



HIMACHAL PRADESH POWER CORPORATION LIMITED
(A STATE GOVERNMENT UNDERTAKING)

Office of General Manager

Ravi & Chenab Projects,

HPPCL, Sundla, Distt. Chamba(H.P.)-176312

Phone & Fax No. 01896-242042, e-mail:- gmrpc7@gmail.com

No. HPPCL/RCP/GM/ G-4 /2018-275-81

Dated: 21-05-2019

To

Dr. K.K. Garg,
Scientist C,
MoEF&CC, GoI,
MoEF&CC, GoI, Northern Regional Office,
25 Subhash Road, Dehradun-248001.
e-mail : moef.ddn@gov.in

**Sub: Surgani Sundla (48MW) HEP in Salooni Tehsil of Distt.Chamba (H.P) by HPPCL
Environment clearance –regarding Six monthly progress report.**

Ref: Your office letter No. NC-RO/ENV/HEP/HP/03/2018/1548 Dated 26.10.2018.

Sir,

As requisitioned vide your office letter under reference o the subject cited above, the point-wise 2nd six monthly progress report for the period 1.10.2018 to 31.03.2019 is being submitted as under please:

1.

Name of the Project Incharge/Address	Er. Anil Mohan Dutta General Manager Ravi & Chenab Projects, HPPCL, Sundla, Distt. Chamba -176312
Telephone No/Mobile No. /E-mail ID	01702-242042 8894988501 gmrpc7@gmail.com
Report No.	Two
Period of Reporting	01.10.2018. To 31.03.2019

- The copy of Environment Impact Assessment and Environment Management Plan alongwith copy of the Proceedings of Environment Public Hearing has already been submitted to your office alongwith 1st Six monthly compliance report vide letter No. HPPCL/RCP/GM/G-4/2018-1100-06 Dated 22.11.2018.
- Techno economic clearance of the project has already been obtained from Directorate of Energy, HP Government during October,2012.
In-principle forest clearance has already been accorded by MoEF&CC,GoI during July,2013 vide File No.9-HPC733/2012-CHA Dated 15.07.2018. Compliance to the conditions imposed to this clearance is being attended.However;Project proponent has deposited the cost on account of Compensatory Afforestation,Contingency Charges @5% on CA and NPV of the diverted forest land (32.91 ha) amounting to

Registered Office: Himfed Building, BCS,Nerw Shimla. (H.P) -171009

(CIN : U40101HP2006SGC030591)

Web Site: www.hppcl.gov.in, Email: cs_hpjvvn@yahoo.com, Phone Nos: 0177-2807923 Fax No. : 0177-2807923



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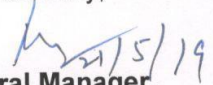
Rs. 2,81,25,675 to the beneficiary HP CAMPA account No. 150705634535059
Dated 12.07.2018.

- 4 Point-wise compliance of the conditions imposed in Environment Clearance letter, is enclosed as **ANNEXURE-II**.

The report is also being sent by e-mail at moef.ddn@gov.in

Encl: As above.

Yours faithfully,


General Manager,
RCP, HPPCL, Sundla,
Distt. Chamba-176312.

Copy forwarded to the following for kind information please.

1. The Director (Civil), HPPCL, Himfed building, BCS, New Shimla-09.
2. Member Secretary, HP Pollution Control Board, HIMPARI VESH, Below BCS, New Shimla.
3. Chief Environment Specialist, HPPCL Himfed building, BCS, New Shimla -09.
4. Dy. General Manager, RCP, HPPCL, Sundla, Distt. Chamba.
5. Sr. Manager IT, HPPCL Himfed building, BCS, New Shimla -09 He is requested to upload the compliance status in the HPPCL web portal.
6. Manager (Environment) RCP, HPPCL, Sundla, Distt. Chamba.

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Sr. No.	Description	Reply
I.	Statutory compliance	
i.	The project proponent shall obtain Forest Clearance under the provision of Forest (Conservation) Act, 1986 in case of the diversion of forest land for non-forest purpose involved in the project.	In Principle Forest clearance has already been accorded by MoEFCC, Gol during July, 2013 vide File No.9-HPC733/2012-CHA Dated 15.07.2018. Compliance to the conditions imposed to this clearance is being attended.
ii.	The project proponent shall obtain Clearance from the National Board for Wildlife, if applicable.	NA
iii.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)	NA
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.	Needful will be done.
v.	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC.	
vi.	Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crore.	NA
II.	Air quality monitoring and preservation	
i.	Regular monitoring of various environment 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.	Agreed Needful will be done.
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.	Agreed. Needful will be done.
iii.	Necessary control measures such as water	Agreed

