



Himachal Pradesh Power Corporation Limited
(A State Government Undertaking)
Integrated Kashang HEP, Reckong Peo, Distt. Kinnaur (HP).
Phone/Fax No.: 01786-223310/223992
Email address: gmikhep@gmail.com

No:-HPPCL/IKHEP/K-I (Vol.XXII)/2021- 956-60
To

Dated: 01-07-2021

The Additional Principal Chief Conservator of Forests,
Ministry of Env. & Forests, Regional Office.
Pearson road, FRI Campus, New Forests.
Dehradun-248006.

**Sub: - C/o Integrated Kashang Hydroelectric Project (243) in District Kinnaur of
owned by H.P Power Corporation Ltd.**
**Ref. 6th monthly compliance report (for period from Oct./2020 to March
/2021).**

Sir,

The Subject cited compliance report (for the period from Oct./2020 to March /2021), along with enclosures, is appended herewith for your Kind information and necessary action please.

Yours faithfully,

**D/A: - As above along with
Soft copy (69 Pages)**

Sandhu 30/6/2021
**Dy. General Manager (C),
Stage-II & III, Kashang HEP,
HPPCL, Reckong-Peo.**

Copy forwarded to:-

1. The Chief Environment Specialist, HPPCL, Himfed Building, BCS, New-Shimla -171009, alongwith above compliance report ,for information & needful action please.
2. The Divisional Forest Officer Kinnaur, at Reckong Peo, Kinnaur for information alongwith above compliance report.
3. The Sr. Environment Engineer, Himachal Pradesh State Pollution Control Board Rampur ,District Shimla , alongwith above compliance report for information please.
4. 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.



INTEGRATED-KASHANG HYDRO ELECTRIC PROJECT (243 MW)

^{2nd} Six Monthly Compliance of MoEF & CC

Status Report for the Period Oct 2020 to March. 2021

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

Point wise reply:

r. No

CAT plan implementation completed on priority basis. Progress of CAT works				
Sr. No	Funds released by the project authority till date	Funds spent by the forest department till date	Details of the engineering works Executed till date	Area covered by carrying for Plantation and no of plants planted.
1	Rs 13.67 cr.	<p>Received UC of Rs.11.77 Crore/- up to 31st March 2020, Progress preport of this reporting period conveyed by the Forest Department due to COVID-19 Issue .</p> <p>Total CAT plan for Stage I, II, III & IV(243 MW) =Rs. 30.50 Crore .</p> <p>Proportionate CAT Plan For Stage I (65 MW)= 9.22Crore</p> <p>Amount Deposited Against Stage -I =9.22 Crore.</p> <p>Proportionate CAT Plan For Stage II&III(130 MW)= 8.71crore</p> <p>Amount Deposited against Stage II&III(130 MW)= 4.46 Crore .</p> <p>Balance amount to be deposited against Stage II</p>	<p>Details of Expenditure stand remains same as per previous report since due to COVID -19 Lock down Forest department has not supplied the Physical and financial Progress report.</p>	<p>Utilization certificate received from HP Forest department up to 31st 2021 under various heads of CAT Plan has not been received by this office due to COVID -19/ Lock down imposition by the State Govt.</p>

		deposited against Stage IV= 12.57 Crore		
--	--	--	--	--

2. Physical and financial Progress about the implementation of the R&R scheme is enclosed as **Annexure-A**
3. Updated information on the project in **13 point data sheet** is enclosed as **Annexure-B**
4. Environmental monitoring report containing all the parameters of Monitoring water quality samples for drinking and waste water, Air quality and Noise quality samples were not carried out during the reporting period due to non working season through external agency. HP State Pollution Control Board, has carried out the monitoring in Oct. 2020& Jan 2021 at project sites of IKHEP and all the parameters were within the Limits. Copy attached a **Annexure-C**
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.2020to March 2021 is enclosed as **Annexure-D** and apart 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 53 PAFs.
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 = 11,871 Nos.
 - Intake site. = 351 Nos
 - IPS site = 650 Nos

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;

- Rs1368.0 lakhs against CAT plan
- Rs. 33.67 lakhs against compensatory afforestation(CA) of Stage -I &Rs 119,57,407 against Stage II &III .
- Rs 42.00 Lakhs against Fisheries Management.
- 1547.70/- lakhs under Environment Monitoring to the HPSPCB.
- 941.92 lakhs for Monitoring the Environment

Provision/ Compliance of EMP and its utilizations

Sl. No.	Particular	Provisions in EMP (Rs. in Lakhs)	Utilization of Amount (Rs. in Lakhs)	Remarks
1	<i>Catchment Area Treatment Plan</i>	3050.60 for IKHEP, Stage I,II,III & IV	Rs 1368	Had been deposited with the CAMPA against Stage I, II & III of IKHEP and utilization of Rs 1177.11 lakhs has been received from DFO Kinnaur /Forest department
2	<i>Implementation of Resettlement & Rehabilitation Plan</i>	300.00 Implementation of Resettlement & Rehabilitation Plan	4998.27	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	<i>Compensatory Afforestation</i>	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 conveyed the progress of 30 ha out of 36 Ha in the Lippa, Jangi and Asarang is in progress with an Expenditure or Rs 23,16000/-
4	<i>Greenbelt Development</i>	55.00	Rs 5.0+4.26=9.26	5.0 lakhs for strengthening of Nursery and Rs.4.26lakhs. for green belt development at Intake site of IKHEP Stage -I
5	<i>Wildlife Management and Biodiversity Conservation Plan*</i>	100.00*	88.789 941.92 (over and above from EMP)	Utilization Certificate received from DFO wildlife up to 31 st March 2019 where

				Rs.20,162 as the approved APO for the FY 2019-20 was reported by the DFO wild life /-.(Cost as met from CAT plan funds) apart from this NBWL while according Clearance imposed a condition of 2% of the project cost as a mandatory stipulation to the project roponent . and project proponent had deposited Rs 941.92 Lakh to CAMPA against IKHEP Stage –I
6	<i>Muck Management Plan</i>	552.00	388.00+ 221.75	For Engineering measurers i.e. construction of crate walls/ 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. (Rs 0.95 Lakhs 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 inbuilt in the Electrical Contract Rs 75 lakhs and Rs. 45 Lakhs lakhs. has been incurred for providing crash barrier along the power house Road which is also partially damaged by the BRO .
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 Rs 12.75 lakhs is spent on this scheme.
10	<i>Provision for Subsidized Fuel*</i>	113.00*	144.89	Total 7885 no. of commercial cylinders amounting to Rs 144.89 lakhs were provided to the labourers through contractors, rest of the cost of subsidized fuel will be met from CAT plans
11	<i>Solid Waste Management</i>	228.00	(Rs.706.00Against IKHEP Stage -I& Against Stage II &III 72.00 LADA fund had already been disbursed with LADC)	Part of the amount i.e. Rs 50 lakhs is meet from LADF against Stage -II& III and part of around 45 lakhs. 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 KHEP Stage – I,. Rs 56.00 Lakhs incurred for Installation of alert system, at control room at power house site and communication
13	<i>Environment Monitoring Plan</i>	124.00	176.77	Rs.176.77 lakhs to HPSPCB for monitoring and consent fees including Rs 20 lakhs. to society of Environmental Protection and sustainable Development at Department of Environment Govt. of HP and addl. 6 lakhs for HP Forest department
14	<i>Fisheries Development Plan</i>	105.00	42.00 lakhs	Rs 42.0 lakhs was deposited with directorate of fisheries and utilization of Rs 40.5 has been reported by the Directorate of Fisheries
	<i>TOTAL</i>	5150.60	9572.83	

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	38 ha Progress already conveyed vide previous compliance Reports
Stage II & III	Rs1,19,57,406	23,16000/-	CA against IKHEP Stage I . i.e. 38 ha of Forest land is achieved as conveyed by DFO Kinnaur against of Stage II & III ICA over. 36ha. is in progress during the reporting period no activities could be carried out due to COVID-19 situation and lockdown imposed by Govt of HP.

