



रतले हाइड्रोइलेक्ट्रिक पावरकॉर्पोरेशन लिमिटेड
(एनएचपीसी लिमिटेड और जेकेएसपीडीसी लिमिटेड का एक संयुक्त उद्यम)
RATLE HYDROELECTRIC POWER CORPORATION LIMITED
(A Joint Venture of NHPC Limited and JKSPDC Limited)

ANNEXURE-I

850MW RATLE HE PROJECT, DISTRICT KISHTWAR, UT JAMMU AND KASHMIR

SIX MONTHLY COMPLIANCE REPORT ON ENVIRONMENTAL ASPECTS
(for the period April 2024 to September 2024)

1	Name of Project	Ratle Hydro-Electric Project (850MW)
2	Type of Project	Hydro-Electric Project (Run of the River scheme)
3	Clearance letters OM No. and date (a) Environment Clearance (b) Forest Clearance	(a) MoEF&CC letter No. J-12011/39/2010-IA.1 dated 12.12.2012 MoEF&CC letter No. J-12011/39/2010-IA.1 dated 27.09.2021 (approval accorded for transfer of EC in the name of RHPCL). (b) Order No. 234-FST of 2012 dated 27.04.2012 of GOJK (for diversion of 138.93 Ha Forest land) and No. 108-FST of 2014 dated 05.03.2014 of GOJK (for diversion of 29.13 Ha Forest land). Vide communication No. 15-01/2021-Jammu dated 08.03.2022, approval accorded by MoEF&CC, GOI for change of User Agency from JKSPDC to RHPCL.
4	Locations (a) District(s) (b) State (c) Latitude (d) Longitude	(a) Kishtwar (b) Jammu and Kashmir (c) 33°10'43" N (d) 75°48'26" E

(Handwritten signatures)



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5	<p>Address for Correspondence</p> <p>(a) Address of concerned Project Head (with Pin code, Telephone/Fax no.)</p> <p>(b) Address of concerned HOD in Corporate Office (with Pin code, Telephone/Fax no.)</p>	<p>(a) Chief Executive Officer Ratle Hydroelectric Power Corporation Ltd. Ratle HE Project Shalimar Colony, Tehsil and District - Kishtwar, UT Jammu and Kashmir Pin code- 182 204 Telephone:- 01995-295171 email id: rhpc@nhpc.nic.in</p> <p>(b) Regd. Office: Chief Executive Officer Ratle Hydroelectric Power Corporation Ltd. Room No. 08, Block No. 02, NHPC Regional Office, JDA Commercial Complex No. 01, Narwal, Jammu (UT J&K) - 180 006 email id: rhpc@nhpc.nic.in</p>																														
6	Details of Environmental Management Plan	<p>Environmental Management Plans to be implemented at the Project as provided in the EMP Report are as follows:</p> <table border="1" data-bbox="901 1218 1429 1890"><thead><tr><th>Sl.No.</th><th>Environmental Management Plan</th></tr></thead><tbody><tr><td>1</td><td>Biodiversity Management Plan</td></tr><tr><td>2</td><td>Catchment Area Treatment Plan</td></tr><tr><td>3</td><td>Fishery Development and Management Plan</td></tr><tr><td>4</td><td>Solid Waste Management Plan</td></tr><tr><td>5</td><td>Public Health Delivery System</td></tr><tr><td>6</td><td>Energy Conservation Measures</td></tr><tr><td>7</td><td>Muck Disposal Plan</td></tr><tr><td>8</td><td>Landscaping & Restoration of Quarry & Construction Areas</td></tr><tr><td>9</td><td>Air & Water Environment Management Plan</td></tr><tr><td>10</td><td>Reservoir Rim Treatment Plan</td></tr><tr><td>11</td><td>Compensatory Afforestation Plan</td></tr><tr><td>12</td><td>Rehabilitation & Resettlement Plan</td></tr><tr><td>13</td><td>Dam Break Modelling & Disaster Management Plan</td></tr><tr><td>14</td><td>Local Area Development Plan</td></tr></tbody></table>	Sl.No.	Environmental Management Plan	1	Biodiversity Management Plan	2	Catchment Area Treatment Plan	3	Fishery Development and Management Plan	4	Solid Waste Management Plan	5	Public Health Delivery System	6	Energy Conservation Measures	7	Muck Disposal Plan	8	Landscaping & Restoration of Quarry & Construction Areas	9	Air & Water Environment Management Plan	10	Reservoir Rim Treatment Plan	11	Compensatory Afforestation Plan	12	Rehabilitation & Resettlement Plan	13	Dam Break Modelling & Disaster Management Plan	14	Local Area Development Plan
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		15	CSR Activities
		16	Local Skill Development Plan
		17	Environmental Monitoring Programme
7	Breakup for Project area (Land details)	Forest Land	: 138.93 ha
		Private Land	: 55.52 ha
		State/Govt. Land	: 233.96 ha
		River Bed land	: 138.81 ha
		Total Land	: 567.22 ha
		Note:- i) Above land details are as per GOJK Order No. 55-JK(PDD) of 2022 dated 10.05.2022. ii) Vide GOJK Order No.108-FST of 2014 dated 05.03.2014, sanctioned has been accorded for diversion of 29.13ha social forestry land, which is part of 233.96ha State land mentioned above.	
8	Breakup of Project affected population with enumerations of those losing house/dwelling units only, agriculture land only, both house and agriculture land and landless labours / artisans. (a) SC/ST/Adivasis (b) Others	Details of PAFs Displaced PAFs : 31 Non Displaced PAFs : 270 Total PAFs : 301 a) Scheduled Tribe : 17 families b) Rural Artisans/ Small Traders : 62 families (Above details are as per updated R&R Plan of Ratle HE Project approved by GOJK on dated 16.08.2024)	
9	Financial Details (a) Project cost as originally planned and subsequent revised estimates and the year of price reference (b) Actual expenditure incurred on the Project so far	a) Original TEA approved cost (2012): Rs. 5517.02 Cr (completion cost) Cabinet Investment sanction approved (2021): Rs.5281.94Cr (Nov 2018 PL) b) Actual expenditure The cost of work done on the Project at the time of its taking over by JVC (as assessed by IIT, Delhi) : 120.86 Cr Expenditure incurred by RHPCL : Rs. 751.06 Cr (till September 2024)	

