

**Himachal Pradesh Power Corporation Limited**  
(A State Government Undertaking)  
Himfed Building, BCS, New Shimla, Himachal Pradesh 171009  
Website: - [www.hppcl.in](http://www.hppcl.in) CIN: U40101HP2006SGC030591

No. HPPCL/GM/IKHEP/E&F(K-I)Vol-XXIV/2025-820-25

Dated:- 06/06/2025

To

The Integrated Regional Office,  
Ministry of Environment, Forests & Climate Change (GoI),  
CGO Complex, Shivalik Khand Longwood,  
Shimla, Himachal Pradesh-171001  
Phone:0177-2658285, 2652541

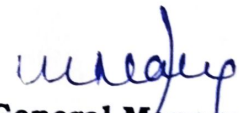
**Sub: Six monthly compliance report of Integrated Kashang Hydroelectric Project (243 MW) in District-Kinnaur of HP owned by H.P. Power Corporation Ltd. Period Oct., 2024 to March, 2025).**

Sir,

The subject cited compliance report for the period Oct.,2024 to March,2025), along with enclosures, is appended herewith for your kind information and necessary action please.

D/A: - As above along with Soft copy (.....74.....Pages)

Yours faithfully,

  
**Dy. General Manager (Civil),  
IKHEP, Stage-II&III,  
Kinfed Building,  
HPPCL, R/Peo,  
Dist. Kinnaur -172107.**

CC:-

- The Chief Environment Specialist, HPPCL, Himfed Building, BCS, New-Shimla-171009, along with above compliance report, for information & needful action please.
- The General Manager, IKHEP, Kinfed Bhawan, Reckong Peo, (Kinnaur), for information please.
- The Divisional Forest Officer Kinnaur, at Reckong Peo, Kinnaur for information along with copy of above compliance report.
- The Asstt. Engineer, Himachal Pradesh State Pollution Control Board, Rampur Bushahr, Distt Shimla, along with copy of above compliance report for information please.
- The Sr. Manager (IT), HPPCL, Himfed Building, BCS, New-Shimla-171009, for information and with the request for uploading the same in HPPCL web site for which CD containing soft copy of above report is annexed please.

Stage II&III, IKHEP, HPPCL, Kinfed Building, Reckong Peo, Distt. Kinnaur HP 172107  
Ph/Fax No. 01786-223662/223992, email:



***INTEGRATED-KASHANG  
HYDRO ELECTRIC PROJECT  
(243 MW)***

Six Monthly Compliance of MoEF&CC

Reported on June 2025 for the Period ( Oct., 2024 to April, 2025)

**For Stage-I, II & III (195MW)**

**Point wise reply:**

Sr.No.:1

<b>CAT Plan implementation completed on priority basis. Progress of CAT works</b>				
<b>Sr. No</b>	<b>Funds released by the project authority till date</b>	<b>Funds spent by the forest department till date</b>	<b>Details of the engineering works Executed till date</b>	<b>Area covered by carrying for Plantation and no of plants planted.</b>
1	Rs16.03 Crores.	Received UC of nilup to 31 <sup>st</sup> March, 2025.Total CAT plan for Stage I, II, III &IV (243 MW) =Rs. 30.50 Crore . Proportionate CAT Plan For Stage I (65 MW)= 9.22Crore Amount Deposited Against Stage –I = 9.22 Crore. Proportionate CAT Plan For Stage II&III(130 MW)= 8.71crore Amount Deposited against Stage II&III(130 MW)= 6.81 Crore . Balance amount to be deposited against Stage II &III=1.9 Crore Balance amount to be deposited against Stage IV= 12.57 Crore	Copy of consolidated Nil UC received from DFO is attached as and finical Progress enclosed as <b>Annexure-A</b>	Physical and financial Progress of CAT plan conveyed by Divisional Forest Office is attached as <b>Annexure-A</b> .

2. Physical and financial Progress about the implementation of the R&R scheme is enclosed as **Annexure-B**
3. Updated information on the project in **13 point data sheet** is enclosed as **Annexure-C**
4. Environmental monitoring report containing all the parameters of Monitoring water quality samples for drinking and waste water, Air quality samples were carried out during the reporting period by HP State Pollution Control Board, in Oct.,2024 to March,2025 at project sites of IKHEP are attached as **Annexure-D** all the parameters were within the Limits.
5. Medical facilities through contractors to the workers:-Project proponent has established a dispensary at Project site i.e. Reckong –Peo which is being run by, M/s Patel Engineering, along with facility of ambulance vehicles. Time to time medical camps are being organized by the Project proponent in PAA. Copy of the Expenditure made by the M/s Patel Engineering during the reporting period Oct., 2024 to March, 2025 is enclosed as **Annexure-E** and a part from this medical fund i.e. 0.05% of the total project cost has been earmarked on account of the medical fund management committee for reimbursement of medical expenses to

PAFs in hardship due to illness or in extreme illness or accident cases. As on date Rs.12,75,696/- has been disbursed among 53PAFs.

6. So far, engineering measures, like retaining structures have been raised on the approved/designated dumping sites and as on date create wire/protections works were raised at various locations:-

Power House site = 11,871Nos.

Intake site = 351Nos

IPS site = 650Nos

i.e.12872 nos of create walls were raised at various sites of IKHEP Consequent upon the and instruction issued to the Main Contractor for raising additional protection walls before TOC 50 numbers of additional Crate walls near Power House and 27 numbers near Intake and 5 additional crate walls were erected at various dumping sites and once the protection works are completed and Project Environment cell is also continuously inspecting and implementing the norms as per the outcome of various visits Project proponent suggested remedial measures to the contractors for implementation of the biological treatment of dumping sites of Power House and IPS completed with plantation of around 3300 numbers of various plant species and erosion control blanket.

Details of allocation of funds for different Environment management plan along with utilization of funds are as under;

- Rs.1603.0lacs against CAT plan.
- Rs.33.67 lakhs against compensatory Afforestation (CA) of Stage –I & Rs119,57,407 against Stage –II & III.
- Rs.42.00 Lakhs against Fisheries Management.
- Rs.175.08/-lacs under Environment Monitoring to the HPSPCB.
- **Rs.11605.214 lakhs** for Monitoring the Environment

## Provisions/Compliance of EMP and its utilizations

Sl · N o.	Particular	Provisions in EMP (Rs. In Lakhs)	Utilization of Amount (Rs. In Lakhs)	Remarks
1	Catchment Area Treatment Plan	3050.60 for IKHEP, Stage-I, II, III & IV	Rs1603.0	Had been deposited with the CAMPA against Stage-I, II & III of IKHEP and utilization of Rs.13.44 Crore has been received from DFO Kinnaur/HP State Forest department
2	Implementation of Resettlement & Rehabilitation Plan	300.00 Implementation of Resettlement & Rehabilitation Plan	7808.72	For the implementation of R&R benefits and works/tender awarded to PAFs Contractors including LADA funds deposited with the LADC & other then LADA works.
3	Compensatory Afforestation	541.00	Against Stage-I, II & III Stage-I Rs.33.66 Stage-II & II Rs.119.57 (is already deposited with the Forests Deptt.)	CA over the 38 Ha. Against IKHEP Stage-I achieved and against Stage-II & III, DFO, Kinnaur has conveyed the progress of 30 Ha. Out of 36 Ha. In the Lippa, Jangi and Asarang is in progress with an Expenditure of Rs.86,57,100/-.
4	Greenbelt Development	55.00	Rs5.0+4.26=9.26	Rs.5.0lacs for strengthening of Nursery and Rs.4.26 lacs. For green belt development at Intake site of IKHEP Stage-I.
5	Wildlife Management and Biodiversity Conservation Plan*	100.00*	88.789 <b>941.92 (over and above from EMP)</b>	During The previous FY no activities were carried out due to non approval of funds in this head as reported by the DFO wildlife but during this FY i.e 2024-2025. Apart from this NBWL while according clearance imposed a condition of 2% of the project cost as a mandatory stipulation to the project proponent and project proponent had deposited Rs.941.92Lakh to CAMPA against IKHEP Stage-I.
6	Muck Management Plan	552.00	388.00+ 221.75  4	For Engineering measurers i.e. construction of cratwalls/gabions through contactor. Against IKHEP stage-I only. And the reclamation/biological treatment of the dumping site at Power house and IPS were completed with the expenditure of Rs.221.75 and the process of handing over of the site after due reclamation were in process but due to ongoing widening of NH-5 BRO had damaged all the reclaimed site along with the power House approach roads, matter is being taken up with the BRO.

7	<i>Restoration Plan for Quarry Sites</i>	64.00	0.95	Since no quarrying was carried out from Proposed quarry site. (Rs0.95Lacs spent for preparation of mining plan)
8	<i>Landscape and Restoration Plan</i>	26.00	120.00	Landscape restoration plan is in progress installation of lighting arrangements to enhance the night effect is completed with the Expenditure already in built in the Electrical Contract Rs.75 lakhs and Rs.45Lakhs has been incurred for providing crash barrier along the power house Road.
9	<i>Health Management Plan</i>	65.00	65.0 (Against IKHEP Stage-I LADA fund had already been disbursed with LADC)	Being implemented through Contractors & Portion of the expenditure of Plan will be met from LADF. Apart from this Project level medical Fund scheme is being run by the project proponent and an expenditure of Rs12.75 lakhs is spent on this scheme as on date apart from this Contractor has spent Nil during the reporting period.
10	<i>Provision for Subsidized Fuel*</i>	113.00*	153.554	Total 8575 no. of commercial cylinders amounting to Rs.153.554 lacs were provided to the labourers through contractors, rest of the cost of subsidized fuel will be met from CAT plans. During the reporting period 40 numbers of Commercial cylinders were provided
11	<i>Solid Waste Management</i>	228.00	(Rs.906.00 Against IKHEP Stage-I & Against Stage-II & III 317.50 LADA fund had already been disbursed with LADC)	Part of the amount i.e. Rs. 50 lacs is met from LADF against Stage-II & III and part of around 45lacs. Is earmarked for common incinerator & sewage plant at HPPCL Colony which is not constructed yet, being implemented by project proponent.
12	<i>Disaster Management Plan</i>	40.00	20.00+56=76.00	Helipad has been established at Intake site of IKHEP Stage-I, Rs56.00 Lakhs incurred for Installation of alert system, at control room at power house site and communication.
13	<i>Environment Monitoring Plan</i>	124.00	175.08	Rs.175.08 lakhs to HPSPCB for monitoring and consent fees including Rs.20 lacs. to society of Environmental Protection and sustainable Development at Department of Environment Govt.(Rs11.73 for revised EMP and Rs.2.16 for renewal of consent for FY2025-26) .
14	<i>Fisheries Development Plan</i>	105.00	42.00	Rs.42.0lacs was deposited with directorate of fisheries and utilization of Rs40.5 has been reported by the Directorate of Fisheries.
	<b>TOTAL</b>	<b>5150.60</b>	<b>11605.214</b>	

7. Physical and financial progress report of compensatory afforestation

Project Name	Funds released by the Project authority till date (Rs.)	Funds spent by the forest department till date(Rs)	Area covered in the Plantation and no. of plants planted till date
Stage-I	33,66,650/-	20,95,280/-	38ha. Progress already conveyed vide previous compliance Reports
Stage-II&III	1,19,57,406/-	1,19,57,406/-	CA against IKHEP Stage-I i.e.38 ha. Of Forest land is achieved as conveyed by DFO, Kinnaur against of Stage-II & III CA over 36 Ha. is in progress.

8. Out of the Integrated Kashang HEP -243 MW shares of Rs.105lakhs, 2 installments of the above share i.e.42lacs (21lakhs each) were deposited with the Director-cum-Warden fisheries, Himachal Pradesh, HPPCL is continuously pursuing the case with the Directorate of Fisheries, for development towards fisheries schemes. Utilization certificate of Rs.40.5lakhs has been received from Director-cum- Warden Fisheries, Himachal Pradesh, Copy already attached as Project proponent shall monitor the progress achieved on this account after site visit in near future.

9. Information about labour engaged by Main contractors and fuel supplied by the contractor.

Year/periods	No of labourers engaged Contract wise.	Quantum of free fuel supplied or subsidy provided	Financial expenditure incurred in(Rs)
Oct., 2024	95(Civil Contractor)	6	12300
Nov., 2024	92(Civil Contractor)	7	14350
Dec., 2024	89(Civil Contractor)	7	14350

Jan., 2025	31 Civil Contractor)	7	14350
Feb., 2025	31 Civil Contractor)	7	14350
March, 2025	9631 (Civil Contractor))	6	12300
<b>Total</b>		<b>40</b>	<b>82000/-</b>

10 Information about the medical checkup by the different contractors, expenditure incurred on medicines

Year/periods	No of labourers checked up Contractor wise	Providing medicines
From Oct. 2024 to March, 2025 (by M/s. Patel Ltd.)	From Oct. 2024 to March, 2025 During the period Nil check ups were done	90,000 (from Oct., 2024 to March, 2025)
<p>Premedical examination of workers were conducted by medical team comprising of 1 doctor, 2 compounders 2 senior nurses and 1 nurse and 3 attendants and the ambulance vehicles were deployed at the sites with all medical facilities during the construction of IKHEP, Stage-I, as far as the construction activities of IKHEP, Stage-II &amp; III is concerned, due to resistance by the villagers of Lippa the construction activities were differed now it's being reinstate during the reporting period the villagers of Lippa are now agreed to co-operate with HPPCL and the infrastructure works i.e. construction of Approach roads etc. are started from Lippa side excavation of BR-III is being carried out by M/s Patel Engineering and M/s Patel Engineering had setup a first Aid center at Intake site with a fulltime Male pharmacist. A part from this Project proponent has implemented a project level medical fund scheme in Project area and kept 0.05% of the total project cost to facilitate and provide medical facility and support for medical treatment of project affected families and as on date Rs12,75,696/- were reimbursed to 53 beneficiaries.</p>		

11 Social welfare measures and other schemes being run for the locals and project affected people enclosed as **Annexure-B**.

