



सत्यमेव जयते

भारत सरकार

पर्यावरण एवं वन मंत्रालय

GOVERNMENT OF INDIA

MINISTRY OF ENVIRONMENT AND FORESTS



जहाँ है हरियाली ।
वहाँ है खुशहाली ।।

दूरभाष :

Telephone No. : (0172) 2638061

Fax No. : (0172) 2638135

उत्तर क्षेत्रीय कार्यालय

बेड़ा नं० 24-25,

सेक्टर-31 ए, चण्डीगढ़ 160030

Northern Regional Office,

Bays No. 24 & 25, Sector 31-A,

Dakshin Marg, Chandigarh-160 030

F.No. 7-47/2001-RO(NZ)

Dated: 17/01/2014

सेवा में,

The Chief Engineer(Civil)

NHPC Office Complex

Ward No.5, near Hospital

Bandipora, Distt. Bandipora

Jammu & Kashmir--- 193502

Sub : Kishanganga Hydroelectric Project (330 MW) by NHPC Ltd.- Site inspection regarding.

Ref : MoEF's letter No.J-12011/36/2003-IA-I dated 9th March, 2006.

महोदय,

उपर्युक्त विषय में उल्लेखित परियोजना का निरीक्षण दिनांक 11th December, 2013 को किया गया। स्थल निरीक्षण के दौरान सभी प्रेक्षकों तथा परियोजना अधिकारियों से चर्चा के बाद अध्यक्षताक्षरी द्वारा एक नॉन-कम्प्लायंस पत्र तैयार किया गया है जिसमें आपको विभिन्न बिन्दुओं पर कार्रवाई के लिए कहा गया है।

आपसे अनुरोध है कि संलग्न पत्र के अनुसार सभी बिन्दुओं पर कार्रवाई करके कार्रवाई रिपोर्ट अति शीघ्र प्रस्तुत करने की कृपा करें।

भवदीय,

(सुरेन्द्र कुमार)

निदेशक (एस)

Tel. No.(0172)-2638994

Email:sk581@yahoo.com

संलग्नक:

Copy to:-

1. **The Director(S), Monitoring Cell, Ministry of Environment & Forests, Paryavaran Bhawan, Lodhi Road, CGO Complex, New Delhi-110003 for information and further necessary action.**
2. **Dr.Shahid Ali Khan, Chief(Environment), National Hydroelectric Power Corporation, NHPC Office Complex, Sector-33, FARIDABAD-121003 (HARYANA) for information and further necessary action.**

(सुरेन्द्र कुमार)
निदेशक(एस)

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F.No. 7-47/2001-RO(NZ)