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	<p>(c) Allocation made for Environment Management Plan</p> <p>(d) Actual expenditure incurred on EMP so far</p>	<p>Allocations for EMP : Rs. 262.35 Cr (as approved by MoEF&CC)</p> <p>Details of expenditure already incurred on EMP prior to formation of RHPCL i.e. 01.06.2021 shall be suitably updated upon receipt of records from JKSPDC.</p> <p>The details of expenditure incurred on EMP upto September 2024 as available with the Project is given below:-</p> <p>i) Payment released on account of Forest Clearance: Rs.1773.07 Lakh (including Rs.179.71 Lakh on account of Compensatory Afforestation Programme)</p> <p>ii) R&R Plan : Rs.10.25 Cr</p> <p>iii) Solid Waste Management Plan* : Rs.21.52 Lakh</p> <p>iv) Public health delivery system* : Rs.317.12 Lakh (includes Rs.1.50 Crore paid by RHPCL to District Administration in August 2024)</p> <p>v) Energy Conservation measure* : Rs.90.06 Lakh</p> <p>vi) CAT Plan : Rs. 15.34 Lakh</p> <p>vii) Muck Disposal Plan* : Rs.10.97 Cr</p> <p>viii) CSR Plan : Rs.62.15 Lakh</p> <p>ix) Air & Water Environment Management Plan*: Rs. 141.69 Lakh</p> <p>x) Environmental Monitoring Programme*: Rs.21.01 Lakh</p> <p>*also includes the expenditure incurred by Contractor as per the Contract Agreement</p>
10	<p>Forest Land Requirements</p> <p>(a) Status of approval for diversion of Forest Land for non-forestry use</p>	<p>(a) Sanction accorded by GOJK for diversion of 138.93 Ha Forest land for use vide Order No. 234-FST of 2012 dated 27.04.2012 and for use of 29.13 Ha Social Forestry land vide Order No. 108-FST of 2014 dated 05.03.2014. Vide communication No. 08.03.2022, approval accorded by MoEF&CC, GOI for change of User Agency from JKSPDC to RHPCL.</p>

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	(b) The status of clear felling of trees in Forest Land	(b) Clear felling status:- The status shall be suitably updated upon receipt of records from JKSPDC.
11	Status of Construction (a) Date of commencement (actual and/or planned) (b) Date of completion (actual and/or planned)	The work for Turnkey Execution of Ratle HE Project has been awarded to M/s MEIL on 18.01.2022. (a) Date of commencement of major works of the Project (actual): 18.01.2022 (b) Date of completion (planned): 10.02.2026 (60 months from the date of Investment approval).
12	Reasons for the delay (If the Project is yet to be started)	Not Applicable. (As per Cabinet Investment sanction dated 11.02.2021, Ratle HE Project is to be executed by JV of NHPC and JKSPDC with completion period of 60 months from the date of Investment approval)
13	Details of Site visits (a) By Monitoring Committee (b) By Regional Office	----- The inspection of Project was made by MoEF&CC, Sub Regional Office, Jammu on 06.05.2024.
14.	Brief note on the status of compliance of the conditions stipulated by MOEF&CC	Details enclosed as Appendix-I .