8. Out of the Integrated Kashang HEP - 243 MW shares of Rs. 105 lacs, 2 installments of the above share i.e. 42 lakhs. (21 lakhs 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.40.5 lakhs has been received from Director cum Warden Fisheries Himachal Pradesh, Copy already attached as Annexure-E in previous report. 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. 2020	109 (Civil Contractor)	6	9894
Nov. 2020	109 (Civil Contractor)	7	11543
Dec 2020	109 (Civil Contractor)	6	9896
Jan 2021	Non-working season	6	9896
Feb 2021	-----do-----	7	11543
March.2021	-----do-----	6	9894
Total		38	62662.0

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

Year /periods	No of labourers checked up Contractor wise	Expenditure incurred on providing medicines	Expenditure incurred on providing other facilities (in Rs)
From Oct 2020 to March 2021 (by M/s Patel Ltd.)	From Oct. 2020 to March 2021. due to COVID-19 no regular Check up were carried out by the mains Contractor i.e M/s Patel Ltd.) (Civil Contractor)	60,000/- (Oct.,2020.to March2021)	Nil
Pre medical 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 & III is concerned, due to resistance by the villagers of Lippa the construction activities were not carried out earlier but during the reporting period the villagers of lippa are now aggred to co-oprate 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 full time Male pharmacist.. Apart 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 Rs 12,75,696/ were reimbursed to 35 beneficiaries.

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

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):-

Sr. No	Issues Raised	Remarks on the issues raised	Compliance Made
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.	Earlier due to litigation in the Hon'ble NGT, no activity has could be started from Lippa but now infrastructure development activities like construction of approach road to intake of Stage-III etc have been started and is in progress. But this reporting period due to COVID-19 the construction activities could not be carried out in full swing . Project proponent has already recommended the entire Lippa & Asarang Panchayat as PAA against Integrated Kashang HEP,

			<p>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.</p>
2.	<p>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?</p>	<p>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.</p>	<p>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; Now issue with villagers of Lippa has been settled and the Main construction activities are likely to start from the Lippa where as infrastructure development activities started from Lippa side as on date As the Status remain same as previous compliance.</p>

			Status same as already conveyed vide previous compliance. .
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 Government and local residents.	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 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}. <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> 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

			<p>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 11th 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 Rs. 1.69 crores as compensation to the villagers of Pangti in lieu of Damage to crop where as in case of loses of agriculture crops due to Project activities. Ssame</p>
--	--	--	---

			practice will be adopted in case of any damage caused by the emission of dust in stage- II also.
5.	Adverse effects due to construction of project have not been mentioned in R&R Plan.	R&R Plan has been prepared in accordance to 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.	Prior to project execution Environment Impact Assessment report is to be carried out to evaluate the environmental Impact, if any, by 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 a 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. 95.37Crore 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 th 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 1.69 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 lakhs stands already deposited with the district administration for this purpose. Same practice will be followed in case of Stage II & III. However only infrastructure development activities has started from Lippa side. No main construction activities have been started from the Lippa side so far.
----	---	--	--

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}. <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> 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.	As on date the major construction from the Lippa side is yet not started. And as per the suitability of the excavated material, 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

			<p>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 .</p>
9.	<p>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.</p>	<p>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.</p>	<p>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 -I" 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 same practice shall be adopted in case of Kashang Stage II & III too.</p>
10.	<p>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.</p>	<p>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.</p>	<p>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</p>

			<p>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 yet not under taken due to resistance of the villagers of Lippa, although petitions has been disposed off and 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. www.hppcblive.com/ live/ kashang</p>
11.	<p>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</p>	<p>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 all water of Kerang Khad will</p>	<p>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</p>

	to this problem only under EIA & EMP only for sake of formality, it is mentioned.	be supplied for removal of debris.	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 th 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 Rs. 2.71 crore as compensation to the villagers of Pangi 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

			<p>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 26 Ha. Against Stage II & III DFO Kinnaur, has been implementing the CA over 36 Ha. In UF Jangi, C 215 and UF Assarang but during this reporting period no activities could be carried out due to COVID - 19 Issue . .</p>
--	--	--	---

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	Project proponent is committed to carry out the inventorization of all the springs in the vicinity of Lippa and Rarang and kept the
-----	---	---	---

		<p>measurement 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.</p>	<p>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, Takto & 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 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</p>
14.	<p>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.</p>	<p>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,</p>	<p>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 -I' 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</p>

			<p>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 families and same practice will be adopted in case of Kashang Stage II & III too and apart from this due to intervention 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, as per the Provisions of Law</p>
15.	<p>There is no provision in the EIA & EMP regarding the dust emission from the dumping sites.</p>	<p>The provision for suppression of dust will be incorporated in the EIA & EMP.</p>	<p>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</p>

			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% Buddhist.	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 compliances.
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

			<p>of IKHEP Stage-I , it is visually evident that the life style/living standard of villagers of Pangri 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</p>
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 as reduction of glaciers is concerned.
21.	Is there any provision to provide jobs to every resident of Lippla.	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 Andritz Hydro had engaged 26 no during the construction. whereas M/s Pate Engineering has engaged 46 no. during the construction of Stage I, and 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 related works 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 th 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.
--	--	--	---

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 Pangti, 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 9572.83 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 Pangti 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 have already been commissioned on March, 2016 and the commercial generation has started from Sept., 2016. This issue is closed

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. & 26 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.
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

			<p>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 Lippha Valley.</p>
6.	<p>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?</p>	<p>The project proponent clarified that the residential colony (Type-I, II) and dispensary will be constructed at village Pangri for Kashang HEP Stage-I.</p>	<p>Colony for O&M and Police chowky Building, Community hall for PAA of Pangri and Primary Health Centre 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</p>

			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.	This issue is closed. Project proponent has already paid Rs105.Lakhs 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.	This Issue is closed. 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 road has not been repaired.	Project proponent ensured to take Immediate effective steps to restore the damaged Kuhl.	This issue is closed as Project proponent has already compensated for the same by providing HDPE pipes to the 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 th 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.1.69 Crore with the local administration in lieu of compensation for damage to crops during the construction of IKHEP Stage-I.
-----	---	--	---

13. Issue of Scientific study has been discussed in length in Para "10 of Environment Public Hearing dated 28.05.20109 at Lippa"
14. 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 12th & 13th 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 .
15. 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 15th Nov, 2002. Extension for this clearance has also been accorded vide GOI, MoEF letter No. J-12011/13/2002-IA.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.

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">• CAT Plan was proposed for IKHEP Stage-I for Rs 3.03 Crores.• 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.• HPPCL has deposited the proportionate amount of CAT plan's bill raised by H.P. Forest Department i.e. Rs 13.68. Crores.• Utilization of Rs. Rs 11.77 crore has received from HP Forest Department.
<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 & 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">• Acquisition of land for the construction of Stage-I has been completed• Project proponent had submitted the List of MPFs to the MoEF through its various Compliance reports i.e. the compliance report of dated 22.06.2012 .• Acquisition of land for stage II, III & IV is under way.• The benefits to the land losing household's are admissible as per the Rehabilitation & Resettlement plan.

