

MP30 OSPSP/MoEF&CC-SMR/24122024

Date: 24.12.2024

To

**The Deputy Director General of Forests (C),
Ministry of Environment Forest & Climate Change
Integrated Regional Office, E-5 Kendriya Paryavaran Bhawan
E-5 Arera Colony, Link Road-3
Ravishankar Nagar, Bhopal-462016 (MP),**

Sub: MP 30 Gandhi Sagar Off Stream Pumped Storage Project (1440 MW) in Neemuch District, Madhya Pradesh by M/s Greenko MP01 IREP Pvt. Ltd - Submission of Half Yearly (Six Monthly) Compliance Report for the period April 2024 - September 2024 -reg

Ref: Environmental Clearance Letter No. J-12011/22/2019-IA.I.(R) Dated: 01-12-2021 and its amendment Dated: 13-02-2023.

Dear Sir,

Environmental clearance was accorded to MP30 Gandhi Sagar Off stream Pumped Storage Project 1440 Mw. With reference to the above-cited letter, we are herewith submitting the half-yearly EC compliance report for the period from **April 2024 - September 2024 (01st Dec 2024)** as per the EIA notification of 2006 on the Parivesh portal.

We trust that the measures taken towards environmental safeguards comply with the stipulated environmental conditions. We look forward to your further guidance, which will certainly help us in our endeavour to further improve our environmental management practices.

Thanking You

Yours Sincerely

For **Greenko MP01 IREP Pvt. Ltd.**



Authorized Signatory

Encl: Compliance report along with annexures

- Cc:
1. The Director, Environment impact Assessment Division (River Valley & Hydro Electric Projects) MoEF&CC, Indira Paryavaran Bhavan, Vayu Wing, Jor Bagh Road, New Delhi-110003.
 2. The Member Secretary, State Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 462 016.
 3. The Regional Officer, Regional office MPPCB, Ujjain- 456001 (MP).

**HALF YEARLY COMPLIANCE TO THE CONDITIONS
STIPULATED IN ENVIRONMENTAL CLEARANCE ISSUED
BY MOEF&CC
VIDE ORDER NO. J-12011/22/2019-IA-I (R)
Dated: 1st December,2021 & TRANSFER OF
ENVIRONMENTAL CLEARANCE (AMENDMENT) Dated: 13th
February,2023.**

**Period: Apr 2024 to Sep 2024
(01st Dec 2024)**

By

GREENKO MP01 IREP PRIVATE LIMITED
(MP30 GANDHI SAGAR OFF STREAM PUMPED
STORAGE PROJECT
(1440 MW)

*Khemla Block village, Rampur Tehsil,
Neemuch District, Madhya Pradesh*

1. INTRODUCTION

MP 30 Gandhi Sagar is an Off-Stream pumped Storage Project comprising of two reservoirs i.e., Gandhi Sagar lower reservoir (already existing) and MP 30 Gandhi Sagar Upper Reservoir (to be constructed). The project is called Off-Stream project because the proposed reservoir is not located on any river course and the existing Gandhi Sagar reservoir is located across River Chambal. Power generated from the proposed project will be pooled into common pooling station and connected to PGCIL/CTU sub-station for further supply into the National Grid.

Environmental Clearance has been obtained for MP30 Off stream Standalone Pumped Storage component vide order no. J-12011/22/2019-IA.I.(R) dated: 01-12-2021, and its amendment Transfer of EC with dated: 13-02-2023.

An Amendment application was submitted and as recommended by the EAC for Environmental clearance for 1920 MW was pending. Additional details sought for the submission of stage-1 forest clearance for an additional forest land with extent of 17.52 Ha.

2. DETAILS OF THE PROJECT

Proposed MP 30 Gandhi Sagar Off-Stream Pumped Storage Project is in Neemuch District of Madhya Pradesh. It envisages creation of upper reservoir which is located away from all existing natural systems. The project is about 78 Kms from district headquarters Neemuch via MP SH 31A. Nearest railhead and airport are located at Neemuch and Udaipur, respectively. The nearest village to the project is Khemla block about 0.5 Km, which comes under, Rampura tehsil, Neemuch District.