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Appendix-I

STATUS OF COMPLIANCE OF CONDITIONS STIPULATED BY MoEF&CC, GOVT OF INDIA

(Environment Clearance letter No. J-12011/39/2010-IA.I dated 12.12.2012 and No. J-12011/39/2010-IA.I dated 27.09.2021)

Sl. No.	Specific Conditions	Compliance Status																																																												
i	<p>The Catchment Area Treatment (CAT) Plan as proposed in the EIA/EMP Report shall be undertaken in consultation with the State Forest Department and major work shall be completed before impounding of reservoir.</p> <table border="1"><thead><tr><th>Item</th><th>I Year</th><th>II Year</th><th>III Year</th><th>IV Year</th><th>Total</th></tr></thead><tbody><tr><td colspan="6">Biological Measures</td></tr><tr><td>Afforestation (ha)</td><td>2243</td><td>1747</td><td>923</td><td>-</td><td>4913</td></tr><tr><td>Enrichment Plantation (ha)</td><td>-</td><td>112</td><td>79</td><td>-</td><td>191</td></tr><tr><td>Pasture Development</td><td>-</td><td>376</td><td>195</td><td>-</td><td>591</td></tr><tr><td>Nursery Development (Nos)</td><td>3</td><td>-</td><td>-</td><td>-</td><td>3</td></tr><tr><td>Watch & ward (Nos)</td><td>240</td><td>240</td><td>240</td><td>240</td><td>960</td></tr><tr><td colspan="6">Engineering Measures</td></tr><tr><td>Contour Bunding (ha)</td><td>434</td><td>409</td><td>324</td><td>171</td><td>1338</td></tr><tr><td>Check Dams (NOs)</td><td>50</td><td>25</td><td>30</td><td>20</td><td>125</td></tr></tbody></table>	Item	I Year	II Year	III Year	IV Year	Total	Biological Measures						Afforestation (ha)	2243	1747	923	-	4913	Enrichment Plantation (ha)	-	112	79	-	191	Pasture Development	-	376	195	-	591	Nursery Development (Nos)	3	-	-	-	3	Watch & ward (Nos)	240	240	240	240	960	Engineering Measures						Contour Bunding (ha)	434	409	324	171	1338	Check Dams (NOs)	50	25	30	20	125	<ul style="list-style-type: none">- J&K Forest Department was requested vide letter No. RATLE/CEO/Env/ 2022/271 dated 04.07.2022 for implementation of CAT Plan.- CAT Plan was again submitted to J&K Forest Department vide letter dated 29.09.2022.- In order to review and finalize the CAT Plan, following meetings were held by the J&K Forest Department:<ul style="list-style-type: none">- by Nodal Officer(FCA)/CCF, J&K on dated 25.11.2022.- by Director, Department of Soil and Water Conservation, J&K on dated 30.01.2023.- by Additional PCCF, Jammu on dated 01.02.2023.- It was suggested by the J&K Forest Department to make the CAT Plan site specific as per the relevant working Plans and to justify the area to be treated with respect to the catchment, along with ground truthing.- Accordingly, vide LOA dated 17.05.2024, the Consultancy services of National Environmental Engineering Research Institute (NEERI), Nagpur have been hired for formulating a comprehensive site specific CAT Plan.- The field surveys for ground truthing have been carried out by teams of Scientists from NEERI. The microplanning of CAT Plan is
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		<p>under progress and the draft CAT Plan is likely to be submitted by NEERI very soon.</p> <ul style="list-style-type: none">- After obtaining approval from PCCF(HoFF), J&K/ GOJK, the implementation of CAT Plan shall be started through J&K Forest Department.
ii	All the commitments made during the public hearing shall be fulfilled completely.	<ul style="list-style-type: none">- The R&R Plan of the Project was approved by GOJK in 2013 after consultations with all stakeholders and duly considering the aspirations and demands of local people.- As per provisions of MoU, the rates of various benefits contained in R&R Plan of Project have been updated.- The updated R&R Package of Ratle HE Project has been approved by Govt. of Jammu and Kashmir, vide Order dated 16.08.2024, for total cost of Rs.120.3216 Crore.- The R&R Plan, Local Area Development Plan, Skill Development Activities and the CSR Activities have been taken up for implementation through Commissioner R&R (Deputy Commissioner, Kishtwar).- An amount of Rs.10.25 Crore stands already released in favour of Commissioner R&R for the above purpose.- As envisaged in the Govt. Order, the implementation of R&R Package has been initiated through Commissioner, R&R (Deputy Commissioner, Kishtwar).- The provision for required funds has also been kept by RHPCL for ensuring timely implementation of R&R Package.