14191-4192

Dated: 17/01/2014

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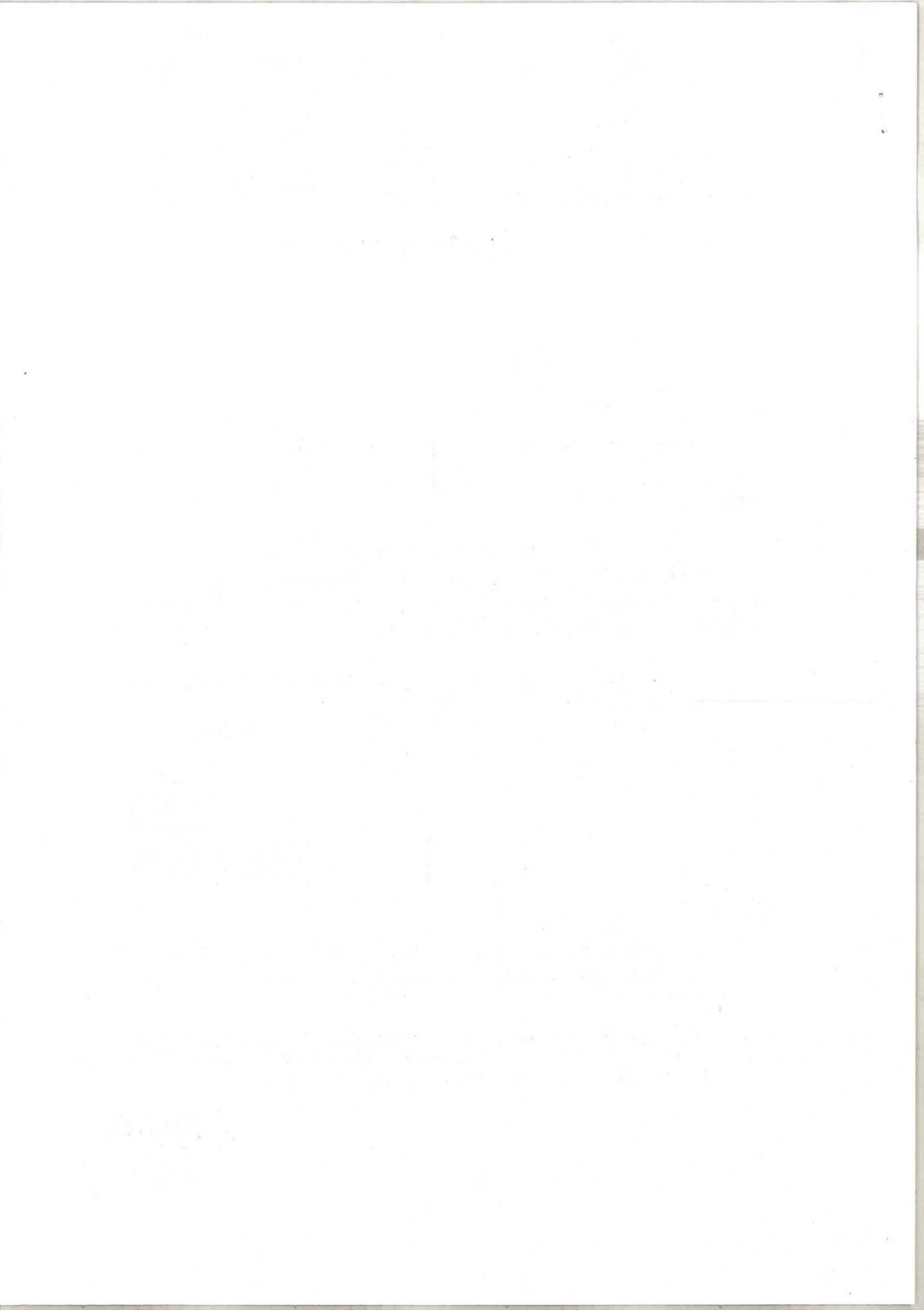
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No. No.7-47/2001-RO (NZ)

Dated: 17.01.2014

To

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Ward No.5, near Hospital

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Jammu & Kashmir--- 193502

Sub : Kishanganga Hydroelectric Project (330 MW) by NHPC Ltd.- Site inspection regarding.

Ref : MoEF's letter No.J-12011/36/2003-IA-I dated 9th March, 2006.

Sir,

On the basis of **site inspection** of above cited project by the undersigned on 11th December, 2013, point wise discussions with project executing authorities and subsequent information submitted so far, a **comprehensive monitoring report is being submitted to Ministry** for further necessary action and following **comments and observations are forwarded to you for necessary action at your end.** Accordingly, information and 'action taken report' on the following points may be submitted to this office urgently:-