12 Compliance of Public hearing and comments made during the Public hearing along with the Compliance status.



**Details of issues raised during Public Hearing on 28-05-2009 at 11:00 AM onwards for proposed Integrated Kashang HEP, organized by H. P. State Pollution Control Board at village Lippa, Tehsil, Moorang, Distt. Kinnaur (H.P):-**

<b>Sr. No</b>	<b>Issues Raised</b>	<b>Remarks on the issues raised</b>	<b>Compliance Made</b>
1.	The representative of the public raised an objection that all the agriculture and Horticulturist of the Sub-division adjoining to underground works has not been indicated in R&R plan (rehabilitation and resettlement) whereas all the agriculture and Horticulturist should have been covered under R&R Plan?	Gram Panchayat Lippa has been declared as a project affected area of Integrated Kashang HEP, Stage-II & III under R&R Plan.	Due to litigation in the Hon'ble NGT, no activity has could be started from Lippa side earlier but now infrastructure development activities like construction of approach road to intake of Stage-I etc have been started and is in progress. . Project proponent has already recommended the entire Lippa & Asarang Panchayat as PAA against Integrated Kashang HEP, Stage-II, III and Stage –IV. Further, Govt. of HP has also notified a policy for compensation for damage to crops during construction of hydro projects in HP vide its notification No. MPP (F)10-18/2011 dated 11. July 2011 and project proponent is committed to implement the same.
2.	It is apprehended that all the 15 water sources in the Lappo chak area will dry up, which have not been mentioned in R&R Plan. Hence, injustice has been meted out with the local people ?	A committee comprising of members of Project Proponent, IPH, revenue and representative of concerned Panchayat will be constituted and will carry out flow measure in lean season and will also prepare video graphic film. In case of reduction observed in the flow of water, it will be compensated by the project proponent.	Project proponent had inventorized all the springs in the vicinity of LIPPA Asarang, Tokto & Rarang Prior to the start of construction i.e. in the month of May and June, 2012 in the presence of representatives of concerned villages. Project proponent is committed to carry out the inventorization of all the springs in the vicinity of Lippa and Rarang during the construction and to maintain the records of the same and shall repeat the same practice during the construction phase and restore the same by any means if any discrepancies are observed during the construction phase but due to pending litigation in the NGT, villagers are not cooperating with the Project proponent; But now villagers of Lippa are welcoming and the Main construction activities from Lippa side has also started. Project activities are in progress from Lippa side too.
3.	Due to blasting in the tunnels it is apprehended that it will cause landslides which have not been indicated in R&R Plan and local people has been cheated.	Controlled blasting will be done and it will be ensured that there is no landslide and no damage to the property of the	In case of Kashang HEP Stage-I underground excavation is complete. The excavation of Stage II is stopped due to resistance by villagers of village Lippa. Project proponent is committed to carryout controlled blasting. Moreover the tunneling activities of Stage- II is across the Mountain and having the rock cover of 500

		Government and local residents.	mtr to 1500 mtr. Status same as already conveyed vide previous compliance. HPPCL has carried out a study on Safety of Public structure due to blasting in tunneling through central Institute of Mining and Fuel Research {Council of Scientific and Industrial Research}. <b><i>It shows that the magnitude of vibration after 60 m distance is safe but it became insignificant beyond 100m distance from the damage point of View.</i></b> In one of the HPPCL's project in Kinnaur i.e Shongtong Karcham HEP, HPPCL .
4.	Dust from the construction of project is likely to damage orchards and crops and is serious issue which has not been indicated in EIA/EMP report.	Mitigation measure to control dust due to construction of project have been suggested in EIA/EMP report.	Most of the Construction sites are far away from the human habitant and underground. Project proponent is committed to take mitigation measures. Sprinklers at various locations and daily sprinkling at specific periodicity and intervals were /shall be carried out (in case of IKHEP Stage –I). Same practice will be adopted in case of IKHEP stage- II & III when the construction activities will be started. Project Proponent had engaged an independent monitoring agency through its main contractor for monitoring of Environmental parameters i.e. Air water and noise. Apart from the HP State pollution control Boards. During the Construction period all the parameters were within permissible limits. Govt. of HP, Department of MPP and Power has formulated uniform policy for compensation for damage to crops during the construction of Hydro Electric Projects. On dated 11 <sup>th</sup> July, 2011. Even though in case of any damages occurred to the crops due to project activities project proponent is abided by the Guidelines / Notification issued by the Govt. of HP, Deptt. Of MPP & power time to time and in case of IKHEP Stage-I Project proponent had disbursed Rs3.97 crore as compensation to the villagers of Pangri in lieu of Damage to crop where as in case of loses of agriculture crops due to Project activities. Same practice will be adopted in case of any damage caused by the emission of dust in Stage- II .
5.	Adverse effects due to construction of project have not been mentioned	R&R Plan has been prepared in accordance to	Prior to project execution Environment Impact Assessment report is to be carried out to evaluate the environmental Impact, if any, by

	in R&R Plan.	the NRRP 2007 and Himachal Pradesh Hydro-Power Policy and the same has been approved by H.P. Government wherein all the aspects have been incorporated.	the project and on the basis of Environmental Impact assessment report Environment Management Plan has to be prepared to mitigate the Impact by the execution of the project, and in case of Integrated Kashang HEP (243 MW), project proponent has got conducted EIA and EMP studies through the Expert team of an independent agency i.e. HFRI . and after the recommendations of State Govt. and further, Expert Appraisal Committee of MOEF Govt. of India, EAC has recommended the final Environmental Clearance of Integrated Kashang HEP 243 MW. R&R plan is itself an Remedial document i.e. Rehabilitation and Resettlement Plan on the basis of Social Impact. Status same as already conveyed vide previous compliance as on Rs. 111.03 Crore has already being spent on for carrying out R&R activities.
6.	It is apprehended that there will be decrease in yield of fruits and vegetables and increase in unemployment due to construction of project, but there is no mention regarding the provisions of permanent solution for employment.	Employment will be provided to the local people in accordance to the notification of H.P. Government and there will be no adverse effect on vegetable and fruits production.	Govt. of HP, Department of MPP and Power has formulated uniform policy for compensation for damage to crops during the construction of Hydro Electric Projects on dated 11 <sup>th</sup> July, 2011. Further in case of Integrated Kashang HEP Stage -I a committee has been constituted to assess the compensation for Horticulture and Agriculture crops and the committee has conducted various visits to the PAA of IKHEP Stage I i.e village Pangi. During the reporting period HPPCL management has deposited Rs 3.97 Crore with the Local administration in lieu of damage to crop compensation to compensate the losses as per the above mentioned policy of HP Govt., Rs 25 lacs stands already deposited with the district administration for this purpose. Same practice will be followed in case of Stage II &III. Now The construction activities along with infrastructure development activities has started from Lippa side

7.	Due to construction of tunnel near by Dakchompa place, religious and pristine temple of Guru Padam Sambhav is likely to be damaged which has not been addressed, which is religious and important holy place for the villagers of Lippa.	There is no likelihood of damage to be caused to the temple, however; if damage occurs due to construction of project the same shall be compensated by the project proponent.	HPPCL has carried out a study on Safety of Public structure due to blasting in tunneling. through Central Institute of Mining and Fuel Research {Council of Scientific and Industrial Research}. <b><i>It shows that the magnitude of vibration after 60 m distance is safe but it became insignificant beyond 100m distance from the damage point of View.</i></b> In one of the HPPCL's project in Kinnaur i.e Shongtong Karcham HEP, HPPCL since the construction sites of stage II & III are far away i.e. Horizontally as well as vertically Aprox 1.00 Km from the project site & Project proponent is committed to carryout Controlled blasting, In case damage to any structure occurs the same shall be compensated logically and fairly.
8.	Dumping site at Lappo Ronnam is not appropriate /sufficient, which is likely to have substantial impact on the environment and aquatic life.	Dumping sites have been selected in consultation with forest department and capacity for dumping is adequate. All the dumping sites will be protected by providing retaining structures so that there is no spillage of debris.	The construction from the Lippa side has started and the suitability of the excavated material has been carried out and is suitable for utilization, Project proponent will encourage the maximum utilization of this excavated material. Moreover Project proponent will dispose off maximum muck to the other side of the ridge. i.e. Pangi side where project proponent has purchased sufficient private land for the same. And dumping will be done with Proper protection works so far as aquatic life is concerned Project proponent had got conducted a study from the Directorate of Cold water fisheries Bhim Tal, and above agencies had denied any fish fauna in the Kerang Stream .
9.	Impact on pasture and their customary rights have not been mentioned and how it will be compensated is not clear in the project report, which is very useful to the villagers of Lippa.	All the customary rights related to the forest produce will be protected and every care will be taken so that there is no damage to the forest produces, in case some damage is observed, the same shall be compensated by the project proponent.	All the customary & Forest rights of Kinnaur has been settled and well documented in the report "Forest settlement Report of Satluj Valley, Bushahr State Part -1" by HM Glover in the year 1921 and people of the District are enjoying the same. Project proponent has extended forest customary right equal to 500 days minimum wages to each PAF in lieu of this customary right in the Project affected area of Kashang HEP Stage-I and till date Rs 3.76 crore has been disbursed to 510 families and Rs.5.67 crore among 286 families of GP Lippa, Rs 7.02 crore among 308 families of GP Rarang has been compensated in lieu of settlement of Forest customary rights .

10.	As per the Ministry of Environment and Forest Notification, water from Kerang Khad should be discharged in the same Khad which is not proposed and water will be diverted to Kashang Kahd, as a result moisture contents will be reduced and will have adverse impact on Fruits and Crops.	Provision to ensure that 15% water is discharged from the Kerang khad as per H.P. Govt. notification will be kept and as such there will be no adverse impact on the fruits and crops. Regarding the discharge of water of Kerang Khad back in the same Khad is ruled out.	Project proponent is committed to comply with this condition. More over Scientific study from a reputed Institute for deciding the minimum flow to be released during the lean season is complete and report awaited and project Environment cell is continuously pursuing the matter telephonically with the IIT Roorkee. Prof. Arun Kumar of IIT Roorkee (HoD Hydrology has conveyed to the Project proponent that, 'this aspect of Hydrology is covered in detail in CEIA and separate study in IKHEP may not be required. PP is committed to comply the recommendations of the CEIA in case of IKHEP instead of carrying out same study again. Since Stage-I commissioned in Year 2016 and the construction of Stage II & III is in progress after the disposal of litigation in the Hon'ble NGT Since no diversion of water is undertaken yet and 100% of its discharge is flowing through its main course of stream /Khad as on date. In case of IKHEP Stage –I , project has been commissioned and project proponent has installed a continuous flow measuring device at intake site of IKHEP Stage-I and 15% water is discharged through it and being monitored by HP State pollution control board and can be checked online through. <a href="http://www.hppcblive.com/live/kashang">www.hppcblive.com/live/kashang</a>
11.	There is a serious problem of flood in Pazzar Nallah adjacent to Kerang Nallah every year which bring lots of debris, stones and silt to the down side. The water of Kerang Khad flushes/ removes the debris brought by Pazzar Nallah resulting in less damage to adjacent sites at the confluence point. If tunnel is constructed and water is diverted to tunnel from Kerang Khad, then debris, which is brought by Pizzer Nallah will be accumulated on the confluence point of Pizzer Nallah and kerang Khad. There is no solid solution to this problem only under	Proponents are aware of this problem and adequate amount for treatment for this problem which is mentioned in CAT plan will be provided. There will be proper water supply after tunnel preparation and there will be no debris accumulation in the area. When there is more debris accumulation there in the Nallah than project proponent will stop plant for two or three days and	Most of the Construction sites are far away from the human habitant and underground. Project proponent is committed to take mitigation measures. Sprinklers at various locations and daily sprinkling at specific periodicity and intervals were /shall be carried out (in case of IKHEP Stage –I). Same practice will be adopted in case of IKHEP stage- II & III when the construction activities will be started. Project Proponent had engaged an independent monitoring agency through its main contractor for monitoring of Environmental parameters i.e. Air water and noise. Apart from the HP State pollution control Boards. During the Construction period all the parameters were within permissible limits. Govt. of HP, Department of MPP and Power has formulated uniform policy for compensation for damage to crops during the construction of Hydro Electric Projects. On dated 11 <sup>th</sup> July, 2011. Even though in case of any damages occurred to the crops due to project activities project proponent is abided by the Guidelines / Notification issued by the

	EIA & EMP only for sake of formality, it is mentioned.	all water of Kerang Khad will be supplied for removal of debris.	Govt. of HP, Deptt. Of MPP & power time to time and in case of IKHEP Stage-I Project proponent had disbursed Rs. 3.97 crore as compensation to the villagers of Pangri in lieu of Damage to crop where as in case of loses of agriculture crops due to Project activities same practice will be adopted to compensate the losses in Lippa also.
12.	Provision of Rs. 2 crore for compensation/felling of trees is very less.	Compensation for felling trees which is sum of Rs. 2 Crore is adequate amount and the final amount will be decided by the Forest Department.	Provisions for compensation/ felling of trees are raised by the HP Forest Department being concerned & technically qualified for the same job. Compensation in lieu of the area CA & NPV is raised by the Forest Department in lieu of the amount of land diverted and to carry out the Compensatory afforestation, double the area diverted for said project and the Cost of trees to be felled will be separately raised by the forest department as per the nature and species of the trees to be felled according to schedule of payment of their own department and Project proponent has deposited Rs.1,0854,136/- In lieu of NPV, Rs. 36 lac. against CA and Rs. 2,32,43,829/- against Cost of 349 No. of trees in case of Integrated Kashang Stage –I & Rs. 1,19,57,406/- & Rs. 1,58,64,073/- against CA & NPV respectively for Integrated Kashang Stage-II & III. Compensatory afforestation double the area in lieu of forest land diverted for Integrated Kashang HEP stage–I i.e. 38 ha is complete. Compensatory Afforestation over 36 Ha. Against Stage II & III DFO Kinnaur, has been implementing the CA over 36 Ha. In UF Jangi, C 215 and UF Assarang. CA in respect of Kashng over the 35 ha fully utilized copy of Progress with survival % is enclosed as <b>Annex-F</b>
13.	There is no mention about 15-16 water resources falling in the project area in EIA & EMP.	A committee comprising of member of Project Proponent, IPH, revenue and representative of concerned Panchayat will be constituted and will carry out flow measurement in lean season and will also prepare video graphic film.	Project proponent is committed to carry out the inventorization of all the springs in the vicinity of Lippa and Rarang and kept the records of the same prior to the start of any construction activities and shall repeat the same practice during the construction phase and restore the same by any means. If any discrepancies are observed during and afterwards. Project proponent has already inventorized all the springs in the vicinity of LIPPA, Asarang, Tokto & Rarang, prior to start of Construction i.e. in the month of May and June, 2012 in the presence of representatives of above villages, till date no Major/ Main construction activities could be

		In case of reduction observed in the flow of water it will be compensated by the project proponent.	started from the Lippa side. Since the issue is disposed off and villagers are welcoming the project proponent and project proponent is committed to comply the commitment made in the NGT and EMP in totality
14.	It is apprehended that the customary rights of the local people to collect herbs and medicinal plants will be damaged and will affect the income source and there is no mention about this in the EIA & EMP.	All the customary rights related to the forest produce will be protected and every care will be taken so that there is no damage to the forest produce. In case some damage is observed the same shall be compensated by the project proponent.	All the customary & Forest rights of Kinnaur have been settled and well documented in the report ' Forest Settlement Report of Sutlej Valley, Bushahr State Part -1' by HM Glover in the year 1921 and people of the district are enjoying the same, Project proponent is extending forest customary rights equal to 500 days minimum wages to each PAF in lieu of forest customary right and in case of Kashang HEP Stage-I Project proponent has disbursed, 500 days minimum wages to residents of village Pangi and till 31-12-2016 Rs. 3,76,40,250/- have been disbursed among 510 Rs.5.67 crore among 286 families of GP Lippa, Rs. 7.02 crore among 308 families of GP Rarang has been compensated in lieu of settlement of Forest customary rights. As per the direction of Hon'ble NGT project proponent had place the entire proposal of FC before the affected Panchayat. for the settlement of Forest Right, and state Govt. has settled the Pending FRA of village Lippa,& District Kinnaur and in process as per the Provisions of Law
15.	There is no provision in the EIA & EMP regarding the dust emission from the dumping sites.	The provision for suppression of dust will be incorporated in the EIA & EMP.	Most of the Construction sites are far away from the human habitation and underground. Project proponent had carried out the mitigation measures as per the commitment made in the Environmental public Hearing, by sprinklers at various locations by providing sprinkling at specific periodicity and intervals in case of IKHEP Stage -I. Project Proponent had engaged an independent monitoring agency through its main contractor for monitoring of Environmental parameters i.e. Air Water and Noise apart from the HP State Pollution Control Boards and during the Construction period all the parameters were within permissible limits. Same practice will be followed in case of IKHEP stage- II when the construction activities will be started.