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iii	<p>The details of land holding of project affected persons whose land is being acquired shall be submitted to this ministry. The R&R benefits for the land losing households will be as per the National Rehabilitation and Resettlement Policy, 2007 (NRRP, 2007) or as per the State Rehabilitation and Resettlement Policy, whichever is higher. Adequate publicity of the compensation package shall be made in the affected villages.</p>	<ul style="list-style-type: none">- R&R Package for Ratle HE Project was sanctioned by GOJK in 2013 vide Order No. 91-PDD of 2013 dated 21.03.2013 for a total amount of Rs. 110.00 Crore.- The above R&R Package includes the Rehabilitation and Resettlement Plan (Rs. 20.00 Crore) prepared on the basis of NRRP 2007, Local Area Development Plan including Skill Development Plan (Rs. 60.00 Crore) and Corporate Social Responsibility Plan (Rs.30.00 Crore).- As per R&R Plan approved by GOJK in 2013, the Deputy Commissioner, Kishtwar has been appointed as Commissioner R&R for implementation of R&R Plan.- A part of R&R benefits as per approved Plan of 2013 stand already released to the beneficiaries.- Now, as per MoU, the rates of various benefits contained in R&R Plan have been updated.- The updated R&R Package of Ratle HE Project has been approved by Govt. of Jammu and Kashmir, vide Order dated 16.08.2024, for total cost of Rs.120.3216 Crore.- The implementation of R&R Package has been initiated through Commissioner, R&R (Deputy Commissioner, Kishtwar).
iv	<p>A Monitoring Committee for R&R shall be constituted which must include representatives of project affected persons from SC/ST category and a women beneficiary.</p>	<ul style="list-style-type: none">- Earlier, the R&R Monitoring Committee for Ratle HE Project was constituted by GOJK in 2014 vide Order dated 12.02.2014.- Now, after approval of revised R&R Plan by GOJK in August 2024, the Commissioner R&R (Deputy Commissioner, Kishtwar) has been requested for constitution of Monitoring Committee vide letter No. RATLE/CEO/2024/E-70 dated 16.11.2024.

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v	<p>Consolidation and compilation of muck shall be carried-out only in the designated muck dumping sites as submitted in the EIA/EMP report. As per the proposed muck disposal plan, out of 24.4 lakh m³ of muck to be generated due to excavation, about 50% (i.e. 12.2 lakh m³) will be utilized for construction purpose and the remaining 12.2 lakh m³ will be dumped at the 3 designated areas in an allocated area of 30.59 ha. The identified muck dumping sites shall be at-least 30m horizontally away from the edge of the river corresponding to high flood level (HFL).</p>	<ul style="list-style-type: none">- Three (03) designated muck disposal sites with area 30.59 Ha stand handed over to M/s MEIL for proper disposal of muck.- Muck Disposal sites -I & II (downstream of Dam site) on right bank and left bank of river respectively, have been utilized by the Contractor for dumping of the muck.- As per the details provided by the Contractor, substantial amount of generated muck has been utilized by the Contractor in processing of aggregates, Tunnel works, construction of approach roads, protection works, Crate walls, RR Masonry walls etc.- Some part of generated muck has been temporarily stacked by MEIL along the river bank on right side and then across the river for construction of coffer dykes/Dams, so as to isolate river area for construction of Main Dam.- The Contractor has confirmed that temporarily stacked muck/ muck dumped on the right bank of river will be suitably retrieved and relocated for use in the Project construction works.- However, to avoid any spillage of muck into the river, the dumping of muck on the right bank of river Chenab has been stopped since July 2024 under intimation to the District Administration/ GOJK.- Further, an alternative location within the acquired Project land in Joshana village has been identified which is far away from the river (almost 8 km away) and the said location is being utilized by the Contractor for temporary storage/ stacking of muck.- The same has been intimated to MoEF&CC and J&K pollution Control Committee in the compliance reports, for kind information.
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vi	Muck dumping sites should be handed over to Forest Department only after restoration including plantations etc.	<ul style="list-style-type: none">- After completion of Project works, the muck disposal sites shall be suitably rehabilitated by way of plantation and other engineering & biological measures.- Further, the Muck dumping sites shall be handed over to J&K Forest Department after their complete restoration.
vii	A provision of an additional unit of 30 MW has been made in the project, which will be running for 24 hours continuously to maintain a minimum discharge of 33.43, cumecs/sec, during the lean season from November-February (About 27% of lean season) at the downstream, shall be strictly adhered-to. Monsoon flow shall be at least 30% of the Monsoon discharge.	<p>Shall be complied</p> <ul style="list-style-type: none">- The Project is under construction phase and additional unit of 30 MW is also a part of the Project.- This additional unit of 30 MW shall be installed in the project before its commissioning, which will be running for 24 hours continuously to maintain a minimum discharge of 33.43, cumecs/sec, during the lean season.
viii	An Auto mechanism / by pass arrangement in dam design shall be made to ensure release of environmental flow water in event of the 30 MW turbine or when it is put under maintenance.	<p>Shall be complied</p> <ul style="list-style-type: none">- To ensure continuous release of environmental flow, the maintenance of 30MW turbine shall be planned only in Monsson season when all main Units are in operation 24X7.- Also to ensure continuous release of environmental flow in the event of 30MW turbine being under maintenance, the provision has been kept in Plant Control & Monitoring (SCADA) system for control of reservoir level and downstream release consideration for environmental flow.

