

## SIX MONTHLY PROGRESS REPORT ON ENVIRONMENTAL ASPECTS

### Progress report for the period ending March-2014

1.	Name of the Project	<b>Uri - II HE Project</b>																										
2.	Type of the Project	Hydro-electric project																										
3.	Clearance Letter(s) OM No. & Date a) Environment clearance b) Forest clearance	a) J-12011/14/2004-IA-I dated 13.08.2004 b) No forest land is required for the project. NOC in this regard issued by State Government vide letter No. PCCF/FC/292/1514-17 dated 29.07.2003.																										
4.	Locations a) District(s) b) State (s) c) Latitude d) Longitude	a) Baramulla b) Jammu & Kashmir c) 34° 5' 34" N to 34° 6' 27" N d) 73° 56' 23" E to 74° 1' 52" E																										
5.	Address for Correspondence a) Address of concerned Project Head (with pin code and telephone / fax nos.) b) Address of concerned HOD in Corporate Office (with pin code & telephone/ fax no.)	a) Chief Engineer (I/c), Uri-II HE Project, Nowpora, Tehsil-Uri, Baramulla (J&K)-193 123, Tel : 01956-210200 Fax : 01956-244395  b) Executive Director (Planning), Corporate Planning Division, NHPC Office Complex, Sector-33, Faridabad-121 003, Tel / Fax: 0129-2271425																										
6.	Details of Environmental Management Plans	<p>Following Environmental Management plans are being implemented at the project:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">S.No.</th> <th style="text-align: center;">EMP</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1.</td><td>Catchment Area Treatment</td></tr> <tr><td style="text-align: center;">2.</td><td>Biodiversity Conservation</td></tr> <tr><td style="text-align: center;">3.</td><td>Fisheries Development</td></tr> <tr><td style="text-align: center;">4.</td><td>Health Care</td></tr> <tr><td style="text-align: center;">5.</td><td>Energy Conservation Measures</td></tr> <tr><td style="text-align: center;">6.</td><td>Muck Disposal</td></tr> <tr><td style="text-align: center;">7.</td><td>Restoration of construction areas</td></tr> <tr><td style="text-align: center;">8.</td><td>Green Belt Development</td></tr> <tr><td style="text-align: center;">9.</td><td>Solid Waste Management</td></tr> <tr><td style="text-align: center;">10.</td><td>Disaster Management Plan</td></tr> <tr><td style="text-align: center;">11.</td><td>Environmental studies/ monitoring programme</td></tr> <tr><td style="text-align: center;">12.</td><td>Resettlement &amp; Rehabilitation (Under B-Land)</td></tr> </tbody> </table>	S.No.	EMP	1.	Catchment Area Treatment	2.	Biodiversity Conservation	3.	Fisheries Development	4.	Health Care	5.	Energy Conservation Measures	6.	Muck Disposal	7.	Restoration of construction areas	8.	Green Belt Development	9.	Solid Waste Management	10.	Disaster Management Plan	11.	Environmental studies/ monitoring programme	12.	Resettlement & Rehabilitation (Under B-Land)
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7.	Break -up of the Project area (land details)	Category	As per DPR (in Hectares)	As per Actual (in Hectares)																																							
	a) Submergence area (forest & non-forest)	Forest	-	-																																							
		Government	50	9.641																																							
		Private	25	41.352																																							
	Sub-total for (a)		75	50.993																																							
	b) Others	Forest	-	-																																							
		Government	73	44.537																																							
		Private	58	82.695																																							
	Subtotal for (b)		131	127.232																																							
	<b>Grand total (a)+(b)</b>		<b>206</b>	<b>178.225</b>																																							
8.	Break-up of the Project affected families with enumeration of those losing houses / dwelling units only, agricultural land only, both dwelling units and agricultural land and landless labourers / artisans.	<p><b>Note: -The Revenue Department J&amp;K has furnished the revised land Oustees data is as under:</b></p> <table border="1"> <thead> <tr> <th>S.No.</th> <th>Category</th> <th>No. of families</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Houseless Grant + Transportation Grant</td> <td>173</td> </tr> <tr> <td>2</td> <td>Land Less Grant</td> <td>79</td> </tr> <tr> <td>3</td> <td>Eligible Persons family Grant</td> <td></td> </tr> <tr> <td></td> <td>a). Families left with &lt; 50% land</td> <td>56</td> </tr> <tr> <td></td> <td>b). Families left with &gt; 50% land</td> <td>265</td> </tr> <tr> <td></td> <td><b>Sub Total (2+3)</b></td> <td><b>400</b></td> </tr> <tr> <td></td> <td>Eligible Persons family Grant</td> <td></td> </tr> <tr> <td></td> <td>Families left with &gt; 50% land</td> <td></td> </tr> <tr> <td></td> <td>State land</td> <td>34</td> </tr> <tr> <td></td> <td>Custodian land</td> <td>87</td> </tr> <tr> <td></td> <td><b>Sub total</b></td> <td><b>121</b></td> </tr> <tr> <td></td> <td><b>Grand Total</b></td> <td><b>521</b></td> </tr> </tbody> </table>			S.No.	Category	No. of families	1	Houseless Grant + Transportation Grant	173	2	Land Less Grant	79	3	Eligible Persons family Grant			a). Families left with < 50% land	56		b). Families left with > 50% land	265		<b>Sub Total (2+3)</b>	<b>400</b>		Eligible Persons family Grant			Families left with > 50% land			State land	34		Custodian land	87		<b>Sub total</b>	<b>121</b>		<b>Grand Total</b>	<b>521</b>
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a) SC /ST /Adivasis	a) 2 families (14 persons)																																										
b) Others	b) 129 families (857 persons)																																										