The MP 30 Gandhi Sagar Off stream Pumped Storage project envisages the construction of rockfill embankment with height of 35m for the length of 5561.13m for creation of MP 30 Gandhi Sagar Off-Stream PSP upper reservoir with a 1.80 TMC gross capacity. The Gandhi Sagar reservoir (existing) will be utilised as lower reservoir that is under operation with a gross storage capacity of 258.47 TMC and MP 30 Gandhi Sagar Off Stream PSP is proposed for the live storage capacity of 1.22 TMC. Six nos. of independent Penstock / Pressure Shafts will be taking off from

Intake structure provided with Trash rack and Gates located in MP 30 Gandhi Sagar Off-Stream PSP upper reservoir. Surface Powerhouse will be located on the downstream of the intake structure and shall be equipped with Seven Vertical-axis Reversible Francis type units composed each of generator/motor and a pump/turbine having generated/pumping capacity of Five units of 240 MW / 251 MW and Two Vertical axis Reversible Francis type units of 120 MW / 135 MW, respectively.

3. STATUS OF IMPLEMENTATION OF PROJECT

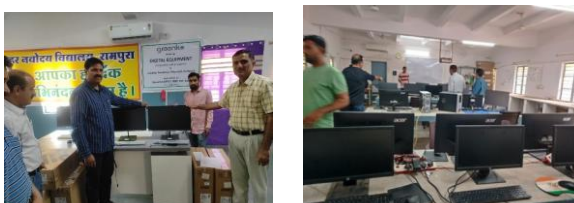
The company has obtained all statutory permissions for initiating the construction works. The construction works for the proposed project has been initiated and excavation works, powerhouse, embarkment and other concrete works are in progress.

4. COMPLIANCE TO THE CONDITIONS OF ENVIRONMENTAL CLEARANCE

S. No.	EC Conditions	Status of Compliance
	Part-A: Additional Conditions	
(i)	Safe and secured passage to empty the reservoir in case of leakage or any catastrophic events shall be carried out.	For safe and secured passage in case of leakage and any catastrophic events a design was considered with bottom outlet construction. To control leaks, a geomembrane is laid over the entire constructed rockfill embarkments. An appropriate Disaster management Plan has been incorporated in the EIA/EMP and the same will be updated in the site-specific ERDMP (Emergency Response and Disaster Management plan) report for the proposed project. Enclosed ERDMP as Annexure-1 .
(ii)	Rainwater harvesting shall be carried out. Surplus water and harvested rainwater shall be used as irrigation in area.	Proactively installed a rainwater collection system on the roofs in the newly constructed executive camp. the design plan includes constructing appropriate recharge pits for water collection, in coordination with Greenstar Enviro Solutions for proper implementation.

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(iii)	Compensatory afforestation done by Forest Department; the survival rate of plant shall maintain more than 95%.	The amount of Rs. 19,54,51,026 has been paid to the forest department against compensatory afforestation and CA scheme shall be implemented by state forest department. A request letter was submitted to DFO Shivpuri for the status of implementation of compensatory afforestation program as enclosed in Annexure-2.												
(iv)	PP shall ensure the Ambient Air Quality Monitoring Stations for real time data display and regularly submit to respective Ro, MoEF&CC.	As required, we are in the process of establishing real time air quality monitoring station at site, A purchase order has been provided, After installation the monitored data will be submitted in the next compliance report.												
(v)	The Environment 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 revision of the project cost or due to price level change, the cost of EMP shall also be updated proportionately.	An EMP cost 11944.74 Lakhs has been earmarked towards implementation of environment management plan. Till now we have spent around Rs. 4655.83 Lakhs. <table><tr><th>EMP Payment Particulars</th><th>Amount (Rs)</th></tr><tr><td>Cost of compensatory afforestation</td><td>19,54,51,026</td></tr><tr><td>NPV</td><td>24,23,48,210</td></tr><tr><td>Conservation plan 80% payment</td><td>2,11,90,000</td></tr><tr><td>LADP</td><td>65,94,265</td></tr><tr><td>Total</td><td>46,55,83,501</td></tr></table>	EMP Payment Particulars	Amount (Rs)	Cost of compensatory afforestation	19,54,51,026	NPV	24,23,48,210	Conservation plan 80% payment	2,11,90,000	LADP	65,94,265	Total	46,55,83,501
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(vi)	The status of compliance will be submitted to the regional Office of the Ministry along with six monthly compliance report.	Compliance reports are submitting to the regional Office of the Ministry every six monthly and last report was submitted on 24.05.2024.												
(vii)	A multi-specialty hospital to cater	For the improvement and development of												