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ix	Continuous Monitoring system for environmental flow measurement shall be installed and data shall be displayed at appropriate site for information of civil society, stake holders and regulators. Six monthly results shall be submitted to the regional Office of the Ministry and SPCB.	Shall be complied <ul style="list-style-type: none">- The Dam is not yet constructed, as such, the river is flowing with its normal seasonal discharge.- The continuous monitoring system for environmental flow measurement shall be installed once the Dam structure is completed.- Accordingly, the data related to environmental flow shall be submitted to sub Regional office of Ministry, on regular basis.
x	Real time telemetry and data acquisition system including all weather hydro metrological stations shall be installed for in-flow monitoring and advance flood warning. Advance flood warning and advance communication systems shall be installed in consultation with the downstream District Authorities.	<ul style="list-style-type: none">- An Automatic Water Level Recorder (AWLR) has been installed on river Chenab (upstream of Dam site), as part of Early Flood Warning System and the data is being monitored in real time and stored at NHPC Master Control Room.- An All-Weather Station has also been installed by the Project at the colony area and the data is being collected round the clock.
xi	As proposed in the EMP, the compensatory Afforestation Programme on 277.84 ha of land with 13 plant species shall be undertaken in consultation with the State Forest Department. Native species should be preferred in plantation. The allocated grant of Rs.1467.59 lakhs for this purpose shall be fully utilized and not to be diverted for any other purpose.	<ul style="list-style-type: none">- An amount of Rs. 1.79 Crore has been deposited with J&K Forest Department (in 2012 and 2014) towards Compensatory Afforestation Programme for Ratle HE Project.- The Forest Department must have completed the works under Compensatory Afforestation Programme.- In this regard, J&K Forest Department has been requested to provide the physical and financial progress of the works competed under the said programme (Ref: letter No. RATLE/GM(E)/2023/E-39 dated 16.10.2023, No. RATLE/CE/2024/E-47 dated 12.08.2024 and No. RATLE/CEO/2024/E-77 dated 02.12.2024).- In this regard, Nodal Officer (FCA), J&K vide his letter No. PCCF/FCA/1333-C/5061-65 dated 06.12.2024, has sought detailed report

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		<p>regarding works carried out under Compensatory Afforestation programme.</p> <ul style="list-style-type: none">- As soon as the details/ progress of CA works are received from the J&K Forest Department, the same shall be submitted to MoEF&CC on priority.
xii	<p>Greenbelt development along the approach roads, residential areas, office complex, dam site and other working areas shall be undertaken. The allocated budget of Rs.73 lakhs for this purpose shall be fully utilized and not to be diverted to any other purpose.</p>	<p>Shall be complied.</p> <ul style="list-style-type: none">- Green belt development is part of the Landscaping and Restoration Plan proposed in the EMP.- Currently, the construction activities are under progress for Dam, approach roads etc. and the construction of Office buildings and residential complexes are yet to start.- The development of green belt shall be carried out coinciding with the progress of construction works, in consultation with J&K Forest Department and Horticulture Department, as stipulated in the EMP.- In the meantime, vide letter No. RATLE/CEO/2024/78 dated 03.12.2024, the green belt development plan has been submitted to J&K Forest Department for detailed planning/ implementation.- The necessary provision of funds has been kept by RHPCL to ensure proper implementation of the Plan.
xiii	<p>As proposed in the EMP, the Biodiversity Conservation and Wildlife Management Plans shall be taken up and implementation shall be included in the six monthly compliance report to be submitted to the Ministry, including its Regional Office.</p>	<ul style="list-style-type: none">- Biodiversity Conservation and Management Plan was submitted to J&K Forest Department vide letter No. RATLE/GM(C-I)/2022/62 dated 29.09.2022.- The matter was discussed with J&K Forest Department in review meeting held by Nodal Officer (FCA)/Chief Conservator of Forests, UT J&K on dated 25.11.2022 and with Conservator of Forests, Chenab Circle, Doda at

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		<p>Kishtwar on 15.03.2023.</p> <ul style="list-style-type: none">- Vide letter No. Ratle/CEO/2023/E-49 dated 09.11.2023 and No. RATLE/CE/2024/E-46 dated 12.08.2024, J&K Forest Department has been requested for an early approval of the Plan and its timely implementation.- The matter is under regular pursuance with J&K Forest Department for timely approval and implementation of the Plan.
xiv	Indigenous plant species should be used for implementation of Biodiversity Management Plan and for Compensatory Afforestation. Expertise from R&D Centers may be used for propagation techniques. Provision should also be made to include researchers to implement these Plans and carrying out plantation.	Shall be complied
xv	Equipment likely to generate high noise levels shall meet the ambient noise standards as notified under the noise Pollution (Regulation and Control) Rules 2000, as amended in 2010 under Environment Protection Act (EPA), 1986. For this, necessary insulation arrangement etc. to be ensured.	Being complied
xvi	A provision of Rs. 30 Crores earmarked towards the Local Area Development Activities (LADA) shall be fully utilized and not to be diverted for any other purpose. The implementation of activities as submitted to the Ministry shall be taken up as soon possible. In addition, a grant of Rs. 30 Crores earmarked for Corporate Social Responsibility (CSR) and Rs.30 Crores for skill development purpose shall also be duly utilized and not to be diverted for any other purpose.	<ul style="list-style-type: none">- Local Area Development Activities (LADA) and CSR Component is a part of overall R&R Package approved by GOJK vide Order dated 16.08.2024 for a total cost of Rs.120.3216 Crore.- The Local Area Development and CSR Activities, have been taken up for implementation though Commissioner, R&R, Ratle HEP i.e. Deputy Commissioner, Kishtwar.- Recently, Commissioner R&R has held a Public meeting in this regard on 03.12.2024 and the implementation of R&R Package has been initiated.