9.	<p>Financial details</p> <p>a) Project cost as originally planned and subsequent revised estimates and the years of price reference</p> <p>b) Allocations made for environmental management plans.</p> <p>c) Actual expenditure incurred on the Project so far.</p> <p>d) Actual expenditure incurred on the environmental management plans so far.</p>	<p>a) Rs. 2080.82 Crore including IDC of Rs.279.86 Crore at September 2011 PL.</p> <p>b) Rs.24.19 Crore (excluding R&amp;R)</p> <p>c) Rs. 2063.11 Crore till March 14 (Reduced due to Recovery from Contractor)</p> <p>d) Till March – 2014 is as below</p> <table border="1" data-bbox="792 535 1521 1432"> <thead> <tr> <th>S.No</th> <th>EMP</th> <th>Expenditure incurred (Rs.in lakh)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Catchment Area treatment</td> <td>1138.00</td> </tr> <tr> <td>2.</td> <td>Biodiversity Conservation</td> <td>50.00</td> </tr> <tr> <td>3.</td> <td>Fisheries Development</td> <td>100.00</td> </tr> <tr> <td>4.</td> <td>Health Care</td> <td>164.69*</td> </tr> <tr> <td>5.</td> <td>Energy Conservation</td> <td>488.77*</td> </tr> <tr> <td>6.</td> <td>Muck Disposal</td> <td>319.16*</td> </tr> <tr> <td>7.</td> <td>Restoration of borrow, construction areas</td> <td>100.00</td> </tr> <tr> <td>8.</td> <td>Green Belt Development</td> <td>75.00</td> </tr> <tr> <td>9.</td> <td>Solid Waste Management</td> <td>156.11</td> </tr> <tr> <td>10.</td> <td>Disaster Management Plan</td> <td>0</td> </tr> <tr> <td>11.</td> <td>Environmental studies/ monitoring programme</td> <td>261.90</td> </tr> <tr> <td>12.</td> <td>Resettlement &amp; Rehabilitation</td> <td>375.00</td> </tr> <tr> <td colspan="2" style="text-align: right;"><b>Total</b></td> <td><b>3228.63</b></td> </tr> </tbody> </table> <p>* Includes expenditure incurred by Major contractor.</p>	S.No	EMP	Expenditure incurred (Rs.in lakh)	1.	Catchment Area treatment	1138.00	2.	Biodiversity Conservation	50.00	3.	Fisheries Development	100.00	4.	Health Care	164.69*	5.	Energy Conservation	488.77*	6.	Muck Disposal	319.16*	7.	Restoration of borrow, construction areas	100.00	8.	Green Belt Development	75.00	9.	Solid Waste Management	156.11	10.	Disaster Management Plan	0	11.	Environmental studies/ monitoring programme	261.90	12.	Resettlement & Rehabilitation	375.00	<b>Total</b>		<b>3228.63</b>
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10.	<p>Forest Land requirements</p> <p>a) Status of approval for diversion of forest land for non -forestry use</p> <p>b) The status of clear felling in forest land</p>	<p>a) No forest land is required for the project, NOC in this regard issued by State Government vide letter dated 29.07.2003.</p> <p>b) Not Applicable</p>																																										
11	<p>Status of construction</p> <p>a) Date of commencement (Actual and / or planned)</p> <p>b) Date of completion (actual and / or</p>	<p>a) September 2005 (Actual)</p> <p>b) March 2014</p>																																										