taken report on the following points may be submitted to this office urgently:-								
1.	The matter may be pursued with the local forest deptt. to get the CAT Plan implementation completed in time and physical and financial progress of CAT works may be submitted regularly to this office in the following proforma:-							
S.N.	Funds released by the Project authorities till date.	Funds spent by the forest deptt. till date.	Details of Engineering Works done till date.	Area covered by plantation and no. of plants planted.				
2.	You are requested to take necessary action on the following points also and submit an 'Action taken report' to this office:- <table border="1"><tr><td>a)</td><td>CAT Plan implementation should be completed before the commissioning of the project so that the benefits of CAT works could reach to the project during generation of power.</td></tr><tr><td>b)</td><td>Major changes in physical and financial outlay of the CAT Plan should be done with the consent of the Ministry of Environment and Forests.</td></tr></table>				a)	CAT Plan implementation should be completed before the commissioning of the project so that the benefits of CAT works could reach to the project during generation of power.	b)	Major changes in physical and financial outlay of the CAT Plan should be done with the consent of the Ministry of Environment and Forests.
a)	CAT Plan implementation should be completed before the commissioning of the project so that the benefits of CAT works could reach to the project during generation of power.							
b)	Major changes in physical and financial outlay of the CAT Plan should be done with the consent of the Ministry of Environment and Forests.							
3.	The muck dumping at the muck dump site at TBM site should be stopped immediately. The angle of repose of the muck dump appears to be more than 70°. Hence immediate engineering as well as required biological measures should be taken to restore it.							
4.	Physical and financial progress about CSR and eco-development activities being run by the Company should be updated from time to time.							
5.	Uploading of six monthly progress report and monitoring reports on the web site of the Company is to be ensured.							
6.	Latest monitoring reports in respect of Ambient Air Quality, Noise Level, Ground Water Quality, Bio-chemical Oxygen Demand (BOD) and Coliform count of surface water etc. on regular basis.							
7.	Uptodate details about the quantum of crate works/ wire crate works/breast walls etc. at different dumping sites along with expenditure figures till date.							
8.	Uptodate figures for allocation of funds for different environment management plans along with utilization of funds.							

9.	The information about no. of labourers engaged by different contractors, quantity of free fuel supplied and expenditure incurred in the following proforma for the period from October, 2013 onward with next six monthly progress report:-			
	Year/Period	No. of labourers engaged contract-wise	Quantum of free fuel supplied or subsidy provided	Financial expenditure incurred (in Rs.)
10.	The information about no. of labourers medically checked up by different contractors, expenditure incurred on medicines and other medical facilities in the following proforma since October, 2013 onward with next six monthly progress report:-			
	Year/Period	No. of labourers medically checked up contract-wise	Expenditure incurred on providing medicines (in Rs.)	Expenditure incurred on providing other facilities (in Rs.)
11.	The information about restoration aspects in following proforma from the date of starting the project till date:-			
	Name, location and capacity of all approved dumping sites	Material excavated till date in cubic meters	Material re-utilized till date in cubic meters	Material dumped at different dumping sites till date in cubic meters
12.	Uptodate physical and financial progress about Fisheries development.			
13.	Action may be taken on all the points discussed in the 3rd meeting of Multi Disciplinary Committee held on 11.12.2013 and action taken report may be submitted.			
14.	All the contractors should be instructed to collect the Pollution under check Certificates (PUC's) in respect of their vehicles including dumpers & Loaders and submit to this office for record.			
15.	Periodical reports in Form-3, 4 & 13 to J & K SPCB as per Hazardous Waste (M, H & T) Rules, 2008. Action taken or proposed to be taken in this regard may be submitted to this office.			
16.	Physical and financial progress about implementation of R & R scheme may be updated with next six monthly progress report.			
17.	Regular submission of six monthly progress report in soft and hard copy may be ensured in 1st week of June & December as the same will be displayed on the Web site of the Ministry of Environment & Forests. Next six monthly progress report is due in 1st week of June, 2014.			

An early reply and 'Action taken Report' is requested.

Yours faithfully,



(Surendra Kumar)
Director(S)

Tel. No.(0172)-2638994

Email:sk581@yahoo.com

Copy to :-

1. **The Director(S)**, Monitoring Cell, Ministry of Environment & Forests, Paryavaran Bhawan, Lodhi Road, CGO Complex, New Delhi-110003 for information and further necessary action.
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Dated: 17/01/2014

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The Director(S), Monitoring Cell

