



Himachal Pradesh Power Corporation Limited

(A State Govt. Undertaking)

Corporate Identity Number (CIN) :- U40101HP2006SGC030591

Sawra Kuddu HEP (111MW), HPPCL, Hatkoti, Tehsil Jubbal, Distt. Shimla H.P.-171206

No: HPPCL/GM-SKHEP/Env/2017-18- **5670-73** Dated :- **08-12-17**
To

Dr. S. C. Katiyar,
Scientist 'D'. Govt. of India,
Ministry of Environment Forest & Climate Change,
Regional Office, Pearson road, FRI campus,
Dehradun-248006.

Subject: - Submission of Six Monthly Environment Safeguards Compliance status report for the reporting period 01-04-2017 to 30-09-2017.

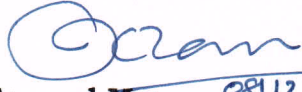
Sir,

Enclosed please find herewith Six Monthly Environment Safeguards Compliance status report for the reporting period ending 01-04-2017 to 30-09-2017 in respect of Sawra Kuddu HEP(111MW).

This is for your information please.

Yours faithfully,

DA: As Above.


General Manager, **08/12/17.**
Sawra Kuddu HEP,
HPPCL, Hatkoti.

Copy to the following along with enclosure for information please:-

1. The Chief Environment Specialist, Himfed Bhawan, HPPCL, Near BCS, New Shimla-9.
2. The Dy. General Manager (HRT), Sawra Kuddu HEP, HPPCL, Hatkoti.
3. The Sr. Manager(IT), HPPCL, Himfed Bhawan, HPPCL, Near BCS, New Shimla-9 for uploading of report on HPPCL website w.r.t. Chief Environment Specialist office letter No. HPPCL/ESMU-2/IKHEP/Vol-V/2016-1327-32 Dated 22-03-2016. **DA: CD containing Soft Copy of Report.**



SAWRA-KUDDU
HYDRO ELECTRIC PROJECT
(111 MW)

**Compliance Status Report of
Environment Safeguards**

Six monthly Environment Compliance

Reporting Period: w.e.f. 01-04-2017 to 30-09-2017

Submission: -December, 2017.

List of abbreviations and colloquial terms used

ADB	Asian Development Bank
AY	Academic Year
Bigha	Unit for measuring land (One Bigha = about 752sqmtr)
Biswa	Unit for measuring land (One Biswa = about 40 sqmtr)
CA	Compensatory Afforestation
CAMPA	Compensatory Afforestation Management and Planning Agency
CAT	Catchment Area Treatment
CBO	Community Based Organization
CES	Chief Environment Specialist
CMO	Chief Medical Officer
CSR	Corporate Social Responsibility
DC	Deputy Commissioner
DFO	Divisional Forest Officer
DGM	Deputy General Manager
distt.	District
DPR	Detailed Project Report
ECR	Environment Compliance Report
EIA	Environment Impact Assessment
EMP	Environment Management Plan
FRL	Full Reservoir Level
GoHP	Government of Himachal Pradesh
GoI	Government of India
HCC	Hindustan Construction Company (Ltd)
HDPE	High-Density Poly-Ethylene
HEP	Hydro-Electric Project
HFL	Highest Flood Level
HoP	Head of Project
HP	Himachal Pradesh
HPCEDIP	Himachal Pradesh Clean Energy Development Investment Programme
HPFD	Himachal Pradesh Forest Department
HPPCL	Himachal Pradesh Power Corporation Limited
HPPWD	Himachal Pradesh Public Works Department
HPSEB	Himachal Pradesh State Electricity Board
HPSFDC	Himachal Pradesh State Forest Development Corporation
ITI	Industrial Training Institute
LADA	Local Area Development Agency
LADC	Local Area Development Committee
LADF	Local Area Development Fund
LWSS	Lift Water Supply Scheme
M	Meter
MM	Mahila Mandal(Women's Group)
MoEF	Ministry of Environment & Forests
Msl	Mean Sea Level
MW	Megawatt
NPV	Net Present Value
NRRP	National Rehabilitation and Resettlement Plan
PAA	Project Affected Area
PAF	Project Affected Family
Panchayat	Lower most tier (at cluster of village level) of governance in India
Parivar	Family
PAZ	Project Affected Zone
PCC	Project Construction Circle
PIO	Public Information Office

PHC	Primary Health Centre
R&R	Resettlement and Rehabilitation
RoR	Run-of-the-River
Rs.	Indian Rupees/INR
SC	Scheduled Caste
SDM	Sub Divisional Magistrate
SE	Superintending Engineer
SPCB	State Pollution Control Board
Sqkms	Square Kilometer
SqMtr	Square Meter
ST	Scheduled Tribe
XEN	Executive Engineer

Note:- Issues already settled have been shown underlined and retained in the report for the reference of reader. Also the points on which there has not been any status change have been shown as underlined.

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A. Environment Safeguards implementation report in respect of Sawra-Kuddu HEP (111MW) for the period w.e.f. 01-04-2017 to 30-09-2017.

S. No.	Environment Safeguards Conditions	Action Taken/Reply
1.	Component wise Construction Status of the project and Commissioning Schedule.	Attached as annexure-1 (a, b &c).
2.	Physical and financial progress of CAT Works during the reporting period.	<p>Till Now a sum of 6.62 Crore has been deposited with the forest department. Balance funds shall be deposited as and when demanded by forest department.</p> <p>As per information supplied by DFO plantation of 42932 no trees have been shown covering the area of 39.03 ha under CAT plan works.</p> <p>Upto date financial progress is Rs. 4,23,58,886/- only.</p> <p>The Physical/Financial progress for the quarter ending June'17 & Sept'17 has been received showing financial progress of Rs.0.00 Lacs & Rs2.70 Lacs respectively (Attached as Annexure-2).</p>
3.	Physical and financial progress on implementation of resettlement and rehabilitation Measures.	Attached as annexure-3.
4.	Upto date information on the project in 13 point data sheet (A copy may be downloaded from the website http://nrodmoef.gov.in).	Attached as annexure-4.
5.	Latest monitoring reports in respect of ambient air quality, noise level, ground water quality, biological/ chemical oxygen demand (BOD/COD) and coliform count of surface water, etc., carried out by HPSPCB.	Attached as annexure-5.
6.	Comprehensive physical and financial progress about disbursement of medical facilities to the workers.	<p>Package wise detail of physical and financial progress about disbursement of medical facilities to the workers is attached as annexure-6.</p> <p>Pharmacist with medical aid has been deployed in labour camps by HPPCL and the contracting agencies for regular check-up of the workmen as well as project staff. First aid kits are also provided at all the work sites. Ambulances have been provided at</p>

		<p>every work site for emergency evacuation of the workers, if any. Local Govt. Health centre has been strengthened to provide medical facility to project construction workers.</p> <p>The doctors and local representatives suggested that the laboratory shall be opened at the Primary Health Centre (PHC) at Sawra. These equipments were procured from PMFMC account amounting to Rs.3.0 lacs during the previous reporting period. The procurement of these lab equipments has been done and put to use for general public at primary health centre Sawra.</p>
7.	Upto date detail about the quantum of crate work/ wire crate works/ breast wall etc. at different dumping sites.	<p>In total 1025.50 running meters of retaining walls have been constructed (4927 Cubic meter) to prevent landslides till date (i.e. 30-09-2017).</p> <p>This is a continuous process and wherever need is felt retaining structures are erected to keep the slopes stable. During this reporting period 26 running meters retaining walls has been provided at additional adit road.</p>
8.	Information on the dumping sites which have been fully utilized and now stopped for further dumping. In such cases the rehabilitation work should be completed and the sites should be returned to the Forest Department. Action taken so far in this regard may be intimated.	<p>The excavated muck from excavations is being dumped in designated dumping sites duly compacted and protected by providing stone wire crate walls/retaining walls to prevent its slippage into natural drainage system. Muck has been allowed to be lifted for utilization by other Govt./ Non-Government agencies and there are chances that in near future whole of the muck would get recycled and sites restored to their original shape.</p>
9.	Upto date figures for allocation of funds for different Environment Management Plan along with utilization of funds.	Upto date expenditure detail has been attached as annexure-7 .
10.	Upto date physical and financial progress on afforestation including location area covered by plantation and number of plants planted till date.	<p>Compensatory afforestation over an area of (108.00 + 1.3884+ 0.6944) i.e. 110.08 ha. Compensatory afforestation over 108.0 Ha. area of land was done till year 2007-08. Additional area of 2.088 ha was brought under CA during this quarter ending 31-03-2014. Till date utilization of Rs.22,46,400/- has been shown by HP forest department. Upto date Rs. 72.87 lacs have been deposited with HP forest department on this account.</p>
11.	Physical and financial progress on fisheries development.	1 st instalment of Rs. 31.0 lacs have been released to HP fisheries Department for providing alternate water supply to


		<p>Dhamwari Trout Farm. Rs. 7.344 Lacs has been utilized upto the year 2009-10 as per the utilization certificate given by Fishery Department.</p> <p>As per the information provided by the department the funds are further allocated to other agency for executing the work. Progress is awaited.</p> <p>As and when more funds would be demanded by Fishery Department, same would be provided.</p>
12.	The information on number of labours engaged by different contractors, quantity of free fuel supplied and expenditure incurred in the following Performa for the period w.e.f. 01-04-2017 to 30-09-2017.	The information is annexed as annexure-8 .
13.	The information on number of labourers medically got checked by different contractors, expenditure incurred on medicines and other medical facilities in the following Performa for the period w.e.f. 01-04-2017 to 30-09-2017.	The information is annexed as annexure-6 .
14.	Detail of social welfare measures and other schemes being run for the locals and project affected people.	The information is annexed as annexure-3 .
15.	Newspaper cutting of the advertisement about environment clearance given in the newspapers.	Insertion in the Newspapers was made as desired. (Annexure-9)
16.	Measures being taken to release at least 15% of water downstream during lean season period.	The discharge shall be monitored/ maintained during the operation phase of the project. The provision of fish ladder has been included in the design of the diversion barrage structures. In addition, an environment flow pipe of dia 600 mm has also been embedded in the structure. Discharge shall be regulated as per norms during operation phase.

B. Environment clearance

Environmental Clearance for Sawra-Kuddu (111 MW) HEP was accorded vide Additional Director GoIMoEF letter No. J-12011/13/2006-IA.I dated 17th May, 2007 (**Annexure 10**).

Compliance status of conditions of Environment Clearance is given in the following: -