	<ul style="list-style-type: none"> Project proponent is implementing the various R&R Schemes. <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&R plan of HPPCL</p>
(III) The Commitment made during the public hearing should be fulfilled.	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'.
(IV) 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>PP had requested IIT Rookee to carry out the Seientific 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 www.hppcblive/live/kashang. 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>(V) 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 Sr. Manager, One AE(Civil), and one JO(R&R) along with supporting staff has already been posted to implement the commitments. All issues are being taken up one by one in consultation with the local bodies.</p>
<p>(VI) All the equipment which are likely to generate high noise levels is to be fully mollified (noise Reduction measures).</p>	<p>This issue is closed. In case of IKHEP Stage -I condition was fully complied and in case of IKHEP stage II & III this condition will be complied.</p>
<p>(VII) Consolidation and compilation of the 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 1.17Mm³, of which 0.3Mm³ is proposed to be reutilized for construction material & other filling purpose and remaining 0.879 Mm³ of muck which goes-up 1.231 Mm³ (after increased volume) should be disposed of at 13 designate disposal areas should be strictly implemented.</p>	<p>Excavation work of IKHEP Stage-I has completed and the construction works of Stage II & III was not taken up from Lippa side due to litigation pending in the NGT.</p> <p>Total Muck Generated in Stage-I&III were =575,298 Cum.</p> <p>Total utilized =2,11,917Cum</p> <p>Maximum reutilization of material is being ensured. Same practice will be continued in stage II & 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 & the reclamation works of utilized dumping site at Power House and IPS is completed</p>

<p>(VIII) 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 & 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 in progress.</p>
<p>(IX) 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 lakhs, an amount of Rs 42 lakhs has already been deposited with the Director of Fisheries. On receipt of physical and Financial Progress, the next installment will be released.</p>
<p>(X) 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.</p>	<p>Wildlife Management is a part of CAT Plan and has been reported under CAT Plan Head. Similarly during the reporting period Divisional Forest Officer, Wildlife Sarahan has not conveyed the physical and financial progredd of Wildlife management plan for this reporting period due to COVID -19 issue</p>
<p>(XI) 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.</p>	<p>During 31st meeting standing Committee of National Board for wildlife held on 12th - 13th 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(31st 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.</p>

Part -B: General Conditions

<p>(I) 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.</p>	<p>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.</p>
---	---

	<p>2020 to March. 2021 38 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, Since the Construction activities of Stage -I. being implemented by M/S HCC is complete now</p>
<p>(II) 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.</p>	<p>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 2020 to March.2021 38 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, Since the Construction activities of Stage -I. being implemented by M/S HCC is complete now A dispensary has been opened at project site with one Pharmacist and medical aids, at Intake and Power House sites by Ms Patel Engineering and M/s Andritz Hydro Ltd. 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 kits etc.</p> <p>During the reporting period, i.e. April 2019 to Sept. 2019 expenditure incurred for providing medical facilities, by main contractor i.e. M/s PEL are as under:-</p> <ol style="list-style-type: none"> 1. Compounder and Tr. Medical Staff Expenses Rs.Nil /- 2. Purchasing medicines 60,000/-
<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>	<p>Prior to the engagements in the construction activities all the laboures were thoroughly checked up and after ensuring the complete fitness the labourers are being engaged, routine checkups are being followed up by the Main contractors. All new labour being engaged is subjected to medical check-ups</p>

<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>	<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 & 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 is complete. Dumping in these sites has been stopped after the completion of excavation work. 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>(V) Financial provision should be made in the total budget of the project for implementation of the above suggested safeguards measures</p>	<p>As on date. 12,872 nos of crate 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 and now project proponent has started the reclamation of dumping site /biological treatment/measures of the Dumping sites at Ppower House and IPS completed through the Contractor having expertise in the relevant field in consultation with HPFD</p> <p>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</p>

	<p>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. 1st installment of LADA amounting to Rs 72.10 lakhs has already been deposited with the LADC out of Rs. 7.21 crore. 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.</p>
(VI) Six monthly monitoring reports should be submitted to be Ministry and its Regional Office, Chandigarh for review.	<p>Monitoring reports are being submitted regularly. Last report for the period ending Dec , 2020 was sent vide GM Kashang letter No. HPPCL /IKHEP/E&F/(K-1)/Vol-XXI-2019-20/ 3714-18 dated 07-12-2020 . -dated 06.12.2020 copy attached as Annexure - E</p>
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.	<p>During this period none of the representative of Regional office MOEF Chandigarh/ Dehradun has visited the project site of IKHEP. HPPCL commits to provide full co-operation and to ensure documents/data available to the official (s) from MOEF, Chandigarh/ Deharadun during the inspection.</p>
7. The responsibility of implementation of environmental safeguards rests fully with the Himachal Pradesh Power Corporation Ltd. & Government of Himachal Pradesh.	<p>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</p>
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.	<p>Project proponent is abiding by the condition.</p>
9. In case of change in the scope of the project would require a fresh appraisal.	<p>No change in the scope is envisaged at present.</p>
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	<p>In case of IKHEP Stage I, no additional safeguard measures were imposed by MOEF.</p>

of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	
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.	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 processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	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.
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 http://www.enfor.nic.in	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,2020 was sent vide GM Kashang letter No No. HPPCL /IKHEP/E&F/(K-1)/Vol-XXI-2019-20/ 3714-18 dated 07-12-2020 copy attached as Annexure -E
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. www.greentribunal.gov.in

Status of details of expenditure under R&R activities carried out against IKHEP Stage-I II & III as on 31/03/2021.

Sr. No.	R&R and other activities	Total Amount	Balance Amount
1	Land Compensation	45,38,52,964	5,36,523
2	Financial Assistance in Lieu of Forest Customary Rights to 510 PAF's.	3,76,40,250	
3	R&R Grants	96,97,087	
4	312 No. Works awarded to 61 Contractors (w.e.f. year 2008 to March, 2021)	19,30,05,934	
5	LADF (Local Area Development Fund) deposited against Stage-I (Rs. 7.06 Crore), Stage-II & III (1,80,5000 Crore) of IKHEP.	8,86,25,000	
6	Damage Compensation	0.00	
i	Compensation for Cracks in houses (151 Families)	25,00,000	
	Additional Compensation for Cracks in houses	80,00,000	
ii	Damage Compensation (5 No. Families)	18,95,873	
7	R&R Activities	0.00	
i	Crop compensation w.e.f. 2010-11 to 2013-14	2,71,31,741	
ii	Training & Awareness Camps (18 No.)	4,27,671	
iii	Merit Scholarship Scheme (26+46+32+38+31+28+15+29+25+1+54=365 Nos.)	29,20,200	
iv	School Competition (10 No.)	67,898	
v	Sports Tournament (5 No.)	1,01,406	
vi	Varshik Mela (3 No.)	3,10,667	
vii	Project level Medical Fund Scheme (53 beneficiaries) up to March, 2021	12,75,696	
viii	Grant to CBO (Community based Organization)	80,000	
	Total -	82,50,84,740	
8	Other benefits extended to MPAF's & PAF's of Pangri Village under R&R Programme.		
i	Sponsored Candidates in various ITI of Himachal Pradesh (55 No. + 5 Nos. (during this year 2020-22).	21,86,823	
ii	Indirect Employment in HPPCL through outsource (w.e.f. year 2008 to March, 2021) = 69 (As on date 40)	4,78,62,249	
	Employment in HCC -69	0.00	
	Employment in M/s Patel Engineering -46	0.00	
	M/s Adiz Hydro -9	0.00	
iii	29 Vehicle hired in IKHEP from Pangri village (w.e.f. year 2008 to March, 2021)	2,01,34,266	
9	Other Misc. welfare works	0.00	
i	Donation of 4 No. Trees for Construction of Devta Mandir at Village Pangri	7,12,187	
ii	Purchasing & installation of Additional 25 No. Solar Light	4,77,925	
iii	Plots (5 Biswa each for 7 families)	36,40,000	
iv	Plots (5 Biswa each for 7 families) allotted during December, 2016	36,40,000	
v	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.	3,25,36,204	
vi	Expenditure incurred on other R&R/Welfare activities	75,14,084	
	Total	12,86,43,988	
	Grand Total	95,37,28,728	5,36,523