16.	It has been wrongly indicated in the EIA & EMP that there are 99% Hindu and 1% Budhist.	It will be corrected.	It has been corrected in the final EIA &EMP
17.	Sub-villages above the intake site have not been mentioned in the EIA & EMP.	The area will be inspected by project proponent along with the representatives of the village and if such area is found, the same shall be incorporated in EIA/EMP.	Status remains the same as per the status already conveyed vide previous compliance.
18.	15% discharge of water from the diversion structure is not sufficient.	The 15% water will be release from the diversion structure as per the H.P. Govt. notification.	Comments same as Sr. No. 10 above
19.	There will be adverse impact on Economic and Social culture. How it will be compensated.	There will be no adverse impact on the Economic and social culture.	It is well known fact that the Economic and social status of the PAA/ PAFs in the vicinity of the Project area is always flourished due to project activities, as new avenues of Employment and social activities will be generated, where as social culture of an area is also directly associated with the economic , and with the growth in the economic status. Social status is also improved, more over HPPCL has incorporated a vision to improve the economic status of the affected people from present level, by virtue of extending the benefits vested in the R&R plan in respect of economic and social culture as the Hydro Power projects are strengthening the growth and are backbone of state's economy .In case of IKHEP Stage-I , it is visually evident that the life style/living standard of villagers of Pangi is improved. Like prior to start of the construction project activities, majority of the Household were residing in Kachha Houses, whereas, today majority of the houses are Pakka/ RCC, buying/spending capacity of th villagers have improved, number of vehicle in the village is also increased, land holding of the village is also increased as HPPCL has provided/ improved Irrigation facilities. In totality the life style of the villagers has improved after the Project as



			discussed with the village Numberdar (Village Revenue Head). Same Practice will be adopted by the Project proponent in case of Stage II & III rest Status same as already conveyed vide previous compliance
20.	Have you conducted any study regarding reduction in the size of glaciers and what will be the impact on glaciers due to construction of the project?	No study has been conducted so far regarding reduction of glaciers.	No study has been conducted by HPPCL so far so far as reduction of glaciers is concerned.
21.	Is there any provision to provide jobs to every resident of Lippa.	Employment will be provided to the local people in accordance to the notification of H.P. Government.	As per the HP Govt. notification, employment will be provided to the local people and as per R&R plan of HPPCL, the Main PAFs who are eligible for direct employment but have not been provided employment will be given a special rehabilitation/employment grant equivalent to the 1000 days of minimum wages for labour per family. Where as in case of Integrated Kashang HEP Stage- I, 64No. of persons were engaged in HPPCL and at present 40 persons are currently engaged in HPPCL on Outsource basis. Apart from this main contractor i.e. M/s HCC had engaged 69 no., M/s Pate Engineering 46 no. & M/s Androids 9 no. were engaged same practice will be adopted in case of Stage II & IV ( Lippa Village)
22.	Representative of Lippa village opposed the construction of the project.	No comments	Now after the disposal of the case in NGT, villagers are welcoming the Project proponent for construction of Stage II & III and the infrastructure works related to the construction of project is in progress.
23.	People are being cheated /misguided through conducting public hearing.	People are not misguided /cheated through the public hearing but they are made aware about the project proposal and impacts on the environment and mitigation measures proposed by the project proponents.	People are not misguided /cheated through the public hearing but they are made aware about the project proposals. And Project proponent wants to involve the local people in the construction of project

24.	20% royalty should be paid to the residents of villager of Lippa	No comments	Since this is a policy of H.P. Govt. and HPPCL is entity of HP. Govt. and as per the new notification of LADF of dated 5 <sup>th</sup> Oct, 2011., after commissioning of the project the Govt. will provide 1 % free power to LADF. The amount so received shall be allotted by LADC in the form of cash transferred to all the families of the project affected area, yearly , during the entire life span of the project.
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**Details of issues raised during Public Hearing on 29-05-2009 at 11:00 AM for proposed Integrated Kashang HEP , Organized by H. P. State Pollution Control Board at Village Pangi, Tehsil Kalpa, Distt. Kinnaur H.P.:-**

Sr. No	Issues Raised	Remarks on the issues raised	
1.	Provision kept in the Environmental Management Plan should be properly implemented.	Environmental Management Plan will be strictly implemented and will be regularly monitored by the State Pollution Control Board.	EMP is implemented strictly as per the provisioned of Rs. 5150.51 Lakhs in EMP Rs 12976.15 lakhs had been exhausted in the implementation
2.	During the implementation of CAT Plan local people should be involved.	The CAT Plan is implemented by the HP Forest Department and project proponent will send this request to the Forest Department.	Verbally communicated by the concerned forest Deptt. that the CAT plan implementation is carried out by the local people at large. it was conveyed by the Forest department that the implementation works of CAT plan are being done by local contractors.
3.	How much time will this project take for commissioning as local resident of Pangi village are suffering from pollution due to inordinate delay in the construction of project?	It is likely to be completed by 2013.	As far as construction work of Integrated Kashang HEP stage- I has already been commissioned on March, 2016 and the commercial generation has started from Sept., 2016.

4.	Employment should be given to the Local People in the project and free electricity should be provided to the Project Affected Area.	Employment will be given as per the HP state Govt. Notification and preference will be given to the project affected people.	As per the HP Govt. notification employment will be provided to the local people and as envisaged in R&R plan of HPPCL, the main PAF who are eligible for direct employment but have not been provided employment will be given a special Rehabilitation/employment grant equivalent to the 1000 days of minimum wages for labour per family. Where as in case of Integrated Kashang HEP Stage- I, II &III, 64 No. of persons were engaged but at present 40 no of persons are engaged in HPPCL through work order / Outsource basis. and the Main contractor i.e. M/s HCC and M/s Patel Engineering and M/s Andritz Hydro had engaged 106 no., 46 no. & 9 no. during the construction period respectively and same practice will be followed in case of Stage II &IV ( Lippa Village)once the construction activities progress.in Stage I,Most of the outsource employee are engaged from Project affected villages Like prom Pangi- 56 numbers , From Lippa 1, Kalpa 2, Kothi 1, Khawangi 1, Total 61 Numbers
5.	Pastures in the Project Area are getting damaged due to the construction of Project road?	The muck/debris generated due to construction of project road is being utilized for the construction of road by way of filling and no damage has been caused to the pastures.	Since majority of the components of the IKHEP are underground and very limited components/ structures are on the open surface. i.e. Diversion structures and dumping yards, in case of Integrated Kashang HEP Stage-I, road connectivity to the area is already there, widening of the existing road and only 1000-1500 mts. Approach road was constructed, up to the diversion structure by adopting cut and fill type activity and muck generated was used for the same. Dumping of muck is being done on the designated dumping sites. And all the dumping yards are of temporary use and after completion of dumping, the diverted land shall be returned back to the HP Forest department after proper reclamation. There is no question of damage to the pasture of land due to construction of roads. More over it has facilitated the villagers, in their day to day life due to connectivity of approach roads to their Dogri and forest areas and same sequence will follow in Lippa valley.

6.	As it was decided by the Project proponent that all the infrastructure building such as school, hospital and colonies will be constructed in the Pangri village but now it is proposed to construct these structures at Reckong-Peo?	The project proponent clarified that the residential colony (Type-I, II) and dispensary will be constructed at village Pangri for Kashang HEP Stage-I.	Colony for O&M and Police chowky Building, Community hall for PAA of Pangri and Dispensary building was constructed in the acquired land of IKHEP Stage- I at Pangri Village as per the previously conveyed compliances but due to heavy snow fall & torrential rain fall and cloud burst in the month of Jan., Feb. & June, 2013 respectively heavy damages to the residential colony has occurred. During the reporting period Design team from Design office visited the Project site and submitted their drawing for strengthening the damage portion. But the GSI team declared this area highly vulnerable to landslide/subsidence and no construction is recommended. Rest status remains the same as per the status already conveyed vide previous Compliance Period ending Dec., 2016.
7.	Cracks have developed in the houses of local peoples due to construction of Project roads?	Any damage caused due to construction activity shall be compensated by the project proponent.	<b>This issue is closed.</b> Project proponent has already paid Rs123.96Lacs in lieu damage to structures due to construction activities in IKHEP Stage-I as per the version of LADC.
8.	Water from Kirang Khud should not be diverted into Kashang Khud .	This proposal is not feasible.	This proposal is not feasible.
9.	During the Project road construction Breast Walls have not been provided due to which cracks are appearing in the adjoining land?	The project proponent has assured to start construction work of breast walls wherever necessary very shortly.	<b>This Issue is closed.</b> Since all the activities completed in IKHEP Stage-I and Project proponent has complied all the Commitments made in the Public hearing.
10.	Due to unmettled Project road dust is being generated and effecting the local inhabitants?	It is not feasible to metal the project road during the construction stage, but water sprinkler will be provided to suppress the dust emission.	Sprinkling of the water is being carried out through water tankers deployed at various locations Sprinkling is being carried out with specific periodicity and interval and records are being kept in PIU.
11.	Damage caused to Kuhl due to construction of Project	Project proponent ensured to take Immediate effective steps	<b>This issue is closed</b> as Project proponent has already compensated for the same by providing HDPE pipes to the

	road has not been repaired.	to restore the damaged Kuhl.	affected villagers of PAA.
12.	How many dumping sites have been proposed and where crushers will be established?	13 dumping sites have been proposed and two stone crushing units have been proposed, one at Intake site and other at Akpa/Powerhouse.	Thirteen dumping sites have been proposed for Integrated Kashang HEP out of which five sites are being used for dumping of excavated material & compliance of the same is being submitted monthly to the HPSPCB,
13.	Study should be conducted with respect to adverse impact on the horticulture and agriculture.	It was clarified by the project proponent that most of the project components are underground and there will be no significant adverse effect on horticulture and agriculture.	Govt. of HP, Department of MPP and Power has formulated uniform policy for compensation for damage to crops during the construction of Hydro Electric Projects on dated 11 <sup>th</sup> July, 2011. Further in case of Integrated Kashang HEP Stage -I a committee has been constituted to assess the compensation for Horticulture and Agriculture crops and the committee has visited the PAA of IKHEP Stage I i.e village Pangti. During the reporting period on the basis of the recommendation of the Committee project proponent had deposited Rs,2.71 Crore with the local administration in lieu of compensation for damage to crops during the construction of IKHEP Stage-I.

10. Issue of Scientific study has been discussed in length in Para “10 of Environment Public Hearing dated 28.05.20109 at Lippa”

11. The wildlife life sanctuary exists at a distance of 1.5 Km from stage- IV. And project Proponent has obtained the Clearance from NBWL in its 31st meeting held on 12<sup>th</sup> &13<sup>th</sup> August, 2014 under the Chairmanship of Hon’ble minister of State for Environment Forests and Climate Change Copy of clearances letter has already conveyed in Previous compliance report .

12. Copy of news paper cutting of the advertisement has already conveyed in various previous compliance Report

#### **Environment Clearance Compliance**

Kashang HEP has been renamed as Integrated Kashang HEP. Environmental Clearance for the Project has been accorded vide Additional Director, GOI, and MoEF letter No. J-12011/13/2002-IA.I dated 15<sup>th</sup> Nov, 2002. Extension for this clearance has also been accorded vide GOI, MOEF letter No. J-12011/13/2002-1A.I dated 18.01.2008. The status of ongoing works further intimated to Additional Director MOEF, GOI, New Delhi vide DGM Kashang HEP, Rekong-Peo letter No: 2264-65 dated: 8.7.2008. Now, since the work on the Project has commenced within the extension period granted up to 15.11.2008, the clearance will remain valid for entire construction period. Moreover, environment clearance for all the stages of Integrated Kashang HEP (243 MW) has already been accorded by the GOI, MoEF

vide letter No. J-12011/81/2007-IA.I dated 16 /4 2010. The validity of the EC was for 10 years and the same was extended by the MOEF&CC vide its letter No. J-12011/81/2007-IA-I dated 16 Dec 2020.Compliance status of conditions of the Environment Clearance stipulated for Integrated Kashang HEP Stage-I, II, III & IV (243MW) is given as under:-.

**Part A: Specific Conditions:**

<p>(I) Catchment area Treatment Plan as has been proposed should be completed in 4 years. The plan is given below</p>	<ul style="list-style-type: none"> <li>• CAT Plan was proposed for IKHEP Stage-I for Rs 3.03 Crores.</li> <li>• Revised EMP, the provision of amount of CAT plan for IKHEP (243 MW) @ 2.5% i.e. Rs 30.50 Crores is kept as per the new notification.</li> <li>• HPPCL has deposited the proportionate amount of CAT plan's bill raised by H.P. Forest Department i.e. Rs 15.68. Crores.</li> <li>• Utilization of Rs 12.72 crore has received from HP Forest Department.</li> <li>• During this reporting DF Kinnaur has provided a consolidated Progress report of Rs 12,72,73,280/-as on date on account of CAT plan.</li> </ul>
<p>(II) The land holding of project affected persons whose land is being acquired to be submitted to this ministry. The benefits for the land losing households will be as per the Rehabilitation &amp; Resettlement Policy, 2006, Government of Himachal Pradesh. Adequate publicity of the compensation package should be circulated in the affected villages</p>	<ul style="list-style-type: none"> <li>• Acquisition of land for the construction of Stage-I has been completed</li> <li>• Project proponent had submitted the List of MPFs to the MoEF&amp;CC through its various Compliance reports i.e. the compliance report of dated 22.06.2012 .</li> <li>• Acquisition of land for stage II, III &amp; IV is under way.</li> <li>• The benefits to the land losing household's are admissible as per the Rehabilitation &amp; Resettlement plan.</li> <li>• Project proponent is implementing the various R&amp;R Schemes.</li> </ul> <p>IKHEP, HPPCL has disbursed the land compensation @1,04,000 per biswa (Rs. 20,80,000/ Bigha or Rs2,76,59,574.74 per ha) which is one of the highest rate of land compensation in the Stat apart from this Project proponent had disbursed the resettlement grant to the eligible land looser as per the R&amp;R plan of HPPCL</p>
<p>(III)The Commitment made during the public hearing should be fulfilled.</p>	<p>Project Proponent is committed to comply with all the commitments made during Public hearing and compliance of Commitment made during Environment public hearing is separately discussed in 'Para 13'.</p>