S. No	Stipulations	Compliance Status																																																																																																																																										
1	Part A-Specific Conditions																																																																																																																																											
i)	<div>Catchment Area Treatment Plan as has been proposed should be completed in three years.</div> <table><tr><td>Treatment Measure</td><td>Y-I</td><td>Y-II</td><td>Y-III</td><td>Y-IV</td><td>Y-V</td><td>Total</td></tr><tr><td colspan="7">(i) Biological Treatment</td></tr><tr><td>Social forestry</td><td>60 Ha</td><td>60 Ha</td><td>60 Ha</td><td>60 Ha</td><td>60 Ha</td><td>300 Ha</td></tr><tr><td>Fuel wood and fodder grass</td><td>91 Ha</td><td>91 Ha</td><td>91 Ha</td><td>91 Ha</td><td>91 Ha</td><td>455 Ha</td></tr><tr><td>NTFP</td><td>50 Ha</td><td>50 Ha</td><td>50 Ha</td><td>50 Ha</td><td>50 Ha</td><td>250 Ha</td></tr><tr><td>Nursery Developem ent</td><td>2 No.</td><td>--</td><td>--</td><td>--</td><td>--</td><td>2 No.</td></tr><tr><td>Pasture Developm ent</td><td>60 Ha</td><td>60 Ha</td><td>60 Ha</td><td>60 Ha</td><td>60 Ha</td><td>300 Ha</td></tr><tr><td colspan="7">(ii)Engineering Treatment</td></tr><tr><td>Wire crates</td><td>40</td><td>40</td><td>40</td><td>40</td><td>40</td><td>200</td></tr><tr><td>Vegetative Spurs</td><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td><td>400</td></tr><tr><td>Contour Trenching</td><td>20 Ha</td><td>20 Ha</td><td>20 Ha</td><td>20 Ha</td><td>20 Ha</td><td>100 Ha</td></tr><tr><td>Bench Terracing</td><td>25 Ha</td><td>25 Ha</td><td>25 Ha</td><td>25 Ha</td><td>25 Ha</td><td>125 Ha</td></tr><tr><td>Catch water drains</td><td>100 Ha</td><td>100 Ha</td><td>100 Ha</td><td>100 Ha</td><td>100 Ha</td><td>500 Ha</td></tr><tr><td>R-wall & Check dams</td><td>97 Ha</td><td>97 Ha</td><td>97 Ha</td><td>97 Ha</td><td>97 Ha</td><td>485 Ha</td></tr></table>	Treatment Measure	Y-I	Y-II	Y-III	Y-IV	Y-V	Total	(i) Biological Treatment							Social forestry	60 Ha	60 Ha	60 Ha	60 Ha	60 Ha	300 Ha	Fuel wood and fodder grass	91 Ha	91 Ha	91 Ha	91 Ha	91 Ha	455 Ha	NTFP	50 Ha	50 Ha	50 Ha	50 Ha	50 Ha	250 Ha	Nursery Developem ent	2 No.	--	--	--	--	2 No.	Pasture Developm ent	60 Ha	60 Ha	60 Ha	60 Ha	60 Ha	300 Ha	(ii)Engineering Treatment							Wire crates	40	40	40	40	40	200	Vegetative Spurs	80	80	80	80	80	400	Contour Trenching	20 Ha	20 Ha	20 Ha	20 Ha	20 Ha	100 Ha	Bench Terracing	25 Ha	25 Ha	25 Ha	25 Ha	25 Ha	125 Ha	Catch water drains	100 Ha	100 Ha	100 Ha	100 Ha	100 Ha	500 Ha	R-wall & Check dams	97 Ha	97 Ha	97 Ha	97 Ha	97 Ha	485 Ha	<div>Till Now a sum of 66.2 million has been deposited with the forest department. Balance funds shall be deposited as and when demanded by forest department.</div> <div>The physical/financial progress for the quarter ending June'17 & Sept.'17 has been received showing financial progress of Rs.0.00 & Rs2.70 Lacs respectively. Upto date financial progress is Rs. 4,23,58,886/- only.</div> <div>The summarized detail of the physical / financial progress from the above progress received from HPFD, is as below:-</div> <table><tr><th>Sr. No.</th><th>Component</th><th>Phy. Progress during reporting Qtr.</th><th>Units</th><th>Fin. Progress (Rs.)</th></tr><tr><td colspan="5">Maintenance of afforestation</td></tr><tr><td>1</td><td>3rd year maint. of afforestation</td><td>5</td><td>ha</td><td>8500</td></tr><tr><td>2</td><td>4th year maint. of afforestation</td><td>25</td><td>ha</td><td>42500</td></tr><tr><td>3</td><td>5th year maint. of afforestation</td><td>8</td><td>ha</td><td>13600</td></tr><tr><td>4</td><td>4th year maint. of Timber plantation</td><td>80</td><td>ha</td><td>136000</td></tr><tr><td>5</td><td>5th year maint. of Timber plantation</td><td>41</td><td>Ha</td><td>69700</td></tr><tr><td colspan="4">Total expenditure during the reporting period upto 30.09.2017</td><td>2,70,300/-</td></tr></table>	Sr. No.	Component	Phy. Progress during reporting Qtr.	Units	Fin. Progress (Rs.)	Maintenance of afforestation					1	3 rd year maint. of afforestation	5	ha	8500	2	4 th year maint. of afforestation	25	ha	42500	3	5 th year maint. of afforestation	8	ha	13600	4	4 th year maint. of Timber plantation	80	ha	136000	5	5 th year maint. of Timber plantation	41	Ha	69700	Total expenditure during the reporting period upto 30.09.2017				2,70,300/-
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ii)	The land holding of project affected persons whose land is being acquired to be submitted to this Ministry. If any person/ family whose acquired land is more than 70% of the total land holding is identified, such family /person shall be treated as fully affected person for compensation package applicable in such cases will be undertaken by PVPCL (now HPPCL).	<div>753 No Main MPAF have been identified.</div> <div>As per the standard R&R policy people with left out land of less than 5 bigha (0.38 Hec.) are treated as land less. 31 nos. of people coming under this definition had submitted the affidavits which were got verified from the revenue department and grants disbursed to persons found eligible. Subsequently advertisements were issued in newspapers and also letters written to local panchayats to intimate people regarding the policy provisions. The payments to the tune of 45.23 lacs to 189 Nos. MPAF has been released so far. Some new applications have been</div>																																																																																																																																										

		received which are being processed for verification from revenue department.
iii)	A Monitoring Committee for RR should be constituted which must include representative of project affected person from SC/ST category and a women beneficiary	R&R Plan has been finalised. In the present setup the committee administering the LADF is authorized by GoHP to monitor the progress. It is also competent to look into grievance of the PAFs.
iv)	The Commitment made during the public hearing should be fulfilled	Being fulfilled. Status given separately in this report under the title 'fulfilment of commitments of public hearing' under this Report.
v)	The Biodiversity conservation and management plan as proposed in the EMP shall be followed in Toto.	Mentioned in Environment Clearance but not proposed in EMP. Description of study of flora and fauna is available in EMP. There is no significant wildlife in the area. For aquatic fauna provision of fish ladder has been made in the Barrage. As per policy of the State Govt. 15% discharge of lean season will be ensured in the river at any given time. Since majority of structures are underground hence flora is not getting affected. Hence Biodiversity Plan is not prepared. In any case inspection for poaching of wildlife species is being carried out.
vi)	All the equipments which are likely to generate high noise levels are to be fully mollified (Noise reduction measures).	Being implemented by ensuring proper maintenance of machinery/by creating barriers/enclosures around the stationary machinery/equipment. All moving machineries and equipment are provided with silencers to avoid high noise levels. DG sets with noise suppressing jacketing installed. Timing of crushing plants curtailed as per the requests of local inhabitants.
	 <p style="text-align: center;">DG sets with noise suppressing jacketing & installed in Sheds</p>	
vii)	Consolidation and compilation of the muck should be carried out in the muck dump sites and the dump sites should be above high flood level.	The Muck Management Plan as part of the EMP is being implemented and all the muck sites are more than 6 m high above the HFL. The dumped muck is being levelled & compacted simultaneously engineering structures provided for retaining the same. Once the construction activities are completed, the muck dumping areas will be treated with plantation.

		Muck is also being utilized by other Government/Non-Government agencies and there are chances that in near future whole of the muck would get re-cycled and sites restored to their original shape.
2	Part-B- General Condition	
i)	Adequate free fuel arrangement should be made for the Labour force engaged in the construction work at project cost so that indiscriminate felling of trees is prevented.	LPG is being provided in labour camps by the contractors and subcontractors of HPPCL to prevent tree felling for the purpose of fuel-wood. Wood is not being used as fuel for cooking food. Community/common kitchens are being run by contractors where food is cooked for staff and workers. So far, (up-to 30-09-2017) 151667Kgs. of LPG, 140109 liters of diesel has been provided to community kitchen / mess at all locations by the contractor. No incident of tree felling for the purpose of fuel wood has been observed.
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 labourers.	<p>As stated above LPG is being provided in labour camps by the contractors. Pharmacist with medical aids has been put in place in labour camps by all four contracting agencies; First aid kits are provided at all the work sites.</p> <ul style="list-style-type: none"> During this reporting period 153 Nos. of workers have been checked and medicines have been disbursed by the contracting agencies to the workers. Two Nos. of ambulances have also been deployed at site. Total expenditure on this account during this reporting period comes out to be Rs.7,26,530/- only. HPPCL dispensary at Power house site has been made functional and a pharmacist deployed to check labourer and local public. <div data-bbox="858 1308 1441 1910" data-label="Image"> </div> <p>HPPCL Dispensary at Power House site, Snail</p> <ul style="list-style-type: none"> Ambulances have been provided at every work site for emergency evacuation of workers if any. Local government health centre has been

		<p>strengthened to provide medical facility to project construction workers.</p> <ul style="list-style-type: none"> Satellite TV dishes have been provided.   <p>Ambulance and dispensary Facilities at work site</p>
iii)	<p>All the labourers to be engaged for the construction works should be thoroughly examined by Health personnel and adequately treated before issuing them work permit.</p>	<p>All the Main contractors are directed to follow up instructions regarding Health personnel and adequately treated before issuing them work permit. Periodic medical checks are being done. No occupational diseases have been noticed.</p> <p>The workers working at crushers and batching plants (who are more exposed to dust and cement) are being observed periodically for any occupational diseases.</p> <p>During this reporting period 153 Nos. of workers have been checked and medicines have been disbursed by the contracting agencies to the workers. Two Nos. of ambulances have also been deployed at site. Total expenditure on this account during this reporting period comes out to be Rs.7,26,530/- only.</p>
iv)	<p>Restoration of construction area including dumping site of excavated materials should be ensured by levelling, filling up of burrow pits, landscaping etc. The area should be properly treated with suitable plantation.</p>	<p>Muck in the dumping sites is being levelled & compacted simultaneously with its disposal. Afforestation over the dump sites would be done once the muck dumping is completed.</p> <p>Muck has been allowed to be lifted for utilization by other Government/Non-Government agencies and there are chances that in near future whole of the muck</p>

		would get re-cycled and sites restored to their original shape. The muck statement is being submitted to HP pollution control Board regularly.
v)	Financial provision should be made in the total budget of the project for implementation of above suggested safeguard measures.	A provision of Rs 19.36 Crore has been kept for implementation of the EMP which includes the cost of implementation of these safeguards. The costs are in-built and additional costs are being taken in the revised cost estimate of the DPR. However, it is assured by the management that adequate funds for implementation of EMP shall be made available. So far (30-09-2017), Rs. 208.9 million have been spent against Rs. 193.583 million i.e. the total cost of implementation of EMP.
vi)	A multidisciplinary committee should be constituted in consultation with the Ministry with ecologists, environmental scientists, Conservationists and experienced administrators etc. to oversee the effective implementation of the suggested safeguard measures.	The committee has already been constituted to oversee the effective implementation of suggested safeguards measures. However, in addition to this the Project Implementation Committee constituted at project level is also looking after the various Environmental aspects.
vii)	Six monthly monitoring reports should be submitted to the Ministry and its Regional Office Dehradun for review.	Report is being submitted on regular basis.
3	Official from Regional office MOEF Chandigarh who would be monitoring the implementation of environmental safeguards should be given full co-operation, facilities and documents/data by the project proponents during their inspection.	HPPCL commits to provide full cooperation and data supply, as and when demanded. Officials of state pollution control board pay regular visits to the project and their suggestions/directions are complied with. All the information sought by regional office is being provided in time bound manner.
4	The responsibility of implementation of environment safeguards rests fully with the PVPCL & Govt. HP.	Agreed and being complied with.
5	In case of change in the scope of the project, project would require a fresh appraisal.	There is no change in scope as per the EIA notification'2006 vide clause 7(ii) as there is no change in project parameters. This situation is also cleared by the MoEFCC vide there affidavit in National Green Tribunal dated 28 th October, 2015.
6	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the clearance under the provision of the Environment (protection) Act, 1986 to ensure affective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Safeguard measures as suggested are being implemented & additional safeguards measures if any suggested subsequently will also be implemented.

7	This clearance letter is valid for a period of five years from the date of issue of this letter for commencement of construction work.	In terms of date, the letter is valid up to for 16.05.2012 for commencement of works. Construction work has already begun with in stipulated date and the MoEF has been intimated in this regard.
8	A Copy of the clearance letter will be marked concerned Panchayat/local NGO's, if any, from who any suggestion/representation has been received while processing the proposal.	Copy of the clearance letter has been sent to concern Panchayats vide letter No. PVPCL/SE/SKCC-DB-SK C.A.T/2007-1301-13 dated 20-07-2007.
9	State Pollution Control Board/ Committee should display a copy of the clearance letter at the Regional Office, District Industry centre and Collectors office/Tehsildar's office for thirty days.	The clearance letter was displayed as stated in this condition.
10	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded Environmental Clearance and copies of the clearance letters are available with the state Pollution Control Board/ Committee and may also be seen at the Web site of the Ministry of Environment and Forest at http://www.envfor.nic.in	Insertion in the Newspapers was made as desired.

Some photographic record of Environment Measures.