Ministry of Environment and Forests Northern regional office Dehradun DATA SHEET		
1	Project Type	Hydro Electric Project
2	Name of the Project	Integrated Kashang Hydroelectric Power Project Stage-I, II & III& IV(243MW)
3	Clearance letter (S) O.M NO. & dates	<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 23rd June 2004.</p> <p>Forest Clearance for Stage II & III vide letter No. F-No.9HPC366/09-CHA dated 14th June 2011.</p>
4	Location: a) District (S) b) State (S) c) Latitudes/Longitudes	<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>
5	Address for correspondence:	Dy.General Manager (C) Cum HoP, Integrated Kashang HEP Stage II & III, Kinfed Building, HPPCL, Reckong Peo, Distt. Kinnaur.
6	Salient features: a) Of the Project b) Of the Environmental Management plans	<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 power house.</p>

The proposed Integrated Kashang Project comprises of four distinct stages of development:

- 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;
- 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;
- 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.
- 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

The following components of EMP are being implemented:-

1. Catchment Area Treatment Plan.
2. Implementation of Resettlement & Rehabilitation Plan.
3. Compensatory Afforestation.
4. Muck Management Plan.
5. Health Management Plan.
6. Provision for Subsidized Fuel.
7. Disaster Management Plan.
8. Environment Monitoring Plan.
9. Fisheries Development Plan

7	Breakup of the project area a) Submergence area: forest and non- forest. b) Others	Since it is a run of the river scheme there will be no submergence of forest and non-forest area.																														
8	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. a) SC/ST/adivasis b) Others 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.	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	Financial details: a) projects cost as originally planned and Subsequent revised estimates and the year of price reference.	<p>The stage wise project cost as per DPR is as under:-</p> <p>a.</p> <table><tr><th>Stage of the project</th><th>Civil Work</th><th>E & M Works</th><th>Total</th></tr><tr><td>I</td><td>288.79</td><td>246.50</td><td>535.29</td></tr><tr><td>II & 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>Total</td><td>749.94</td><td>452.50</td><td>1202.44</td></tr></table> <p>As per the approved TEC now revised cost for stage I,II &III:-</p> <table><tr><th>Project</th><th>Civil</th><th>E&M</th><th>IDC, Financial Charges &LADA</th><th>Total</th></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	Total	749.94	452.50	1202.44	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																													
Total	749.94	452.50	1202.44																													
Project	Civil	E&M	IDC, Financial Charges &LADA	Total																												
Stage-I	290.13	114.67	73.21	478.01																												

b) Allocation made for environmental management plans with item wise and Year wise break up.

C) Benefit cost ratio/Internal rate of return and the year of assessment.

d) Whether (c) includes the cost of environmental management as shown in

b) above

e) Actual expenditure incurred on the project so far.

F) actual expenditure incurred on the environmental management plans so far:

Stage-II&III	303.18	123.33	61.68	488.19
Total	593.31	238.00	134.89	966.20

b. Total allocation made for Environment Management Plan is Rs. 5150.60 Lacks. and year wise breakup of CAT Plan is enclosed as "Annexure -B1"

c. As per the DPR cost benefit ratio of the project is estimated at 1.8 and internal rate of returns is 12.2%.

d. Yes.

e. Actual expenditure incurred on the project so far is appended as "Annexure-B2"

f. The expenditure incurred in EMP is as under:-

Scheme	Expenditure (in Rs.)
CAT Plan	13,67,98,231/-
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	1,54,77,400/--
Deptt. of Env. Science and Technology	20,00,000/-

	actual field experience so far.	against Stage II III, Rs 1,19,57,406/- has been deposited with HP Forest Department vide letter No. HPPCL/IKHEP/E&RR-IV-V01/2010-11-11410-13 dated 31/03/2011 DFO Kinnaur has conveyed physical and financial progress during the last Financial year DFO Kinnaur had conveyed Nil progress during this reporting period due to COVID-19 issue .
11	The status of clear felling in non forest 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	Status of construction:- a) Date of commencement (actual and/ or planned) b) Date of completion (actual and/ or Planned)	<p>a. Date of commencement 9.04.2009, for Stage-I, 12 .11.2010 for Stage II &III.</p> <p>b. Integrated Kashang HEP Stage- I was commissioned in the month of Sept. 2016. Stage II &III due to resistance by the villagers of Lippa. Now after the disposal of NGT case villagers of Lippa are now welcoming the Project proponent for the Construction work. as on data no major construction activities has been started. Only the infrastructure relate works i.e. approach road to the intake of the Stage III is in progress.</p>
13	Reason for delay if the projects is yet to start:	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
	TOTAL	5150.60

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

Cost Estimate of CAT Plan

Sl. No.	Particulars	Amount (Rs. Lacs)
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)	1154.72
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
	Grand Total	3050.60

PROJECT COST I.K H.E.P (as per SAP Capitalized in Stage-1)**As on 31.03.2021**

SN	Discription of Works	Stage -I As per DPR-March 2008 Price Level (In Lacs)	Project Cost 31.03.2021 STAGE-1 (65 MW) (Rs. In Lacs)
	I- Works		
1	A- Preliminary	1312.81	2561.99
2	B- Land	1359.12	5152.84
3	C- Works		0.00
3.1	River Diversion & Intake Structure	450.87	1340.03
3.2	Conveyanc Channel	180.41	555.29
3.3	De-silting Basins	1291.37	1192.49
	Sub Total C- Works	1922.65	3087.81
4	J- Works		
4.1	Power Channel	231.60	344.06
4.2	Head Race Tunnel	2765.14	4236.87
4.3	Balancing Reservoir	2033.94	3829.53
4.4	Pressure Shaft & Valve Chamber	7856.14	16726.46
4.5	Power House I,II &III	1058.43	4944.13
4.6	Transformer Hall I,II&III	769.6	922.12
4.7	Main Access Tunnel	416.79	582.39
4.8	Tail Race Tunnel	593.23	683.97
4.9	Adits	2161.49	2969.39
	Sub Total J- Works	17886.36	35238.93
5	K- Buildings	1148.23	761.40
6	M- Plantation	43.34	0.00
7	O- Miscellaneous	805.32	969.56
8	P- Maintenance @ 1% (I Works - A-B-Q-O-M-X)	225.10	15.24
9	Q- Special T &P	195.56	20.74
10	R- Communication	1267.5	2458.21
11	X- Environment & Ecology	600.00	4627.97
12	Y- Losses on Stock @ 0.25% (Iworks-A-B-Q)	59.9	0.00
	Total I- Works	26825.89	54894.68
II	Establishment @ 8% (I Works- B Land)	2037.34	10909.61
III	T&P	200	1.31
IV	Receipts and Recoveries	-195.19	0.00
	Total Direct Charges	28868.04	65805.61
	Indirect Charges		
V	Audit & Accouts & Pro-rata of H.O. Establishment (0.5%)	134.13	1.03
VI	Capitalization of abatement of land revenue	10	0.00
	Total Indirect Charges	144.13	1.03
	G. TOTAL (DIRECT & INDIRECT CHG)	29013.00	65806.63
VII	E&M Works I,II&III	11467.00	21689.92
	Total Base Cost	40480.00	87496.55
VIII	IDC & Financing Costis	6615.60	15376.02
IX	LADC	706.40	1567.20
	Grand Total	47802.00	104439.77