पर्यावरण एवं वन मंत्रालय

पर्यावरण भवन, सी.जी.ओ. काम्प्लेक्स

लोदी रोड़, नई दिल्ली।

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भवदीय,

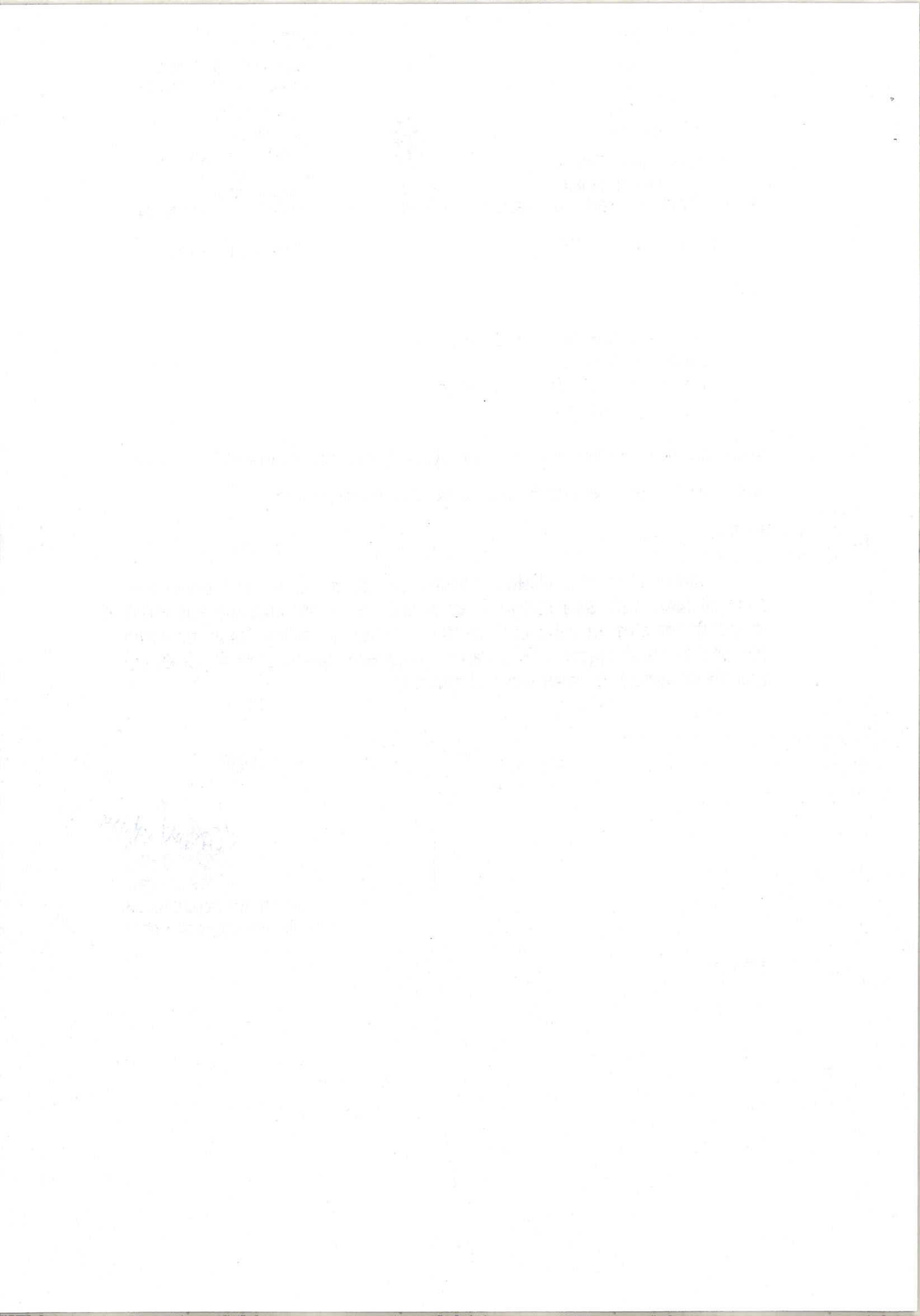

(सुरेन्द्र कुमार)

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Tel. No.(0172)-2638994

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संलग्नक:





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Dated : 17/01/2014

To

The Director(S), Monitoring Cell
Ministry of Environment and Forests
Paryavaran Bhawan, CGO Complex
Lodhi Road, New Delhi 110 003

Sub : Kishanganga Hydroelectric Project (330 MW) by NHPC Ltd.- Site inspection regarding.