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	the need of people living within 10km radius of the project shall be established.	medical infrastructure under ongoing local area development plan a letter was submitted to the district magistrate or district collector for strengthening the existing government hospitals with medical infrastructure and new facilities. And we are waiting for the guidance and directions on the above. A letter is enclosed as Annexure-3.   
(viii)	Solar lights and associated solar panels be provided to the families living in rural areas within 10km radius of project.	As per the requirement of Panchayat we have provided the Solar lights in the nearest villages Khemla Block, Bassi Ki Bawdi, Salarmala Block, Amarpura Village. Setting up of the solar streetlights for the other project affected villages will be planned in due course. villages in the study that fall within the 10kms radius will be covered.

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(ix)	Computer labs with internet facility shall be established in primary schools within 10km radius of project.	As per the condition the stipulated digital equipment's including Computer's with furniture for setting up the Computer labs is provided to the Govt Primary School located in the nearest project affected villages including Khemla Block, Bassi ki Bawdi, Salarmala Block, Amarpura, and further provided 10 computers with necessary accessories for setting of a state of the art Computer Lab at the Jawahar Navodaya Vidyalaya located at -Rampura.  
(x)	Sport complex with multi- sport facility shall be established. The children's from economically weaker section shall be given free of cost	As per the requirement of the locals, Games & Sports activity is encouraged in local villages including development of playgrounds in the Govt. schools and also

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	sport facility.	relevant sports material is provided to the project villages of Khemla Bock, Bassi ki Bawdi, Amarpura government school. On the construction of Sport complex with multi-sport facility a discussion with district administration is initiated and request for a suitable location, allocation of the Govt land and the nature of the facility is in progress. We are awaiting for further guidance and directions on the above. A letter with communication has enclosed in Annexure-4. 
(xi)	The Multi-Disciplinary Committee needs to be constituted, and the meeting needs to be held at regular interval.	A process has been initiated for formation of multi-disciplinary committee and the requested mail was addressed to IIFM Bhopal awaiting for the approval.
(xii)	PP should establish in house (at project site) environment laboratory for measuring 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.	On establishing an Environment Monitoring Laboratory given the nature of the Project and the resultant temporary pollution caused by the construction activity it is considered that environmental monitoring is being conducted by NABL and QCI accredited third parties i.e Ozone Test House monitoring report. An environmental team has been established at the site, consisting of members with master's degrees in environmental engineering. The team includes: 1. Mr. Shubham Giri 2. Mr. Aanchal Mishra 3. Mr. Dinkar Kumar

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(xiii)	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 environmental impact studies will be conducted through independence agency.
(xiv)	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.	Solid waste is being segregated in site. Use of SUPs shall be avoided at site and necessary awareness has been conducted and it will be continued. 

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(xv)	Necessary permission to be obtained for quarrying construction materials for the project as per the EIA Notification, 2006 and subsequent amendments thereof.	Obtained the excavation material mining permission for the construction material. Enclosed as Annexure-5 .
(xvi)	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.	Presently most of the excavated muck is being utilized for the construction activities such as embankment, roads etc and the remaining muck is being stacked at designated Muck dumping sites. Further based on the recommendations of M.P State Forest Research Institute some amount of muck is also being used for enhancing natural regeneration and plantation in the adjoining forest area. Enclosed M.P SFRI report as Annexure-6. 
(xvii)	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.
(xviii)	A detailed ecological monitoring and survey covering forestry, fisheries, wildlife and its habitat shall be done once in two years. Monitoring report	As stipulated ecological monitoring has been conducted by an accredited third-party agency and the monitoring report will be duly submitted to the RO of MOEF&CC.