INTEGRATED KASHANG HYDRO ELECTRIC PROJECT- STAGE- II & III (as per SAP)

		(in Lacs)	
SN	Discription of Works	As per DPR-April 2009 Price Level (Rs. in Lacs)	Total Project Cost as on 31.03.2021
	I- Works		
1	A- Preliminary	2580.68	1,058.73
2	B- Land	856.01	818.45
3	C- Works		
3.1	River Diversion & Intake Structure	270.85	0.01
3.2	Conveyanc Channel	196.41	-
3.3	De-silting Basins	1793.54	-
3.4	Kerang Kashang Link Tunnel	9473.95	152.86
3.5	Balancing Reservoir	6240.08	14,813.82
3.6	Adits	1494.81	-
	Sub Total C- Works	19469.65	14966.69
4	J- Works		
4.1	Civil Works for Unit-III	179.11	-
	Proportioned cost of Power house now included in DPR of Kashang Stage - II & III	646.4	-
	Proportioned cost of Transformer Hall now included in DPR of Kashang Stage - II & III	605.64	-
	Sub Total J- Works	1431.19	0
5	K- Buildings	486.33	-
6	M- Plantation	26.72	-
7	O- Miscellaneous	588.50	165.19
8	P- Maintenance @ 1% (I Works - A-B-Q-O-M-X)	220.34	-
9	Q- Special T &P	74.00	-
10	R- Communication	365.90	156.96
11	X- Environment & Ecology	1812.00	453.07
12	Y- Losses on Stock @ 0.25% (Iworks-A-B-Q)	61.5	-
	Total I- Works	2169.24	17,19.67
II	Establishment @ 8% (I Works- B Land)	100.90	2,949.39
III	T&P	-67.70	0.22
IV	Receipts and Recoveries		-
	Total Direct Charges	30173.13	20568.68
	Indirect Charges		
V	Audit & Accouts & Pro-rata of H.O. Establishment (0.5%)	139.86	0.64
VI	Capitalization of abatement of land revenue	5.00	-
	Total Indirecte Charges	144.86	0.64
	G. TOTAL (DIRECT & INDIRECT CHG)	30317.99	20569.32
VII	E&M Works	12333.00	-
	Total Base Cost	42650.99	20569.32
VIII	IDC & Financing Costis	5447.00	7,759.68
IX	LADC	721	427.00
	Grand Total	48811.99	28756.00

Note :- The expenditure of E& M Components has been charged/Capitalized to Stage1 as per instruction of the Statutory Auditors.

5/

Annex - C



H.P. STATE POLLUTION CONTROL BOARD
"Opp. Indira Market, Rampur, Distt. Shimla (HP)"
Phone and Fax No. 01782-233887

NO.HPPCB/RMP/Kashang HEP / 809

Dated/ 4/1/2021

To

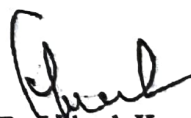
The General Manager,
Integrated Kashang HEP (HPPCL),
Reckong Peo, Tehsil Kalpa,
Distt. Kinnaur H.P.

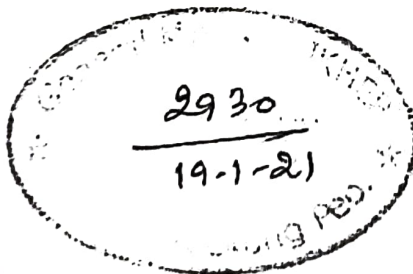
Subject: EMP Reports under Air Act, 1981.

Sir,

Please find enclosed herewith analysis report No. 3066 to 3072 dated 03.12.2020 of the Air Samples as per provisions of Air Act, 1981. This is submitted for information and further necessary action.

Yours faithfully,


(Er. Lokesh Kumar)
Jr Environmental Engineer



Encl: As above.

68
18/1

19/1/21

REPORT OF THE BOARD ANALYST

Report No 3072

Dated 03.12.2020

I hereby certify that I, Sanjeev Sharma State Board Analyst duly appointed under sub-section (2) of section 29 of the Air (Prevention and Control of Pollution) Act, 1981 received on the 08th day of Oct.- 2020 from Er. Lokesh Thakur, Jr. Environmental Engineer, Regional Office, HP State Pollution Control Board, Rampur a sample of RSPM collected at Ram Leela ground near DC Office on 26.09.2020 of M/s Kashang HEP (HPPCL), VPO Reckong Peo, Tehsil Kalpa, Distt. Kinnaur for analysis. The sample was in a condition fit for analysis reported below:

I further certify that I have analysed the aforementioned sample on 08.10.2020 to 23.10.2020 and declare the result of analysis is to be as follows :-

S.no	Parameter	Result	Test Method
1.	Respirable Particulate Matter (RSPM)	116.15 $\mu\text{g}/\text{m}^3$	Guidelines for the Measurement of Ambient Air Pollutants, Volume-I by CPCB, New Delhi

The condition of the seals, fastening and container on receipt was as follows:-

Filter paper was enclosed in sealed envelope with the impression of PCB. The envelope contained details of sample like source of sample, time and date of collection, name and designation of person who had collected the sample.

Signed this on 4th day of Dec, 2020

Remarks:

Result is above the limit as prescribed for ambient air quality under NAAQS.

Signature
(State Board Analyst)
Regional Laboratory, Below BCS, Phase-III, Shimla

Address :
To

The General Manager,
Kashang HEP (HPPCL),
VPO Reckong Peo, Tehsil Kalpa,
Distt. Kinnaur, H.P.

REPORT OF THE BOARD ANALYST

Report No 3070

Dated 03.12.2020

I hereby certify that I, Sanjeev Sharma State Board Analyst duly appointed under sub-section (2) of section 29 of the Air (Prevention and Control of Pollution) Act, 1981 received on the 08th day of Oct.- 2020 from Er. Lokesh Thakur, Jr. Environmental Engineer, Regional Office, HP State Pollution Control Board, Rampur a sample of RSPM collected on 23.09.2020 at Guest House HPPCL of M/s Kashang HEP (HPPCL), VPO Reckong Peo, Tehsil Kalpa, Distt. Kinnaur for analysis. The sample was in a condition fit for analysis reported below:

I further certify that I have analysed the aforementioned sample on 08.10.2020 to 23.10.2020 and declare the result of analysis is to be as follows :-

S.no	Parameter	Result	Test Method
1.	Respirable Particulate Matter (RSPM)	22.57 $\mu\text{g}/\text{m}^3$	Guidelines for the Measurement of Ambient Air Pollutants, Volume-I by CPCB, New Delhi

The condition of the seals, fastening and container on receipt was as follows:-

Filter paper was enclosed in sealed envelope with the impression of PCB. The envelope contained details of sample like source of sample, time and date of collection, name and designation of person who had collected the sample.

Signed this on 4th day of Dec, 2020

Remarks:

Result is within limit as prescribed for ambient air quality under NAAQS.

Signature
(State Board Analyst)
Regional Laboratory, Below BCS, Phase III, Shimla

Address :
To

The General Manager,
Kashang HEP (HPPCL),
VPO Reckong Peo, Tehsil Kalpa,
Distt. Kinnaur, H.P.