Water Sprinkling On the Project Roads



Safety sign-board at site



Workers at Emergency Assembly area of Power House site

C. Fulfilment of commitments made in Public Hearing – I & II

S. No.	Issues raised	Commitment at the time of consultation/hearing	Compliance Status
A	First public hearing at Hatkoti on dated 15.06.2006		
1	Water sources in the project area should be inventoried by the project authorities in consultation with the IPH and concerned Gram Panchayats.	Project is committed to inventories the water sources in the project area and damage due to project shall be compensated.	Inventory of water sources and house structures along with photographs in the presence of representatives of IPH Department, concerned Pardhan and Project proponent has been completed. In total there are 30 no. of water sources. Periodic monitoring of water resources being carried out in consultation with local representatives. No instance of drying up of any source received/noticed so far.
2	Provision of beautification of Hatkoti temple should be made:	This work can be covered under the LADA funds earmarked by the project proponent.	<ul style="list-style-type: none"> • The work of Development/ Maintenance work at Hatkoti Mandir has been awarded amounting to Rs. 16.53 lacs on dated 05-03-2010. Additional funds were allocated and work has been completed at the cost of Rs 28.91 lacs. • Rs 10.00 lac deposited with HPPWD Jubbal for widening, metalling and tarring of link road to Hateshwari Temple from Sawra—Rohru road during March, 2009. The utilization certificate amounting to Rs 5.00 lac out of Rs 10.00 lacs received from Executive Engineer Jubbal. Work has been completed. • Total Rs. 24 lacs have been released for construction of water storage tank on hill for regulating the water supply to temple Complex and for surrounding area. Work has been completed.
3	LADA should comprise local people and nomination of local people should not be on political consideration.	There is a Provision for nomination of local people in The LADA Committee headed by the Deputy Commissioner.	The body has been nominated by DC Shimla in which local representative are included. Works recommended by Gram Sabha are only covered under LADF.
4	Provision should be kept for construction of crematoria.	A provision of Rs. 20 lakh have been kept in CAT Plan and also this aspect can be covered under LADA funds.	Funds have been allocated. Work of construction of crematoria at the bank of Bhishkali Khad Near HPPCL Colony is completed as intimated by the DFO, Rohru.
5	Employment should be provided to the local people.	Since, Pabbar Valley Power Corporation is a subsidiary of HPSEB, employment by it for the project shall be largely from	Of the total people employed during the reporting period about 64% Himachalis have been deployed.

		the HPSEB. However, the major private contractors shall be bound by the provisions of minimum 70% employment as prescribed by the State Government.	<table><tr><th>Month</th><th>Himachali</th><th>Non-Himachali</th></tr><tr><td>April-17</td><td>365</td><td>210</td></tr><tr><td>May-17</td><td>364</td><td>213</td></tr><tr><td>June-17</td><td>363</td><td>196</td></tr><tr><td>July-17</td><td>363</td><td>196</td></tr><tr><td>August-17</td><td>103</td><td>83</td></tr><tr><td>Sept.-17</td><td>200</td><td>90</td></tr><tr><td>Total</td><td>1758</td><td>988</td></tr></table> <ul style="list-style-type: none">• Contracts:- 264 Nos. of petty contracts have been awarded to MPAF, PAF&PAA so far amounting to Rs. 894.64 Lacs.• 41 Nos. Persons from MPAF/PAF/PAA have given employment on outsourcing basis by HPPCL so far.	Month	Himachali	Non-Himachali	April-17	365	210	May-17	364	213	June-17	363	196	July-17	363	196	August-17	103	83	Sept.-17	200	90	Total	1758	988
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6	Copies of EIA should also be provided to the local Panchayats in project area.	It was appraised that the copies of these documents would remain in the office of SDM, Rohru for public perusal even after the Public hearing.	The same have been distributed in all the affected Panchayats.																								
7	Plantation along the roads should be done.	Plantation along the project roads will be provided by the Project proponent. As far as the other roads are concerned, this may be considered under LADA funds.	Of the total road length of 11.50 km, plantation along 6.25 km has been carried out So far.																								
8	The construction debris and muck produced should be properly managed in the designated dumping sites.	The EIA/EMP has been prepared and total generation of the debris has been duly estimated including the quantities to be reused for construction purpose. The debris shall be properly checked by constructing adequate retaining structures ensuring that the water quality/flow or land is not affected due to disposal of debris.	The generated muck from the project sites is being dumped in the designated dumping sites, well protected by providing wire crates & retaining structures. For the purpose five numbers dumping sites have been identified and the muck is being dumped at these sites besides at Sawra College ground. Muck has been allowed to be lifted for utilization by other Government/Non-Government agencies and there are chances that in near future whole of the muck would get re-cycled and sites restored to their original shape.																								
9	Social intrusion is apprehended due to migratory labour.	Provision of separate labour camps would be provided during construction phase.	Separate labour camps have been constructed near the work sites for migratory labour. Minimum distance of any camp is one Km from nearest habitation.																								

10	Migratory labour should be provided proper health and educational facilities for their children;	Local infrastructure in terms of health & education may be used and provision of its strengthening shall be made through LADA funds.	<ul style="list-style-type: none"> • PHC Sawra strengthened with the installation of X-Ray Machine purchased by CMO, Shimla for the amounting Rs 5.00 lac released by HPPCL. • The meeting of PMFMC was held on 04-06-2014. The doctors and local representatives suggested that the laboratory shall be opened at the Primary Health Centre (PHC) at Sawra. The procurement and installation of these equipments involves 3.0 lacs from PMFMC account. The committee approved the demand and procurement of equipments has been done and put to use for general public at primary health centre Sawra. • Medical camps are also being organized in the area with the R&R training-cum-awareness camps. • Infrastructure of CBSE affiliated School (DAV school) at Sawra strengthened by giving one-time financial assistance of Rs 10.00 lac to facilitate assured admission and concessional education to ward of Project affected families, PAA & HPPCL staff. • 5 rooms have also been provided in HPPCL colony at Chauri (Snail) to run the Primary section of CBSE pattern (branch of DAV Public School). 2200 Sqm Land has been identified for school Building at Snail.
11	Resettlement & Rehabilitation Plan is not indicated in the report.	No family is getting displaced. However, people affected to some extent shall be compensated as may be determined by the competent authority.	Standard R&R plan has been prepared on dated 19th January'2009 and being implemented. Project specific Resettlement Plan (RP) has already been finalized and the payment of due diligence is under process.
12	Noise pollution from project activities should be controlled.	Regular monitoring shall be done during the construction & operation phase of project. More over most operation would underground hence noise at ground level would be minimum.	Being implemented by ensuring proper maintenance of machinery/by creating barriers/enclosures around the stationary machinery/equipment. All moving machineries and equipment are provided with silencers to avoid high noise levels. DG sets with noise suppressing jacketing installed. Timing of crushing plants curtailed as per the requests of local inhabitants. Two crushers and one batching plant have been dismantled due to which the noise as well as air pollution got reduced. The remaining crushers are far away from the populated area.

13	Project activities shall not hamper the smooth flow of traffic on the existing roads;	Major components of the project would on the left bank of river Pabbar where traffic flow is much less than that on the right bank. However, traffic due to Project shall be regulated such that it does not cause public inconvenience.	No such inconvenience noticed, so far. However, if it takes place, regulations of project vehicles and traffic shall be done.
14	Suggestions from other departments of government should also be taken.	Other departments are also invited for the public hearing besides the issues to be discussed at State Level EIA & M Committee.	Report sent to other departments, no comments received till date.
15	Proponent should organize visit of the people from the project areas to another project which has been operational for some time.	Proponent readily agreed to the suggestion.	The project authorities organized visit of local people to Sanjay Jal Vidyut Pariyojana (Sanjay HEP) and Nathpa-Jhakri HPS to have interactions with local people of those affected Projects.
16	Construction circle should be immediately shifted to Hatkoti.	This would be done whenever infrastructure developed/available.	One construction circle has been shifted during April'2009 to Hatkoti & other to Snail (Power House Complex) during May'2009. Now all the offices of project are at Hatkoti and Snail.
17	Natural calamity and land subsidence may occur due to tunnelling;	Project proponent clarified that most work would be underground and hence there would be minimum disturbance at surface. It was apprised that the underground tunnel cavity in fact would attenuate the lateral as well as vertical operations the vent of earth quads thus reducing the damages to the buildings due to the Project would be compensated by the Project proponent. Baseline inventories of houses/other buildings would be prepared to determine the potential damages. In addition, the existing areas prone to land subsidence would need to be strengthened/protected for the safety of project components.	Some complaints have been received from local residents regarding development of cracks in their houses. Committee appointed for assessing the damages by Deputy Commissioner has submitted the report to Sub-Divisional Magistrate, Rohru. Compensation as intimated by administration shall be paid.
18	Horticulture may be affected due to project.	There is no established evidence that project would affect the horticultural produce except for those areas which are acquired for the project for which compensation as determined by the competent authority would be provided.	Complaints of reduction in horticulture production have been received. Requests have been sent to horticulture and agriculture department for formation of committee to look into complaints. D.C. Shimla has been requested to constitute a committee to determine the loss of production of loss of horticulture and

			agriculture. The issue was discussed in the meeting with DC, where it was found that in the last 3 years, production of apple in the area has increased and any such adverse effect seems not to have occurred. Hence matter was decided to be disposed/closed.
19	Barrage proposed for the project should also envisage bridge on its top at least for small vehicles.	This is not envisaged in the project design in view of the consideration related to the Project security;	No commitment made; hence, fulfilment not required.

**First public hearing at Snail on dated 15.06.2006;
ISSUES RAISED AT KUDDU NEAR SNAIL VILLAGE:**

1	Compensation to the project affected people should be adequate & Prompt besides alternative occupation for the land losers.	Compensation to the project affected people shall be determined by the competent authority and project proponent is committed to release it promptly to the Affected people.	<p>Compensation as decided by the competent authorities being disbursed. As per compensation paid so far, following rates have been applied: -</p> <table><tr><th>S.No.</th><th>Class of land</th><th>Rate (Rs/bigha)</th></tr><tr><td>1</td><td>Agriculture (Irrigated)</td><td>6,17,392.00</td></tr><tr><td>2</td><td>Agriculture (Unirrigated)</td><td>3,82,768.00</td></tr><tr><td>3</td><td>Barren</td><td>1,21,072.00</td></tr></table> <p>Till the period ending (31.12.2014) approx. 300numbers of people have filed reference appeal/petition for enhancement of the rates. Court rulings shall be binding on the HPPCL.</p> <p>1) Total no. of land looser:-753 No. 2) Total land compensation amounting to Rs 4578.34 Lacs for the land of 44-87-07 ha paid (up to 30-09-2017).</p>	S.No.	Class of land	Rate (Rs/bigha)	1	Agriculture (Irrigated)	6,17,392.00	2	Agriculture (Unirrigated)	3,82,768.00	3	Barren	1,21,072.00
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3	Barren	1,21,072.00													
2	Project road should be extended to the Chauri village.	This could be covered under the LADA funds as per priorities to be fixed by the committee to be constituted.	Road shall be extended to Chauri Village.												

SECOND PUBLIC CONSULTATION held on 12.03.2008 at Hatkoti, Distt. Shimla (H.P)

1	Progress of LADC (Local Area Development Committee)	All the Pradhans of project affected Panchayats have been nominated as member of LADC as per the demand of Panchayat Pradhan in the first meeting. First instalment of Rs. 1.92 Crore has been deposited with chairman. LADC Shimla. Further distribution of this amount to the project affected Panchayats will be done by DC Shimla-cum-Chairman LADC. Project will request the DC Shimla to hold the	<p>Full & final payment has already been released against total contribution 8,37,79,500/- on account of LADF. Utilization certificate of LADF have been sought from D.C. Shimla which is still awaited.</p> <p>Distribution of fund for development of Panchayats under LADF made by DC Shimla (Rs. 254.12 lacs) including second instalment is as under :-</p>
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		meeting at the earliest. Explanatory Note (added in the proceeding): LADC fund is raised as per HP Hydro Power Project 2006, from the HPPs @ 1.5% of the project cost which is placed at the disposal of the Local Area Development Committee (LADC) headed by the Deputy Commissioner of the district (Administrator of the District) having representatives (Panchayat Pradhan Head of the local unit of governance) of the Project Affected Panchayats).	<table><tr><th>S. No.</th><th>Name of Panchayat</th><th>Distribution of funds (lac)</th></tr><tr><td>1</td><td>Sari</td><td>42.49</td></tr><tr><td>2</td><td>Saraswatinagar</td><td>35.05</td></tr><tr><td>3</td><td>Mandal</td><td>34.97</td></tr><tr><td>4</td><td>Ranvi</td><td>37.90</td></tr><tr><td>5</td><td>Kuddu</td><td>20.77</td></tr><tr><td>6</td><td>Thana</td><td>41.16</td></tr><tr><td>7</td><td>Jhalta</td><td>41.28</td></tr><tr><td>8</td><td>Seema</td><td>0.50</td></tr><tr><td></td><td>Total</td><td>254.12</td></tr></table> <p>The detail of distribution of rest funds is still awaited.</p>	S. No.	Name of Panchayat	Distribution of funds (lac)	1	Sari	42.49	2	Saraswatinagar	35.05	3	Mandal	34.97	4	Ranvi	37.90	5	Kuddu	20.77	6	Thana	41.16	7	Jhalta	41.28	8	Seema	0.50		Total	254.12
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2	Rehabilitation of affected people and RR Plan	R & R (Rehabilitation & Resettlement) Plan was prepared as per the policy of government in force at the time and provisions as per guidelines of the ADB are incorporated, which will be re-submitted to the State Government for approval at the earliest.	R&R Plan approved by GoHP. Details of benefits released are as under. 1) Grants: - a) The Self-employment has been given to 17 MPAF / PAF and an amount of 7.40 Lacs has been released on this account. b) Scholarships amounting to Rs 19,96,800/- released to the wards of main PAF. c) I.T.I:- 88 No. Students from the wards of MPAF/PAF/PAA sponsored in different I.T.I.s of H.P. Till date an Amount of Rs. 31,07,640/- has been released on account of fees and scholarships. 2) Employment given so far:- a) MPAF, PAF&PAA:-267No. c) Bonafide H.P:- 705 No. d) Outsourced (MPAF): - 41No. 3) Amount released so far Rs.7,90,000/- to 9 Nos. Community based organizations. 4) Regarding self-employment & safeguards measures are being taken by HPPCL.																														
3	Downstream flow of water from barrage should be 15% where as it has been mentioned as 10% in EIA/EMP report. Why?	The claim was refuted as false and misleading as the downstream discharge from the barrage to be maintained by the project is 15% as per HP Hydro Power Policy and also finds mention in the EIA EMP (paragraph 4.2.1.A and Table-4.2) document.	Now the structure has reached the stage where arrangement for releasing the flow is to be installed and the same is being installed. The provision of fish ladder has been included in the design of the diversion barrage structures. The discharge shall be monitored/ maintained during the operation phase of the project & arrangement for passing of such minimum discharge has been put in place.																														