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	shall be uploaded on the Parivesh Portal and a copy of the same be submitted to the Regional Office of MoEF&CC.	
(xix)	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.	The private land required for the project is purchased through private negotiations as per the provisions of Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013. Based on the above, the land compensation is paid on mutually agreed terms.
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.	MoEF&CC granted Stage-II approval for the diversion of 301.96 hectares of forest land in Neemuch Forest Division, Neemuch District, Madhya Pradesh. This approval is for the construction of a pumped storage project by M/s Greenko Energies Pvt. Limited. The approval accorded vide file number 8-18/2021-FC Dated June 9, 2023 , and the transfer amendment occurred on April 22, 2024 . Enclosed as Annexure-7 .
(ii)	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable	Not Applicable. As the project is falling outside from the ESZ boundary of Gandhi Sagar WLS. Copy Enclosed as Annexure-8 .
(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	Site specific wildlife conservation plan has been prepared by WII and the same has been approved by the CCF Bhopal with a budget of Rs 211.90 Lakhs has been deposited in the State CAMPA account. A covering letter submitted to CWLW (Bhopal) with CC of local DFO Neemuch for getting status of proposed site-specific conservation plan/wildlife management plan

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	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 Letter is Enclosed in Annexure-9 .																																																																																																						
(iv)	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.	Consent to Establish has been obtained from State Pollution Control Board vide Consent No: CTE-57735 dated: 03.03.2023. Copy of the same is enclosed as Annexure-10 .																																																																																																						
(v)	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDP) of CWC.	CWC NOC Obtained on 10-05-24. Copy of the same is enclosed as Annexure-11 .																																																																																																						
(vi)	Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs.1,000 crores.	CEA Approval is under process and expected approval will be obtained within the month.																																																																																																						
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.	Necessary environmental monitoring has been conducted by NABL and QCI accredited third parties since 15 th June 2024, and the ambient parameters range varies as the below table. Enclosed monitoring reports as Annexure-12 . <table><tr><th>Location</th><th>Range</th><th>PM₁₀ µg/m³</th><th>PM_{2.5} µg/m³</th><th>SO₂ µg/m³</th><th>NO₂ µg/m³</th></tr><tr><td rowspan="3">Rampura town (AAQ-1)</td><td>Max</td><td>75.10</td><td>38.00</td><td>8.60</td><td>10.20</td></tr><tr><td>Avg</td><td>61.79</td><td>30.98</td><td>6.45</td><td>8.47</td></tr><tr><td>Min</td><td>53.00</td><td>26.10</td><td>5.10</td><td>7.20</td></tr><tr><td rowspan="3">Boojh village, (AAQ-2)</td><td>Max</td><td>68.10</td><td>36.80</td><td>7.10</td><td>8.70</td></tr><tr><td>Avg</td><td>57.90</td><td>29.47</td><td>5.59</td><td>7.29</td></tr><tr><td>Min</td><td>50.20</td><td>25.20</td><td>4.70</td><td>6.10</td></tr><tr><td rowspan="3">Khemla Block (AAQ-3)</td><td>Max</td><td>96.00</td><td>69.00</td><td>8.80</td><td>11.10</td></tr><tr><td>Avg</td><td>89.14</td><td>46.66</td><td>6.99</td><td>8.87</td></tr><tr><td>Min</td><td>80.10</td><td>38.00</td><td>5.20</td><td>7.60</td></tr><tr><td rowspan="3">Upper Reservoir (AAQ-4)</td><td>Max</td><td>96.00</td><td>52.00</td><td>9.40</td><td>11.60</td></tr><tr><td>Avg</td><td>91.60</td><td>46.06</td><td>7.07</td><td>9.05</td></tr><tr><td>Min</td><td>85.00</td><td>39.00</td><td>5.40</td><td>7.20</td></tr><tr><td rowspan="3">Power House (AAQ-5)</td><td>Max</td><td>97.00</td><td>57.40</td><td>10.80</td><td>12.80</td></tr><tr><td>Avg</td><td>92.62</td><td>47.84</td><td>7.83</td><td>9.63</td></tr><tr><td>Min</td><td>82.00</td><td>37.00</td><td>5.80</td><td>7.60</td></tr><tr><td rowspan="3">Salarmala Village (AAQ-6)</td><td>Max</td><td>72.60</td><td>35.60</td><td>8.20</td><td>9.60</td></tr><tr><td>Avg</td><td>59.28</td><td>30.05</td><td>6.46</td><td>8.03</td></tr><tr><td>Min</td><td>50.10</td><td>26.20</td><td>5.20</td><td>6.50</td></tr></table>	Location	Range	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	Rampura town (AAQ-1)	Max	75.10	38.00	8.60	10.20	Avg	61.79	30.98	6.45	8.47	Min	53.00	26.10	5.10	7.20	Boojh village, (AAQ-2)	Max	68.10	36.80	7.10	8.70	Avg	57.90	29.47	5.59	7.29	Min	50.20	25.20	4.70	6.10	Khemla Block (AAQ-3)	Max	96.00	69.00	8.80	11.10	Avg	89.14	46.66	6.99	8.87	Min	80.10	38.00	5.20	7.60	Upper Reservoir (AAQ-4)	Max	96.00	52.00	9.40	11.60	Avg	91.60	46.06	7.07	9.05	Min	85.00	39.00	5.40	7.20	Power House (AAQ-5)	Max	97.00	57.40	10.80	12.80	Avg	92.62	47.84	7.83	9.63	Min	82.00	37.00	5.80	7.60	Salarmala Village (AAQ-6)	Max	72.60	35.60	8.20	9.60	Avg	59.28	30.05	6.46	8.03	Min	50.10	26.20	5.20	6.50
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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.	Necessary control measures like water sprinkling to control dust, water fog machines have been installed to further reduce dust levels. Also, sprinklers are installed at various stored materials, such as aggregate and sand, to suppress dust. Current evidence enclosed as Annexure-13. 
iii.	Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.	Necessary control measures like water sprinkling arrangements, fog machines, etc. are taken up to mitigate fugitive dust at all the construction sites  
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	Not Applicable, as the project is an Off-Stream Pumped Storage Project and not a run-off river project.