<p><b>(IV)</b> A scientific study from a reputed institute for deciding the minimum flow to be released during the lean season should be undertaken. Till the study is completed 15% of the average flow of four consecutive leanest months should be maintained for environmental flow. After the study is completed release of minimum flow should be study based or 15% whichever is higher.</p>	<p>PP had requested IIT Rookee to carry out the Scientific study for deciding minimum flow to be released during lean season. Dr. Arun Kumar HoD Hydrology of IIT Roorkee apprised PP that this aspect of Hydrology has been carried out in detail in CEIA of Satluj Basin as such separate study in IKHEP may not be required. However, in IKHEP Stage-I, E-flow @ 15 % is being released and being monitored by HP state pollution control board through its online portal .</p> <p>Since, diversion of IKHEP Stage II is yet not undertaken and the entire stream is flowing through its existing course.</p> <p>Moreover Project proponent is committed to release the 15% of the average flow of four consecutive leanest months for environmental flow. Since the construction of IKHEP, Stage -I is completed and as per the commitment made by the Project Proponent had installed the Continuous flow measuring device in intake for measurement of the 15% e-flow. Which can be verified from <a href="http://www.hppcblive/live/kashang">www.hppcblive/live/kashang</a>. moreover this aspect of EMP is also incorporated in the CEMP of Satluj basin and the aspect is dealt by the IIT Roorkee.</p>
<p><b>(V)</b> As committed during Environmental Public hearing, the project proponent should clear the shoal formed by silt brought by Garang (also known as Pazzar) a left bank tributary of Kerang khad near village Lippa well downstream of the project by either releasing enough downstream discharge during summer months or through other means.</p>	<p>PP has already committed in Hon'ble NGT to remove the shoal formed at confluence point by either releasing adequate downstream discharge or by other means including mechanical means. It has further been committed to construct suitable structures to protect the banks of Pezzar Khad, for which Budget Provision of Rs.1.88 Crore has been kept. To implement the commitments made, One Dy. Manager, One AO(R&amp;R ), and one JO( R&amp;R) has been posted to implement the commitments. All issues are being taken up one by one in consultation with the local bodies.</p>
<p><b>(VI)</b> All the equipment which are likely to generate high noise levels is to be fully mollified (noise Reduction measures).</p>	<p><b>This issue is closed.</b> In case of IKHEP Stage –I condition was fully complied and in case of IKHEP stage II &amp; III this condition will be complied.</p>
<p><b>(VII)</b> Consolidation and compilation of the</p>	<p>Excavation work of IKHEP Stage-I has completed and the construction works of Stage</p>

<p>muck should be carried-out in the muck dumping sites and the dumping sites should be above high flood level. The proposed plan for the generated muck of 1.17Mm<sup>3</sup>, of which 0.3Mm<sup>3</sup> is proposed to be reutilized for construction material &amp; other filling purpose and remaining 0.879 Mm<sup>3</sup> of muck which goes-up 1.231 Mm<sup>3</sup> (after increased volume) should be disposed of at 13 designate disposal areas should be strictly implemented.</p>	<p>II &amp; III is in progress from Lippa side due to litigation pending in the NGT construction activities were differed .</p> <p>Total Muck Generated in Stage-II&amp;III as on 31.03.2025 is =<b>1,96,120</b> Cum.</p> <p><b>Total utilized =57,622cum</b> Total Muck Dumped= <b>1,38,498</b> Cum.(Dumped in 5 No. dumping sites)</p> <p>Maximum reutilization of material is being ensured. Same practice will be continued in stage II &amp;IV. Muck management plan is being strictly implemented.</p> <p>Project proponent is encouraging for maximum utilization of excavated muck. Process of Biological treatment of the dumping site is in progress through expert contractors having experience in relevant field &amp;the reclamation works of utilized dumping site at Power House and IPS is completed</p>
<p><b>(VIII)</b> Compensatory afforestation programme proposed in 86 ha should be implemented in to-to. The proposed greenbelt development in 6 ha. Using 13 different plant species along the approach roads, residential areas, office complex, trench weir sites, powerhouse sites etc at a cost of Rs. 55 lakhs should be taken-up strictly</p>	<p>Against 18.7142 ha forest land diverted for Stage-I, an amount of Rs 33,66,650/- has already been deposited in CAMPA for carrying out Compensatory Afforestation (CA) over 38 ha. and said work has been completed . Against 17.6857 ha of Forest land diverted for Stage II &amp;III, an amount of Rs 1,19,57,406/- has already been deposited in CAMPA for carrying out CA over 35 ha. and said work is completed and DFO kinnaur has conveyed physical and financial progress with survival % is attached as <b>(Annexure-F)</b>.</p>
<p><b>(IX)</b> The fisheries management plan for stocking of fish in the streams, tributaries of Sutlej River and the main river itself @ 20,000 fry about 30 mm size fingerlings/annum should be strictly adhered. A total budget of Rs. 105 lakhs is allocated for this purpose should not be diverted.</p>	<p>Out of total outlay of Fishery management cost i.e. Rs.105 lacs, an amount of Rs 42 lacs has already been deposited with the Directorate of Fisheries. On receipt of physical and Financial Progress, the next installment will be released.</p>



<b>(X)</b> The proposed Wildlife Management, Development and Conservation of Biodiversity Plan of the sanctuary at a cost of Rs. 100 lakhs spread over 10 years should be taken up strictly in the area outlined in the plan (as mentioned in EMP-Chapter-5) without any diversion of funds.	Wildlife Management is a part of CAT Plan and has been reported under CAT Plan Head. Similarly during the reporting period no activities were carried out by the Divisional Forest Officer, Wildlife Sarahan due to non approval of APO apart from this as per the direction of NBWL 2% of the project cost amounting to Rs 9.56 lakhs had also deposited on this account for the management of wild life in CAMPA account.
<b>(XI)</b> The Wildlife sanctuary exists at a distance of 1.5 km from stage-IV. The Clearance from Steering Committee of NBWL under Wildlife (Protection) Act. 1972 should be obtained.	During 31 <sup>st</sup> meeting standing Committee of National Board for wildlife held on 12 <sup>th</sup> - 13 <sup>th</sup> August 2014 at Indira Paryavaran Bhawan, New Delhi and has recommended the proposal and MOEF Govt of India has conveyed the Clearance Vide its F No.6-47/2014-WL(31 <sup>st</sup> Meeting) GoI, MoEF&CC dated 03.12.2014 Copy already enclosed as Annexure-EC-III in previous compliance. In compliance to the NBWL's recommendation that the Project proponent has deposited Rs 9.5605 i.e. 2% of the Project cost for Core against integrated Kashang HEP Stage I.

**Part –B: General Conditions**

<b>(I)</b> Adequate free fuel arrangement should be made for the labour forces engaged in the construction work at project cost so that indiscriminate felling of trees is prevented.	L.P.G./kerosene oil heaters are being provided to the labour by the contractors and subcontractors of HPPCL. Community kitchen is functional for all and no fuel-wood from forest is being used for the labourer engaged in the construction activities of project, So far, during reporting period i.e., Oct ,2023 to March .2024, 52 numbers of cylinders (19Kgs/Cylinder) by M/S Patel Engineering , have been provided to the workers besides running a community kitchen/mess at different locations.
<b>(II)</b> Fuel depot may be opened at the site to provide the fuel (Kerosene/ wood/LPG) Medical facilities as well as recreational facilities should also be provided to the labours.	L.P.G./kerosene oil heaters are being provided to the labour by the contractors and subcontractors of HPPCL. Community kitchen is functional for all and no fuel-wood from forest is being used for the labourer engaged in the construction activities of project, So far, during reporting period i.e., So far, during reporting period i.e. Oct ,2023 to March .2024, 52 numbers of cylinders by M/S Patel Engineering , have been provided to the workers besides running a community kitchen/mess at different locations, A dispensary has been opened at project site with one Pharmacist and medical aids, at Intake sites by Ms Patel Engineering. Respectively. Time to time Medical camps were organized by HPPCL in Project affected areas and free medicines distributed. The main executing agency i:e M/s Patel Engineering Ltd. is providing adequate medical and recreational facilities for labourers by providing Television, sports

	<p>kits etc.</p> <p>During the reporting period, i.e. Oct 2024 to March 2025 expenditure incurred for providing medical facilities, by main contractor i.e. M/s PEL is nil :-</p>
(III) All the labours to be engaged for construction works should also be thoroughly examined by health personnel and adequately treated before issuing them work permit	<p>Prior to the engagements in the construction activities all the labors were thoroughly checked up and after ensuring the complete fitness the laborers are being engaged, routine checkups are being followed up by the Main contractors. All new labor being engaged is subjected to medical check-ups</p>
(IV) Restoration of construction area including dumping site of excavated material should be ensured by leveling, filling up of burrow pits, landscaping etc. The area should be properly treated with suitable plantation.	<p>The muck management proposal included in the EMP which includes engineering and biological measures for stabilization and reclamation of designated muck dumping sites. Out of 13 no. of dumping sites only 5 no. of dumping sites are being used. Excavation works of IKHEP Stage-I is complete except balancing reservoir and the construction works of Stage- II &amp; III not under taken from Lippa side due to litigation pending in the NGT, hence only 5 No. of dumping sites were used out of which dumping of muck near power house and IPS <b>is complete. Dumping in these sites has been stopped after the completion of excavation work.</b> Since dumping is complete in these dumping sites near power house site and IPS Site. Now all the restoration works of damaged protection works near power house and the engineering measurers/ restoration works of dumping sites at Intake, Power house and IPS have been completed which were damaged by the BRO as on June, 2016.</p> <p>As on date. 12,872 nos of create walls were constructed at various sites of IKHEP.</p> <p>Power House site = 11,871 Nos.</p> <p>Intake site. = 351 Nos</p> <p>IPS site- = 650 Nos</p> <p>The above mentioned gabion walls have been raised/constructed by the project</p>

	proponent with reclamation of dumping site /biological treatment/measures of the Dumping sites at Power House and IPS completed. . Now the Infrastructure works of Stage II &III and works of BR-III of stage- II &III is in progress and the utilization of Dumping site no 9-10 in Pangi intake site is being utilized. As on date 1,96,120 Cum of muck is generated from stage II &III and 57,622 cum has been utilized and 1,38,498 Cum, is dumped with proper engineering measures during the dumping of muck.
(V) Financial provision should be made in the total budget of the project for implementation of the above suggested safeguards measures	A provision of Rs 51.50 Crore has been kept for implementation of the EMP which includes the cost of implementation of these safeguards. Apart from this 1.5% of the total project cost is also kept as Local Area Development Fund, and a sum of Rs 7.06 crore has already been deposited with the local Area Development authority against Stage-I and process of releasing of next installment is in process against Stage- II & III subject to the outcome of NGT Judgment. Rs 12.23 Crore has been deposited in LADA . Since the IKHEP is registered as CDM project and revenue earned from the sale of certified emission reduction certificate (CER) 2% of the revenue will also be spent for the community development activities. However, it has been assured by the Management that adequate funds for implementation of EMP shall be made available.
(VI) Six monthly monitoring reports should be submitted to be Ministry and its Regional Office, Chandigarh for review.	Monitoring reports are being submitted regularly. Last report for the period ending Sept 2023 was sent vide GM Kashang letter No HPPCL/(IKHEP)/(E&F)(K-I)Vol XXII/2024 32580-84 dated 05.012.2024 copy attached as <b>Annexure - G</b>
6. Officials from Regional Office MOEF, Chandigarh who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection.	During this period the representative of Regional office MOEF Shimla/ has visited the project site of IKHEP.& STKHEP in the month of Feb,2024 HPPCL has provide full co-operation and documents/data available with the official (s)to The MOEF, Chandigarh/ Deharadun team during the Visit/inspection.
7. The responsibility of implementation of environmental safeguards rests fully with the Himachal Pradesh Power Corporation	Project proponent is abiding by the condition and for effective implementation of safeguard policies HPPCL has established an Environment cell at each project level with Experienced & qualified Environment and R&R staff

Ltd. & Government of Himachal Pradesh.	
8. The total amount of Rs. 51.50 Crores kept in the budgetary provisions for implementation of environmental management plan should be strictly adhered and not to be diverted for any other purpose.	Project proponent is abiding by the condition.
9. In case of change in the scope of the project would require a fresh appraisal.	No change in the scope is envisaged at present.
10. The Ministry reserve the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	In case of IKHEP Stage I, no additional safeguard measures were imposed by MOEF&CC.
11. This clearance letter is valid for a period of 10 years from the date of issue of this letter for commencement of construction work.	Stage I &III of the Project has already commenced.
12. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban Local NGO, if any from whom any suggestions/ representations, if any, were received while	Intimation of the Environmental clearance has been sent to the concerned Panchayat and published in two daily News papers and hosted in HPPCL's official website.

processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	
13. The project proponent should advertise at least in two local newspapers widely circulated in the region around the project had been accorded environmental clearance and copies of clearance letters are available with the state Pollution Control Board/ Committee and may also be seen at website of the Ministry of Environment and Forest at <a href="http://www.enfor.nic.in">http://www.enfor.nic.in</a>	Insertions in the News papers for wide publicity were made as directed. This condition was compiled at the time of processing EC clearance and same was conveyed vide previous compliance reports. vide HPPCL/(IK)/E&F(K-I)(XX/2019-20-3168-72 dated 05.11.2019.
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 by e-mail) to the respective Regional office of MOEF, the respective Office of CPCB and the SPCB	Monitoring reports are being submitted regularly. Last report for the period ending Dec , 2023 was sent vide GM Kashang letter No HPPCL/(IKHEP)/(E&F)(K-I)Vol XXII/2024 32580-84 dated 05.012.2024 copy attached as <b>Annexure - G</b>
15. Any appeals against the environmental clearance shall lie with the national Environment Appellate Authority, if preferred with the period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.	Two writ petitions filed by Bhagat Singh Kinnar Vs Union of India & Devi Gayan Vs Union of India were disposed off in National Green Tribunal , New Delhi on 28th January, 2016. The judgment against Appeals filed in the NGT against Environment and Forest clearance named 14/2011(T) & 28/2013 have been Pronounced by NGT on 28.01.2016 & 4.05.2016 which is available in the official web site of NGT i.e. <a href="http://www.greentribunal.gov.in">www.greentribunal.gov.in</a>

## Forest Clearance.

### Kashang HEP stage-I (65 MW):- Forest Clearance.

Forest clearance accorded vide letter No. 8-8/2001-FC dated 23-06-2004 Govt. of India, Ministry of Environment & Forests) (FC division) Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi,- 110003 by Assistant Inspector General of Forests.

Compliance status for the condition included in the letter is given below. Area is given in Ha (hectares) and amount in INR - Indian Rupees (Rs) the unit used is Lakh/lac (One Lakh is equal to one hundred thousand or 0.10 millions) and crore (one crore is equal to 10 million or 100 lakh).