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	sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.	Necessyary measures will be taken.
III.	Water quality monitoring and preservation	
i.	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.	Needful will be done as per site conditions.
ii.	Remodelling of existing natural drains (link drains) and connecting them with irrigated land through constructed fields drains, collector drains, etc. are to be ensured on priority basis.	Needful will be done
iii.	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.	Surgani Sundla HEP is a proposal to use Tail race water of Berra Suil HEP of NHPC.
iv.	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.	There is no reservoir in this proposed project. As submitted above, Project proponents will use TRT silt free water. Project Proponents shall release 15% minimum water discharge as per State Government policy to avoid any adverse impact in downstream area.
v.	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.	Agreed. Needful will be done.
vi.	Mixes irrigation shall be practiced 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.	NA
vii.	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.	NA
IV.	Noise monitoring and prevention	
i.	All the equipment likely to generate high noise shall be appropriately enclosed or inbuilt noise	NecessUary measures will be taken to meet the ambient noise standards as per EPA,1986

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	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.	
ii.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Agreed. Needful will be done.
V.	Catchment Area Treatment Plan	
i.	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.	Agreed Catchment Area Treatment (CAT) Plan as proposed in the EIA/EMP report will be implemented in consultation with the State Forest Department and shall be implemented in synchronization with the construction of the project.
VI.	Waste management	
i.	Muck disposal be carried out only in the approved and earmarked sites. The dumping sites shall be located sufficiently away from the HFL of the river. Efforts be made to reuse the muck for construction and other filling purposes and balanced be disposed of at the designated disposal sites. Once the muck disposal sites are inactive, proper treatment measures like both engineering and biological measures be carried out so that sites are stabilizes quickly.	Needful will be done. Dumping will be made only in designated dumping sites.
ii.	Solid waste management should be planned in details. Land filling of plastic waste shall be made to avoid one time use of plastics.	Agreed. Needful will be done.
VII.	Green Belt, EMP Cost, Fisheries and Wildlife Management	
i.	Based on the recommendation of Cumulative 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 environment flow.	Agreed. Needful will be done.
ii.	Detailed information on species composition particular to fish species from previous study/literature be inventorized and proper management plan shall be prepared for in-situ conservation in the streams, tributaries of river and the main itself for which adequate budget provision be made and followed strictly.	Needful will be done as per site conditions.
iii.	Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest	NA

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	Department.	
iv.	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.	Agreed.
v.	Compensatory afforestation programme shall be implemented as per the plan approved.	Agreed.
vi.	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 its effectiveness.	NA
vii.	The project proponent shall deposit an amount of Rs. 14.00 lakhs (Fourteen Lakhs) to Society for Environment Protection & Sustainable Development (SEPSD) at Department of Environment, Science & Technology, Government of Himachal Pradesh towards the Environment Management Plan for conducting third party validation of the Environment Monitoring Report and monitoring of Social & R&R Safeguards for the projects.	Agreed. Needful will be done.
VIII. Public hearing and Human health issues		
i.	Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.	Agreed
ii.	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.	Agreed
iii.	Preventive measures viz. fuming and spraying of mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnated pools to avoid creation of breeding grounds of the vector borne diseases.	Agreed Needful will be done as per site conditions.
iv.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Agreed
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	Agreed Needful will be done.

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	the construction sites.	
vi.	Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.	NA
vii.	Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Dam Break Analysis.	NA
IX	Corporate Environment Responsibility	
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 1 st May 2018, as applicable, regarding Corporate Environment Responsibility.	Agreed.
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 long time livelihood generation.	Agreed
iii.	The company shall have a well laid down environment 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 environment / forest / wildlife norms / conditions. The company shall defined system of reporting infringements / deviation / violation of the environment / 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-months report.	Agreed.
iv.	A separate Environment 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.	Agreed Needful will be done.
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 environment 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.	Agreed. Needful will be done.
vi.	Post EIA and SIA be prepared for the project	

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	through a third party and evaluation report be submitted to the Ministry after five years of commissioning of the project.	Agreed.
vii.	Multi Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report of the Committee shall be uploaded in the website of the Company.	Agreed Needful will be done
viii.	Formation of Water User Association/Co-operative be made involvement of the whole community be ensured for discipline use of available water for irrigation purposes.	NA
X.	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 to 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.	Agreed. Needful is being done.
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.	Copies of Environment Clearance has been sent vide this office letter No : <u> </u> HPPCL/RCP/GM/ G-4 /2018- <u>1088-99</u> Dated: 22.11.2018
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and and update the same on half-yearly basis.	Agreed
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.	Agreed
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

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vi.	The project proponent shall inform the Regional Office as well as the Ministry, the data 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.	Agreed
vii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Agreed
viii.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the State Expert Appraisal Committee.	Agreed Compliance to the commitment made during Public Hearing will be made.
ix.	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Ministry of Environment, Forests and Climate Change (MoEF&CC).	Agreed
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.	Agreed
xi.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed
xii.	The SEIAA reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Agreed
xiii.	The Regional Office of Ministry of Environment, Forests and Climate Change 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.	Full co-operation will be given to competent authorities.
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 Trans-boundary 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.	Agreed