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	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.																																																																																																																																																																							
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.	Being Complied.																																																																																																																																																																						
ii	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during daytime and 70dB(A) during nighttime.	Necessary Noise Quality monitoring has been conducted since 24th June 2024, and the Noise quality parameters range varies as the below. Enclosed Noise monitoring reports as Annexure-14. <table><tr><th rowspan="3">S NO.</th><th rowspan="3">Month</th><th colspan="14">Area</th></tr><tr><th colspan="2">Rampura</th><th colspan="2">Bhoojh</th><th colspan="2">Upper</th><th colspan="2">Power</th><th colspan="2">Khemla</th><th colspan="2">Salarmala</th></tr><tr><th>Day Time</th><th>Night Time</th><th>Day Time</th><th>Night Time</th><th>Day Time</th><th>Night Time</th><th>Day Time</th><th>Night Time</th><th>Day Time</th><th>Night Time</th><th>Day Time</th><th>Night Time</th></tr><tr><td>1</td><td>June</td><td>61.3</td><td>48.2</td><td>59.8</td><td>46.3</td><td>71.3</td><td>70.0</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td>July</td><td>63.4</td><td>47.1</td><td>57.6</td><td>47.5</td><td>71.2</td><td>63.3</td><td>70.9</td><td>61.7</td><td>70.6</td><td>60.4</td><td>62.4</td><td>51.2</td></tr><tr><td>3</td><td>August</td><td>60.1</td><td>45.2</td><td>58.4</td><td>43.7</td><td>70.1</td><td>54.2</td><td>72.3</td><td>65.4</td><td>69.6</td><td>55.4</td><td>61.6</td><td>48.4</td></tr><tr><td>4</td><td>September</td><td>61.2</td><td>46.2</td><td>59.3</td><td>44.4</td><td>71.0</td><td>57.4</td><td>72.9</td><td>64.6</td><td>68.8</td><td>56.1</td><td>60.9</td><td>47.2</td></tr><tr><td>5</td><td>October</td><td>62.2</td><td>47.1</td><td>60.1</td><td>45.2</td><td>71.8</td><td>59.1</td><td>73.2</td><td>65.5</td><td>69.2</td><td>57.4</td><td>61.2</td><td>45.7</td></tr><tr><td>6</td><td>November</td><td>61.3</td><td>45.2</td><td>58.1</td><td>43.5</td><td>70.1</td><td>58.2</td><td>70.4</td><td>64.4</td><td>67.4</td><td>56.3</td><td>59.2</td><td>42.7</td></tr><tr><td></td><td>Max</td><td>63.4</td><td>48.2</td><td>60.1</td><td>47.5</td><td>71.8</td><td>70.0</td><td>73.2</td><td>65.5</td><td>70.6</td><td>60.4</td><td>62.4</td><td>51.2</td></tr><tr><td></td><td>Avg</td><td>61.8</td><td>46.7</td><td>59.1</td><td>45.4</td><td>71.0</td><td>61.7</td><td>72.2</td><td>64.5</td><td>69.4</td><td>57.7</td><td>61.3</td><td>47.7</td></tr><tr><td></td><td>Min</td><td>60.1</td><td>45.2</td><td>57.6</td><td>43.5</td><td>70.1</td><td>54.2</td><td>70.4</td><td>61.7</td><td>67.4</td><td>55.4</td><td>59.2</td><td>42.7</td></tr></table>	S NO.	Month	Area														Rampura		Bhoojh		Upper		Power		Khemla		Salarmala		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	1	June	61.3	48.2	59.8	46.3	71.3	70.0							2	July	63.4	47.1	57.6	47.5	71.2	63.3	70.9	61.7	70.6	60.4	62.4	51.2	3	August	60.1	45.2	58.4	43.7	70.1	54.2	72.3	65.4	69.6	55.4	61.6	48.4	4	September	61.2	46.2	59.3	44.4	71.0	57.4	72.9	64.6	68.8	56.1	60.9	47.2	5	October	62.2	47.1	60.1	45.2	71.8	59.1	73.2	65.5	69.2	57.4	61.2	45.7	6	November	61.3	45.2	58.1	43.5	70.1	58.2	70.4	64.4	67.4	56.3	59.2	42.7		Max	63.4	48.2	60.1	47.5	71.8	70.0	73.2	65.5	70.6	60.4	62.4	51.2		Avg	61.8	46.7	59.1	45.4	71.0	61.7	72.2	64.5	69.4	57.7	61.3	47.7		Min	60.1	45.2	57.6	43.5	70.1	54.2	70.4	61.7	67.4	55.4	59.2	42.7
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V. Waste management																																																																																																																																																																								
i	Muck disposal be carried out only in	Total quantity of muck is generated from the																																																																																																																																																																						