**Status of Compliance of conditions stipulated by MoEF, Govt. of India in Environment Clearance letter No.J-2011/14/2004-IA-I dated 13/8/2004 for the period ending March 2014.**

**Part A: Specific Conditions**

- (i) *Project Authorities shall implement the Biodiversity Conservation Plan through the State Authorities for which a sum of Rs.50.92 lakh has been earmarked. The Plan will suggest measures for in-situ conservation of floristic and faunastic diversity in two areas namely Boniyar Nalla sub-watershed and Salamabad sub-watershed.*

**Compliance:** Biodiversity conservation plan has been implemented through the State Government. An expenditure of Rs. 50.00 lakh has been incurred under biodiversity Conservation Plan.

- (ii) *A representative from the affected families shall be included in the project Environment Monitoring Committee.*

**Compliance:** This has been complied with.

- (iii) *Catchment area treatment plan as has been proposed should be completed in 6 years. The treatment will include various biological and engineering measures.*

**Compliance:** - J&K Forest Deptt. is the executing agency for CAT works. An amount of Rs.1113.92 lakh has been earmarked for its implementation. Till date expenditure detail of Rs.1126.34 lakh has been submitted by the J&K Forest Department.

**a) Afforestation:**

A budget of Rs.1.95 crores has been submitted by the J&K Forest Department for afforestation of 1525 ha land, under CAT plan. Plantation works have been carried out in five sub-watersheds i.e. Hapathkhai (Buniyar) Nalla, Islamabad (Gujjar) Nalla, Maidan (Kallas) Nalla, Hajipeer (Namla Nalla, Uri and Salamabad (Jabla) Nalla, Isham Chakra and Dardkot over an area of 1426 ha.

**b) Nursery / Infrastructure Development:**

Project Nursery has been developed over 2.5 ha in Compartment No. 58 Haptkai (Boniyar) & 2.5 ha at Khadinyar, Baramulla for production of plant saplings for Afforestation. About 2.50 lacs plants of various species of Conifer/ Rubinia/ Apple/ Keekar/ HC Nut etc. have been raised for plantation in degraded areas.

**C) Plant Distribution:**

About 4,000 fruit bearing plants were distributed among project beneficiaries against which an expenditure of Rs.1.00 lakhs has been incurred till date.

**d) DRSM Works**

DRSM works have been carried out in six sub-watersheds namely Hapatkhai (Buniyar) Nalla, Islamabad (Gujjar) Nalla, Maidan (Kallas) Nalla, Hajipeer (Namla) Nalla, Salamabad (Jabla) Nalla and Parthi (Rewand) Nalla. Construction of concrete check dams has been carried out in Salamabad Nalla. No works are carried during the period.