Ref : MoEF's letter No.J-12011/36/2003-IA-I dated 9th March, 2006.

Sir,

Please find enclosed herewith site inspection report of above cited Project which was monitored by the undersigned on 11th December, 2013. The salient features of non compliance of few environmental safeguards in brief are given below:-

1.	Latest monitoring reports in respect of ambient air quality, noise levels, water quality at project working sites and silt rate in the Kishanganga river and other khads augmenting the water to this river are yet to be submitted.
2.	Benefit cost ratio of the project with internal rate of return for the year 2013-2014 & 2014-2015 is yet to be submitted.
3.	CAT Plan implementation and implementation of Compensatory afforestation scheme are very slow.
4.	Uploading of six monthly progress report and monitoring reports on the web site of the Company is yet to be ensured.

Recommendations for action keeping in view the nature and extent of violation in reference to Ministry's D.O. letter No.J-11014/267/2007-IA.II dated 25.06.2007.

S.No.	Nature and extent of violation	Further course of action recommended
1.	No violation detected	----
2.	Minor violations (not serious in nature) detected.	As regards implementation of environmental safeguards laid down in MoEF's clearance letter, the progress of implementation of a few conditions is very slow. Hence, a non-compliance/suggestive letter is being written to rectify/improve them and submit 'An action taken report'
3.	Significant violations detected.	NA
4.	Serious violations detected.	NA

This is for your information and necessary action please.

Yours faithfully,

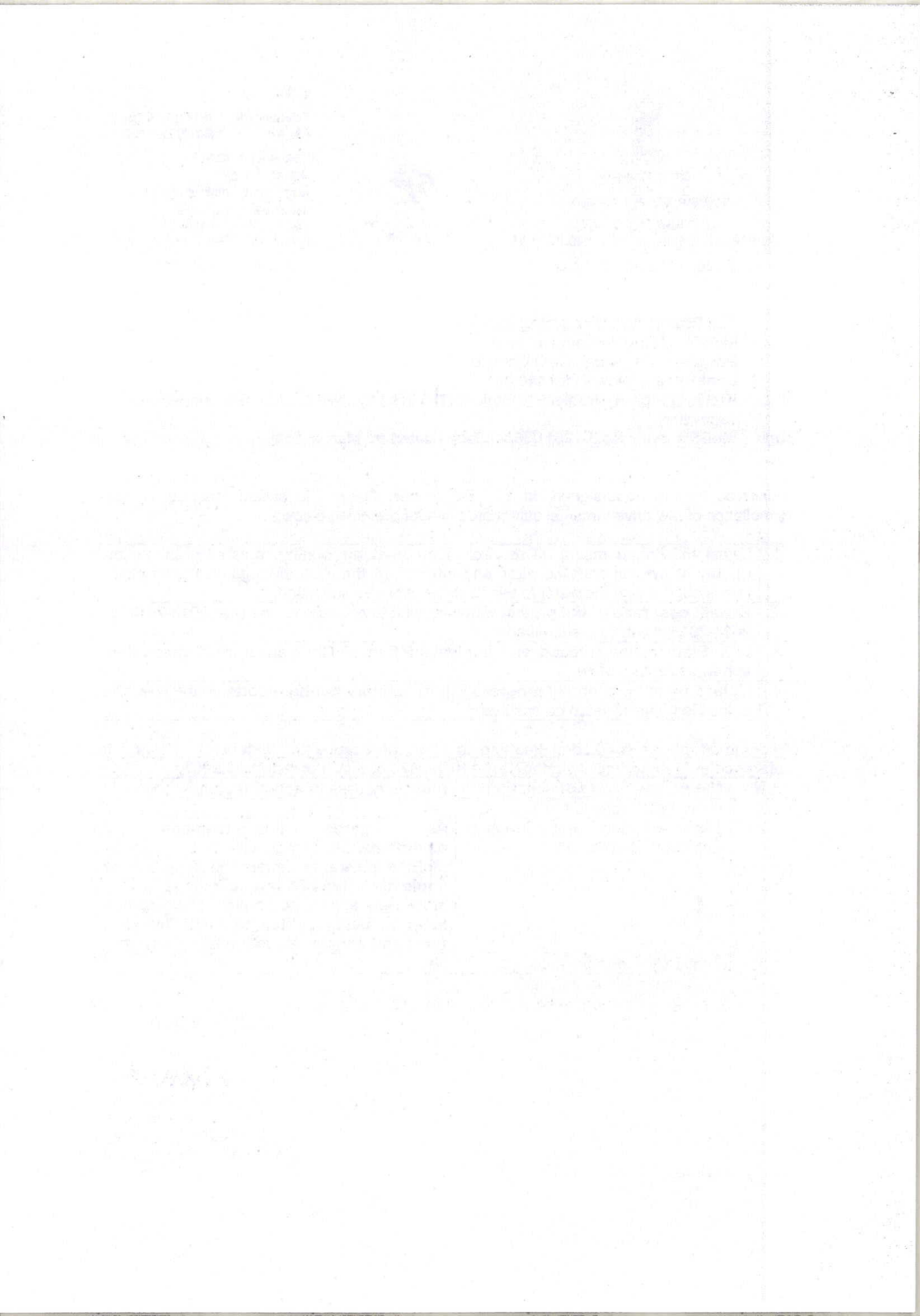
(Surendra Kumar)