S. No.	EC Conditions	Status of Compliance
	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.	project is 16.05M cum and 8.03 cum is utilized for the construction activities such as embankment, roads etc and the remaining muck is being stacked at designated Muck dumping sites. Further, based on the recommendations of M.P State Forest Research Institute some amount of muck is also being used for enhancing natural regeneration and plantation in the adjoining forest area. 
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.	Solid waste is being segregated at site. Use of SUPs shall be avoided at site and necessary awareness has been conducted and it will be continued.
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.	Site specific wildlife conservation plan has been prepared by WII and the same has been approved by the CCF Bhopal with a budget of Rs 211.90 Lakhs has been deposited in the State CAMPA account. A covering letter submitted to CWLW (Bhopal) with CC of local DFO Neemuch for getting status of proposed site-specific conservation plan/wildlife management plan A Letter is Enclosed in Annexure- 9.
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	Initiated process of necessary plantations around the project and its surrounding areas at site evidence is follows.

S. No.	EC Conditions	Status of Compliance
	species in consultation with the local State Forest Department.	
iii	Compensatory afforestation programme shall be implemented as per the plan approved.	The amount of Rs. 19,54,51,026 has been paid to the forest department against compensatory afforestation and CA scheme shall be implemented by state forest department. A request letter was submitted to DFO Shivpuri for the status of implementation of compensatory afforestation program as enclosed in Annexure-2.
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.	There is no displacement involved in the project. Hence no resettlement is involved. Only partial land holding is being acquired and Rehabilitation provisions have been earmarked in the EMP report.
ii	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.	Budget provisions are made for the community and social development under the overall EMP for the head of Local Area Development Plan (LADP) on which a total amount of Rs 15.00 Crores is allocated and the welfare activity as per the LADP are being implemented in phases. So far an amount of Rs. 65,94,265 is already utilized for the various development activities. Further development activity worth of Rs. 1.40 Cr are planned and under implementation. LADP status report enclosed as Annexure-15.
iii	Preventive measures viz. fuming and spraying of mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnated pools to avoid creation of breeding grounds	Presently preventive control measures like sparing and fuming in the camp office, labour colonies and stagnated pools are in progress.