**e). Mesh Wire Crates**

Mesh wire crate works have been carried out in five sub-watersheds namely Hapatkhai (Buniyar) Nalla, Islamabad (Gujjar) Nalla, Maidan (Kallas) Nalla, Hajieer (Nambala) Nalla and Salamabad (Jabla) Nalla. No works are carried during the period.

**f). Earthen Bag Check Dams (EBCD)**

No major works are executed during the period on Earthen Bag Check Dams (EBCD) hence the expenditure incurred remains same. Earthen bag check dams were constructed in the Haptkai (Buniyar) Nalla, Salamabad Nalla, Haji Pir & Islamabad Nalla sub-watersheds. No works are carried during the period.

**g). Brush Wood Check Dams**

No major works are executed during the period on Brush Wood Check Dams hence the expenditure incurred remains same. About 1044 No. Brush wood check dams have been constructed in Hapatkhai, Salamabad, Islamabad, sub-watershed and Nambala, Dardkot & Uri (Salamabad) Nalla Sub Water Shed.

**h). Barbed wire fencing**

No major works are executed during the period on Barbed wire fencing hence the expenditure incurred remains same Barbed wire fencing has been done in five sub-watersheds namely Hapatkhai (Buniyar) Nalla, Islamabad (Gujjar) Nalla, Maidan (Kallas) Nalla, Hajipeer (Namla) Nalla and Salamabad (Jabla) Nalla. About 1500.00 ha area has been covered/ fenced till date. No works are carried during the period, expenditure incurred remains same.

**i) Catch water drains**

Catch water drains have been constructed in six sub-watersheds namely Hapatkhai (Buniyar) Nalla, Islamabad (Gujjar) Nalla, Maidan (Kallas) Nalla, Hajipeer (Namla) Nalla, Salamabad (Jabla) Nalla and Parthi (Rewand) Nalla. About 4822 Rmt lengths of catch water drains have been constructed till date. No works are carried during the period, expenditure incurred remains same.

**j) Fodder plantations**

Plantation of Fodder plantations over an area of 16,320 ha have been planted till date. No works are carried during the period, expenditure incurred remains same.

**k). Contour Veg. Hedge:**

Contour Vegetative Hedges works have been constructed in Salamabad, Maidani Sub Water Sheds.

**l). Overhead & miscellaneous Charges:**

The department has engaged people for Watch & Ward to tackle an area of 1500 ha fenced area.

**Part B: General Conditions**

- (iv) *Clearance of NCSDP of Central Water Commission should be obtained for earthquake parameters. Seismic stations shall be installed to record and monitor seismic forces before impounding and maintained and monitored during and after impounding.*

**Compliance:** Clearance has been obtained from NCSDP of Central Water Commission for earthquake parameters. The accelorographs have been installed at Dam site.

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

**Compliance:** An expenditure of Rs.472.79 lakh has been incurred by the major contractor till date for supply of free fuel to labourers as detailed below: -

- i. Supply of LPG- Rs.104.94 lakh.
- ii. Supply of HSD for DG sets- Rs.367.85 lakh

In addition to above project has distributed 475 free LPG connections to the land oustees under Energy Conservation Measures.

- (vi) *Fuel depot may be opened at site to provide the fuel (kerosene/LPG). Medical facilities as well as recreational facilities should be provided to labourers.*

**Compliance:** Fuel depot in the vicinity of the project is used to obtain fuel. The facilities of project dispensary are also being extended to the project labourers and locals. The contractor has incurred an expenditure of Rs.162.06 lakh for Medical Examination of labourers/workers up to March 2014.

- (vii) *Restoration of construction area including dumping site of excavated materials should be ensured by leveling, filling up of borrow areas, landscaping etc. The area should be afforested by suitable plantation.*

**Compliance:** The excavation works in the project are complete. Muck has been dumped at designated dumping sites and wire crates and gabion have been provided for

stabilization of muck dumping slopes. An expenditure of Rs.269.60 Lakh has been incurred for stabilization of muck with gabions.