			Fish pass has been constructed. In addition to this an environment flow pipe of dia. 600 has also been embedded in the structure. Discharge shall be regulated as per norms during operation stage.
4	Downstream fisherman from Hatkoti to Snail, only one license fisherman has been mentioned in EIA report. Whereas, as per his knowledge there are more 50 fisherman license holder exists in the affected area. Why?	License holder Fisherman prior to notification under Section IV of Land Acquisition Act, will be allowed fishing in the submergence area. Strengthening of the hatchery at Dhamwari (up stream of this project) is already provided for in the EIA EMP document. Deputy Commissioner Shimla has been requested to hold inquiry regarding the alleged licenses issued after the EIA EMP was prepared or after the section 4 notification. Explanatory Note (added in the proceeding): The section 4 of Land Acquisition Act pertains to the notice of intent of the government to acquire land and this presents the notice of project construction.	As Explained and Matter being monitored regularly. Fishing rights shall be transferred in the impoundment to be created due to the project. The inquiry is in progress. As soon as, any progress is noticed, the same will be incorporated in the next safeguards report due. First instalment of Rs. 3.10 million has been released to HP Fisheries Department vide Sub-Divisional officer (C), Rohru letter No. RHU/RDR/2009-1835 dated 03-09-2009 for development of fisheries. The funds have been allocated to the execution agency by the Director-cum-Warden of Fisheries. The physical and financial progress is awaited.
5	No blasting in the middle of night.	It is assured that blast will not be taken in the midnight particularly after 22:00 hours and before 06:00 hours at least till an appropriate depth is achieved where the impact on the surface is negligible.	As explained the compliance being done. Blasting is being done in delayed & staggered manner. The delay detonator divides total charge to be fired in a round into a number of segmental charges. Very safe and effective blast pattern has been designed which will take care of blasting related problems.
6	Gram Panchayat Mandal, Ranwi, Thana are most effect Panchayats there are slide prone area as per HP Geological report. Why this fact has not been mentioned in the EIA report. What effective measures are being taken to tide over this situation?	Since the project activity is to remain confined to underground and the blasting done with delayed and staggered method, it is not likely to initiate a surface landslide. Moreover, all the necessary safety measures will be taken during the construction of the project, keeping in view geology of area.	As explained all necessary safety measures are being followed as per the requirement & geological condition. Retaining structures have been constructed at vulnerable points such as road cut surfaces and so far till now no instance of land slide has occurred.
7	Dumping should be done in waste land not in irrigated land, why it is so.	Dumping sites for the excavated muck has already been identified, which largely is located on barren land but smaller land holdings situate in between or adjacent to muck dumping sites have been included for safety. Some agricultural patches were	Dumping of muck is being done in the already identified and approved sites.

		inevitable.																									
8	Irrigation of left out land in Bharot Chak, Management should reply whether the irrigation is provided to left out land what is alternative.	Damaged kuhl (irrigation channel) has been restored by the Project. In future also irrigation facilities to the remaining land shall be made available, if damaged due to project construction.	HPPCL will continue to fulfil the commitment it has given in this regard. Since last restoration no further damage has been noticed.																								
9	According to policy of Govt. of HP 70% employment should be given to local people. Give detail how much people employed from 7 No. Panchayat of trans Pabbar area.	The policy provision is being complied with and moreover work on all components has not started yet. The components currently being executed required skilled workers which are not available locally. Besides, local people do not want to work on underground components for various reasons including risk to life. A list of local people employed in project would be made available at the project office and also to the SDM Rohru.	<p>Of the total people employed during the reporting period about 64% Himachalis have been deployed.</p> <table><tr><th>Month</th><th>Himachali</th><th>Non-Himachali</th></tr><tr><td>April-17</td><td>365</td><td>210</td></tr><tr><td>May-17</td><td>364</td><td>213</td></tr><tr><td>June-17</td><td>363</td><td>196</td></tr><tr><td>July-17</td><td>363</td><td>196</td></tr><tr><td>Aug.-17</td><td>103</td><td>83</td></tr><tr><td>Sept.-17</td><td>200</td><td>90</td></tr><tr><td>Total</td><td>1758</td><td>988</td></tr></table> <p>So far (till 30-09-2017), a total of 264 numbers of petty contracts have been awarded to PAA/PAZ/PAFs with a total contract value of Rs 894.64 Lacs. In the project 09 No. of vehicles have been hired by HPPCL from local people and additionally 37 No. of vehicles have been hired by contracting firms from local people.</p>	Month	Himachali	Non-Himachali	April-17	365	210	May-17	364	213	June-17	363	196	July-17	363	196	Aug.-17	103	83	Sept.-17	200	90	Total	1758	988
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10	Since start of this project. How many times the grievances of Public have been listened.	There was public hearing on dated 15.06.2006. The R & R plan office has been opened to hear the problem of public and to bridge the gap between Public and Project Management. The name, contact details etc. are being notified by the Project Management.	The R&R office/PIO has been opened at Hatkoti to better communication with the PAF/ PAA public and redressed of grievances by concerned officers of HPPCL.																								
11	Under LADC Sawra Kuddu Panchayat is being offered Rs. 40 lacs on which ground, where tunnel is passing only Rs. 8-9 lacs are being offered to those Panchayats?	All the Panchayat Pradhans have been nominated as Member of LADC and funds are and will be allocated by the LADC in consultation with the nominated member of Project Affected Panchayats.	A distribution formula has been notified by the HPPCL to address these kinds of disputes. Recently the GoHP notified the distribution method with ratio for PAA and PAZ and within PAA as also for various works vide Department of MPP & Power No. MPP-F(10)-24/2011 dated 05-10-2011. Thus, there shall be no such dispute in future.																								

12	The fund issued against CAT plan is being spent in Rohru area.	<p>First instalment of Rs. 50.00 lac of CAT (Catchment Area Treatment) Plan deposited by HPPCL is with Compensatory Afforestation Management and Planning Authority (CAMPA) of Govt. of India. The requirement of the fund has been sent by the Forest Department to release the payment for implementation of CAT Plan.</p> <p>The CAT plan as the name implies is meant for the catchment and not only the project affected area. Normally the area draining is taken for treatment under CAT Plan. However, in this case, the same has been extended down to TRT (Tail Race Tunnel) outlet to give benefit to the project affected areas as well.</p>	In view of explanation given in the hearing (at the time of second consultation) no further action on this issue is required.
13	The X-Ray machine should be given to PHC. Sawra Kuddu instead of construction of Ghat. The Mobile Health Van hired by HPPCL should be kept at the disposal of doctor of PHC (Primary Health Center).	Matter will be reviewed, before initiating any action in consultation with project affected Panchayats.	<p>A sum of Rs 5.00 lac deposited with CMO Shimla for purchase & installation of X-ray plant in PHC Sawra and X-ray plant has been installed at PHC Sawra.</p> <p>The meeting of PMFMC was held on 04-06-2014. The doctors and locals representatives suggested that the laboratory shall be opened at the Primary Health Center (PHC) at Sawra. The procurement and installation of these equipments involves 3.0 lacs from PMFMC account. The committee approved the demand and procurement of equipments has been done and put to use for general public at primary health centre Sawra.</p>
14	When the R & R plan will be started and house should be prepared for houseless families.	R & R Plan was prepared as per the policy of the government and has now been revised to align with the guidelines of the ADB, which will be re-submitted to the state government for approval.	<p>The R & R plan prepared and approved by State Govt. vide letter No. Rev (PC) A (10)-7/2008 dated Shimla-2, the 19th January, 2009 and the same is being implemented. Project specific Resettlement Plan (RP) has already been finalized and the payment of due diligence is under process.</p> <p>In all, only one (01) person became houseless. Full & final compensation of Rs. 22,62,460/- against the land and structure has already been paid.</p> <p>Houseless grant amounting to Rs. 6,68,750/- Lacs has been released on dated 03-08-2015.</p>

15	Height of barrages has been shown as 9.20 meters instead of 13.50 meters as shown in the web site. Why so contradiction?	The height of barrage has been reduced to minimize submergence (including private cultivated land) and it is now 9.2 meters above riverbed level with a total height of about 13 meters	The height of Barrage varies at different sections depending upon the river bed profile, however FRL remains unchanged.
16	The total Panchayat in EIA and EMP report are 12, why it is now 8 Panchayat.	Change in the scope of the project reduced the number of affected Panchayats as reflected in the EIA EMP.	These are as per actual.
17	No land looser is in the LADC committee	Constitution of LADC is as per the HP Hydro Power Policy 2006 and it is constituted by the Deputy Commissioner concerned. In this exercise the Project Proponent has no say. However, all Panchayat Pradhans of project affected Panchayats are the member of LADC in case of Sawra Kuddu HEP.	The committee for LADC Constituted by DC Shimla and due representation has been given to Pardhans of affected Panchayats. However, there is no provision to give representation to each land loser in the LADC.
18	What is the policy for land looser who has left only 2.5 Bigha and what programme for them, the land should be given in addition to compensation, so that horticulture can be boosted.	It is partly addressed at 8 (iv) above and people left with less than 5 Bighas of land would be declared landless provision for which is covered under R&R plan	<p>As per R & R plan, the losers of land are being given Rs. 75,000/- to 2,50,000/- as resettlement grant in addition to land compensation depending upon the quantum of land left after acquisition of land.</p> <p>As per the standard R&R policy people with left out land of less than 5 bigha (0.38 Hec.) are treated as land less. 31 nos. of people coming under this definition had submitted the affidavits which were got verified from the revenue department and grants disbursed to persons found eligible. Subsequently advertisements were issued in newspapers and also letters written to local panchayats to intimate people regarding the policy provisions. The payments to the tune of 45.23 lacs to 189 Nos. MPAF has been released so far. Some new applications have been received which are being processed for verification from revenue department.</p>

COMPONENT WISE CONSTRUCTION STATUS OF THE PROJECT

Name of component :-

Head Race Tunnel

S. No.	Name of sub component	Total Length (m)	Executed Length (m)	Status of sub component on %age basis up to 30-09-2017.	Remarks
1	Face-0	173.95			Completion schedule- Dec'2018
	Excavation		173.95	100%	
	Overt Lining		144.4	83%	
	Invert Lining		142	82%	
2	Face-1	2191.789			
	Excavation		2191.789	100%	
	Overt Lining		0	0%	
	Invert Lining		0	0%	
3	face-2	2191.789			
	Excavation		2191.789	100%	
	Overt Lining		0	0%	
	Invert Lining		0	0%	
4	Face-3	905.62			
	Excavation		905.62	100%	
	Overt Lining		870.223	96%	
	Invert Lining		869.623	96%	
5	Face-4	905.62			
	Excavation		905.62	100%	
	Overt Lining		900.677	99%	
	Invert Lining		884	98%	
6	Face-5	2182			
	Excavation		2182	100%	
	Overt Lining		2177	100%	
	Invert Lining		1703	78%	
7	Face-6	1936.178			
	Excavation		1936.178	100%	
	Overt Lining		1934	100%	
	Invert Lining		1921.18	99%	
8	Face-7	877.79			
	Excavation		877.79	100%	
	Overt Lining		872.8	99%	
	Invert Lining		860.8	98%	
A	Total Length	11365			
	Excavation		11364.74	100.00%	
	Overt Lining		6899.1	60.71%	
	Invert Lining		6380.603	56%	
B	Balance Length				
	Excavation		0	0.00%	
	Overt Lining		4466	39.29%	
	Invert Lining		4984	43.86%	

COMPONENT WISE CONSTRUCTION STATUS OF THE PROJECT

Name of component :- Diversion Barrage, Intake & Desanding chamber(DBID)

S. No.	Name of sub component	Estimated Quantity (Cum)		Executed Quantity upto 30-09-2017 (Cum)		Balance Quantity (Cum)		%age executed		Completion Schedule
		Excavation	Concrete	Excavation	Concrete	Excavation	Concrete	Excavation	Concrete	
1	Barrage	196236	123447	196236	123146	0	301	100	99.76	Likely date of completion is June-2018, except some balance misc. works.
2	Power Intake	19452	16348	19452	16954	0	-606	100	103.71	
					Qty. exceeded due to additional work.					
3	Desanding Arrangement	329887	74325	329887	73959	0	366	100	99.51	
4	Misc. Works	0	8000	0	6270.67	0	1729.33	-	78.38	
	Total	545575	222120	545575	220329.7	0	1790.33	100.00	99.19	
5	HM Works	100%		92%		8%		92%		

COMPONENT WISE CONSTRUCTION STATUS OF THE PROJECT

Name of component :-

Power House complex

S. No.	Name of sub component	Status of sub component on %age basis up to 30-09-2017	Remarks
1	Surge Shaft		Only minor finishing works of power house are balance.
	Excavation	100%	
	Lining	100%	
2	Pressure Shaft		
	Excavation	100%	
	Backfill	100%	
3	Power House Cavern		
a)	Control Block-1 & service bays		
	Excavation	100%	
	Concrete	100%	
b)	Unit bays & Control block-II		
	Excavation	100%	
	Concrete	100%	
4	Transformer Hall i/c Bus Ducts		
	Excavation	100%	
	Concrete	100%	
5	TRT		
	Excavation	100%	
	Lining	100%	
6	CAT		
	Excavation	100%	
	Concrete	100%	
7	Pot Head Yard		
	Excavation	100%	
	Concrete	100%	

No. CAT & CA/2016-17 8688
H P Forest Department.