S. No.	EC Conditions	Status of Compliance
	of the vector borne diseases.	
iv	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	As per the stipulation, provision has been made for housing of labour and necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care etc are being provided.   
v	Labour force to be engaged for construction works shall be examined thoroughly and adequately treated before issuing them work permit. Medical facilities shall be provided at the construction sites.	Pre-Medical examination is done before deputing them for construction works and First Aid facilities are available in the project site.
vi	Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.	As the project is pumped storage project the project is not located at any river course, so the early warning telemetric system is not envisaged.
vii	Emergency preparedness plan be	Emergency preparedness response plan has

S. No.	EC Conditions	Status of Compliance
	made for any eventuality of the dam failure and shall be implemented as per the Disaster Management Plan	been prepared and approved by the management, and enclosed ERDMP report as Annexure-1.
	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.	As per the Ministry's OM Vide F.No. 22-06/2017-1 A. III dated 30.09.2020 on the subject specific conditions are included that address the concerns raised by the local people. The specific conditions are under implementation. Further to address the overall socio-economic development of the local communities a detailed Local Area Development Plan (LADP) with set of social welfare measures and relevant budget allocations is included in the EMP which is being implemented in consultation with the local Gram Panchayats and District Administration. Status report of the LADP is enclosed as Annexure-15.
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	In Phase-I the skill development training for about 25 local youth from the Project affected villages is being planned. The training is proposed to be given in various trades at the ITI Centre located at Rampura. The discussions with the concerned authorities are in progress and discussion for the action plan with the training schedule is in the finalization stage and copy of the ongoing communication and its acknowledgment is attached Enclosed as Annexure-16.
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 /	Greenko has a Sustainability Policy which covers Business, Environmental, Social and Biodiversity parameters. Sustainability and ESMS Policy are enclosed as Annexure-17.

S. No.	EC Conditions	Status of Compliance												
	violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.													
iv	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.	A separate Environmental Cell has been established at both the project and corporate head quarter level, with team members holding master’s degree in environmental engineering. The Site team consists of the following members who report to the Project director and HO environment team: 1. Mr. Shubham Giri. 2. Mr. Anchal Mishra. 3. Mr. Dinkar Kumar												
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.	An EMP cost 11944.74 Lakhs has been earmarked towards implementation of environment management plan. Till now we have spent around Rs. 4655.83 Lakhs. <table><tr><th>EMP Payment Particulars</th><th>Amount (Rs)</th></tr><tr><td>Cost of compensatory afforestation</td><td>19,54,51,026</td></tr><tr><td>NPV</td><td>24,23,48,210</td></tr><tr><td>Conservation plan 80% payment</td><td>2,11,90,000</td></tr><tr><td>LADP</td><td>65,94,265</td></tr><tr><td>Total</td><td>46,55,83,501</td></tr></table>	EMP Payment Particulars	Amount (Rs)	Cost of compensatory afforestation	19,54,51,026	NPV	24,23,48,210	Conservation plan 80% payment	2,11,90,000	LADP	65,94,265	Total	46,55,83,501
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vi	Post EIA and SIA be prepared for the project through a third party and	As stipulated, we will prepare EIA and SIA report through Third party after five years of												

S. No.	EC Conditions	Status of Compliance
	evaluation report be submitted to the Ministry after five years of commissioning of the project.	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.	A process has been initiated for formation of multi-disciplinary committee and the requested mail was addressed to IIFM Bhopal awaiting for the approval.
	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.	The abstract of Environmental Clearance was published in two widely circulated daily newspapers one in vernacular language i.e. Hindi in Malwa today dt. 24.12.2021, one in English language i.e. The Times dt. 05.01.2022 in main edition. The copy of the same is enclosed as Annexure-18 .
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.	The 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-19 .
iii	The project proponent shall upload the status of compliance of the stipulated environment clearance	As stipulated, the status of environmental clearance conditions, including results of monitored data are submitting in the