Forest clearance of Integrated Kashang Stage II & III has been accorded vide letter No. F. No. 9 HPC 366/09-CHA Govt. of India, Ministry of Environment and Forests (FC Division dated 14<sup>th</sup> June 2011) Paryavaran Bhawan, CGO Complex, Lodhi Road, New –Delhi- 110003 by Assistant Inspector General of Forests

Sr. No	Measures/ stipulation	Compliance Status
1	Legal status of the forest land shall remain unchanged.	HPPCL will not seek any change in legal status of the forest land.
2	Compensatory afforestation will be raised and maintained over degraded forest land i.e. over 38.00 ha at the cost of User Agency.	<b>This issue stands closed.</b> As per the status already conveyed vide previous Compliance HPPCL-ESMU-IKHEP-Env.Comp.Rprt-2011/IX Period ending July 2013 to Dec 2013.
3	Since the project area fall in the temperate zone of Himachal Pradesh, the compensatory afforestation shall be raised with the same species which are proposed to be felled.	<b>This issue stands closed.</b> As per the status already conveyed vide previous Compliance HPPCL-ESMU-IKHEP-Env.Comp.Rprt-2011/IX (Period from July 2013 to Dec 2013).
4	Felling of trees shall be done only when necessary and should be done with the prior permission of the state forest department	<b>This issue stands closed.</b> As per the status already conveyed vide previous Compliance HPPCL-ESMU-IKHEP-Env.Comp.Rprt-2011/IX Period from (July 2013 to Dec. 2013).
5	Plantation of suitable indigenous species should be taken up on all the vacant land, approach road etc in the project area.	Since, the construction work of stage- I stand completed and the construction works of Stage- II & III is under progress, due to pending litigation in NGT same could not be completed

		<p>&amp; it is not possible to undertake the plantation simultaneously with construction works. The plantation in the vicinity of Intake of IKHEP Stage –I were carried out by the Project proponent after the commissioning of Project in plantation season during 2017. Once the construction works of Stage II &amp; III are over, plantation will be carried out as per the availability of suitable area, in consultation with HPFD. However HPPCL has planted 200 Rubinia plants in the Pangi Colony with the help of CBO in consultation with the HP Forest Department. But, due to heavy snow fall in the winters i.e. Jan. &amp; Feb. 2013 majority of the plants got damaged and consequently unprecedented snow fall and torrential rain in the month of June 2013 in Distt. Kinnaur, heavy loss to the project occurred and due to the torrential rain a slip near Pangi Village got activated due to which the stretch of 300m road to Intermediate Pressure shaft got damaged and consequently, resulting slide damaged the NH -5 (formerly NH-22) and approach road to power house in the downhill due to this, the construction works of power house and Intermediate Pressure shaft had badly hampered. During this period due to the non availability of the space across the approach roads, plantation work was not carried out across the approach roads. Project proponent has taken up this matter with the divisional forest officer at Reckong- Peo and deposited Rs.5 lacs. for raising suitable Nursery as per the provision vested in EMP. DFO Kinnaur has assured, forest department will supply the requisite nursery as and when required basis. Project proponent had planted 4500 plants of various species over two location in the Intake site of IKHEP Stage- I as on date but during the reporting period no plantation were carried out due to non plantation season. As per the recommendation of DFO, Kinnaur Division for maximum survival rate.</p>
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6	Reclamation of Quarry site shall be carried out at the cost of user agency under the supervision of state forest department. A suitable scheme should be prepared and reclamation of quarries should be completed before the project is closed.	<b>No activities have been carried out during the reporting period.</b> Status remains the same as per the status already conveyed vide previous Compliance report of 3rd quarter for the period ending Sept. 2016. Due to availability of suitable material from the excavation and direction of HP State Pollution Control Board, regarding maximum utilization of excavated muck. Project Proponent did not use any quarry site for quarrying.
7	The dumping area shall be stabilized and re-claimed and plantation of suitable species shall be carried over. Dumping area at the cost of user agencies under supervision of State Forest Department.	<p>The muck management plan included in the EMP which includes engineering and biological measures for stabilization and reclamation of designated muck dumping sites. Out of 13 No. of dumping sites only 5 No. of dumping sites are being used at present and engineering measures are being adopted. Since Excavation works of Stage-I are now completed and Excavation of BR-III of IKHEP Stage II &amp; III from Pangri side is being carried out and dumping is being carried out in designated dumping sites. So far, engineering measures, like retaining structures have been raised on the approved /designated dumping sites and as on date were crate wall / protections works were raised at various locations :-</p> <p style="padding-left: 40px;">Power House site = 11,871 Nos.  Intake site. = 351 Nos  IPS site = 650 Nos  Total = 12,872 Nos.</p> <p>i.e 12872 nos of crate walls were raised at various sites of IKHEP. Consequent upon the instruction issued to the Main Contractor for raising additional protection walls before TOC. 50 numbers of additional Crate walls near Power House and 27 numbers near Intake and 5 additional crate walls were erected at various dumping sites after the Completion of the Muck Dumping at various designated dumping sites of IKHEP Stage-I. Reclamation /Biological treatment by laying Geo-tech erosion control green blanket, plantation, Vegetation etc. were carried out by project proponent with around 4500 various</p>



		local species over the dumping sites at power house & IPS area which got damaged by the BRO, in the process of Clearing the block edge of Road and widening of road NH 05,during 2016-17.
8	The user agencies shall ensure that muck does not roll down the slopes and damages the forest in the adjacent area.	All the necessary steps to prevent rolling down of muck to adjoining forest land were taken care during the construction period of IKHEP Stage-I. To prevent the rolling down of muck into the forest Project proponent had constructed sufficient numbers of retaining walls, Gabions through its main contractors. As on date,.12872 Nos of gabion / wire crate walls have been constructed at various sites (Power House site 11871, Intake site- 351 Nos & IPS site- 650Nos) by main contractors i.e. by M/S HCC and M/s PEL during the biological treatment of Power site 369 numbers of crates were also erected to ensure the rolling of muck and to protect the biological treatment Apart from this, project proponent has established a Eco monitoring unit chaired by Divisional Forest Officer and RO / ACF as Member Secretary, Environment Engineer of Concerned RO, HPSPCB for the monitoring of impact of the project on flora and fauna for which Project proponent has agreed to bear the cost of monitoring expenditure for which project proponent had deposited Rs, 6,00,000/- were with DFO Kinnaur on account of ecological monitoring unit to monitor the impact of projects on flora & fauna in respect of Integrated Kashang HEP & Shongtong Karcham HEP. DFO Kinnaur has also conveyed the utilization of the amount and the same was conveyed in previous report.
9	The Catchment Area Treatment Plan should be implemented at the project cost the amount deposited by the user agency should be placed at the disposal of the concerned divisional Forest officer immediately for the implementation of the CAT plan.	<ul style="list-style-type: none"> <li>CAT layout Plan was proposed for Kashang HEP stage-I for Rs 3.03 Crore and whole amount has been released to HPFD by the project proponent. As per the revised EMP, the Provision of CAT plan for Integrated Kashang HEP (243 MW) @ 2.5% of project cost i.e. Rs. 3050.60 lacs. kept as per the new notification. CAT</li> </ul>

		<p>Plan was proposed for IKHEP Stage-I for Rs 3.03 Crores.</p> <ul style="list-style-type: none"> <li>• Revised EMP, the provision of amount of CAT plan for IKHEP (243 MW) @ 2.5% i.e. Rs 30.50 Crores is kept as per the new notification.</li> <li>• HPPCL has deposited the proportionate amount of CAT plan's bill raised by H.P. Forest Department i.e. Rs 16.03. Crores.</li> <li>• Utilization of Rs 12.72 crore has received from HP Forest Department.</li> <li>• During this reporting DF Kinnaur has provided a consolidated Progress report of Rs 12, 72 73,3280-as on date on account of CAT plan.</li> </ul> <p>(copy of the progress is <b>attached as Annexure-A</b>).</p>
10	Suitable scheme should be prepared for the utilization of the amount of Rs. 93.97 lakhs deposited as net present value by the user agency	<p><b>This issue is closed</b> .The revised amount in lieu of NPV against Stage -I (Rs. 1, 08, 54,136/-) has been deposited with the HP Forest Department/ CAMPA account of MoEF,CC. Mandate of preparing detailed scheme for utilization of NPV funds is of State Forest Department.</p>
11	All the area required for temporary use will be handed over back to the forest department after proper rehabilitation at the project cost and under the supervision of state forest department	<p>Project Proponent is committed to comply with this condition. Stage- I of IKHEP is complete and the reclamation with biological measures of the utilized dumping sites against IKHEP Stage I is in progress. Once the reclamation works are completed the dumping sites will be handed back to the HP Forest Department (HPFD) with proper rehabilitation. Project proponent had handed back the 4.2105 ha of un-utilized diverted forest land to the Divisional Forest Officer Kinnaur vide letter No 5749-60 dated 25.03.2017 with intimation to IG Forest (FC division), MoEF&amp;CC Govt. of India as conveyed in the previous Compliance report Period ending Dec 2017 .</p>

12	All effort shall be made for protection of environment at the cost of user agency.	HPPCL is committed to protect the environment. HPPCL has established an Environment and R&R Cell in its Organization itself and. Dy. General Manager (E&R), Dy. Manager, (Env.) and R&R staff is deployed at all the Project sites to implement the EMP to protect the environment. Provision of Rs 51.50 Crore has been kept for implementation of EMP of Integrated Kashang HEP (243MW). Time to time experts from the ADB & consultants of Lahmeyer has inspected the sites and suggested the remedial measures for better implementation of environmental norms. Apart from this, even at project level a monitoring committee has been constituted under the Chairmanship of Divisional Forest Officer Kinnaur, with members from HP State pollution Control Board and Concerned Range officers of respected ranges. Project proponent has already deposited Rs 6 lakhs on Pro-rata basis to DFO Kinnaur against Ecological Monitoring of IKHEP and Shongtong Karcham HEP for monitoring / watch and ward of The Forests area to safeguard of Antipouching / Fire incident and patrolling and expenses of the same is also borne by the Project proponent .
13	No labour camps shall be set up in forest area nor should any habitation be allowed to come up in the forest area.	This condition has already been compiled by the project proponent during the construction of IKHEP Stage I and the same practice is being followed for the construction of IKHEP Stage II & III. All the labour camps are situated outside the forest area, to avoid such situations. Labourers engaged in the construction activities are provided with mess facilities and heating arrangements by main contractors. Apart from this, an ecological monitoring committee has been set up under the Chairmanship of DFO Kinnaur with three other members from various departments for additional check for the same. And for which project proponent had deposited Rs 6 lakhs on Prorata basis to DFO Kinnaur against Ecological Monitoring of IKHEP and Shongtong Karcham HEP for monitoring / watch & ward of the Forests area to safeguard of ant poaching/ Fire incident

		through patrolling and other expenses. Rest status remains same as previous compliance.
14	All effort shall be made by user agency to avoid any damage to the wild life found in the area.	Project proponent has inserted a clause in this regard in the tender agreement for all the Contractors/Subcontractors. Periodic inspection of areas adjoining to the labour camps and project work sites are being carried out to prevent such damages. Project proponent had also obtained the Clearance from NBWL and NBWL had imposed a condition that the project proponent will deposit 2% of the project cost for conservation of wildlife and other related activities for which project proponent had obtained administrative and financial approval from the Competent authority of HPPCL and the releasing of Rs 9.42 crore against IKHEP Stage I is in process, Apart from this, an Ecological monitoring Unit has been set up under the Chairmanship of DFO Kinnaur with three other members from various departments During this quarter the Project proponent has deposited Rs 6 lakhs. on Pro-rata basis with DFO Kinnaur, for monitoring / watch and ward of the Forests area to safeguard of Antipoaching/ Fire incident through patrolling and other expenses.
15	Steps may be taken to minimize biotic pressure over adjoining /nearby forests.	Although the construction activities of Stage-I has already completed in the year 2016. But, during the construction period of IKHEP Stage- I, to mitigate the biotic pressure over adjoining /nearby forests, project proponent were providing suitable alternate arrangement of fuel wood/ for all the labour and staff. There is a provision of subsidized fuel to the labourers engaged in the construction activities of project and main contractor were providing free of cost LPG Cylinders to the labourers. Besides this, CA over double area diverted for construction of the Project and CAT Plan funds out of Rs30.50.crore Forests department has utilized the CAT funds of Stage-I.i.e. Rs 3.03Crore in the project area.
16	The forest land shall not be used for any purpose other than that specified in the	Project proponents abide this condition.

	proposals.	
17	The forest land thus diverted shall be non-transferable, whenever and whatever extent of the forest land is not required by user agency, it shall be surrendered to state Forest Department after proper rehabilitation under intimation to Ministry.	Presently, all the forest land diverted for the purpose of this project is being used by the Project Proponent for the construction of project components and associated facilities/activities. However, on completion of project, forest land diverted temporarily shall be returned back to HPFD after due rehabilitation.
18	Any other condition that the state government or Forest (Central) Chandigarh may impose from time to time in the interest of afforestation and protection and improvement of flora and Fauna of the area.	None of the condition has been imposed by the State Government /Forest Department in this regard so far.



**Reclamation of Dumping site at Power House of IKHEP with Geo -Tech ,Net Green blanket**

### Integrated Kashang HEP Stage -II & III (130 MW):- Forest Clearance.

Forest clearance of Integrated Kashang Stage- II & III has been accorded vide letter No. F. No. 9 HPC 366/09-CHA, Govt. of India, Ministry of Environment and Forests (FC Division dated 14<sup>th</sup> June, 2011) Paryavaran Bhawan, CGO Complex, Lodhi Road New –Delhi- 110003, by Assistant Inspector General of Forests.

Compliance status for the condition included in the Clearance letter is given below. Area is given in Ha (hectares) and amount in INR - Indian Rupees (Rs) the unit used is Lakh/lac (One Lakh is equal to one hundred thousand or 0.10 millions) and crore (one core is equal to 10 million or 100 lakh).

1.	Legal status of the diverted forest land shall remain unchanged.	HPPCL will not seek any change in legal status of the forest land.
2.	Compensatory afforestation will be raised and maintained by the State Forest department at the project cost.	Rs. 1,19,57,406/- & Rs. 1,58,64,073/- were deposited against CA and NPV respectively and due to un availability of Forest land in the Kinnaur Circle, against CA of IKHEP stage- II &III has diverted the fund to Rampur Circle for Compensatory afforestation of 36 ha. as intimated by Divisional Forest Officer, Kinnaur. But, due to intervention of NGT, DFO Kinnaur was requested by project proponent to spent the funds of CA in Kinnaur only and aforesaid authority has reverted back the funds to Kinnaur and prepared an APO for the CA over the 35 Ha of land for Compensatory Afforestation (CA of IKHEP Stage- II &III). DFO Kinnaur has has completed in allocated CA sites i.e. UF Jangi, C-215 Lippa and UF & UF Jangi,C215 & UF Assarang copy of Physical and financial progress report with survival percentage is enclosed as <b>Annexure-F</b>
3.	The user agency shall furnish and undertaking to pay the additional NPV, if so determined, as per the final decision of Hon'ble Supreme Court of India.	The project proponent has furnished the requisite undertaking and is committed to comply with this condition.
4.	The user agency shall implement all the conditions of the Muck Rehabilitation Plan under supervision of the State Forest Department at the project cost.	Project proponent is abide by these conditions and committed to comply all the conditions of the Muck Rehabilitation Plan under supervision of the State Forest Department and HP State Pollution control Board in case of Stage –I, same shall be implemented in Stage II &III also.