From:

Chief Conservator of Forests,
Shimla Forest Circle, Shimla.

To:

Chief Environment Specialist,
HP Power Corporation Ltd.
Himfed Building, BCS, New Shimla-9.

Dated: Shimla-2, the 30/10/2017

Subject:

Quarterly Progress report of CAT Plans for the quarter
ending 30.06.2017- regarding.

Memo:

Kindly refer to your office memo. No. HPPCL/ESMU-2/Sawra Kuddu
HEP/ Vol-III/201719254-57 dated 23.10.2017 on the subject cited above.

DGM-

E. A.

D.B.

R. R

The quarterly progress report of Sawra Kuddu, HEP CAT Plan for the

quarter ending 30.06.2017 for the year 2017-18 under CAMPA funds may be treated as nil. The progress

report for the quarter ending 30.09.2017 in respect of Shimla Forest Circle is enclosed for favour of
information please.

Encl: As above.

Encl: As above.
Dy. No. 633
3/11/17

Chief Conservator of Forests,
Shimla Forest Circle, Shimla.

Consultant (Env)

J.O. (Env)

2/11/17

2/11/17

Copy to
enclosed to
S.M. Sawra Kuddu
for further action

Environment officer
to study & document.

No. HPPCL/ESMU-2/HEP-Env/2017-18-4311 dt 14-11-17
Copy of above a/w its enclosures is forwarded to DGM (Env)
SK-HEP, HPPCL-Headq for information &
necessary action please.

Sr. Manager (C&M),
O/o General Manager,

Quarterly progress report of Sawra Kaddu HEP CAT Plan for the quarter 30.09.2017 of Rohru Division of Shimla Forest Circle for the year 2017-18.

No.	Name of Component	Name of Circle	Name of Division	Name of Range	Name of Block	Name of hamlet	Name of Area	Particular of work	Target Alotted		Target achieved upto 30.09.2017		Target achieved during the quarter		Progressive achievement		Remarks
									Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	
1	Afforestation	Shimla	Rohru	Sr Nagar	Kudu	Kudu	UPP-Kudu	IIIrd year maintt.	5	8500	0	0	5	8500	5	8500	Expenditure incurred but not booked
				Tikkar	Tikkar	Phrog	UPP-Ghansikhar	IIIrd year maintt.	6	10200	0	0	0	0	0	0	
							Sub-Total		11	18700	0	0	5	8500	5	8500	
				Cost of Plants for IIIrd year maintt.					1210	20500	0	0	5	8500	5	8500	
				Total IIIrd year Maintt-Afforestation						39200	0	0	0	0	0	0	
				Bashla	Arhal	Arhal	32 b arhal	Ivth year maintt.	5	8500	0	0	5	8500	5	8500	
				Bashla	Khadrals	Kowali	C. No. 29 a	Ivth year maintt.	10	17000	0	0	10	17000	10	17000	Expenditure incurred but not booked
				Khashadhar	Todsa	Banoti	UPP-Dhumsa	Ivth year maintt.	5	8500	0	0	0	0	0	0	
				Khashadhar	Todsa	Todsa	UPP-Ambol	Ivth year maintt.	5	8500	0	0	0	0	0	0	
				Khashadhar	Khashadhar	Diwani	UPP-Lokadhar	Ivth year maintt.	10	17000	0	0	0	0	0	0	
				Khashadhar	Khashadhar	Dali	C. No. 78 a Dali	Ivth year maintt.	10	17000	0	0	0	0	0	0	
				Rohru	Gawas	Gawas	Bhwan Thach	Ivth year maintt.	5	8500	0	0	5	8500	5	8500	
				Rohru	Summerkot	Summerkot	UPP-Dumsa	Ivth year maintt.	5	8500	0	0	5	8500	5	8500	
				Sr Nagar	Mandal	Mandal	UPP-Bharshi	Ivth year maintt.	5	8500	0	0	5	8500	5	8500	
				Tikkar	Tikkar	Tikkar	UPP-Nirgi	Ivth year maintt.	5	8500	0	0	0	0	0	0	
				Tikkar	Tikkar	Sharontha	UPP-Fieldbag	Ivth year maintt.	5	8500	0	0	0	0	0	0	
							Sub-Total		70	119000	0	0	25	42500	25	42500	
				Cost of Plants for Ivth year maintt.					7700	130900	0	0	0	0	0	0	
				Total Ivth year Maintt-Afforestation						249900	0	0	25	42500	25	42500	
				Rohru	Rohru	Goana	C No.-54 Goana	Vth year Maintt.	8	13600	0	0	8	13600	8	13600	
				Rohru	Gawas	Gawas	UPP-Pathrala	Vth year Maintt.	8	13600	0	0	0	0	0	0	
				Bashla	Khadrals	Khangteri	UPP-Bashuni	Vth year Maintt.	8	13600	0	0	0	0	0	0	

J.O. (RNB)

2/11/17

2/11/17

3279

Enclosed to study & discuss.

2 Timber Plantation

Tikkar	Tikkar	Kidwan	UPF-Tatupani	Vth year Maint.	5	8500	0	0	0	0	0	0
			Sub-Total		29	49300	0	0	0	0	0	0
Cost of Plants for vth year maint.					3190	54200	0	0	0	0	0	0
Total vth year Maint-Afforestation						103500	0	0	0	0	0	0
Jubbal	Jubbal	Kharapathar	UF-Doorn	lvth year maint.	5	8500	0	0	38	13600	38	13600
Jubbal	Jubbal	Kharapathar	UF-Ori	lvth year maint.	5	8500	0	0	5	8500	5	8500
Jubbal	Jubbal	Kharapathar	UF-Jachli	lvth year maint.	5	8500	0	0	5	8500	5	8500
Jubbal	Jubbal	Bachal	UF-Bachal	lvth year maint.	5	8500	0	0	5	8500	5	8500
Jubbal	Jubbal	Shili	3b Giri	lvth year maint.	5	8500	0	0	5	8500	5	8500
Jubbal	Jubbal	Sanabha	UF-Sanabha	lvth year maint.	5	8500	0	0	5	8500	5	8500
Jubbal	Jubbal	Sanabha	Giri 4a	lvth year maint.	10	17000	0	0	5	8500	5	8500
Jubbal	Sheel	Shailan	C. No. 11 Kulgaon	lvth year maint.	5	8500	0	0	10	17000	10	17000
Jubbal	Sheel	Sheel	UF-Kayana	lvth year maint.	10	17000	0	0	5	8500	5	8500
Jubbal	Sheel	Mandhol	C. No. 18 Sari	lvth year maint.	5	8500	0	0	5	8500	5	8500
Tikkar	Tikkar	Kidwan	UF-Khali	lvth year maint.	5	8500	0	0	5	8500	5	8500
Rohru	sunmerkot	Machoti	UF-Bhoot	lvth year maint.	5	8500	0	0	5	8500	5	8500
S/ Nagar	Mandal	Kawaka	C. No. 2 Jakhi	lvth year maint.	10	17000	0	0	5	8500	5	8500
			Sub-Total		5	8500	0	0	10	17000	10	17000
Cost of Plants for lvth year maint.					80	136000	0	0	5	8500	5	8500
Total IV th year Maint					880	149600	0	0	88	136000	88	136000
Rohru	Rohru	Kuttara	UF-Khashkandi	vth year maint.	5	8500	0	0	88	136000	88	136000
Rohru	Rohru	Dalgaon	C. No. 52 c	vth year maint.	5	8500	0	0	5	8500	5	8500
Sawra	Kudu	Kudu	DPF-Ori	vth year maint.	5	8500	0	0	5	8500	5	8500
Tikkar	Tikkar	Shroutha	C. No. 9a karchari	vth year maint.	5	8500	0	0	5	8500	5	8500
Jubbal	Jubbal	Shailan	C. No. 10 b	vth year maint.	5	8500	0	0	5	8500	5	8500
			Shailan		8	13600	0	0	8	13600	8	13600

Expenditure incurred but not booked

Expenditure incurred but not booked

Jubbal	Jubbal	Kharaputha	UP-Deem	Vth year maintt.	3	8500	0	0	5	8500	5	8500
Jubbal	Shoe	Shellan	C. 11 Kalgmon	Vth year maintt.	8	13600	0	0	8	13600	8	13600
			Sub-Total		41	69700	0	0	41	69700	41	69700
Cost of Plants for Ivth year maintt.					4510	76600	0	0	0	0	0	0
Total IV th year Maintt						146300	0	0	41	69700	41	69700
Total Maintt. Timber plantation						431900	0	0	121	205700	121	205700
Bashia	Khadra	Khadra	C. No. 28b	IVth year maintt	10	17000	0	0	0	0	0	0
Jubbal	Jubbal	Shili	UF-Mahina	IVth year maintt	3	5100	0	0	0	0	0	0
			Sub-Total		13	22100	0	0	0	0	0	0
Cost of Plants for Ivth year maintt.					1430	24300	0	0	0	0	0	0
Total IV th year Maintt						46400	0	0	0	0	0	0
Bashia	Arhal	Khadra	UPF-Khadra	Vth year maintt	9	15300	0	0	0	0	0	0
Sawra	Mandal	Kawata	UP-Kawata	Vth year maintt	5	8500	0	0	0	0	0	0
Tikkar	Tikkar	Naksath	UP-Dhulla	Vth year maintt	8	13600	0	0	0	0	0	0
Jubbal	Shel	Shellan	C. No. 10b Shellan	Vth year maintt	15	25500	0	0	0	0	0	0
Jubbal	Sarel	Mandhol	UPF-Johal	Vth year maintt	5	8500	0	0	0	0	0	0
			Sub-Total		42	71400	0	0	0	0	0	0
Cost of Plants for Ivth year maintt.					4620	78500	0	0	0	0	0	0
Total IV th year Maintt						149900	0	0	0	0	0	0
Total maintt fodder plantation						196300	0	0	0	0	0	0
Jubbal	Jubbal	Sanahon	Giri 5 D	IIIrd year maintt	11	19800	0	0	0	0	0	0
Jubbal	Jubbal	Bachal	Giri 5(a)	IIIrd year maintt	6.1	10800	0	0	0	0	0	0
Jubbal	Jubbal	Bachal	Giri 5(b)	IIIrd year maintt	5	9000	0	0	0	0	0	0
Tikkar	Tikkar	Sharontha	UPF-Harshatiba	IIIrd year maintt	5	9000	0	0	0	0	0	0
			Sub Total		27.1	48600	0	0	0	0	0	0

3 Fodder Plantation

4 NTFP

Physical & Financial Progress of Resettlement and Rehabilitation measures

- 1 **LADF:-**
In LADF, the total contribution amounting to Rs. 8,37,79,500/- has already been released for the construction Phase.

- 2 **ITI Training:-** Total 88 students have been sponsored till date (out of which 5 dropped) and Rs. 31,07,640/- released on account of fee & scholarship to ITI students upto 30-09-2017

- 3 **Training & Awareness camps:-**
 - i) School competition:- Total 19 Nos. School Competitions were organized and expense of Rs.1,86,997/- incurred upto 30-09-2017.
 - ii) Awareness camps:- Total 28 Nos. of awareness camps were organized upto 30-09-2017 and expense of Rs. 10,66,508/- only.
 - iii) CBO Camps: - 47 Nos. of Camps were organized upto the end of reporting period with expenditure of Rs. 7,90,000/- only.

- 4 **Other benefits of the R&R schemes:-**
 - i) **Scholarship:-** First installment of the session 2016-2017 was released in Dec.,2016. Till 30.09.2017 scholarship to 220 Nos. students has been released amounting to Rs. 19,96,800/- only. During this reporting period no scholarship has been released.
 - ii) **Sports tournament:-** 11 Nos Sports tournaments organized up to 30-09-2017, the expenditure incurred Rs.3,12,605/-.
 - iii) **CBO Scheme:-** 7,40,000/- released to selected 9 No. of CBOs upto 30-09-2017.
 - iv) **R&R Grant:-** Total Rs.2,50,81,77/- R&R Grant was given to MPAF's.
 - v) **Medical Fund Scheme:-** upto the end of this reporting period Rs. 19,93,544/- was released on account of disbursement of medicine, purchase of medical equipments and reimbursement of medical bills (Medical Assistance) to MPAF under this scheme.