S. No.	EC Conditions	Status of Compliance																						
	conditions, including results of monitored data on their website and update the same on half-yearly basis.	website on timely basis.																						
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.	Compliance reports are submitting to the regional Office of the Ministry every six monthly and last report was submitted on 24.05.2024 <table><tr><td colspan="2">Your (Environment Clearance) application has been Submitted with following details</td></tr><tr><td>Proposal No</td><td>IA/MP/RV/124890/2019</td></tr><tr><td>Compliance ID</td><td>70457031</td></tr><tr><td>Compliance Number(For Tracking)</td><td>EC/M/COMPLIANCE/70457031/2024</td></tr><tr><td>Reporting Year</td><td>2024</td></tr><tr><td>Reporting Period</td><td>01 Jun(01 Oct - 31 Mar)</td></tr><tr><td>Submission Date</td><td>24-05-2024</td></tr><tr><td>IRO Name</td><td>Shri Ashok Kumar Sinha</td></tr><tr><td>IRO Email</td><td>tg035@rft.nic.in</td></tr><tr><td>State</td><td>MADHYA PRADESH</td></tr><tr><td>IRO Office Address</td><td>Integrated Regional Offices, Bhopal</td></tr></table> Note:- SMS and E-Mail has been sent to Shri Ashok Kumar Sinha, MADHYA PRADESH with Notification to Project Proponent.	Your (Environment Clearance) application has been Submitted with following details		Proposal No	IA/MP/RV/124890/2019	Compliance ID	70457031	Compliance Number(For Tracking)	EC/M/COMPLIANCE/70457031/2024	Reporting Year	2024	Reporting Period	01 Jun(01 Oct - 31 Mar)	Submission Date	24-05-2024	IRO Name	Shri Ashok Kumar Sinha	IRO Email	tg035@rft.nic.in	State	MADHYA PRADESH	IRO Office Address	Integrated Regional Offices, Bhopal
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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.	Agreed, Form – V will be submitted ‘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.	As stipulated, we will inform the Regional Office as well as the Ministry, the milestones of the project through Half – yearly compliance reports.																						
vii	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	We hereby assure that we will adhere to the stipulations made by the State Pollution Control Board and the State Government																						
viii	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that	We hereby assure that we will abide by all the commitments and recommendations made in the EIA / EMP report, commitment made during Public Hearing and also that during their presentation to the Expert																						

S. No.	EC Conditions	Status of Compliance
	during their presentation to the Expert Appraisal Committee.	Appraisal Committee.
ix	No further expansions or modifications in the plant shall be carried out without prior approval of the Ministry of Environmental, Forest and Climate Change (MOEF&CC).	An extent of 17.5272 Ha of additional forest land only required. The Project screening committee (PSC) has recommended above additional forest land requirement in its meeting held on 19.07.2024. Though Additional Forest Land Proposal for 17.5272 Ha has been submitted to MoEFCC, the net diverted forest land shall be only 3.6549 Ha considering adjustment in forest land unutilized and area under Gandhi Sagar Reservoir below FRL. With marginal increase in 3.6549 Ha, the project installed capacity was optimized from 1440 MW to 1920 MW. It is also pertinent to mention that the private land requirement of 100.54 Ha remains the same in both the cases.
x	Concealing factual data or submission of false / fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	We hereby assure that we will not hide any data and submit false data.
xi	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
xii	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	We hereby assure that we will complete these conditions in a time bound manner.
xiii	The Regional Office of this Ministry shall monitor compliance of the	We hereby assure that we will extend full cooperation to the officer (s) of the Regional

S. No.	EC Conditions	Status of Compliance
	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.	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 Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	Noted.
xv	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.

ANNEXURES

Annexure no.	Annexure
1	ERDMP Report
2	Request Letter to DFO for the Status of CA implementation
3	Request letter to District Collector for Medical Infrastructure development
4	Request letter to District Collector for Sports Infrastructure development
5	CTO & Mining Plan for Construction materials
6	SFRI REPORT
7	Forest clearance copy
8	WL NOC ESZ Boundary
9	Request letter for implementation status of conservation plan
10	Consent For Establishment (CFE)
11	NCSDS OF CWC 160623
12	Latest Environmental Monitoring Reports (Sept_Oct_Nov)
13	Current Evidence of Environmental Measures
14	Noise Monitoring Reports
15	Status Report on LADP Activity at MP30 Gandhisagar PSP 09-12-2024
16	Request Letter for Skill development and tranings
17	Greenko Sustainability & ESMS Policy
18	EC Advertisement Copy
19	Ack of EC Displayed at local bodies.