5.	<p>In addition to condition 4 above, following activities shall be undertaken by the user agency under supervision of the State Forest Department at the project cost.</p> <ul style="list-style-type: none"> <li>i. The user agency should ensure that muck does not roll down the slopes. All such areas where muck has rolled down the slopes shall be rehabilitated at the cost of user agency and under the supervision of State Forest Department.</li> <li>ii. Construction of check dams, retention/ toe walls to arrest sliding down the excavated material along the contour.</li> <li>iii. The dumping area should be stabilized and reclaimed and plantation suitable species be carried out over dumping areas at the cost of the user agency under the supervision of State Forest Department, retaining wall and terracing shall be carried out to hold the dumping</li> </ul>	<p>Project proponent will abide by these conditions and committed to comply. Project proponent had ensured that no muck is rolled down the slopes. All such areas where muck is supposed to roll down shall be rehabilitated at the cost of Project Proponent and under the supervision of State Forest Department. All the steps necessary to prevent landslides, rolling of muck to adjoining land were avoided by constructing retaining walls, gabions &amp; other structures. As on date, 12,872 nos of crate walls were constructed at various sites of IKHEP as narrated below.</p> <p>Power House site =11,871 Nos.</p> <p>Intake site. = 351 Nos</p> <p>IPS site = 650 Nos</p> <p>Total = 12971 Nos.</p> <p>Total of 12872 nos of crate walls were raised at various sites of IKHEP Consequent upon the and instruction issued to the Main Contractor for raising additional protection walls before TOC 50 numbers of additional Crate walls near Power House and 27 numbers near Intake and 5 additional crate walls were erected at various dumping sites after the Completion of the Muck Dumping at various designated dumping sites of IKHEP Stage-I. Reclamation /Biological treatment by providing green net blanket of the same has already done at Dumping site at Power House and IPS Around 4500 new plantation were also done . 369 No of new crates were erected prior to biological treatment to create a buffer zone and to protect the soil erosion and a mandatory requirement by HP State Pollution control board</p>
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	material in place. Stabilization and reclamation of such dumping sites shall be completed before handing over the same to State Forest department in a time bound manner as per plan.	
6.	The state government shall implement the recommendations of the standing committee of NBWL on the EIA/EMP of the project area and its impact on Lippa and Asrang wildlife sanctuary.	NBWL on its 31st meeting of the standing Committee held on 12-13 August, 2014 at Indira Paryavaran Bhawan, New Delhi recommended the proposal. Copy already enclosed in previous compliance Report. HPPCL is committed to comply with the conditions of NBWL regarding depositing 2% of the project Cost. Since the litigation against the FC of IKHEP Stage II & III is disposed of and the project proponent had obtained the approvals i.e. administrative approvals and financial concurrence of 2 % of the project cost against IKHEP Stage I, and the project proponent had made a payment of Rs.9.42 Core i.e. 2% of the Project cost for the management of wild life in the area . Since, the Litigation against the FC is disposed off and this office had initiated the process of obtain the AA /FC of 2% of the project cost against IKHEP Stage II & III amounting to Rs 9.62 crore as per compliance to the NBWL conditions but as per the new notification MoEF has withdrawn the 2% condition of the cost of project for mitigation and wildlife conservation for the projects located in the vicinity of the Protected area / wildlife sanctuaries/ National Parks vide its Notification No. i-20/2014 WL(Pt) dated 24. November 2015. Although project proponent had sought clarification in this matter from MoEF&CC through PCCF wildlife Govt. of HP.
7.	The user agency shall set up Ecological Monitoring Unit to monitor the impact of the project on flora and fauna of the area.	This condition is being complied by the project proponent. Since, Project proponent had already established a monitoring committee under the Chairmanship of Divisional Forest Officer Kinnaur, with members from HP State Pollution Control Board and Concerned Range Officers of respected ranges and for which Project proponent has deposited Rs. 6 lacs on prorata basis for monitoring / watch and ward of the Forests area to safeguard of Antiporching/ Fire incident through patrolling and other expenses. Copy of U/C provided by



		the DFO Kinnaur had already conveyed in previous compliances, and same practice will be followed for stage II & III.
8	The user agency shall keep the effect of camping labourers on the flora and fauna during the construction phase of 48 months at minimum by providing alternate fuel for cooking and heating.	Although the construction activities of Stage-I completed and thus, this aspect is almost closed now. <b>but</b> , in case of IKHEP Stage II & III due to pending litigation no major construction activities is going on, but during the construction period of IKHEP Stage I, to mitigate the biotic pressure over adjoining /nearby forests, project proponents were providing suitable alternate arrangement of fuel wood/ for all the labour and staff. There is a provision of subsidized fuel to the labourers engaged in the construction activities of project and main contractor were providing free of cost LPG Cylinders to the labourers. During this reporting period i.e Sept 2024 to March 2025, 40 numbers of cylinders (19Kgs/Cylinder) by M/S Patel has been provided to the workers besides running a community kitchen/mess at all locations being the main contractors of IKHEP Stage II & III . Besides this CA over double the area diverted for construction of the Project and CAT Plan fund out of Rs 12.72 has already been utilized By Forest department in the project area. Nil progress is conveyed by the Forest Department during the reporting period , copy attached as <b>Annex-A</b> .
9	The entire reservoir created due to submergence shall be declared reserve Forest under Indian Forest Act, 1927. However, regulated fishing shall be allowed.	Since, Integrated Kashang HEP is R-o-R scheme and no reservoir will be created, only a diversion structure i.e. trench weir will be raised over the river bed. Hence, no reservoir will be created nor any fishing activities will be carried out in the Kashang HEP done. Since, no fish is even available in this stretch, as certified by the Directorate of cold water fisheries Bhim Tal. Hence, no question of submergence and fishing arises.
10	Catchment Treatment Area Plan should be implemented at the project cost under the supervision of the State Government.	<ul style="list-style-type: none"> <li>• CAT Plan was proposed for IKHEP Stage-I for Rs 3.03 Crores.</li> <li>• Revised EMP, the provision of amount of CAT plan for IKHEP (243 MW) @ 2.5% i.e. Rs 30.50 Crores is kept as per the new notification.</li> <li>• HPPCL has deposited the proportionate amount of CAT plan's bill raised by H.P. Forest Department i.e. Rs 16.03 Crores.</li> <li>• Utilization of Rs 12.72 crore has received from HP Forest Department.</li> <li>• During this reporting DF Kinnaur has provided a consolidated Progress report of Rs 12, 72, 73,280/-as on date on account of CAT plan.</li> <li>• Nil progress is conveyed by the Forest Department during the reporting</li> </ul>

		period , copy attached as <b>Annex-A.</b>
11	Green belt of adequate width shall be raised by the user agency around the reservoir at the cost of project.	Since, Integrated Kashang HEP is R-o-R scheme and no reservoir will be created, only a diversion structure i.e. trench weir will be raised over the river bed. Hence, no reservoir will be created plantation will be carried out once the project is completed with suitable species .
12	The user agency shall implement the outcome of the basin level study on the impact of HEPs on the flora and fauna of the as per the TOR submitted to MoEF.	<b>Status remains same as per the previous compliance.</b> Since, project proponent committed to comply the outcomes of the basin level study of Satluj basin on the recommendation of MoEF Govt. of India. Himachal Pradesh is getting study conducted for cumulative or ecological aggregate ecological impact of all the Hydro power Projects in operation and under execution or are planned for implementation in near future in Sutlej Basin of Himachal. Job of this study has been awarded to Indian Council of Forestry Research and Education Dehradun in Feb. 2012 and accordingly, GoHP has constituted two members panel of Environment and social Expert (PESE) (Sh. D.C.Khanduri (Rtd.IFS) Dehradun and Dr. Rashmi Nayar, Associate Professor and Management of Land Acquisition Resettlement and rehabilitation Administrative Staff college of India.) towards states compliance for Environment and Social Development policies in regard to the development of Hydro Power Projects in the Satluj basin of Himachal Pradesh. Recently in this regard, the experts Panel along with the two senior officers of Directorate of Energy GoHP visited the various Hydro Power Projects and on 7 <sup>th</sup> Dec. 2013and DOE has organized a meeting with the Panel of Environment and Social Experts(PESE) for Satluj basin from 12 <sup>th</sup> August to 18 <sup>th</sup> August at various locations as on, 12.08.2014 at Jhakriand on 13 <sup>th</sup> August, 2014 at Reckong Peo and Lippa and on 14 <sup>th</sup> August, 2014 at Pooh and Nako on 16 <sup>th</sup> August at Tabo. Consequent upon this meeting on the demands of the stakeholders and villagers of various villages. DoE has been requested to hold another meeting in the presence of panel of experts involved in the preparation of these reports and DoE has arranged another meeting with Stakeholder at Reckong Peo on 8 <sup>th</sup> and 9 <sup>th</sup> Dec. 2014 at Pooh . Consequent upon the above facts, the committee has submitted the draft report on CEIA of Satluj basin to DoE and DoE has placed the same in its official website of DoE and ICFRI has submitted the final report to MoEF&CC. which is in consideration with the EAC of MoEF&CC and last EAC meeting in this regard was held in 18.10.2023.

		Project proponent is committed to implement the recommendation of the Committee. Status remains same as above/previous compliance.
13	The user agency to consult other companies having experience in construction of roads in hilly areas such as BRO to avoid frequent road blockade due to land Slides, etc, and shall provide breast walls and retaining walls wherever necessary.	The user agency i.e. HPPCL is sister concern of Himachal Pradesh State Electricity Board Ltd. (HPSEBL) which is having sufficient experience in construction of roads and related civil works, as and when basis, user agencies consulting the HPPWD and BRO. Likewise in case of restoration work of damaged road of intermediate pressure shaft of IKHEP, the same were being Executed through PWD, although the expenditure of the same was borne by Integrated Kashang HEP. Rest status remains same as above/previous compliance.
14	The forest land thus diverted shall be non-transferable. Whenever the forest land is not required, it shall be surrender to the State Forest Department under intimation to the Ministry.	Project proponent agrees with this condition. Presently all the forest land diverted for the execution of this project is being used by the Project Proponent for various project activities. Although project proponent had surrendered 4.2105 ha. of unutilized land to DFO Kinnaur with intimation to IG forest (FC Division ), MoEF, GoI New Delhi and on completion of project proponent shall return all the temporary forestland diverted to HPFD after due reclamation.
15	Other standard conditions as applicable to proposal relating to Hydro Electric Projects will be applicable in the case also.	All the other standard conditions as applicable to proposal related to Hydro Electric Projects is acceptable to Project proponent.
16	Any other condition that the Conservator of Forest (Central), Regional Office, Chandigarh, may impose from time to time for protection and improvement of flora and fauna in the forest area shall also be applicable.	None of the condition has been imposed by the State Government / Forest Department to Project proponent as on date.

Annexure-A

No. (Acctt)2024-25/ 704  
H.P. Forest Department.

Dated R/Peo, the 21-05-2025

From:- D.C.F. Kinnaur.

To:- CCF (T) Rampur.

**Subject :-** **Submission of Quarterly Progress report regarding Kashang  
CAT Plan for the quarter ending 31-12-2024**

**Memo:-** The Quarterly Progress report regarding Kashang CAT Plan for the  
quarter ending 31-12-2024 in respect of this Division treated as nil please.

  
**Deputy Conservator of Forests,  
Kinnaur Forest Division at R/Peo.**

No. (Acctt)2024-25/ 703  
H.P. Forest Department.

Dated R/Peo, the 21-05-2025

From:- D.C.F. Kinnaur.

To:- CCF (T) Rampur.


**Subject :-** **Submission of Quarterly Progress report regarding  
Kashang CAT Plan for the quarter ending 31-03-2025**

**Memo:-** The Quarterly Progress report regarding Kashang CAT Plan for  
the quarter ending 31-03-2025 in respect of this Division treated as nil please.

  
**Deputy Conservator of Forests,  
Kinnaur Forest Division at R/Peo.**



Status of details of expenditure under R&R activities carried out against IKHEP Stage- I II & III as on 31/03/2025		
Sr. No.	R&R and other activities	Total Amount
1	Land Compensation	45,38,52,964.00
2	Financial Assistance in Lieu of Forest Customary Rights to 510 PAF's of GP, Pangai	3,76,40,250.00
	Financial Assistance in Lieu of Forest Customary Rights to 286 PAF's of GP, Lippa	5,67,59,188.00
	Financial Assistance in Lieu of Forest Customary Rights to 308 PAF's of GP, Raranga	7,02,80,126.00
	R&R Grants	96,97,087.00
3	356 No. Works awarded to 73 Contractors (w.e.f year 2008 to March, 2024)	21,19,22,907.00
4	LADF (Local Area Development Fund) deposited against Stage -I (Rs. 9.06 Crore), Stage-II & III (51700000 Crore) of IKHEP.	14,23,00,000.00
5	<b>Damage Compensation</b>	-
6	Compensation for Cracks in houses (151 Families)	25,00,000.00
i	Additional Compensation for Cracks in houses	80,00,000.00
	Damage Compensation (5 No. Families)	18,95,873.00
ii	<b>R&amp;R Activities</b>	-
7	Crop compensation w.e.f. 2010-11 to 2015-16	3,97,19,249.00
i	Training & Awareness Camps (20 No.)	4,27,671.30
ii	Merit Scholarship Scheme (26+46+32+38+31+28+15+29+25+41+54+77+86)=517Nos.	39,30,960.00
iii	School Competition (10 No.)	67,898.00
iv	Sports Tournament (8+3+)=11Nos.	2,98,306.00
v	Varshik Mela (3 No.)	3,10,667.00
vi	Project level Medical Fund Scheme (53 beneficiaries) up to March, 2023	12,75,696.00
vii	Grant to CBO (Community based Organization)	80,000.00
viii	<b>Total -</b>	<b>1,04,09,58,842.30</b>
	<b>Other benefits extended to MPAF's &amp; PAF's of Pangai, Lippa &amp; Raranga Village under R&amp;R Programme.</b>	
8	Sponsored Candidates in various ITI of Himachal Pradesh (83 + 3 =86 (during this year FY. 2024-25/26).	3096679.00
i	Indirect Employment in HPPCL through outsource (w.e.f year 2008 to March, 2024) = 93	69886617.00
ii	Employment in HCC -69	0.00
	Employment in M/s Patel Engineering -46	0.00
	M/s Adriz Hydro -9	0.00
	31 Vehicle hired in IKHEP from Pangai village & Lippa (w.e.f year 2008 to March, 2024)	35335643.00
iii	<b>Other Misc. welfare works</b>	0.00
9	Donation of 4 No. Trees for Construction of Devta Mandir at Village Pangai	712187.00
i	Purchasing & installation of Additional 25 No. Solar Light	477925.00
ii	Plots (5 Biswa each for 7 families)	3640000.00
iii	Plots (5 Biswa each for 7 families) allotted during December, 2016	3640000.00
	Works executed on the demand of Project Affected Panchayat residents as well as other PAP related works as executed as per directions of head of Project.	32536204.00
iv	Expenditure incurred on other R&R/Welfare activities	7514084.00
10	100 units free electricity to PAFs of GP, Pangai w.e.f. 2017-18 to 2021-22	14187165.00
11(i)	30 Nos. Solar light install at GP Lippa	445000.00
ii	Fencing of PHC Lippa	30000.00
iii	DPR of Lift Irrigation Scheme at Up Muhai Lippo	602704.00
iv	Construction of Path Devta temple to Porang Temple at GP, Lippa	490000.00
v	Donation for Fulaich, ormik & Losar Festival at Lippa village	65000.00
	Donation for Fulaich, ormik & Losar Festival at Raranga village	80000.00
	<b>Total</b>	<b>17,27,39,208.00</b>
	<b>Grand Total</b>	<b>1,21,36,98,050.30</b>