Director(S)

Tel. No. (0172)-2638994

E Mail:sk581@yahoo.com

Encl. as above:



Ministry of Environment & Forests
Northern Regional Office
Chandigarh
DATA SHEET

1.	Project Type:		Hydroelectric Project	
2.	Name of the Project:		Kishanganga Hydroelectric Project (330 MW), J&K	
3.	Clearance letter (s)/ O.M No. & dates:		No.J.12011/36/2003-IA-I dated 09.03.2006.	
4.	Location: a) District (s) b) State (s) c) Latitudes/longitudes		Baramulla Jammu & Kashmir 34° 39' 00" N / 74° 45' 08" (Dam site) 34° 28' 17" N / 74° 38' 28" (Power house site)	
5.	Address for correspondence: a) Address of Concerned Project Chief Engineer (with Pin Code/ Tel No./Telex/Fax No./ E. Mail address)		General Manager, Kishanganga HE Project, NHPC Ltd. Village- Karalpura, Tehsil & Distt.-Bandipora, J&K - 193 502. Tele: 01957-225008; Fax: 01957-225011 Executive Director (Planning), Corporate Planning Division, NHPC Office Complex, Sector-33, Faridabad-121 003 Tel / Fax: 0129-2271425 E Mail:kgnhpce@yahoo.co.in	
6.	Salient features:			
	a)	of the project	Dam Type	Concrete faced Rock Fill Dam.
			Height	37 meter(above deepest river level)
			Reservoir	FRL: El 2390 m MDDL: 2384.50 meter Gross Storage upto FRL: 18.35 m. cum Dead storage capacity: 10.80 m. cum Live Storage capacity: 7.55 m.cum
			HRT :	5.3 m/5.44 m dia, horse shoe shaped, 24 km. in length
			Surge shaft:	100 meter in height, 15 meter in dia.
			Power House	Underground with 3 units of 110 MW each.