REPORT OF THE BOARD ANALYST

Report No 3071

Dated 03.12.2020

I hereby certify that I, Sanjeev Sharma State Board Analyst duly appointed under sub-section (2) of section 29 of the Air (Prevention and Control of Pollution) Act, 1981 received on the 08th day of Oct.- 2020 from Er. Lokesh Thakur, Jr. Environmental Engineer, Regional Office, HP State Pollution Control Board, Ranipur a sample of RSPM collected on 24.09.2020 at Power House Site of M/s Kashang HEP (HPPCL), VPO Reckong Peo, Tehsil Kalpa, Distt. Kinnaur for analysis. The sample was in a condition fit for analysis reported below:
I further certify that I have analysed the aforementioned sample on 08.10.2020 to 23.10.2020 and declare the result of analysis is to be as follows :-

S.no	Parameter	Result	Test Method
1.	Respirable Particulate Matter (RSPM)	24.62 $\mu\text{g}/\text{m}^3$	Guidelines for the Measurement of Ambient Air Pollutants, Volume-I by CPCB, New Delhi

The condition of the seals, fastening and container on receipt was as follows:-

Filter paper was enclosed in sealed envelope with the impression of PCB. The envelope contained details of sample like source of sample, time and date of collection, name and designation of person who had collected the sample.

Signed this on 4th day of Dec, 2020

Remarks:

Result is within limit as prescribed for ambient air quality under NAAQS.

Address :
To

The General Manager,
Kashang HEP (HPPCL),
VPO Reckong Peo, Tehsil Kalpa,
Distt. Kinnaur, H.P.


(State Board Analyst)
Regional Laboratory, Below BCS, Phase-III, Shimla

REPORT OF THE BOARD ANALYST

Report No 3069
Dated 03.12.2020

I hereby certify that I, Sanjeev Sharma State Board Analyst duly appointed under sub-section (2) of section 29 of the Air (Prevention and Control of Pollution) Act, 1981 received on the 08th day of Oct.- 2020 from Er. Lokesh Thakur, Jr. Environmental Engineer, Regional Office, HP State Pollution Control Board, Rampur a sample of RSPM collected on 22.09.2020 at Office Site Intake of M/s Kashang HEP (HPPCL), VPO Reckong Peo, Tehsil Kalpa, Distt. Kinnaur for analysis. The sample was in a condition fit for analysis reported below:
I further certify that I have analysed the aforementioned sample on 08.10.2020 to 23.10.2020 and declare the result of analysis is to be as follows :-

S.no	Parameter	Result	Test Method
1.	Respirable Particulate Matter (RSPM)	26.70 $\mu\text{g}/\text{m}^3$	Guidelines for the Measurement of Ambient Air Pollutants, Volume-I by CPCB, New Delhi

The condition of the seals, fastening and container on receipt was as follows:-

Filter paper was enclosed in sealed envelope with the impression of PCB. The envelope contained details of sample like source of sample, time and date of collection, name and designation of person who had collected the sample.

Signed this on 4th day of Dec, 2020

Remarks:

Result is within limit as prescribed for ambient air quality under NAAQS.

Signature
(State Board Analyst)
Regional Laboratory, Below BCS, Phase-III, Shimla

Address :
To

The General Manager,
Kashang HEP (HPPCL),
VPO Reckong Peo, Tehsil Kalpa,
Distt. Kinnaur, H.P.

REPORT OF THE BOARD ANALYST

Report No

3068

Dated

03.12.2020

I hereby certify that I, Sanjeev Sharma State Board Analyst duly appointed under sub-section (2) of section 29 of the Air (Prevention and Control of Pollution) Act, 1981 received on the 08th day of Oct.- 2020 from Er. Lokesh Thakur, Jr. Environmental Engineer, Regional Office, HP State Pollution Control Board, Rampur a sample of RSPM collected on 22.09.2020 at Pangri Village of M/s Kashang HEP (HPPCL), VPO Reckong Peo, Tehsil Kalpa, Distt. Kinnaur for analysis. The sample was in a condition fit for analysis reported below:
I further certify that I have analysed the aforementioned sample on 08.10.2020 to 23.10.2020 and declare the result of analysis is to be as follows :-

S.no	Parameter	Result	Test Method
1.	Respirable Particulate Matter (RSPM)	19.97 $\mu\text{g}/\text{m}^3$	Guidelines for the Measurement of Ambient Air Pollutants, Volume-I by CPCB, New Delhi

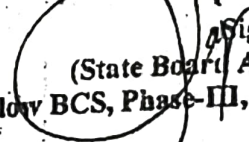
The condition of the seals, fastening and container on receipt was as follows:-

Filter paper was enclosed in sealed envelope with the impression of PCB. The envelope contained details of sample like source of sample, time and date of collection, name and designation of person who had collected the sample.

Signed this on 4th day of Dec, 2020

Remarks:

Result is within limit as prescribed for ambient air quality under NAAQS.


(State Board Analyst)
Regional Laboratory, Below BCS, Phase-III, Shimla

Address :
To

✓ The General Manager,
Kashang HEP (HPPCL),
VPO Reckong Peo, Tehsil Kalpa,
Distt. Kinnaur, H.P.

REPORT OF THE BOARD ANALYST

Report No

3067

Dated

03.12.2020

I hereby certify that I, Sanjeev Sharma State Board Analyst duly appointed under sub-section (2) of section 29 of the Air (Prevention and Control of Pollution) Act, 1981 received on the 08th day of Oct.- 2020 from Er. Lokesh Thakur, Jr. Environmental Engineer, Regional Office, HP State Pollution Control Board, Rampur a sample of RSPM collected on 21.09.2020 at Workers Colony Intake Site of M/s Kashang HEP (HPPCL), VPO Reckong Peo, Tehsil Kalpa, Distt. Kinnaur for analysis. The sample was in a condition fit for analysis reported below:

I further certify that I have analysed the aforementioned sample on 08.10.2020 to 23.10.2020 and declare the result of analysis is to be as follows :-

S.no	Parameter	Result	Test Method
1.	Respirable Particulate Matter (RSPM)	20.83 $\mu\text{g}/\text{m}^3$	Guidelines for the Measurement of Ambient Air Pollutants, Volume-I by CPCB, New Delhi

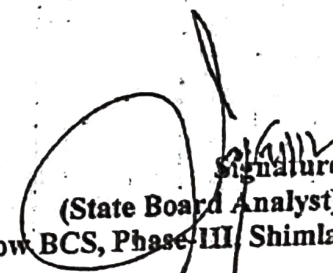
The condition of the seals, fastening and container on receipt was as follows:-

Filter paper was enclosed in sealed envelope with the impression of PCB. The envelope contained details of sample like source of sample, time and date of collection, name and designation of person who had collected the sample.

Signed this on 4th day of Dec, 2020

Remarks:

Result is within limit as prescribed for ambient air quality under NAAQS.


(State Board Analyst)
Regional Laboratory, Below BCS, Phase III, Shimla

Address :

To

The General Manager,
Kashang HEP (HPPCL),
VPO Reckong Peo, Tehsil Kalpa,
Distt. Kinnaur, H.P.