  
 J. Kumar (R&R)  
 Integrated Keshang HEP,  
 HPPCL, Reckong Poo,  
 Distt. Kinnaur-172107

<b>Ministry of Environment and Forests</b> <b>Northern regional office Dehradun</b> <b>DATA SHEET</b>		
<b>1</b>	<b>Project Type</b>	Hydro Electric Project
<b>2</b>	<b>Name of the Project</b>	Integrated Kashang Hydroelectric Power Project Stage-I, II & III& IV(243MW)
<b>3</b>	<b>Clearance letter (S) O.M NO. &amp; dates</b>	<p>Environment clearance for Integrated Kashang HEP vide letter No. J-12011/81/2007-IA.1 dated 16/04/2010.</p> <p>Environment clearance for Kashang HEP (66 MW) letter No. J-12011/13/2002-IA.1 dated 15/11/2002.</p> <p>Forest Clearance for Stage –I vide letter NO. F-No.8-8/2001-FC dated 23<sup>rd</sup> June 2004.</p> <p>Forest Clearance for Stage II &amp; III vide letter No. F-No.9HPC366/09-CHA dated 14<sup>th</sup> June 2011.</p>
<b>4</b>	<b>Location:</b> <b>a) District (S)</b> <b>b) State (S)</b> <b>c) Latitudes/Longitudes</b>	<p>Kinnaur Himachal Pradesh</p> <p>Latitude: 31° 37' 30" N to 31° 39' 21.3" N</p> <p>Longitude: 78° 17' 30" E to 78° 21' 36.4" E</p>
<b>5</b>	<b>Address for correspondence:</b>	Dy.General Manager(C) Cum HoP, Integrated Kashang HEP Stage II & III, Kinfed Building, HPPCL, Reckong Peo, Distt. Kinnaur.
<b>6</b>	<b>Salient features:</b> <b>a) Of the Project</b>  <b>b) Of the Environmental Management plans</b>	<p>Integrated Kashang Hydroelectric Project is proposed for development using waters of Kashang and Kerang streams, right bank tributaries of river Sutlej. The project is located in Kinnaur district of Himachal Pradesh and is owned by HPPCL, Kashang and Kerang river valleys are adjacent to each other and are separated by a high altitude ridge in the area of the project. Topographic features permit diversion of Kashang khad at an altitude of roughly 2830 m to an underground powerhouse located on the right bank of Sutlej river, developing a head of approximately 830 m. Topographic and geological features between Kerang and Kashang valleys are also conducive for diversion of Kerang khad, which has higher inflows than Kashang, into the Kashang water conductor system for significant augmentation of generating capacity at Kashang powerhouse.</p>

		<p>The proposed Integrated Kashang Project comprises of four distinct stages of development:</p> <ul style="list-style-type: none"> <li>• Stage-I, comprising of diversion of the Kashang stream, at El. 2829 m, to an underground powerhouse located on the right bank of Sutlej near Powari village, developing a head of approximately 830 m;</li> <li>• Stage-II, comprising of diversion of the Kerang stream, at El. 2870 m, into an underground water conductor system leading the upstream end of Stage-I water conductor system;</li> <li>• Stage-III, consisting of augmenting the generating capacity of Stage-I powerhouse using Kerang waters over the 820 m head available in Kashang Stage-I powerhouse.</li> <li>• Stage-IV, comprising of more or less independent scheme harnessing the power potential of Kerang stream upstream of the diversion site of Stage-II. In this scheme, a head of approximately 300 m could be utilized to develop power in an underground powerhouse located on the right bank of Kerang</li> </ul> <p>The following components of EMP are being implemented:-</p> <ol style="list-style-type: none"> <li>1. Catchment Area Treatment Plan.</li> <li>2. Implementation of Resettlement &amp; Rehabilitation Plan.</li> <li>3. Compensatory Afforestation.</li> <li>4. Muck Management Plan.</li> <li>5. Health Management Plan.</li> <li>6. Provision for Subsidized Fuel.</li> <li>7. Disaster Management Plan.</li> <li>8. Environment Monitoring Plan.</li> <li>9. Fisheries Development Plan</li> </ol>
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7	<b>Breakup of the project area</b> a) <b>Submergence area: forest and non- forest.</b> b) <b>Others</b>	Since it is a run of the river scheme there will be no submergence of forest and non-forest area.																														
8	<b>Break up of project affected population with enumeration of those losing house/dwelling units only both dwelling units and agriculture land and landless labourers/artisans.</b> a) <b>SC/ST/adivasis</b> b) <b>Others</b> <b>Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures. if a survey has been carried out give details and year of survey.</b>	In the IKHEP Stage–I total affected families are 521 out of which MPFs are 180 (loosing lands/ dwelling units) on the basis of land acquisition data FRA status																														
9	<b>Financial details:</b> a ) <b>projects cost as originally planned and</b> <b>Subsequent revised estimates and the year of price reference.</b>	<p>The stage wise project cost as per DPR is as under:-</p> <p>a.</p> <table><tr><td>Stage of the project</td><td>Civil Work</td><td>E &amp; M Works</td><td>Total</td></tr><tr><td>I</td><td>288.79</td><td>246.50</td><td>535.29</td></tr><tr><td>II &amp; III</td><td>274.28</td><td>97.50</td><td>371.78</td></tr><tr><td>IV</td><td>186.87</td><td>108.50</td><td>295.37</td></tr><tr><td><b>Total</b></td><td><b>749.94</b></td><td><b>452.50</b></td><td><b>1202.44</b></td></tr></table> <p>As per the approved TEC now revised cost for stage I,II &amp;III:-</p> <table><tr><td>Project</td><td>Civil</td><td>E&amp;M</td><td>IDC, Financial Charges &amp;LADA</td><td>Total</td></tr><tr><td>Stage-I</td><td>290.13</td><td>114.67</td><td>73.21</td><td>478.01</td></tr></table>	Stage of the project	Civil Work	E & M Works	Total	I	288.79	246.50	535.29	II & III	274.28	97.50	371.78	IV	186.87	108.50	295.37	<b>Total</b>	<b>749.94</b>	<b>452.50</b>	<b>1202.44</b>	Project	Civil	E&M	IDC, Financial Charges &LADA	Total	Stage-I	290.13	114.67	73.21	478.01
Stage of the project	Civil Work	E & M Works	Total																													
I	288.79	246.50	535.29																													
II & III	274.28	97.50	371.78																													
IV	186.87	108.50	295.37																													
<b>Total</b>	<b>749.94</b>	<b>452.50</b>	<b>1202.44</b>																													
Project	Civil	E&M	IDC, Financial Charges &LADA	Total																												
Stage-I	290.13	114.67	73.21	478.01																												

		Stage-II&III	303.18	123.33	61.68	488.19
		<b>Total</b>	<b>593.31</b>	<b>238.00</b>	<b>134.89</b>	<b>966.20</b>
	<p><b>b)Allocation made for environmental management plans with item wise and Year wise break up.</b></p> <p><b>C) Benefit cost ratio/Internal rate of return and the year of assessment.</b></p> <p><b>d ) Whether (c) includes the cost of environmental management as shown in b ) above</b></p> <p><b>e) Actual expenditure incurred on the project so far.</b></p> <p><b>F ) actual expenditure incurred on the environmental management plans so far:</b></p>	<p>b. Total allocation made forEnvironment Management Plan is Rs. 5150.60 Lacks. and year wise breakup of CAT Plan is enclosed as “<b>Annexure –C1</b>”</p> <p>c. As per the DPR cost benefit ratio of the project is estimated at 1.8 and internal rate of returns is 12.2%.</p> <p>d. Yes.</p> <p><b>e.</b> Actual expenditure incurred on the project so far is appended as “<b>Annexure-C2</b>”</p> <p>f. The expenditure incurred in EMP is as under:-</p>				

		<b>Scheme</b>	<b>Expenditure (in Rs.)</b>										
		CAT Plan	13,03,00,000										
		Compensatory Afforestation	Rs 33,66,650 against stage-I & Rs 1,19,57,406 against stage-II&III										
		Net Present Value	1, 08, 54,136 against stage-I. Rs 1,58,64,079 against stage II&III										
		Pollution Control Board	1,29,97,400										
		Deptt. of Env. Science and Technology	20,00,000/-										
		Fisheries Management plan	42,00,000										
		<b>Total expenditure</b>	<b>17,95,82,256/-</b>										
<b>10</b>	<b>Forest land requirement:</b> <b>a) The status of approval for diversion of forest land for non- forestry use.</b>	<b>a. Total Forest Land required for IKHEP</b> <table><tr><td>Stage of the project</td><td>Forest Land (Hac.)</td></tr><tr><td>I</td><td>18.7142</td></tr><tr><td>II &amp; III</td><td>17.6857</td></tr><tr><td>IV</td><td>25.5000</td></tr><tr><td><b>Total</b></td><td><b>61.8999</b></td></tr></table> <p>So far as the Stage-I of the project is concerned approval for diversion of forest land for non forestry purpose has been obtained from MOEF vide letter. F. No- 8-8/2001-FC dated 23<sup>rd</sup> June2004 .Diversion of 17.6857 Hact. of forest land for construction of Stage II &amp;III(130MW) has been accorded by</p>		Stage of the project	Forest Land (Hac.)	I	18.7142	II & III	17.6857	IV	25.5000	<b>Total</b>	<b>61.8999</b>
Stage of the project	Forest Land (Hac.)												
I	18.7142												
II & III	17.6857												
IV	25.5000												
<b>Total</b>	<b>61.8999</b>												

	<p><b>b) The status of clear felling.</b></p> <p><b>c. The status of compensatory afforestation, if any.</b></p> <p><b>d. Comments on the viability &amp; sustainability of compensatory afforestation programme in the light of actual field experience so far.</b></p>	<p>MOEF New Delhi vide MOEF letter F. No. 9HPC 366/09-CHA dated 14<sup>th</sup> June 2011. Whereas the diversion of forest land i.e 25.5000 Hect. against the stage IV, has been proposed for which revenue papers are being processed.</p> <p>b. Against Stage-I there were 349 trees earmarked for felling, out of which 143 trees got felled and total cost of the trees has been deposited with Himachal Pradesh Forest Department, where as 206 trees has been saved by project proponent. Against stage II &amp; III, MOEF has accorded the Forest Clearance along with the felling approval of 630 No. of trees which is yet to be undertaken by the project proponent. Compensatory Afforestation of 38 Ha. has been achieved so far against stage-I. Against stage-II&amp;III, June 2011 vide letter no HPPCL/IKHEP/Env.R&amp;R-4/Vol-VII/2011-1968-70 dated 02.06.11. In lieu of CA against 17.6857 hect. of Forest Land diverted against Stage II III, Rs 1,19,57,406/- has been deposited with HP Forest Department vide letter No. HPPCL/IKHEP/E&amp;RR-IV-Vol/2010-11-11410-13 dated 31/03/2011 DFO Kinnaur has conveyed physical and financial progress during the last Financial year DFO Kinnaur had conveyed Rs 11.71 Crore up to 31.03.2019. During this first half year DFO.</p>
11	The status of clear felling in nonforest areas (such as submergence area of reservoir approach road) if any, with quantitative information.	Since it is a runoff the river (R-O-R) scheme no submergence is involved thereof.
12	<p><b>Status of construction:-</b></p> <p><b>a ) Date of commencement (actual and/ or planned)</b></p> <p><b>b ) Date of completion (actual and/ or Planned)</b></p>	<p>a. Date of commencement 9.04.2009, for Stage-I, 12.11.2010 for Stage II &amp; III.</p> <p>b. Integrated Kashang HEP Stage- I was commissioned in the month of Sept. 2016. Stage II &amp; III due to resistance by the villagers of Lippla. Now after the disposal of</p>

		NGT case villagers of Lippa are now welcoming the Project proponent for the Construction work.
<b>13</b>	<b>Reason for delay if the projects is yet to start:</b>	Due to Torrential rain and cloud burst incident during the month of June 2013. Construction works of Integrated Kashang HEP Stage –I, were hampered , and as far as stage II &III is concerned due to litigation against Environmental Clearance and Forest Clearance case of Stage II &III at NGT the work of IKHEP Stage II &III could not be started.

### Cost for Implementing Environment Management Plan

Sl. No.	Particular	Amount (Rs. in Lakhs)
1	Catchment Area Treatment Plan	3050.60
2	Implementation of Resettlement & Rehabilitation Plan	300.00
3	Compensatory Afforestation	541.00
4	Greenbelt Development	55.00
5	Wildlife Management and Biodiversity Conservation Plan*	100.00*
6	Muck Management Plan	552.00
7	Restoration Plan for Quarry Sites	64.00
8	Landscape and Restoration Plan	26.00
9	Health Management Plan	65.00
10	Provision for Subsidized Fuel*	113.00*
11	Solid Waste Management	228.00
12	Disaster Management Plan	40.00
13	Environment Monitoring Plan	124.00
14	Fisheries Development Plan	105.00
	<b>TOTAL</b>	<b>5150.60</b>

\*The cost of these plans has already been included in the Catchment Area Treatment Plan.

**Cost Estimate of CAT Plan**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Amount (Rs. Lacs)</b>
1	Treatment Works under free draining catchment.	
a)	Biological Measures	495.56
b)	Engineering Measures.	418.90
2	Treatment Works Under Impact Area.	
a)	Biological Measures	120.00
b)	Engineering Measures.	80.00
3	Treatment Works under private land	
a)	Biological Measures	29.77
b)	Engineering Measures.	10.49
	Sub Total (1) + (2) + (3)	<b>1154.72</b>
4	Implementation of Support Infrastructure Cost	35.23
5	Fuel wood saving devices.	14.40
6	Training and Extension Programme	15.25
7	Preparation of Micro Plans	30.50
8	Documentation	15.25
9	Gender Support	15.25
10	Funds for Educational Activities related to Medicinal Plant Sector	30.50
11	Monitoring of silt	36.00
12	Development of Eco-tourism	50.00
13	Provision for floristic survey	20.00
14	Support for Eco-task force	61.00
15	Provision for Monitoring and Evaluation Activities	152.00
16	Provision for providing Environmental Services.	305.00
17	Provision for forest protection	50.00
18	Provision for forest infrastructure development	100.00
19	Provision for rural infrastructure development	214.40
20	Publicity and environmental awareness	20.00
21	Capacity building	25.00
22	Wildlife Management and Biodiversity Conservation Plan (Chapter-5)	100.00
23	Provision for Subsidized Fuel (Chapter-10)	113.00
24	Cost escalation at 10% per year	493.10
	<b>Grand Total</b>	<b>3050.60</b>



## H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 14816606/W-16409

06/03/2025

**ISSUED TO:** Kashang H E P  
- 0/0 of GM, Kinfed Bulding near ITBP Gate R PEO Kinnaur-Pangi, Kalpa  
Distt.Kinnaur, H.P.172107

Sample received on: 21/02/2025

Description of sample: River Satluj after conf. with Kashang Khad

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	COD	6.0	mg/L	NA	NA
2	TSS	26.0	mg/L	NA	NA
3	pH	8.33	-	NA	NA
4	Conductivity	509.3	microsiemens/cm	NA	NA
5	DO	9.2	mg/L	NA	NA
6	Fecal Coliform	20.0	MPN/100ml	NA	NA
7	Nitrate-N	0.39	mg/L	NA	NA
8	Nitrite-N	BDL	mg/L	NA	NA
9	Ammonical Nitrogen	BDL	mg/L	NA	NA
10	Sulphate	161.44	mg/L	NA	NA
11	Ca++	73.74	mg/L	NA	NA
12	Total Phosphate	BDL	mg/L	NA	NA
13	Sodium	12.35	mg/L	NA	NA
14	Fluoride	0.23	mg/L	NA	NA
15	TDS	319.0	mg/L	NA	NA
16	Potassium	2.26	mg/L	NA	NA
17	Boron	BDL	-	NA	NA
18	BOD	BDL	-	NA	NA
19	Turbidity	1.4	NTU	NA	NA