	b)	of the environmental management plans	S. No.	EMP	Cost (Rs. in lacs)	
			1.	Catchment Area Treatment	679.94	
			2.	Biodiversity Conservation	102.06	
			3.	Fisheries Development	57.33	
			4.	Public Health Delivery System	186.27	
			5.	Solid Waste Management	91.40	
			6.	Energy conservation measures	63.79	
			7.	Relocation and Rehabilitation of Dumping sites	1770.66	
			8.	Landscaping and Restoration of construction areas.	191.37	
			9.	Green belt development	58.69	
			10.	Disaster Management Plan	154.12	
			11.	Compensatory afforestation	95.69	
			12.	Compensation for forest land	327.58	
			13.	NPV for forest land	1198.23	
			14.	Resettlement and Rehabilitation	25375	
			15.	Total	30352	
7.	Break up of the project area					
	a)	Submergence area: Forest land Private Land	1.	Submergence area (in hectare)		
			(i)	Forest land	70.00	
			(ii)	Non Forest land	214.05	
			(A)	Sub Total	284.05	
			2.	Others		
			(i)	Forest land	55.00	
			(ii)	Non Forest land	40.02	
			(B)	Sub Total	95.02	
				Grand Total	379.07 ha	
			8.	Break up of project affected population with enumeration of those losing houses /dwelling units only, agricultural land only both dwelling units and agricultural land and landless labourers/artisans.		Details are submitted hereunder:-
Details of Project Affected Families (PAFs):						
Location		Categories				
		Families losing house & land				Families losing house
Powerhouse area: Chak & Kralpora	05	-				160
Dam area villages: Badwan , Wampora, Khandiyal, Khapuri	130	50				262
		Sub-total	135	50	422	
		Total no. of PAFs*	607			

	a) SC/ST/Adivasis b) Others	<p>Category-wise classification:</p> <table><tr><th>Location</th><th>Gen.</th><th>S C</th><th>ST</th><th>OBC</th><th>RBA</th><th>Total</th></tr><tr><td>Power house</td><td>114</td><td>2</td><td>47</td><td>01</td><td>01</td><td>165</td></tr><tr><td>Dam area</td><td></td><td></td><td>442</td><td></td><td></td><td>442</td></tr></table> <p>(RBA- Reserved Backward Area)</p> <p>Note: * Figures have been compiled from data submitted by Collectorate Land Acquisition, Bandipora. Figures are tentative. Committee has been formulated by D.C. Bandipora for finalisation of PAFs under various categories.</p>	Location	Gen.	S C	ST	OBC	RBA	Total	Power house	114	2	47	01	01	165	Dam area			442			442
Location	Gen.	S C	ST	OBC	RBA	Total																	
Power house	114	2	47	01	01	165																	
Dam area			442			442																	
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. c) Benefit cost ratio/Internal Rate of Return and the year of assessment. d) Whether (c) includes the cost of environmental management as shown in b) above. e) Actual expenditure incurred on the project so far. f) Actual expenditure incurred on the environmental management plans so far:	<p>Rs. 3642.04 crores at September, 2007 price level)</p> <p>Rs. 49.77 crores+ Rs.253.75 crores(Revised R & R Plan)=Rs.303.52 crore</p> <p>IRR at June, 2006 PI : 8.63 % IRR at Completion cost: 8.60 %</p> <p>Yes</p> <p>Rs. 2639.09 crores upto September, 2013</p> <p>Rs. 7523.93 lacs till September, 2013</p> <p>Rs.939 lacs against Rs.1198.23 lacs has been deposited with the State Forest Deptt for NPV of forest land and Rs.257 lacs has been deposited for CA.</p>																					
10.	Forest land requirement: a) the status of approval for diversion of forest land for non-forestry use. b) the status of clear felling. c) the status of compensatory afforestation, if any. d) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far.	<p>Forest clearance for 125 ha forest land has been accorded by Forest Department, Govt. of J&K, vide order No. 219-FST of 2008 dated 27-05-2008.</p> <p>Total trees involved: 11215 nos. Approval for clear felling – 1460nos. of trees + 842 nos. saplings Clear felling undertaken – 1082 nos. trees</p> <p>Rs.75 lacs have been spent by State Forest Deptt.</p> <p>Yet to be submitted.</p>																					