REPORT OF THE BOARD ANALYST

Report No 3066
Dated 03.12.2020

I hereby certify that I, Sanjeev Sharma State Board Analyst duly appointed under sub-section (2) of section 29 of the Air (Prevention and Control of Pollution) Act, 1981 received on the 08th day of Oct.- 2020 from Er. Lokesh Thakur, Jr. Environmental Engineer, Regional Office, HP State Pollution Control Board, Rampur a sample of RSPM collected on 21.09.2020 at Intake Site of M/s Kashang HEP (HPPCL), VPO Reckong Peo, Tehsil Kalpa, Distt. Kinnaur for analysis. The sample was in a condition fit for analysis reported below:
I further certify that I have analysed the aforementioned sample on 08.10.2020 to 23.10.2020 and declare the result of analysis is to be as follows :-

S.no	Parameter	Result	Test Method
1.	Respirable Particulate Matter (RSPM)	28.98 $\mu\text{g}/\text{m}^3$	Guidelines for the Measurement of Ambient Air Pollutants, Volume-I by CPCB, New Delhi

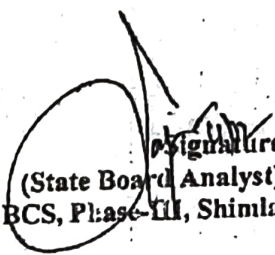
The condition of the seals, fastening and container on receipt was as follows:-

Filter paper was enclosed in sealed envelope with the impression of PCB. The envelope contained details of sample like source of sample, time and date of collection, name and designation of person who had collected the sample.

Signed this on 4th day of Dec, 2020

Remarks:

Result is within limit as prescribed for ambient air quality under NAAQS.


(State Board Analyst)
Regional Laboratory, Below BCS, Phase-III, Shimla

Address :
To

✓ The General Manager,
Kashang HEP (HPPCL),
VPO Reckong Peo, Tehsil Kalpa,
Distt. Kinnaur, H.P.

REPORT OF THE BOARD ANALYST

Report No 3212
Dated 06.02.2021

I hereby certify that I, Sanjeev Sharma State Board Analyst duly appointed under sub-section (2) of section 29 of the Air (Prevention and Control of Pollution) Act, 1981 received on the 11th day of Jan.- 2021 from Er. Lokesh Thakur, Jr. Environmental Engineer, Regional Office, HP State Pollution Control Board, Rampur a sample of RSPM collected on 17.12.2020 at Intake Site of M/s Kashang IEP, VPO Reckong Poo, Tehsil Kalpa, Distt. Kinnaur for analysis. The sample was in a condition fit for analysis reported below:
I further certify that I have analysed the aforementioned sample on 11.01.2021 to 23.01.2021 and declare the result of analysis is to be as follows :-

S.no	Parameter	Result	Test Method
1.	Respirable Particulate Matter (RSPM)	37.46 µg/m ³	Guidelines for the Measurement of Ambient Air Pollutants, Volume-I by CPCB, New Delhi

The condition of the seals, fastening and container on receipt was as follows:-

- 3 Filter paper was enclosed in sealed envelope with the impression of PCB. The envelope contained details of sample like source of sample, time and date of collection, name and designation of person who had collected the sample.

Signed this on 6th day of Feb. 2021

Remarks:

Result is within limit as prescribed for ambient air quality under NAAQS.


(State Board Analyst)
Regional Laboratory, Below BCS, Phase-III, Shimla

Address :
To

3 The General Manager,
Kashang IEP (HPPCL),
VPO Reckong Poo, Tehsil Kalpa,
Distt. Kinnaur, H.P.

REPORT OF THE BOARD ANALYST

Report No 3213
Dated 06.02.2021

I hereby certify that I, Sanjeev Sharma State Board Analyst duly appointed under sub-section (2) of section 29 of the Air (Prevention and Control of Pollution) Act, 1981 received on the 11th day of Jan.- 2021 from Er. Lokesh Thakur, Jr. Environmental Engineer, Regional Office, HP State Pollution Control Board, Rampur a sample of RSPM collected on 17.12.2020 at Workers colony Intake of M/s Kashang HEP, VPO Reckong Peo, Tehsil Kalpa, Distt. Kinnaur for analysis. The sample was in a condition fit for analysis reported below:
I further certify that I have analysed the aforementioned sample on 11.01.2021 to 23.01.2021 and declare the result of analysis is to be as follows :-

S.no	Parameter	Result	Test Method
1.	Respirable Particulate Matter (RSPM)	60.97 $\mu\text{g}/\text{m}^3$	Guidelines for the Measurement of Ambient Air Pollutants, Volume-I by CPCB, New Delhi

The condition of the seals, fastening and container on receipt was as follows:-

Filter paper was enclosed in sealed envelope with the impression of PCB. The envelope contained details of sample like source of sample, time and date of collection, name and designation of person who had collected the sample.

Signed this on 6th day of Feb, 2021

Remarks:

Result is within limit as prescribed for ambient air quality under NAAQS.

Signature
(State Board Analyst)
Regional Laboratory, Below BCS, Phase-II, Shimla

Address :
To

The General Manager,
Kashang HEP (HPPCL),
VPO Reckong Peo, Tehsil Kalpa,
Distt. Kinnaur, H.P.

REPORT OF THE BOARD ANALYST

Report No

3214

Dated

06.02.2021

I hereby certify that I, Sanjeev Sharma State Board Analyst duly appointed under sub-section (2) of section 29 of the Air (Prevention and Control of Pollution) Act, 1981 received on the 11th day of Jan.- 2021 from Er. Lokesh Thakur, Jr. Environmental Engineer, Regional Office, HP State Pollution Control Board, Rampur a sample of RSPM collected on 18.12.2020 at Office Site Intake of M/s Kashang HEP, VPO Reckong Peo, Tehsil Kalpa, Distt. Kinnaur for analysis. The sample was in a condition fit for analysis reported below:

I further certify that I have analysed the aforementioned sample on 11.01.2021 to 23.01.2021 and declare the result of analysis is to be as follows :-

S.no	Parameter	Result	Test Method
1.	Respirable Particulate Matter (RSPM)	63.92 $\mu\text{g}/\text{m}^3$	Guidelines for the Measurement of Ambient Air Pollutants, Volume-I by CPCB, New Delhi

The condition of the seals, fastening and container on receipt was as follows:-

Filter paper was enclosed in sealed envelope with the impression of PCB. The envelope contained details of sample like source of sample, time and date of collection, name and designation of person who had collected the sample.

Signed this on 6th day of Feb. 2021

Remarks:

Result is within limit as prescribed for ambient air quality under NAAQS.

Signature
(State Board Analyst)

Regional Laboratory, Below BCS, Phase-III, Shimla

Address :

To

The General Manager,
Kashang HEP (HPPCL),
VPO Reckong Peo, Tehsil Kalpa,
Distt. Kinnaur, H.P.

REPORT OF THE BOARD ANALYST

Report No 3215
Dated 06.02.2021

I hereby certify that I, Sanjeev Sharma State Board Analyst duly appointed under sub-section (2) of section 29 of the Air (Prevention and Control of Pollution) Act, 1981 received on the 11th day of Jan.- 2021 from Er. Lokesh Thakur, Jr. Environmental Engineer, Regional Office, HP State Pollution Control Board, Rampur a sample of RSPM collected on 18.12.2020 at Pangi Village of M/s Kashang HEP, VPO Reckong Peo, Tehsil Kalpa, Distt. Kinnaur for analysis. The sample was in a condition fit for analysis reported below:
I further certify that I have analysed the aforementioned sample on 11.01.2021 to 23.01.2021 and declare the result of analysis is to be as follows :-

S.no	Parameter	Result	Test Method
1.	Respirable Particulate Matter (RSPM)	41.69 µg/m ³	Guidelines for the Measurement of Ambient Air Pollutants, Volume-I by CPCB, New Delhi

The condition of the seals, fastening and container on receipt was as follows:-

Filter paper was enclosed in sealed envelope with the impression of PCB. The envelope contained details of sample like source of sample, time and date of collection, name and designation of person who had collected the sample.