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		- The necessary provision of funds has been kept by RHPCL for ensuring timely implementation of LADA and CSR activities.
xvii	LADA activities may be undertaken by M/s Ratle Hydro Electric Project Pvt. Ltd to enhance delivery mechanism for operational point of view.	- LADA activities are being carried out by Commissioner R&R/ District Administration in line with the approval of R&R Package conveyed by GOJK.
xviii	Tie-ups shall be made with existing city hospitals for disposal of Bio-medical waste in case district hospital at Kishtwar does not have the facility for handling biomedical waste as proposed in the report.	Being complied - An agreement has been made with M/s Kashmir Health Care Systems, Pulwama, J&K (authorized by J&K Pollution Control Committee) vide No. KHCS/24/928 for collection of biomedical waste generated by M/s MEIL, Ratle HEP, Drabshalla and its scientific treatment at their facility at Pulwama, Kashmir, as per Bio Medical Waste (Management & Handling) Rules 2016.
xix	Any other clearance from other organization/department, if required, shall be obtained before commencement of the project	Shall be complied
Sl. No.	General Conditions	Compliance status
i	Adequate arrangement for providing free fuel like kerosene/wood/LPG shall be made at project cost for the labour engaged in the construction work so that indiscriminate felling of trees is prevented.	- Common mess facilities have been developed by MEIL for their workers at Drabshalla. - The LPG from Depot(s) at Drabshalla and Kishtwar is being used as fuel for labour colonies.
ii	Medical facilities as well as recreational facilities shall also be provided to labourers.	- One Dispensary has been set up by Contractor at Project site which is being manned by One Doctor and 13 paramedical staff. - Further, two Ambulances have also been deployed to cater to the health requirements of their staff and labour force.

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		<ul style="list-style-type: none">- In addition, one First Aid Centre has been established by Ratle Project at Shalimar Colony which is being manned by one Doctor and 2 paramedical staff.- Recreational facilities are also being ensured.
iii	All the labourers to be engaged for construction works shall be thoroughly examined by health personal and adequately treated before issuing them work permit.	<ul style="list-style-type: none">- Health measures for labourers being taken up by the major Contractor.
iv	No fugitive dust emissions should be observed at the construction sites. Water sprinkling arrangements should be made to suppress the fugitive emissions.	<ul style="list-style-type: none">- As submitted by M/s MEIL, a fleet of 3 Water Tankers has been deployed for sprinkling of water at work sites 24X7 for suppression of dust arising out of construction activities.- The drilling equipments deployed at Dam site have been equipped /supported with water jets sprinkling facilities to avoid any dust emissions.- The fleet of water Tankers shall be further strengthened, if required, to enhance the water sprinkling measures to mitigate fugitive dust emissions effectively.
v	Potable drinking water and proper sanitary facilities shall be provided for the labour force and the local area people.	Being complied
vi	Restoration of construction area including dumping site of excavated materials shall be ensured by levelling, filling up of burrow pits, landscaping etc. The area should be properly treated with suitable plantation.	<ul style="list-style-type: none">- Currently, the major construction activities for Dam and other Project Components are under progress.- Restoration of construction areas with proper treatment and plantation of suitable species shall be taken up upon completion of construction activities/ prior to commissioning of the Project.
vii	Environmental parameters shall be monitored regularly and six monthly reports shall be submitted to the regional Office of the Ministry and State Pollution Control Board for review.	<ul style="list-style-type: none">- The sampling & monitoring of environmental quality parameters has been carried out at Project sites. The test reports are enclosed herewith as Appendix-II.