Ministry of Environment, Forest and Climate Change
North Central Regional Office
Dehradun
DATA SHEET

1.	Project Type:	Hydro Electric Project
2.	Name of the Project:	Sawra Kuddu Hydro Electric Project(111 MW) V.P.O. Hatkoti, Tehsil Jubbal, Distt. Shimla(HP)-171206.
3.	Clearance letter (s)/ O.M No.& dates:	<u>Forest Clearance</u> 1. F.No.8-42/2005/2005-FC dated 02-06-2006. 2. F.No.8-42/2005/2005-FC dated 20-01-2010. 3. F.No.8-42/2005/2005-FC dated 10-01-2013. <u>Environment Clearance</u> 1. J-2011/13/2006-IA.I Dated 17-05-2007.
4.	Location: a) District (s) b) State (s) c) Latitudes/longitudes	Shimla Himachal Pradesh Longitude 77.45.00 to 77.49.00 East Latitude 31.07.54 to 31.03.30 North
5.	Address for correspondence: a) Address of Concerned Project Chief Engineer (with Pin Code/ Tel No./Telex/FaxNo./ E.Mail address)	General Manager, Sawra Kuddu Hydro Electric Project(111 MW) V.P.O. Hatkoti, Tehsil Jubbal, Distt. Shimla(HP)-171206. Phone No. 01781-239205. Fax No. 01781-239208. Email ID- progress.skhep@gmail.com
6.	Salient features: a) of the project b) of the environmental management plans	As Per <u>Annexure-5(A)</u> Attached. 1. Construction of Sewage Treatment Plant 2. Solid Waste collection and disposal system 3. Sewage Disposal for labour Camp 4. Cost of substitution of fuel wood for work force 5. Muck Management and Rehabilitation of Disposal Sites 6. Mining Area Rehabilitation including maintenance for 7 years 7. Compensatory afforestation including maintenance for 7 years 8. Health Delivery System 9. Control of Air Pollution 10. Environmental Measures in Project's transport line 11. Noise Control Measures 12. Sustenance and Development of Fisheries including O&M 13. Greenbelt Development 14. Management of dust from transport activities 15. Road side Plantation 16. Cost of implementing CAT plan i/e maintenance for 7 years. 17. NPV paid to ameliorate environment 18. Impact mitigation on cultural sites 19. Cost of Environment Monitoring Programme 20. O&M cost

7.	Breakup of the project area	Forest Land	54.1425 Ha	
		Pvt. Land	Aggri. Land- 29.2073 Ha Pasture & Other-15.3969 Ha Bani Land-0.2056 Ha Total- 44.8098 Ha	
		Total	98.9523 Ha	
8.	Breakup of project affected population	Main Project affected families-753 Nos. Project affected families - 58 Nos.		
9.	Financial details: a) Project cost as originally planned and subsequent revised estimates and the year of price reference. b) Allocations made for environmental management plans with item wise and year wise break up. 			

	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 :	Yes Rs.115919.03Lacs. Rs. 1999.53 Lacs.
10.	Forest land requirement :	54.2514 hectare
11.	The status of clear felling in non-forest areas	Not applicable
12.	Status of construction : a) Date of commencement (actual and/or planned) b) Date of completion (actual and/or planned)	10-10-2007(Actual) October-2017 (Planned)
13.	Reasons for the delay if the project is yet to start:	Not applicable, project has already been commenced.
14.	Dates of site visits a. Date of previous site visit: b. Date of present site visit:	Yet not Visited. Yet not Visited.

SALIENT FEATURES**LOCATION:**

State	:	Himachal Pradesh
District	:	Shimla
River	:	Pabbar
Dam site	:	Hatkoti Village
Power house site	:	Snail Village

PK Weir**RESERVOIR:**

Maximum reservoir level (MRL)	:	1422.80m
Fullreservoir level (FRL)	:	1417.95m
Minimum draw down Level (MDD)	:	1413 .70m
Gross Storage	:	113Ha-.m
Live storage	:	53Ha-m
Dead storage	:	60Ha –m

Diversion Barrage

Type	:	Barrage
Max. Height	:	19.50 m
Top Elevation	:	1424.00m

SPILLWAY

Type	:	Gated &PK Weir
Design Flood :6880cumecs		
Crest Elevation	:	1404.50m
Energy Dissipater Gate	:	Stilling Basin +stepped spillway 5Nos (8.20mx6.30m each)
PK weir	:	110.40m
Water Way Width	:	162.9m(52.50m under sluices+110.4m) PK weir.

POWER INTAKE STRUCTURE

Design Discharge:	:	66.87 Cumecs
Type	:	Side intake
Crest Elevation	:	1410.70 m
Over all crest length	:	46.90m
Gate sill level	:	1406.50m

DESANDING ARRANGEMENT

i)	Feeder system	:	Three (Box Type) feede conduits 3x3m each .
(II)	Main Chambers:-		
	Type	:	Modified hopper
	Nos	:	Three
	Size of each chamber	:	94X17.60) x11.60 (depth above hopper Level)
	Limiting Particle Size	:	0.25 mm
(iii)	Flushing System	:	Three 1.30 dia .each flushing pipes laid in reverse slope

HRT

Length	:	11365 m
Size	:	Dia.5m,D-Shaped

SURGE SAFT

Dia.(Finished)	:	14.00m
Depth -	:	76.640m
Orifice Dia-	:	2.10m

POWER HOUSE

Installed Capacity	:	111 MW
Unit Size & number	:	37 MW, 3 units
Type of Machine	:	Francis (Vertical Axis)
Gross Head	:	205.36m
Net Head	:	184.50m
Main Access Tunnel	:	Dia-7.50m,D-Shaped, 239.00m Long
Machine Hall	:	58m x 14m x 39.20m
Erection/transport Bay	:	18m x 14m x 20.00m, Underground
Control Bay	:	14m x 14m x 20m, Underground
Pot Head Yard	:	45m x 25m
Cable Tunnel	:	Dia. 5.50m, D-Shaped, 277m Long
Pressure shaft	:	Main Dia. 4.00m, 304.732m Long Branch dia. 3.00m, 16.025m Long Branch Dia. 2.30m, 93.238m long
Tail Race Tunnel	:	Dia. 5.00m, D-Shaped, 384m Long
Transformer hall caver	:	73m x 14m x 22.5m

TAIL RACE SURGE TANK

Dia.	:	7m
Type	:	Restricted Orifice Type
Dia. of Orifice	:	2.70m

Benefit analysis (to be enclosed)

The calculation of the economic analysis are based on net present value (NPV). The principal is to consider that the value of money change with time due to the interest rate. This means, for instance at 10% interest with 100 INR today as the same value as 110 INR. When using all income and expenditure during a certain period are re-calculated to discounted to a certain point of time. All these discounted amounts are added up and the balance become the NPV. The project is considered profitable if the NPV is positive at the given interest rate.

Internal rate of return (IRR) is the interest rate that gives a NPV equal to zero. Benefit/cost (B/C) is defined as NPV of total income divided with NPV of total costs.

Cost of energy is defined as the required average price per Kwh. Where the net present value balances the net present value of income at a given discount rate (BR).

The following criteria have been used in the economic calculation

- i) A wall discount rate of 9% is excluded.
- ii) A price level of December, 1995 and no extra cost for interest for interest during construction will be included.

No cost value of the plant or major equipment has been considered in the calculation.

Calculation at basis condition :-

The cost of energy used are for base power summer and winter 1.25 INR/Kwh and for peak power summer and winter 2.58 INR/Kwh. The total project cost are calculated 557.19 Crores (excluding Transmission cost) in the price level of December, 1995. A total capacity of 1400 MW will require capital investment of Rs.0.39 lacs/Kw. The annual cost of operation and maintenance are calculated to be Rs.557 lacs

The net present value of income of generation and cost and of the yearly (Income-total cost) generate are shown at different discount rates -the cost of energy yields an average energy cost that balances the cost during the operating life of the plants

	DISCOUNT S.		
	7%	9%	11%
NPV ----- minimum total cost + 290.64		+120.67	21.86
NPV Cost of energy INR/Kwh	0.96	1.20	1.47

The internal rate of return is calculated to 12.2% and the benefit /cost rate to be 1.37.

Rate of energy for base power is 1.25 and for peak power 2.5 INR/Kwh. yields a positive NPV are on discount rate upto 12.2 % equal to the internal rate of return -The calculation so the cost for energy to be 1.20 INR/Kwh and benefit /cost rate of 1.37 at 9% discount rates.

The cost of energy in this case means that using an average rate of energy of 1.20 INR/Kwh balances the total cost during the operating life of the project using a discount rate

Sugandh

ffh



ANALYSIS REPORT FOR WATER / WASTE WATER SAMPLE

Himachal State Pollution Control Board, Parwanoo

Sector-4

Parwanoo, Distt. Solan

Parwanoo-173220

Tele:01792-232540

Sample ID:47601 - Analysis Completion:03/11/2017

Power generation plant [except Wind and Solar
renewable power plants of all capacities and Mini Hydel
power plant of capacity <25MW] / LAB Inward : 13205

TEST REPORT

Test Report No. : 13205

Date: 03/11/2017

1. Name of the Customer : Sawra Kuddu H.E.P. (111 Mw) - 11241
2. Address : -,H.P.Power Corporation Ltd.,Sawra kuddu Const. Circle
Hatkoti-171206, Taluka : Rohru, District : Shimla, GIDC : Not in any SIDC
3. Nature of Sample : PRJ-Project, (Insp Type : PAR-Party Sample)
4. Sample Collected By : Abhay Gupta,JEE
5. Quantity of Sample Received :
6. Code No. of the Sample : 47601
7. Date & Time of Collection & Inwarding : 16/09/2017 , (1440 to 1445) & 19/09/2017
8. Date of Start & Completion of Analysis : 19/09/2017 & 03/11/2017
9. Sampling Point : GROUND WATER SOURCE AT COLONY HATKOTI ~`
10. Flow Details (Remarks) :
11. Mode of Disposal :
12. Ultimate Receiving Body : river
13. Temperature on Collection : & pH Range on pH Strip :
14. Carboys Nos for : M1 & Color & Appearance :
15. Water Consumption & W.W.G (KLPD) : Ind :0.000 , Dom :9.000 & Ind :0.000 , Dom :7.200

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Suspended Solids	-	-	-	3.0 mg/l
2	Chloride	-	-	-	16.49 mg/l
3	COD	-	-	-	28.0 mg/l
4	Iron	-	-	-	0.10 mg/l
5	pH	-	-	-	7.38

Laboratory Remarks : Study Sample By:94-pcb_94 Dt.: 03/11/2017

Sanjeev Sharma,SSO

Field Observation : emp monitoring

Note :

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3. Samples will be destroyed after 10 days from the date of issue of test report unless otherwise specified.
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5. The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
6. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Himachal Pradesh Jurisdiction only.
7. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents



ANALYSIS REPORT FOR
WATER / WASTE WATER SAMPLE

Himachal State Pollution Control Board, Parwanoo

Sector-4

Parwanoo, Distt. Solan

Parwanoo-173220

Tele:01792-232540

Sample ID:47602 - Analysis Completion:03/11/2017

Power generation plant [except Wind and Solar
renewable power plants of all capacities and Mini Hydel
power plant of capacity <25MW] / LAB Inward : 13206

TEST REPORT

Test Report No. : 13206

Date: 03/11/2017

1. Name of the Customer : Sawra Kuddu H.E.P. (111 Mw) - 11241
2. Address : -,H.P.Power Corporation Ltd.,Sawra kuddu Const. Circle
Hatkoti-171206, Taluka : Rohru, District : Shimla, GIDC : Not in any SIDC
3. Nature of Sample : WAT-Water Act(Legal), (Insp Type : PAR-Party Sample)
4. Sample Collected By : Abhay Gupta,JEE
5. Quantity of Sample Received :
6. Code No. of the Sample : 47602
7. Date & Time of Collection & Inwarding : 16/09/2017 , (1430 to 1435) & 19/09/2017
8. Date of Start & Completion of Analysis : 19/09/2017 & 03/11/2017
9. Sampling Point : FINAL OUTLET OF STP ~`
10. Flow Details (Remarks) :
11. Mode of Disposal :
12. Ultimate Receiving Body : river
13. Temperature on Collection : & pH Range on pH Strip :
14. Carboys Nos for : M2 & Color & Appearance :
15. Water Consumption & W.W.G (KLPD) : Ind :0.000 , Dom :9.000 & Ind :0.000 , Dom :7.200

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Suspended Solids	-	-	-	10.0 mg/l
2	Biochemical Oxygen Demand (BOD)	-	-	-	12.0 mg/l
3	COD	-	-	-	68.0 mg/l
4	Oil and Grease	-	-	-	0.64 mg/l
5	pH	-	-	-	7.16

Laboratory Remarks : Study Sample By:94-pcb_94 Dt.: 03/11/2017

Sanjeev Sharma,SSO

Field Observation : stp was in operation

Note :

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6. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Himachal Pradesh Jurisdiction only.
7. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents



ANALYSIS REPORT FOR WATER / WASTE WATER SAMPLE

Himachal State Pollution Control Board, Parwanoo

Sector-4

Parwanoo, Distt. Solan

Parwanoo-173220

Tele:01792-232540

Sample ID:47598 - Analysis Completion:06/11/2017

Power generation plant [except Wind and Solar
renewable power plants of all capacities and Mini Hydel
power plant of capacity <25MW] / LAB Inward : 13207