The project has handed over the S-4 dumping site to Forest department for restoration. The forest department has submitted a proposal of Rs.82.00 Lakh against which an amount of Rs.50.00 Lakh has been released by the project for taking up the work. The forest department has taken up the restoration, construction of fencing & boundary wall and plantation works. No works are carried during the period, expenditure incurred remains same.

- (viii) *A multidisciplinary committee should be constituted with representative from various disciplines of forestry, ecology, wildlife, soil conservation, NGO etc. to oversee the effective implementation of suggested environmental safeguards.*

**Compliance:** A multidisciplinary committee has been constituted vide office order No.NH/Uri-II/CE/2006/06 dated 06.05.06 and so far conducted five site visits followed by meetings.

- (ix) *Financial provision should be made in the total budget of the project for implementation of the above suggested safeguard measures.*

**Compliance:** Necessary provision has been kept in the DPR and accordingly expenditure is being incurred.

- (x) *Six monthly progress report be submitted to the Ministry and its Regional Office, Chandigarh for review.*

**Compliance:** Necessary compliance is being done.

## **Environmental & Other Safeguard Measures**

### **1. Resettlement & Rehabilitation:**

The Govt. of J&K has accorded the approval for R&R plan for Rs.149 lakh and against this an amount of Rs.100 lakh has been deposited with the Collector Land Acquisition for further disbursement. CLA has disbursed Rs. 80.08 Lacs for houseless grant @ ` 80,000 and transportation grant @ 8000/- to 91 No. PAFs falling under houseless category.

Due to increase in acquisition of private land the number of PAFs is 521. The list of land oustees whose 100%, more than 50% or less than 50% land has been acquired, and who are eligible to receive R&R grant has been received from the Revenue authorities and the payment is under process.

The Dy. Commissioner has also conveyed the approval for the same. Based on the demand of Collector Land Acquisition an amount of Rs. 3.75 Crore deposited with the Collector. An amount of Rs.204.40 Lakh has been disbursed to 475 Land Ousteers. Further, House Less Grant amounting to Rs.80.08 Lakh had been disbursed to 91 persons. Total expenditure till March, 2014 under R&R Plan is Rs.284.48 Lakh.



## **2. Fisheries Development:**

The project has disbursed Rs.100.00 lakh with Commissioner Secretary, Forests & Fisheries to start the plan. The project has also handed over the land for the Fish farm to the Fisheries department and also provided a small house for establishment of Office at the site. The entire area has been surveyed and plotted & drawings have been provided to the Fisheries department for planning/taking up of the work. Progress report for an amount of Rs. 50.00 lakh has been received till date.

## **3. Sewage & Solid waste disposal**

For sewage disposal, septic tanks with soak pits have been provided in all the colonies. Dustbins have been provided in colonies / camps, and, for collection and safe disposal of solid waste. The seepage water from tunnel and work sites is treated through sedimentation tanks before disposal. Biomedical and food waste are disposed safely in separate pits constructed for this purpose. Till date the contractor has incurred expenditure of Rs.156.11 lakh for this purpose.

## **4. Blasting Operation/Ventilation:**

The project has been commissioned. Contractor had incurred an expenditure of Rs.0.81 lakh on air sampling reports (noxious gases) and providing of warning signboards etc. at blasting sites. The project has also carried Water Sampling in and around the project area with J&K SPCB an amount of Rs. 0.27 Lakh has been incurred. Total expenditure incurred amounting to Rs 1.08 lakh till date.

## **5. Green Belt Development :**

Work of Rim Reservoir Treatment & Creation of Green belt around the Reservoir is being done by Soil Conservation Department. It had submitted the proposal for Rs. 125.00 Lakh, & the proposal was approved for Rs. 96.96 lakh, by the project. The civil works & plantation works have been completed and fencing works are under progress. Rs. 75.00 Lakh have been released till date.

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