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**Dr Rajender Kumar ,SO  
RL Shimla**







## H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 14816598/W-16408

06/03/2025

**ISSUED TO:** Kashang H E P  
- 0/0 of GM, Kinfed Bulding near ITBP Gate R PEO Kinnaur-Pangi, Kalpa  
Distt.Kinnaur, H.P.172107

Sample received on: **21/02/2025**

Description of sample: **River Satluj before conf. with Kashang Khad**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	COD	5.6	mg/L	NA	NA
2	Total Phosphate	BDL	mg/L	NA	NA
3	TSS	29.0	mg/L	NA	NA
4	pH	7.97	-	NA	NA
5	Conductivity	520.2	microsiemens/cm	NA	NA
6	DO	9.2	mg/L	NA	NA
7	Fecal Coliform	6.8	MPN/100ml	NA	NA
8	BOD	BDL	-	NA	NA
9	Turbidity	2.1	NTU	NA	NA
10	Nitrate-N	0.56	mg/L	NA	NA
11	Nitrite-N	BDL	mg/L	NA	NA
12	Ammonical Nitrogen	BDL	mg/L	NA	NA
13	Sulphate	166.76	mg/L	NA	NA
14	Ca++	74.54	mg/L	NA	NA
15	Sodium	12.67	mg/L	NA	NA
16	Fluoride	0.24	mg/L	NA	NA
17	TDS	340.0	mg/L	NA	NA
18	Potassium	2.32	mg/L	NA	NA
19	Boron	BDL	mg/L	NA	NA

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**Dr Rajender Kumar ,SO  
RL Shimla**





## H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 14816585/W-16406

06/03/2025

**ISSUED TO:** Kashang H E P  
- 0/0 of GM, Kinfe Bulding near ITBP Gate R PEO Kinnaur-Pangi, Kalpa  
Distt.Kinnaur, H.P.172107

Sample received on: **21/02/2025**

Description of sample: **Kashang Khad**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	COD	4.8	mg/L	NA	NA
2	Total Phosphate	BDL	mg/L	NA	NA
3	TSS	5.0	mg/L	NA	NA
4	Sodium	2.72	mg/L	NA	NA
5	Fluoride	BDL	-	NA	NA
6	TDS	222.0	mg/L	NA	NA
7	Potassium	1.77	mg/L	NA	NA
8	Boron	BDL	-	NA	NA
9	pH	8.17	-	NA	NA
10	Conductivity	354.3	microsiemens/cm	NA	NA
11	DO	9.8	mg/L	NA	NA
12	Fecal Coliform	12.0	MPN/100ml	NA	NA
13	BOD	BDL	-	NA	NA
14	Turbidity	1.2	NTU	NA	NA
15	Nitrate-N	0.31	mg/L	NA	NA
16	Nitrite-N	BDL	mg/L	NA	NA
17	Ammonical Nitrogen	BDL	mg/L	NA	NA
18	Sulphate	114.27	mg/L	NA	NA
19	Ca++	53.70	mg/L	NA	NA

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**Dr Rajender Kumar ,SO  
RL Shimla**





## H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 14354848/W-15764

18/01/2025

**ISSUED TO:** Kashang H E P  
- 0/0 of GM, Kinfe Bulding near ITBP Gate R PEO Kinnaur-Pangi, Kalpa  
Distt.Kinnaur, H.P.172107

Sample received on: **30/12/2024**  
Description of sample: **lipa Khad**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	Conductivity	229.4	microsiemen s/cm	NA	NA
2	Fecal Coliform	47.0	MPN/100ml	NA	NA
3	BOD	BDL		NA	NA
4	Turbidity	1.6	NTU	NA	NA
5	pH	8.21		NA	NA
6	DO	9.6	mg/L	NA	NA
7	COD	4.0	mg/L	NA	NA
8	Total Phosphate	BDL		NA	NA
9	Nitrate-N	1.45	mg/L	NA	NA
10	Nitrite-N	BDL	mg/L	NA	NA
11	Ammonical Nitrogen	BDL	mg/L	NA	NA
12	Sulphate	22.08	mg/L	NA	NA
13	TSS	10.0	mg/L	NA	NA
14	Sodium	4.34	mg/L	NA	NA
15	Fluoride	BDL		NA	NA
16	TDS	139.0	mg/L	NA	NA
17	Potassium	4.72	mg/L	NA	NA
18	Boron	BDL		NA	NA
19	Ca++	29.25	mg/L	NA	NA

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## H.P.STATE POLLUTION CONTROL BOARD REPORT BY STATE BOARD ANALYST

Report No: 14354845/W-15766

18/01/2025

**ISSUED TO:** Kashang H E P  
- 0/0 of GM, Kinfed Bulding near ITBP Gate R PEO Kinnaur-Pangi, Kalpa  
Distt.Kinnaur, H.P.172107

Sample received on: **30/12/2024**

Description of sample: **Kashang khad**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	Conductivity	239.5	microsiemen s/cm	NA	NA
2	DO	9.7	mg/L	NA	NA
3	Fecal Coliform	33.0	MPN/100ml	NA	NA
4	BOD	BDL		NA	NA
5	TSS	22.0	mg/L	NA	NA
6	Turbidity	1.4	NTU	NA	NA
7	COD	4.4	mg/L	NA	NA
8	Total Phosphate	BDL		NA	NA
9	Ammonical Nitrogen	BDL	mg/L	NA	NA
10	Sulphate	21.81	mg/L	NA	NA
11	Ca++	26.45	mg/L	NA	NA
12	Sodium	4.45	mg/L	NA	NA
13	Fluoride	BDL		NA	NA
14	TDS	144.0	mg/L	NA	NA
15	Potassium	4.75	mg/L	NA	NA
16	Boron	BDL		NA	NA
17	pH	8.28		NA	NA
18	Nitrate-N	1.43	mg/L	NA	NA
19	Nitrite-N	BDL	mg/L	NA	NA

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**H.P.STATE POLLUTION CONTROL BOARD**  
**REPORT BY STATE BOARD ANALYST**  
**(Stack/Ambient Air) Monitoring Report**

**Report No: 14816451/A-16263**

**27/02/2025**

**ISSUED TO:** Kashang H E P  
- 0/0 of GM, Kinfed Bulding near ITBP Gate R PEO Kinnaur-Pangi, Kalpa  
Distt.Kinnaur, H.P.172107

**Point of collection:** **Power House Site (Inside)**

**Date of collection:** **20/02/2025**

**Time of collection:** **07:30**

**Collected by :** **Lokesh Kumar, JEE**

**Date of receipt:** **24/02/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	32.20	microgram mes/m3	NA	NA

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**Dr Rajender Kumar , SO**  
**RL Shimla**



**H.P.STATE POLLUTION CONTROL BOARD**  
**REPORT BY STATE BOARD ANALYST**  
**(Stack/Ambient Air) Monitoring Report**

**Report No: 14816451/A-16263**

**27/02/2025**

**ISSUED TO:** Kashang H E P  
- 0/0 of GM, Kinfed Bulding near ITBP Gate R PEO Kinnaur-Pangi, Kalpa  
Distt.Kinnaur, H.P.172107

**Point of collection:** **Power House Site (Inside)**

**Date of collection:** **20/02/2025**

**Time of collection:** **07:30**

**Collected by :** **Lokesh Kumar, JEE**

**Date of receipt:** **24/02/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	32.20	microgram mes/m3	NA	NA

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**Dr Rajender Kumar , SO**  
**RL Shimla**



**H.P.STATE POLLUTION CONTROL BOARD**  
**REPORT BY STATE BOARD ANALYST**  
**(Stack/Ambient Air) Monitoring Report**

**Report No: 14816447/A-16265**

**27/02/2025**

**ISSUED TO:** Kashang H E P  
- 0/0 of GM, Kinfed Bulding near ITBP Gate R PEO Kinnaur-Pangi, Kalpa  
Distt.Kinnaur, H.P.172107

**Point of collection:** **Near Village Pangi**

**Date of collection:** **19/02/2025**

**Time of collection:** **09:30**

**Collected by :** **Lokesh Kumar, JEE**

**Date of receipt:** **24/02/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	23.48	microgram mes/m3	NA	NA

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**Dr Rajender Kumar , SO**  
**RL Shimla**



**H.P.STATE POLLUTION CONTROL BOARD**  
**REPORT BY STATE BOARD ANALYST**  
**(Stack/Ambient Air) Monitoring Report**

**Report No: 14816447/A-16265**

**27/02/2025**

**ISSUED TO:** Kashang H E P  
- 0/0 of GM, Kinfed Bulding near ITBP Gate R PEO Kinnaur-Pangi, Kalpa  
Distt.Kinnaur, H.P.172107

**Point of collection:** **Near Village Pangi**

**Date of collection:** **19/02/2025**

**Time of collection:** **09:30**

**Collected by :** **Lokesh Kumar, JEE**

**Date of receipt:** **24/02/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	23.48	microgram mes/m3	NA	NA

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**Dr Rajender Kumar , SO**  
**RL Shimla**



**H.P.STATE POLLUTION CONTROL BOARD**  
**REPORT BY STATE BOARD ANALYST**  
**(Stack/Ambient Air) Monitoring Report**

**Report No: 14816441/A-16267**

**27/02/2025**

**ISSUED TO:** Kashang H E P  
- 0/0 of GM, Kinfed Bulding near ITBP Gate R PEO Kinnaur-Pangi, Kalpa  
Distt.Kinnaur, H.P.172107

**Point of collection:** **Near Kashang Guest House**

**Date of collection:** **18/02/2025**

**Time of collection:** **14:30**

**Collected by :** **Lokesh Kumar, JEE**

**Date of receipt:** **24/02/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	22.73	microgram mes/m3	NA	NA

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**Dr Rajender Kumar , SO**  
**RL Shimla**



**H.P.STATE POLLUTION CONTROL BOARD**  
**REPORT BY STATE BOARD ANALYST**  
**(Stack/Ambient Air) Monitoring Report**

**Report No: 14816439/A-16269**

**27/02/2025**

**ISSUED TO:** Kashang H E P  
- 0/0 of GM, Kinfed Bulding near ITBP Gate R PEO Kinnaur-Pangi, Kalpa  
Distt.Kinnaur, H.P.172107

**Point of collection:** **Village Reckong Peo, Near Kinfed Building HPPCL**

**Date of collection:** **18/02/2025**

**Time of collection:** **14:00**

**Collected by :** **Lokesh Kumar, JEE**

**Date of receipt:** **24/02/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	26.14	microgram mes/m3	NA	NA

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**Dr Rajender Kumar , SO**  
**RL Shimla**



**H.P.STATE POLLUTION CONTROL BOARD**  
**REPORT BY STATE BOARD ANALYST**  
**(Stack/Ambient Air) Monitoring Report**

**Report No: 14816445/A-16266**

**27/02/2025**

**ISSUED TO:** Kashang H E P  
- 0/0 of GM, Kinfed Bulding near ITBP Gate R PEO Kinnaur-Pangi, Kalpa  
Distt.Kinnaur, H.P.172107

**Point of collection:** **Intake Site Kashang HEP**

**Date of collection:** **19/02/2025**

**Time of collection:** **09:00**

**Collected by :** **Lokesh Kumar, JEE**

**Date of receipt:** **24/02/2025**

SAMPLING PARAMETERS					
Sr. No.	Parameter Name	Results	Units	Permissible Limit	Remark/Result Analysis
1	PM 10	31.25	microgram mes/m3	NA	NA

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**Dr Rajender Kumar , SO**  
**RL Shimla**



# Patel

SINCE 1949

**PATEL ENGINEERING LTD.**

**SITE OFFICE**

Patel Engineering Limited  
Kashang HEP Stage -II & III  
Near Post Office Spillover  
VPO Spillover, Teh. Pooh  
Distt. Kinnaur (H.P.) -172110

**Ref. No.:** 100/300/IKHEP/2025-26/ 3424

**Date:** 16.05.2025

To,  
The Dy. General Manager (Civil) cum EIC  
Integrated Kashang HEP, Stage-II & III,  
HPPCL, KINFED Building,  
Reckong Peo, Distt. - Kinnaur,  
PIN Code - 172107 (HP).

**Ref.:** Construction of Civil Works comprising River Diversion of Kerang Khad, Trench Weir, Conveyance Tunnel, De-sanding Basins, Connecting Tunnel (after De-sanding Basin), Kerang-Kashang Link Tunnel, Drop Structure, underground Balancing Reservoir, Adits (Intake Area), Inspection Tunnel for Desanding basin and Hydro-mechanical Works of Stage-II and Stage-III including Testing and Commissioning complete in all respects of integrated Kashang HEP (65 MW x 3 units) in District Kinnaur, Himachal Pradesh, India. Contract Agreement No: - Kashang II & III/C-1; dated 11.10.2010

**Subject:** Compliance of Environment safeguard.

Dear Sir,

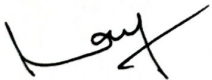
In the context of the above subject, please find enclosed herewith quarterly compliance of environment and social safeguard (January 2025 to March 2025).

This is for your kind information and record please.

Thanking you and assuring you of our best cooperation as always, we remain.

Yours Faithfully,

For **PATEL ENGINEERING LTD**



**Project In-Charge**

Integrated Kashang HEP (Stage II & III)

**CC:** The General Manager cum HOP, IKHEP, HPPCL, Reckong Peo.  
The Sr. Manager - Environment, IKHEP, HPPCL, Reckong Peo.

**Encl:** As mentioned above.

REGD. OFFICE :

Patel Estate Road, Jogeshwari (W), Mumbai-400 102, India  
Phone : +91 22 26767500, 26782916, Fax : +91 22 26782455, 26781505  
E-mail : headoffice@pateleng.com, Web : www.pateleng.com




**PATEL ENGINEERING LIMITED**  
**INTEGRATED KASHANG HYDRO ELECTRIC PROJECT STAGE -II & III**

Medical expenditure on workmen for the Period January 2025 to March 2025

Sr. No.	Particulars	January	February	March	TOTAL
1	Compunder & trained medical staff expenses	0	0	0	0
2	Medicine	0	0	0	0
Total		0	0	0	0

For Patel Engineering Ltd



Authorized Signatory ★  
Integrated Kashang HEP


## Form of Utilization Certificate

**FORM GFR 19-A**

(See Government of India's Decision (1) below Rule 150)

Sr.No	Letter No. and date	Amount in Lakhs.
	Ft. CAMP/06/20 10/APO General/Vol.X II  Dated: 08.07.2024	8657100
	Amount spent	8657100
	Balance	0

Certified that out of Rs. 8657100 /-, of grants-in -Aid sanctioned/ released during the year 2024-25 Under Compensatory Afforestation as per letter No. given in the margin for execution of various works. The amount of Rs. 8657100/- has been utilized for the purpose it was sanctioned and nothing remained unutilized at the end of the financial year 2024-25.



Dy. Conservator of Forests,  
Kinnaur Forest Division,  
at R/Peo,HP.