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viii	The project proponent shall also submit six monthly compliance reports of the stipulated EC conditions (both hard copies as well as by e-mail) to the respective Regional Office of MoEF and State Pollution Control Board. Monitoring report and compliance report shall be up-loaded on the web-site of project proponent.	- 06 monthly reports on the status of compliance of the stipulated EC conditions are being regularly submitted and the same are also being put on the website of RHPCL i.e. www.rhpcindia.com .
Other Conditions mentioned in the EC Letter		
5.	The Project Proponent shall provide full cooperation and all required documents, data and access to the Officials of Regional Office of MoEF who would be monitoring the implementation of environmental safeguards.	Being complied
6.	Besides the above stated conditions, M/s Ratle hydro Electric Project Pvt. Ltd and Government of Jammu & Kashmir shall also implement all other environmental safeguards, as proposed in the EIA/EMP report and other reports from time to time. The J&K Government may also like to monitor implementation of EMP at regular interval.	Being complied
7.	Any change in the scope of the Project shall be intimated to the Ministry and fresh approval, if required, shall be taken from the Ministry.	- In case of any change in the scope of Project, the same shall be intimated to MoEF&CC, GOI and approval thereof shall be taken from the Ministry.
10.	A Multi-disciplinary committee for monitoring the implementation of environmental safe guards during construction shall be constituted by the Project Proponent in consultation with the Ministry as early as possible. The Proponent shall suggest the members and their profile for approval of the Ministry. Proponent shall organize six monthly meetings of the committee and submit the monitoring report to the Ministry.	- In Dec 2023, the proposal was submitted to MoEF&CC, Sub Regional Office, Jammu for constitution of Multi-Disciplinary Committee to oversee the implementation of environmental safeguard measures at Ratle HEP. - Subsequently, as suggested by MoEF&CC sub Office, Jammu, the proposal for constitution of MDMC has been submitted to MoEF&CC, New Delhi vide communication dated 12.09.2024. - A request letter from RHPCL vide No. RATLE/CEO/2024/E-80 dated

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		10.12.2024, has again been written to MoEF&CC for constitution of the MDMC.
11.	A copy of the clearance letter shall be sent by the Proponent to local Panchayat, Zila parishad/Municipal Corporation, Urban local body and local NGO, if any, from whom suggestions / representations were received while processing the proposal. The clearance letter shall also be put on its web-sites by the project proponent.	<ul style="list-style-type: none">- Environment Clearance letter of Ratle HE Project has been put on the website of RHPCL i.e. www.rhpcindia.com. (status shall be suitably updated upon receipt of records from JKSPDC)
12.	The proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/committee and may also be seen at Website of the Ministry of Environment and Forests at http://www.envfor.nic.in .	<ul style="list-style-type: none">- Environment Clearance letter of Ratle HE Project has been put on the website of RHPCL i.e. www.rhpcindia.com.- The information pertains to 2012-13 when the Project was being taken up by JKPDC.- Now, the Project has been taken over in June 2021 by RHPCL (a JV of NHPC and JKPDC).- The Jammu and Kashmir Power Development Corporation has been requested to provide a copy of the advertisement in two local newspapers regarding grant of EC to Ratle HE Project in 2012. The information is awaited from JKPDC.- As soon as the above information is received by RHPCL, the same shall be forwarded to MoEF&CC on priority, for record and reference.
13	After 5 years of the commissioning of the Project, a study shall be undertaken regarding impact of the project on the environment and downstream ecology. The study shall be undertaken by an independent agency, to be decided in consultation with the Ministry.	Shall be complied

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14	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) including the respective Regional office of MoEF and Zonal Office of CPCB and SPCB.	- 06 monthly reports on the status of compliance of stipulated EC conditions are being regularly submitted.
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*The previous records of Project regarding implementation of EMPs in compliance to the EC conditions are yet to be handed over by JKSPDC. The above information shall be suitably updated upon receipt of records and shall also be submitted to MoEF&CC for kind information.

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ANNEXURE-II

Ratle HE Project (850 MW)

(Status Report as on 30.09.2024)

Ratle Hydro-Electric Project is a run-of-river scheme proposed on river Chenab in District Kishtwar of UT Jammu and Kashmir with installed capacity of 850MW. The Project envisages construction of 133mtr high (from deepest foundation level) Concrete Gravity Dam, an underground Power House to accommodate 4 units of capacity 205MW each and one Auxiliary Unit of capacity 30MW.

Initially, the construction of Project was taken up by J&K State Power Development Corporation through M/s GVK however the work was stopped in 2014. The plan for execution of Project was revived by Ministry of Power, GOI in 2018 in consultation with Govt. of Jammu and Kashmir. The MoU was signed on 03.02.2019 and subsequently, supplementary MoU was signed on 03.01.2021 between NHPC (51%) and JKSPDC (49%) for formation of new Joint Venture for execution of Ratle HE Project. The new JV with the name "Ratle Hydroelectric Power Corporation Ltd." was incorporated on 01.06.2021 for execution of 850MW Ratle HE Project.

1. Status of Clearances:

Clearance	Status
Appraisal by CEA	TEA accorded by CEA on 19.12.2012. TEA further transferred in the name of RHPCL vide communication No. CEA-SY-25-50/1/2019-PAC Division/438-43 dated 29.12.2021
Forest Clearance	Accorded by GOJK in favour of JKSPDC on 27.04.2012 (for diversion of 138.93 Ha Forest land) and on 05.03.2014 (for diversion of 29.13 Ha Forest land) respectively. Vide communication No. 15-01/2021-Jammu dated 18.01.2022 and 08.03.2022, approval accorded by MoEF&CC, GOI for change of User Agency from JKSPDC to RHPCL.
Environment Clearance	Accorded by MoEF&CC vide letter No. J-12011/39/2010-IA.I dated 12.12.2012. The EC was transferred by MoEF&CC in the name of RHPCL vide communication No. J-12011/39/2010-IA.I dated 27.09.2021.
Indus water Clearance	Accorded by MoWR (Indus Wing) on 16.08.2012. Vide letter dated 02.07.2021, MoWR (Indus Wing) has confirmed the validity of IWT Clearance of the Project in favour of RHPCL.
PIB/CCEA Clearance	Cabinet has accorded the Investment sanction of Rs. 5281.94Cr for implementation of 850MW Ratle HE Project communicated vide MoP letter dated 11.02.2021.
R&R Plan Approval	- In 2013, GOJK had approved the R&R Package of Project for a total amount of Rs. 110 Crore. In line with the provisions of MoU for formation of Joint Venture (RHPCL), the rates of benefits of R&R Plan of Project were updated and the proposal was