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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.	Agreed
xvi.	Necessary arrangements for rain water harvesting for roof run-off and surface run-off should be made.	Agreed Necessary arrangements for rain water harvesting for roof run-off and surface run-off will be made.
xvii.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized as per norms prescribed by the Competent Authority and no public space should be used for this purpose.	Agreed Needful will be done.
xviii.	A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about building materials and technologies, R&U Factors etc. and submitted to the SEIAA.	Agreed
xix.	Energy conservation measures like installation of CFLs/ TFLs for the lighting the surrounding areas/ outside areas the building should be integral part of the project design and should be in place before project commissioning. Used CFLs/ TFLs should be properly collected and disposed off/ sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the possible extent.	Agreed
xx.	The Project Proponent shall carry out and submit study on Ecological Flows w.r.t. release of water for maintenance of ecological needs for the D/S affected areas of the project within one year period. The Project Proponent would also regulate minimum release of water based on the study but it would not be less than Government of Himachal Pradesh Policy.	Agreed Needful will be done.
xxi.	The Project Proponent shall not allow the workers for extraction of fuel wood from nearby by forest land area.	Agreed
xxii.	The Project Proponent shall regularly monitor their Carbon footprints and would strive to be carbon neutral. The Carbon Balance sheet be submitted to Authority from time to time.	Agreed
xxiii.	It shall be responsibility of the Project Proponent to obtain all the requisite approvals/ clearance/ NOCs as may be applicable to the project from competent authorities under different Acts/ Rules/ Regulation/ Order etc.	Agreed Project Proponents will obtain all the requisite approvals/clearance/NOCs etc.

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xiv.	The construction material such as Grit/ Bajri, Sand shall be obtained from the competent authorized dealers/ suppliers only and no illegal mining etc. shall be caused/ resorted to.	Agreed Needful will be done.
xxv.	The project proponent shall not undertake any tree felling without statutory clearance under Forest Conservation Act, 1980 from MoEF&CC, Gol and the tree felling shall be done by the HP State Forest Corporation as per the set procedure/ guidelines.	Felling of trees will be done by HP Forest Cor[poration only after the grant of Forest Clearance from the competent authority.
xxvi.	The lying of transmission lines shall not be part of present Environment Clearance.	Agreed
xxvii.	The Project authorities shall increase the height of retaining structures by at least 1-2 mtrs above to filled/ dumping line by ensuring the sustainability of retaining structure from civil engineering i.e. horizontal and vertical stability point of view as well. The angle of repose shall not exceed 30 degree.	Needful will be done.
xxviii.	No muck disposal sites shall be located near the river/ nallah bank and shall maintain a vertical distance of more than 10 meters from river bank. The Project Proponent shall submit an affidavit to this project.	Needful will be done. Precautions will be taken. Project proponent will submit an affidavit to this account before the construction works.
xxix.	The Project Proponent shall raise the muck disposal sites before start of dumping in those sites.	Agreed All dumping sites will be developed before dumping.
xxx.	The Project Proponent shall submit the details on quantum of generation of muck on monthly basis, its reuse and dumped, on a proper format for all the approved sites separately during the construction phase.	Agreed The project proponent shall submit the details on quantum of generation of muck on monthly basis, its reuse and dumped, on a proper format for all the approved sites separately during the construction phase.
xxxi.	The Project Proponent shall also ensure that the reclamation works are undertaken immediately after the complete filling of the muck disposal site.	Agreed
xxxii.	It shall be ensured that disposal of muck including excavated material during construction phase shall not create any adverse effects on the neighboring communities and it would be disposed off only after taking the necessary precautions for general safety and health aspects of public.	Needful will be done to avoid any issue regarding general safety and health aspects of public.
xxxiii.	All the topsoil excavated during construction activities shall be stored for use in reclamation works, horticulture, landscape development etc. within the Project site.	Agreed.
xxxiv.	The Project Proponent shall develop the muck dumping areas as village utility areas.	Needful will be done.
xxxv.	The Developer shall ensure that the vehicles/ equipment deployed during construction	Necessary measures will be taken into consideration.

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	phase are in good condition and conform to air and noise emission standards and should have vehicle pollution check certificate from authorized agency.	
xxxvi.	The PP shall construct and provide toilets for use of labourer in the ratio of 1:20 (i.e. one toilet for twenty labourers).	Agreed
xxxvii.	The PP shall ensure proper handling of the municipal wastes, dispose off the non-biodegradable waste including biomedical wastes, if any, in a scientific manner; dispose hazardous wastes such used CFL etc. at the designated authorized hazardous wastes dumping site at TSDF Nalagarh. The PP shall also explore option for buy back mechanism for the waste CFL.	Agreed Needful will be done.
xxxviii.	The PP shall undertake construction and development of STP during construction period and shall submit progress report of same to the Authority.	Agreed. PP shall undertake construction and development of STP during construction period and shall submit progress report of same to the Authority.
xxxix.	During the construction phase, the PP shall ensure that water sprinkling is done for preventing the dust/ air pollution.	Agreed Needful, will be done.
X1.	A separate energy meter shall be installed for STP and log book shall be maintained on energy consumption. Interlocking of electric supply to STP and housing complex shall be ensured by the PP.	Agreed


Er. Vishal Sharma
Manager (Environment)