TEST REPORT

Test Report No. : 13207

Date: 06/11/2017

1. Name of the Customer : Sawra Kuddu H.E.P. (111 Mw) - 11241
2. Address : -,H.P.Power Corporation Ltd.,Sawra kuddu Const. Circle
Hatkoti-171206, Taluka : Rohru, District : Shimla, GIDC : Not in any SIDC
3. Nature of Sample : PRJ-Project, (Insp Type : PAR-Party Sample)
4. Sample Collected By : Abhay Gupta,JEE
5. Quantity of Sample Received :
6. Code No. of the Sample : 47598
7. Date & Time of Collection & Inwarding : 16/09/2017 , (1400 to 1402) & 19/09/2017
8. Date of Start & Completion of Analysis : 19/09/2017 & 06/11/2017
9. Sampling Point : 500 m U/s of barrage ~`
10. Flow Details (Remarks) :
11. Mode of Disposal :
12. Ultimate Receiving Body : river
13. Temperature on Collection : & pH Range on pH Strip :
14. Carboys Nos for : A1 & Color & Appearance :
15. Water Consumption & W.W.G (KLPD) : Ind :0.000 , Dom :9.000 & Ind :0.000 , Dom :7.200

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Suspended Solids	-	-	-	10.0 mg/l
2	Conductivity	-	-	-	96.8 us
3	Turbidity	-	-	-	1 NTU
4	Alkalinity	-	-	-	82.0 mg/l
5	Biochemical Oxygen Demand (BOD)	-	-	-	0.8 mg/l
6	Boron	-	-	-	0.08 mg/l
7	Calcium	-	-	-	20.82 mg/l
8	Chloride	-	-	-	22.49 mg/l
9	COD	-	-	-	16.0 mg/l
10	Fluoride	-	-	-	0.16 mg/l
11	Hardness (Total)	--	-	-	66.0 mg/l
12	Iron	-	-	-	NR
13	Magnesium	-	-	-	3.40 mg/l
14	pH	-	-	-	7.51
15	Phosphate (Total)	-	-	-	0.16 mg/l
16	Sulphate	-	-	-	10.0 mg/l

Laboratory Remarks : study sample By:94-pcb_94 Dt.: 06/11/2017

Sanjeev Sharma,SSO

Field Observation : emp monitoring

Note :

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7. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents



ANALYSIS REPORT FOR
WATER / WASTE WATER SAMPLE

Himachal State Pollution Control Board, Parwanoo

Sector-4

Parwanoo, Distt. Solan

Parwanoo-173220

Tele:01792-232540

Sample ID:47599 - Analysis Completion:06/11/2017

Power generation plant [except Wind and Solar
renewable power plants of all capacities and Mini Hydel
power plant of capacity <25MW] / LAB Inward : 13208

TEST REPORT

Test Report No. : 13208

Date: 06/11/2017

1. Name of the Customer : Sawra Kuddu H.E.P. (111 Mw) - 11241
2. Address : -,H.P.Power Corporation Ltd.,Sawra kuddu Const. Circle
Hatkoti-171206, Taluka : Rohru, District : Shimla, GIDC : Not in any SIDC
3. Nature of Sample : PRJ-Project, (Insp Type : PAR-Party Sample)
4. Sample Collected By : Abhay Gupta,JEE
5. Quantity of Sample Received :
6. Code No. of the Sample : 47599
7. Date & Time of Collection & Inwarding : 16/09/2017 , (1410 to 1412) & 19/09/2017
8. Date of Start & Completion of Analysis : 19/09/2017 & 06/11/2017
9. Sampling Point : At diversion Stucture ~`
10. Flow Details (Remarks) :
11. Mode of Disposal :
12. Ultimate Receiving Body : river
13. Temperature on Collection : & pH Range on pH Strip :
14. Carboys Nos for : A2 & Color & Appearance :
15. Water Consumption & W.W.G (KLPD) : Ind :0.000 , Dom :9.000 & Ind :0.000 , Dom :7.200

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Suspended Solids	-	-	-	54.0 mg/l
2	Conductivity	-	-	-	156.6 us
3	Turbidity	-	-	-	4 NTU
4	Alkalinity	-	-	-	160.0 mg/l
5	Biochemical Oxygen Demand (BOD)	-	-	-	0.6 mg/l
6	Boron	-	-	-	0.10 mg/l
7	Calcium	-	-	-	21.61 mg/l
8	Chloride	-	-	-	31.68 mg/l
9	COD	-	-	-	12.0 mg/l
10	Fluoride	-	-	-	0.172 mg/l
11	Hardness (Total)	--	-	-	70.0 mg/l
12	Iron	-	-	-	ND
13	Magnesium	-	-	-	3.88 mg/l
14	pH	-	-	-	7.62
15	Phosphate (Total)	-	-	-	0.103 mg/l
16	Sulphate	-	-	-	12.0 mg/l

Laboratory Remarks : Read NR in place of ND in the result of Iron By:94-pcb_94 Dt.: 06/11/2017

Sanjeev Sharma,SSO

Field Observation : emp monitoring

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7. Permissible Limits: as per Schedule VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents



ANALYSIS REPORT FOR WATER / WASTE WATER SAMPLE

Himachal State Pollution Control Board, Parwanoo

Sector-4

Parwanoo, Distt. Solan

Parwanoo-173220

Tele:01792-232540

Sample ID:47600 - Analysis Completion:06/11/2017

Power generation plant [except Wind and Solar
renewable power plants of all capacities and Mini Hydel
power plant of capacity <25MW] / LAB Inward : 13209

TEST REPORT

Test Report No. : 13209

Date: 06/11/2017

1. Name of the Customer : Sawra Kuddu H.E.P. (111 Mw) - 11241
2. Address : -,H.P.Power Corporation Ltd.,Sawra kuddu Const. Circle
Hatkoti-171206, Taluka : Rohru, District : Shimla, GIDC : Not in any SIDC
3. Nature of Sample : PRJ-Project, (Insp Type : PAR-Party Sample)
4. Sample Collected By : Abhay Gupta,JEE
5. Quantity of Sample Received :
6. Code No. of the Sample : 47600
7. Date & Time of Collection & Inwarding : 16/09/2017 , (1415 to 1417) & 19/09/2017
8. Date of Start & Completion of Analysis : 19/09/2017 & 06/11/2017
9. Sampling Point : D/s Barrage ~`
10. Flow Details (Remarks) :
11. Mode of Disposal :
12. Ultimate Receiving Body : river
13. Temperature on Collection : & pH Range on pH Strip :
14. Carboys Nos for : A3 & Color & Appearance :
15. Water Consumption & W.W.G (KLPD) : Ind :0.000 , Dom :9.000 & Ind :0.000 , Dom :7.200

Sr	Parameter	Unit	Test Method	Range of Testing	Result
1	Suspended Solids	-	-	-	65.0 mg/l
2	Conductivity	-	-	-	100.1 us
3	Turbidity	-	-	-	14.0 mg/l
4	Alkalinity	-	-	-	120.0 mg/l
5	Biochemical Oxygen Demand (BOD)	-	-	-	2.4 mg/l
6	Boron	-	-	-	0.14 mg/l
7	Calcium	-	-	-	17.21 mg/l
8	Chloride	-	-	-	11.0 mg/l
9	COD	-	-	-	32.0 mg/l
10	Fluoride	-	-	-	0.155 mg/l
11	Hardness (Total)	--	-	-	52.0 mg/l
12	Iron	-	-	-	NR
13	Magnesium	-	-	-	2.19 mg/l
14	pH	-	-	-	7.57
15	Phosphate (Total)	-	-	-	0.52 mg/l
16	Sulphate	-	-	-	18.0 mg/l

Laboratory Remarks : study sample By:94-pcb_94 Dt.: 06/11/2017

Sanjeev Sharma,SSO

Field Observation : emp monitoring

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Detail of No. of Labourers medically checked up by different Contractors, expenditure incurred on medicines and other medical facilities provided during the reporting period.

S. No.	Year/ period	No. of Labourers medically checked up by M/s HCC Ltd. (Package-HRT)	Expenditure incurred on providing medicine (in Rs.)	No. of Labourers medically checked up by M/s Patel Engg. Ltd. (Package-DBID)	Expenditure incurred on providing medicine (in Rs.)	No. of Labourers medically checked up by M/s Patel Engg. Ltd. (Package-P/House)	Expenditure incurred on providing medicine (in Rs.)	Total No. of Workers Checked	Total Expenditure incurred on providing medicines (in Rs.)	Remarks
1	Apr-17	23	53,000.00	5	2,755.00	0	0	28	55,755.00	
2	May-17	24	56,000.00	5	2,755.00	0	0	29	58,755.00	
3	Jun-17	24	59,000.00	5	2,755.00	0	0	29	61,755.00	
4	Jul-17	16	36,923.00	5	2,755.00	0	0	21	39,678.00	
5	Aug-17	16	36,923.00	5	2,755.00	0	0	21	39,678.00	
6	Sep-17	20	46,154.00	5	2,755.00	0	0	25	48,909.00	
	Total	123	2,88,000.00	30	16,530.00	0	0	153	3,04,530.00	

Allocation of funds for different Environment Management Plan along with utilization of funds

S. No.	Description of Items	Allocation of funds (In Lacs)	Utilization of funds Upto Sept-2017 (In lacs)	Remarks
1	Construction of Sewage Treatment Plant	24.00	58.60	
2	Solid Waste collection and disposal system	23.40	45.32	
3	Sewage Disposal for labour Camp	15.00	59.33	
4	Cost of substitution of fuel wood for work force	15.80	123.88	
5	Muck Management and Rehabilitation of Disposal Sites	337.40	344.91	
6	Mining Area Rehabilitation including maintenance for 7 years	40.30	0.00	
7	Compensatory afforestation including maintenance for 7 years	42.65	73.00	
8	Health Delivery System	12.00	65.45	
9	Control of Air Pollution	15.00	23.62	
10	Environmental Measures in Project's transport line	10.00	9.78	
11	Noise Control Measures	2.00	4.71	
12	Sustenance and Development of Fisheries including O&M	130.00	31.00	
13	Greenbelt Development	13.00	6.06	
14	Management of dust from transport activities	20.00	61.88	
15	Road side Plantation	20.00	12.56	
16	Cost of implementing CAT plan i/e maintenance for 7 years.	731.08	662.00	
17	NPV paid to ameliorate environment	367.15	374.42	
18	impact mitigation on cultural sites	3.00	28.91	
19	Cost of Environment Monitoring Programme	71.82	99.94	
20	O&M cost	42.23	4.23	
	Total	1935.83	2089.60	

Annexure-8**Detail of No. of Labour engaged by the different Contractors, quantity of free fuel supplied and expenditure incurred during the reporting period**

S. No.	Year/ period	No. of Labour engaged contract wise			Quantum of fuel supplied or subsidy provided						Financial Expenditure incurred (in Rs.)			Total	Remarks
		HRT	DBID	Power House	HRT		DBID		Power House		HRT	DBID	Power House		
					Diesel For Burner (Ltrs.)	LPG (Cylinder)	Diesel For Burner (Ltrs.)	LPG (Cylinder)	Diesel For Burner (Ltrs.)	LPG (Cylinder)					
1	Apr-17	350	25	0	1400	105	204	12	0	0	199038	28049	0	227087	
2	May-17	346	25	0	1300	103	204	12	0	0	273071	28049	0	301120	
3	Jun-17	342	20	0	1300	100	204	11	0	0	273071	26662	0	299733	
4	Jul-17	260	25	0	1239	99	215	10	0	0	202173	25163	0	227336	
5	Aug-17	259	20	0	1170	95	215	10	0	0	182878	25163	0	208041	
6	Sep-17	214	25	0	1110	91	215	10	0	0	184818	25164	0	209982	
									Grand Total		1315049	158250	0	1473299	

तार :
Telegram : PARYAVARAN,
NEW DELHI
दूरभाष :
Telephone : & Fax 2436 2827
टेलिग्राफ :
Telex : W-88186 DOE IN
FAX : 4360678

भारत सरकार
पर्यावरण एवं वन मंत्रालय
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS
पर्यावरण भवन, सी. जी. ओ. कॉम्प्लेक्स
PARYAVARAN BHAVAN, C.G.O. COMPLEX
लोधी रोड, नई दिल्ली-110003
LODHI ROAD, NEW DELHI-110003

No. J-12011/13/2006-IA.I

Dated : 17th May, 2007

Shri. A. K. Awasthi
Managing Director,
M/s Pabbaer Valley Power Corporation Ltd.
Khalini
Shimla - 171 002
Himachal Pradesh

Sub: Sawra-Kuddu Hydroelectric Power Project -111 MW (3 x 37 MW) in
Himachal Pradesh - **Environmental Clearance regarding.**

Sir,

This has reference to your letters No.PVPC-MD-SK-Environment/2006-1362 dated 5.10.2006 and 15.3.2007 on the above subject.