Signed this on 6th day of Feb. 2021

Remarks:

Result is within limit as prescribed for ambient air quality under NAAQS.

Signature
(State Board Analyst)
Regional Laboratory, Below BCS, Phase-III, Shimla

Address :
To

The General Manager,
Kashang HEP (HPPCL),
VPO Reckong Peo, Tehsil Kalpa,
Distt. Kinnaur, H.P.

REPORT OF THE BOARD ANALYST

Report No

3216

Dated

06.02.2021

I hereby certify that I, Sanjeev Sharma State Board Analyst duly appointed under sub-section (2) of section 29 of the Air (Prevention and Control of Pollution) Act, 1981 received on the 11th day of Jan.- 2021 from Er. Lokesh Thakur, Jr. Environmental Engineer, Regional Office, HP State Pollution Control Board, Rampur a sample of RSPM collected on 19.12.2020 at Guest House HPPCL (KHEP) of M/s Kashang HEP, VPO Reckong Peo, Tehsil Kalpa, Distt. Kinnaur for analysis. The sample was in a condition fit for analysis reported below:
I further certify that I have analysed the aforementioned sample on 11.01.2021 to 23.01.2021 and declare the result of analysis is to be as follows :-

S.no	Parameter	Result	Test Method
1.	Respirable Particulate Matter (RSPM)	29.62 µg/m ³	Guidelines for the Measurement of Ambient Air Pollutants, Volume-I by CPCB, New Delhi

The condition of the seals, fastening and container on receipt was as follows:-

Filter paper was enclosed in sealed envelope with the impression of PCB. The envelope contained details of sample like source of sample, time and date of collection, name and designation of person who had collected the sample.

Signed this on 6th day of Feb, 2021

Remarks:

Result is within limit as prescribed for ambient air quality under NAAQS.


(State Board Analyst)
Regional Laboratory, Below BCS, Phase-II, Shimla

Address :

To

The General Manager,
Kashang HEP (HPPCL),
VPO Reckong Peo, Tehsil Kalpa,
Distt. Kinnaur, H.P.

REPORT OF THE BOARD ANALYST

Report No
Dated

3217
06.02.2021

I hereby certify that I, Sanjeev Sharma State Board Analyst duly appointed under sub-section (2) of section 29 of the Air (Prevention and Control of Pollution) Act, 1981 received on the 11th day of Jan.- 2021 from Er. Lokesh Thakur, Jr. Environmental Engineer, Regional Office, HP State Pollution Control Board, Rampur a sample of RSPM collected on 19.12.2020 at Ram Leela Ground Reckong Peo of M/s Kashang HEP, VPO Reckong Peo, Tehsil Kalpa, Distt. Kinnaur for analysis. The sample was in a condition fit for analysis reported below:
I further certify that I have analysed the aforementioned sample on 11.01.2021 to 23.01.2021
and declare the result of analysis is to be as follows :-

S.no	Parameter	Result	Test Method
1.	Respirable Particulate Matter (RSPM)	56.61 $\mu\text{g}/\text{m}^3$	Guidelines for the Measurement of Ambient Air Pollutants, Volume-I by CPCB, New Delhi

The condition of the seals, fastening and container on receipt was as follows:-

Filter paper was enclosed in sealed envelope with the impression of PCB. The envelope contained details of sample like source of sample, time and date of collection, name and designation of person who had collected the sample.

Signed this on 6th day of Feb, 2021

Remarks:

Result is within limit as prescribed for ambient air quality under NAAQS.

Address :
To

The General Manager,
Kashang HEP (HPPCL),
VPO Reckong Peo, Tehsil Kalpa,
Distt. Kinnaur, H.P.

Signature
(State Board Analyst)
Regional Laboratory, Below BCS, Phase-III, Shimla

REPORT OF THE BOARD ANALYST

3218

06.02.2021

Report No. 3218 dated 06.02.2021
I hereby certify that I, Sanjeev Sharma State Board Analyst duly appointed under sub-section (2) of section 29 of the Air (Prevention and Control of Pollution) Act, 1981 received on the 11th day of Jan.- 2021 from Er. Lokesh Thakur, Jr. Environmental Engineer, Regional Office, HP State Pollution Control Board, Rampur a sample of RSPM collected on 20.12.2020 at Power House Site of M/s Kashang HEP, VPO Reckong Peo, Tehsil Kalpa, Distt. Kinnaur for analysis. The sample was in a condition fit for analysis reported below:
I further certify that I have analysed the aforementioned sample on 11.01.2021 to 23.01.2021 and declare the result of analysis is to be as follows :-

S.no	Parameter	Result	Test Method
1.	Respirable Particulate Matter (RSPM)	22.42 $\mu\text{g}/\text{m}^3$	Guidelines for the Measurement of Ambient Air Pollutants, Volume-I by CPCB, New Delhi

The condition of the seals, fastening and container on receipt was as follows:-

Filter paper was enclosed in sealed envelope with the impression of PCB. The envelope contained details of sample like source of sample, time and date of collection, name and designation of person who had collected the sample.

Signed this on 6th day of Feb. 2021

Remarks:

Result is within limit as prescribed for ambient air quality under NAAQS.

Signature
(State Board Analyst)
Regional Laboratory, Below BCS, Phase-III, Shimla

Address :-
To

The General Manager,
Kashang HEP (HPPCL),
VPO Reckong Peo, Tehsil Kalpa,
Distt. Kinnaur, H.P.

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

Medical expenditure on workmen for the Period October-2020 to December-2020

Sr. No.	Particulars	Oct-20	Nov-20	Dec-20	TOTAL
1	Compunder & trained medical staff expenses	0	0	0	0
2	Medicine	20000	20000	20000	60000
Total		20000	20000	20000	60000

For Patel Engineering Ltd.



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

Medical expenditure on workmen for the Period January-2021 to March-2021

Sr. No.	Particulars	Jan-21	Feb-21	Mar-21	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



Himachal Pradesh Power Corporation Limited
(A State Government Undertaking)

Integrated Kashang HEP, Reckong Peo Distt. Kinnaur (HP).

Phone/Fax No.: 01786-223810/223992

Email address: gmikhep@gmail.com

NO: - IKHEP/ HPPCL (E&F) K-I/ Vol XX1/2020:- 3714-18 Dated: 07/12/2020

To

The Additional Principal Chief Conservator of Forests,
Ministry of Env. & Forests, Regional office,
Pearson road, FRI Campus, New Forests,
Dehradun-248006.

Sub: C/O Integrated Kashang Hydroelectric Project (243 MW) in District-Kinnaur of HP owned by H.P. Power Corporation Ltd.

Regarding: 6th monthly Compliance report (for period April/2020 to Sep/2020)

Sir,

The subject cited compliance report (for the period from April, 2020 to September, 2020), along with enclosures, is appended herewith for your kind information and necessary action please.

D/A - As above along with Soft copy (65. Pages).

Yours faithfully,

Sandoo 04/12/20
Dy. General Manager (Civil),
IKHEP, Stage II & II,
HPPCL, Reckong Peo (H. P.).

Copy forwarded to:-

- The Chief Environment Specialist, HPPCL, Himfed Building, BCS, New-Shimla-171009, along with above compliance report, for information & needful action please.
- The Divisional Forest Officer Kinnaur, at Reckong Peo, Kinnaur for information along with copy of above compliance report please.
- The Asstt. Environment Engineer, Himachal Pradesh State Pollution Control Board Rampur, 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.