Monitoring	Monitoring of physico-chemical and biological parameters at representative upstream, reservoir and downstream locations	3.24
2	Ambient Air Quality Monitoring	Monitoring of PM_{10}, $PM_{2.5}$, SO_2 and NOx at operational areas and nearby habitation	31.68
3	Noise Monitoring	Occupational and ambient noise monitoring at powerhouse, operational areas and nearby habitation	1.50
4	Erosion & Siltation Monitoring	Monitoring of vulnerable slopes, drainage channels and stabilization measures	3.00
5	Environmental Flow / Release Monitoring	Continuous online monitoring of downstream environmental flow releases	Included under operational monitoring system
6	Documentation &	Six-monthly compliance reporting, environmental	5.00

	Compliance Reporting	database maintenance and statutory submissions	
7	Bioengineering, Slope Stabilization & Ecological Restoration Measures	Stabilization of vulnerable slopes and erosion-prone areas through bioengineering measures, plantation of native soil-binding species, drainage improvement, ecological restoration and climate-resilient environmental protection measures	15.00
8	Community Welfare, Environmental Awareness & Sustainability Initiatives	Environmental awareness programmes, local sustainability initiatives, support for environmentally beneficial community welfare activities, plantation drives, village-level environmental campaigns and adaptive environmental management measures	15.00
	Total		**74.42**

The above environmental monitoring, environmental sustainability and community welfare measures shall continue during operation phase of the enhanced capacity project to ensure effective environmental surveillance, ecological conservation, climate resilience, environmental flow compliance and environmentally sustainable community development within the project influence area.

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Signature Not Verified

Digitally Signed by : Yogendra Pal Singh
Member Secretary, MoEFCC (EC)

Date: 15/07/2026