The above referred proposal was considered by the Expert Committee for River Valley & Hydroelectric projects at its meeting held on 21-22 February, 2007 and reconsidered on 21-22 March, 2007. the proposal envisages construction of a 9 m high diversion barrage from river bed level across river Pabbar for generating 111 MW hydropower. The power house will be underground. located in Rohru/Jubbil Tehsil of District Shimla of Himachal Pradesh. The project is located about 30 kms upstream of Hatkoti at Tehsil Jubbal of District Shimla to generate 111 MW hydropower and is a run of the river project. The total land requirement for the project is about 97.62 ha out of which 53.21 ha is a forest land. A total of 24 families are likely to be affected. The height of the barrage is 9 mts which will submerge 50 ha. The total estimated cost is about Rs.648 Crores and the project is to be completed in 52 months.

2. The Ministry of Environment and Forests hereby accords environmental clearance as per the provisions of Environmental Impact Assessment Notification, 1994 & 2006 subject to strict compliance of the terms and conditions as follows:

Part A: Specific Conditions

- Catchment Area Treatment Plan as has been proposed should be completed in three years. The plan is given below:

Treatment Measures	Year-I	Year-II	Year-III	Year-IV	Year-V	Total
(I) Biological Treatment						
Social Forestry	60 ha	60 ha	60 ha	60 ha	60 ha	300 ha
Fuel wood and fodder grass	91 ha	91 ha	91 ha	91 ha	91 ha	455 ha
NTFP	50 ha	50 ha	50 ha	50 ha	50 ha	250 ha
Nursery development	2 No.	—	—	—	—	2 No
Pasture Development	60 ha	60 ha	60 ha	60 ha	60 ha	300 ha
(II) Engineering Treatment						
Wire crates	40	40	40	40	40	200 No.
Vegetative spurs	80	80	80	80	80	400 No.
Contour trenching	20 ha	20 ha	20 ha	20 ha	20 ha	100 ha
Bench terracing	25 ha	25 ha	25 ha	25 ha	25 ha	125 ha
Catch-water drains	100 ha	100 ha	100 ha	100 ha	100 ha	500 ha
R/W & Check dams	97 ha	97 ha	97 ha	97 ha	97 ha	485 ha

ii) The land holding of project affected persons whose land is being acquired to be submitted to this Ministry. If any person/family whose acquired land is more than 70% of the total land holding is identified, such family/person shall be treated as fully affected person for compensation package applicable in such cases will be undertaken by PVPCL.

iii) A Monitoring Committee for R & R should be constituted which must include representatives of project-affected persons from SC / ST category and a woman beneficiary.

iv) The commitment made during the public hearing should be fulfilled.

v) The Biodiversity Conservation & Management plan as proposed in the EMP shall be followed in toto.

vii) All the equipment which are likely to-generate high noise levels are to be fully mollified (noise reduction measures)

viii) Consolidation and compilation of the muck should be carried-out in the muck dump sites and the dump sites should be above high flood level

Part-B: General Conditions

(i) Adequate free fuel arrangement should be made for the labour force engaged in the construction work at project cost so that indiscriminate felling of trees is prevented.

(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 labourers.

(iii) All the labourers to be engaged for construction works should be thoroughly examined by health personnel and adequately treated before issuing them work permit.

- (iv) Restoration of construction area including dumping site of excavated materials should be ensured by leveling, filling up of burrow pits, landscaping etc. The area should be properly treated with suitable plantation.
- (v) Financial provision should be made in the total budget of the project for implementation of the above suggested safeguard measures.
- (vi) A Multidisciplinary committee should be constituted in consultation with the Ministry, with ecologists, environmental scientists, conservationists and experienced administrators etc to oversee the effective implementation of the suggested safeguard measures.
- (vii) Six monthly monitoring reports should be submitted to the Ministry and its Regional Office, Chandigarh for review.

3. 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.

4. The responsibility of implementation of environmental safeguards rests fully with the PWVC, Ltd & Government of Himachal Pradesh.

5. In case of change in the scope of the project, project would require a fresh appraisal.

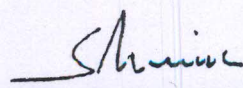
6. The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.

7. This clearance letter is valid for a period of five years from the date of issue of this letter for commencement of construction work.

8. A copy of the clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom any suggestion/ representation has been received while processing the proposal.

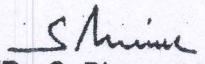
9. State Pollution Control Board / Committee should display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's office/ Tehsildar's office for 30 days.

10. The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at [http:// www.envfor.nic.in](http://www.envfor.nic.in)


(Dr. S. Bhowmik)
Additional Director
Page 50 of 55
12/13

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti, Bhawan, Rafi Marg, New Delhi-110001.
2. The Adviser (Power), Planning Commission, Yojna Bhawan, New Delhi - 110001.
3. The Secretary, Department of Environment, Government of Himachal Pradesh
4. The Chief Engineer, Project Appraisal Directorate, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
5. The Regional Office, Ministry of Environment & Forests, Chandigarh
6. Member Secretary State Pollution Control Board, Government of Himachal Pradesh, Shimla
7. E-I Division, Ministry of Environment & Forests, New Delhi-110003.
8. Guard file.


(Dr. S. Bhowmik)
Additional Director

PABBAR VALLEY POWER CORPORATION LIMITED
 No PVPCL/SE/SKCC-DB-SK C.A.T./2007- 1661-62
 To

Dated:- 19-7-07

✓ The Public Relation Officer,
 HPSEB, Shimla-4.

Subject:- Publication of Advertisement.

Please find enclosed herewith the advertisement (Environment Clearance) to be published in the daily newspaper in English (The Tribune Chandigarh edition) & in Hindi (Amar Ujala Chandigarh edition) in one insertion in respect of Sawra-Kuddu HEP on or before 21-07-2007

The bill in duplicate for advertisement charges along with tear sheet of the said advertisement may be sent to this office for payment please.

Thanking You

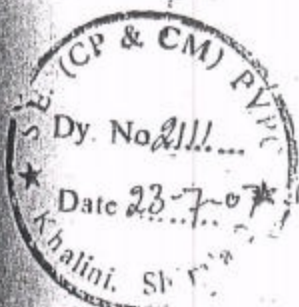
Yours faithfully,

[Signature]
 18/07/07
 Superintending Engineer,
 Sawra-Kuddu Construction Circle,
 PVPCL Rohru 171207.

CC

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The Managing Director, PVPCL, Khalini- Shimla-2 for information please.



SAWRA KUDDU HYDRO ELECTRIC PROJECT (3x37 MW) ENVIRONMENTAL CLEARANCE

The Sawra Kuddu Hydro Electric Project (3x37MW) being executed by Pabbar Valley Power Corporation Limited (a company promoted by HPSEB) has been accorded Environmental clearance by the Ministry of Environment and Forest (GOI), as per the provisions of "Environmental Impact Assessment Notification", 1994 & 2006 on dated 17th May, 2007.

The project is located on River Pabbar with "Barrage", 9.2 mt high at Hatkoti (Tehsil, Jubbhal), a "Head Race Tunnel" (HRT) 5mts dia D-shaped, 11.145 Km long and "Under ground Power House" generating (3x37 MW) with annual energy generation of 374 millions units (90% dependable year) or 507 million units (50% mean year) at Snail (Tehsil, Jubbhal) at about 12Km. downstream from Hatkoti. The project completion cost is estimated to be Rs. 648.00 Crore.

The total cost implementing Environment Managements Plan is Rs. 19.36 Crore which also include Rs. 7.31 Crore for the implementation of catchment area plan. The Environmental Management Plan as approved by the Govt. of India will be implemented by the Project level Implementation Committee (PLIC) consisting of Pradhan of project effected panchyats, Representative of Pabbar Valley Power Corporation, Representative of Sub-Divisional Magistrate, Rohru and Divisional Forest Officer, Rohru.

A local area development Committee has also been constituted by the Govt of H.P department of MPP & Power under the chairmanship of D.C Shimla for monitoring the implementation of Resettlement & Rehabilitation Plan (RR plan), Catchments area treatment plan (CAT plan), Environment impact assessment (EIA), Quality control mechanism of the project and other activities related to Agriculture, Horticulture etc, and other Social & Religious cultural activities. A provision of about Rs 9.70 Crores has been kept for the implementation of the same. First installment will be deposited in the month of August with the Chairman of LADC.

Consequent upon accordance of environmental clearance, Pabbar Valley Power Corporation has awarded the works for construction of 11.145km long Head Race Tunnel (HRT) of the project to M/s Aban Coastal Joint Venture Hyderabad during June, 2007 and project is likely to be completed in Dec-2011.

Satish Mahajan
(Er. Satish Mahajan)
Superintending Engineer,
Sawra-Kuddu Construction
PVPCL Rohru.-171207 (Shimla)
Tel; 01781240067



PUNJABI UNIVERSITY, PATIALA

(Established under Punjab Act No. 35 of 1961)

ADMISSION NOTICE

Applications on prescribed form with a late fee of Rs. 2000/- are invited for admission to a few vacant seats in:

MASTER OF FINANCE AND CONTROL COURSE
Eligibility: Graduate with 50% marks in any stream.

Last date for submission of application in the Deptt.: 25.07.07
Date of Interview: 26.07.07 at 10.00 AM in Commerce Deptt.

DEAN ACADEMIC AFFAIRS
Punjab University, Patiala

1137/D.P.R.



BHARAT SANCHAR NIGAM LTD.

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O/o General Manager Telecom, District Jind

NOTICE INVITING TENDER

N.L.T. No. JD/Tender-28/UG Cable/Jind SSA/2007-08/21 Dated: 20-07-2007

G.M.T.D. BSNL Jind invites properly sealed (PVC tape/WAX) bids from eligible contractors for under-ground cable laying works in Jind SSA.

For eligibility criteria and further details visit our website: www.jind.bsnl.co.in and www.haryana.bsnl.co.in

D.E(Pig),
O/o GMTD/Jind

The Sonapat Hindu Educational & Charitable Society, Sonapat

NOTICE

In compliance of School Education Rules 2003 Rule 32 (2)(b) it is notified to all concerned members of 'The Sonapat Hindu Educational & Charitable Society, Sonapat' that Elections for the Managing committee of S.M. Hindu Sr. Sec. School, Hindu Vidyapeeth, Hindu Kanya Sr. Sec. School, Hindu Sr. Sec. School, Sonapat will be held on Sunday, 26.08.2007 at Hindu Vidyapeeth, Sonapat between 8.00 AM to 4.00 PM. Rest of information regarding Election schedule will be sent by Returning officer.

Bal Kishan Garg (Returning Officer)

S. M. Hindu Sr. Sec. School,
Hindu Vidyapeeth, Hindu Kanya Sr. Sec. School,
Hindu Sr. Sec. School, Sonapat

SHAHEED KARTAR SINGH SARABHA DENTAL COLLEGE

V.P.O Sarabha, Distt. Ludhiana (Pb.) - 141105

REQUIRES

Professors, Readers and Lecturers/Demonstrators in the Departments of Anatomy, Physiology, Bio-Chemistry, Prosthetics and Conservative Dentistry.

Qualification: M.D., M.D.S., MBBS, B.D.S. Pay Scale as per UGC Norms

Apply with Full Bio Data

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Fax: 0161 2863037

98140-32575
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HIMACHAL PRADESH STATE ELECTRICITY BOARD

TRIVING POWER TO THE PEOPLE

SAWRA KUDDU HYDRO ELECTRIC PROJECT (3X37MW)

ENVIRONMENTAL CLEARANCE

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(Er. Satish Mahajan)
Superintending Engineer,
Sawra-Kuddu Construction, PVPCL



HIMACHAL ROAD TRANSPORT CORPORATION

UNA

NOTICE INVITING QUOTATIONS

Sealed tenders are for the auction of work of Adda parking fee collection of Bus Stand Amb for the period of 11 months are invited on 25.07.2007 (25th July, 2007).

1. Sale of Tender forms : up to 12:00
2. Receipt of tender form : up to 12:30 P.M.
3. Opening of Tenders : 12:45 P.M.
4. Open auction (if necessary) : 1:00 P.M.
5. Cost of Tender Form : Rs. 100/- per tender form.
6. Earnest Money : Rs. 20,000/- per tender form.

The detail can be had from the office of the Regional Manager, H.R.T.C. Una on the same day.

Sd/-
Regional Manager
H.R.T.C., Una

ICICI Bank ICICI Bank Limited

Registered Office: Landmark, Race Course Circle, Vadodara 390007 Corporate Office: ICICI Bank Towers, Bandra-Kurla Complex, Mumbai 400051
On behalf of ICICI Bank Ltd., Roopnagar

Dear Customers,
We are pleased to inform you that we are upgrading and relocating Roopnagar EC to Bela Chowk, Roopnagar as a full-fledged branch with effect from 30th July, 2007. The address details of our new branch are: ICICI Bank Ltd MCR-3039-E

Bela Chowk Roopnagar-140001 Punjab
Please note that there is no change in your account numbers or the security items issued to you. You will be able to make all your transactions from this upgraded branch from 30th July, 2007.

Assuring you of the best services at all items.

Sincerely,
Branch Manager