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submitted to GOJK. GOJK, vide Order dated 16.08.2024, has accorded approval to the updated R&R Package of Ratle HE Project with total cost of Rs.120.3216 Crore. The R&R Plan, Local Area Development Plan, Skill Development Activities and the CSR Activities have been taken up for implementation through Commissioner R&R (Deputy Commissioner, Kishtwar).

2. Award of construction works

The work for Turnkey Execution of Ratle HE Project has been awarded to M/s MEIL on 18.01.2022. The diversion of river Chenab through Diversion Tunnel has been achieved on 27.01.2024. The excavation of MAT and CVT has also been completed whereas the work on other associated components viz. TRTs, Pressure shafts, Power House, Surge chamber and Dam stripping is under progress by the Contractor. As per Investment sanction accorded to the Project by GOI, the Project is scheduled to be completed by February 2026.

3. Status of Land Acquisition and transfer of land to RHPCL

As mentioned in GOJK Order No. 55-JK (PDD) of 2022 dated 10-05-2022 (in terms of Administrative Council Decision No. 48/3/2022 dated 15-03-2022), State land measuring 233.96 Ha and Private land measuring 55.52 Ha has been acquired by JKSPDC through concerned Revenue Collectorate(s) of J&K Govt. for construction of Ratle HE Project in terms of Jammu and Kashmir State Land Acquisition Act. The Awarded amount on account of acquisition of land stands already deposited with concerned Revenue Collectorate(s) and the Land Awards have been issued by GOJK in favour of JKSPDC. Vide aforementioned Govt. Order dated 10.05.2022, JKPDD has been authorized to lease out land acquired by JKPDC for development of 850MW Ratle HEP to RHPCL. The sanction has also been accorded by GOJK for use of land measuring 138.81 Ha falling under river bed. The land acquired for Ratle HE Project has been physically taken over by RHPCL from JKSPDC. The execution of land lease agreement is under progress with JKSPDC/JKPDD.

4. Status of R&R Plan Implementation

Vide Order No. 91-PDD of 2013 dated 21.03.2013 issued by GOJK in terms of Cabinet decision No. 44/7/2013 dated 15.03.2013, the sanction had been accorded to the R&R Package of 850MW Ratle HE Project for a total amount of Rs. 110.00 Crore. The above R&R Package sanctioned by GOJK includes the R&R Plan (Rs. 20.00 Crore), Local Area Development Plan including Skill Development Plan (Rs. 60.00 Crore) and Corporate Social Responsibility Plan (Rs.30.00 Crore). A part of R&R benefits as per the approved Plan stands already released to the beneficiaries.

In compliance to provisions of the MoU signed for incorporation of RHPCL, the rates of various provisions were updated as per the rates provided in case of Kishanganga HE Project of NHPC and the updated R&R Plan of Ratle HE Project was submitted to JKPDC / JKPDD and Department of DMRRR in 2021 and 2022 respectively, for further

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examination. The Govt. of Jammu and Kashmir, vide Order dated 16.08.2024, has accorded approval to the updated R&R Package of Ratle HE Project with total cost of Rs.120.3216 Crore. As envisaged in the Govt. Order, the R&R Package is to be implemented through Commissioner, R&R (Deputy Commissioner, Kishtwar). The R&R Plan, Local Area Development Plan, Skill Development Activities and the CSR Activities have been taken up for implementation through Commissioner R&R (Deputy Commissioner, Kishtwar). An amount of Rs.10.25 Crore stands already released in favour of Commissioner R&R for the above purpose.

5. Status of Infrastructure works

- i) The construction of access roads leading to major structures has been completed.
- ii) The layout of Project colony at Drabshala is under the stage of finalization.
- iii) A temporary Office setup has been developed at Project site, Drabshalla which is under use by the Project.
- iv) 33/11 KV receiving station for Ratle HE Project has been constructed (partially) through JKPDD. Matter is under pursuance with J&K Govt. for making it functional.
- v) A Dispensary has been set up at Project site and another at Shalimar Office which is being manned by one Doctor and two paramedical staff.
- vi) A Quality Control Lab has been established at site through Contractor and is operational.
- vii) The security posts have also been constructed at work sites.
- viii) The demarcation of almost 50% of Project land has been completed through District Revenue Authorities.

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