11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach road) if any, with quantitative information.	Approval for clear felling—1326 nos Clear felling undertaken—588 nos (Process for demarcating of left out trees/poles has been initiated).
12.	Status of construction: -	
	a) Date of commencement (actual and/or planned)	22.01.2009(Actual)
	b) Date of completion (actual and/or planned)	21.01.2016 (Planned)
13.	Reasons for the delay if the project is yet to start:	Not applicable.
14.	Dates of site visits a) Date of previous site visit b) Date of present site visit :	1.06.2011 & 16-17.11.2012 11.12.2013 <u>(A) From NHPC Ltd. and others:</u> A list is enclosed as Annexure-1. <u>(B) From MOEF, NRO, Chandigarh</u> Shri Surendra Kumar, Director, MoEF, NRO, Chandigarh

PART-II
STATUS OF COMPLIANCE
&
PART-III
DETAILED MONITORING REPORT

Kishanganga Hydro Electric Project (330 MW) project involves construction of 77 meters high concrete dam with a storage capacity of 220 m cum. The water of Jhelum river will be diverted through 21.66 Km. long head race tunnel on the left bank of the river and conveyed to an underground Powerhouse and finally discharged into a Nala before joining Wular Lake. The project is located in Gurej Valley. Total project cost is estimated to be Rs. 3642.04 crore out of which funds to the tune of **Rs.2809.64 crores have been spent till October, 2013.** The construction work at the project site was started on 22.01.2009 and the tentative date of completion of the project is 21.01.2016.

The construction status at different components is given below:-

A. Dam Area-Gurez:

- 95.5% excavation of Head Race Tunnel(HRT) by Drill Blast Method completed and concreting is in process.
- Excavation for Concrete Faced Rockfill Dam is completed along with excavation of spillway and construction of dam is in progress.
- Construction of cut-off wall is in progress.

B. Power House Area:

- 86% boring and lining of HRT by Tunnel Boring Machine(TBM) completed. Average progress achieved in last twelve months is 568 m/month. Highest progress of 816 meters was achieved in November, 2012.
- **Surge shaft:** Excavation is completed
- **Pressure shaft:** Excavation is in progress
- **Transformer hall:** Excavation is completed
- **Power House cavern:** Excavation of power house is completed and concreting work along with erection of electromechanical works are completed.
- **Tail Race Tunnel:** 86% excavation is completed.

The condition wise compliance status of all the conditions is given below:-

(A) Specific Conditions:

Condition No (i)	Only one village would now get affected. The exact number of families and population getting affected may be communicated to the Ministry after conducting a fresh socio-economic survey of the Project affected village. The affected families should be rehabilitated as per R & R Plan proposed in the EMP report. A Monitoring Committee should include a woman representative from the Project affected persons.	Partially complied
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There are in total 607 no. of project affected people as per details given below:-

Category	No. of families
(A) Dam Area	
Families losing houses and land	130
Families losing house	50
Families losing land	262
Sub-total	442
(B) Power House Area	
Families losing houses and land	05
Families losing house	--
Families losing land	160
Sub-total	165
Total no. of PAF's	607

It has been confirmed by the PA that the R&R plan prepared earlier by University of Kashmir, Srinagar with a financial implication of Rs 30.66 crores, has been revised to Rs 253.75 crores by the District Administration, Bandipora after series of meetings with various stakeholders and concerned MLAs. The same has been approved by Deputy Commissioner, Bandipora vide letter dated 03.09.2011. NHPC Board has also approved the revised R&R Plan costing Rs 253.75 crores. Funds released to District Administration, Bandipora under R&R plan and the progress achieved so far is given below:-

S. No.	Purpose	Amount released (Rs. in lakhs)	Remarks
1.	Development of water supply scheme for the villages adjoining the powerhouse area (Kralpora)	50	Water supply scheme completed by J&K PHE Dept.
2.	Acquisition of land for resettlement colony	4500	Amount deposited with DC, Bandipora
3.	Development of infrastructural works: a. Repair of HT/LT network in Distt. Bandipora b. Construction of Gynae/ maternity Hospital	823	a. Works have been started by J&K Power Development Dept. (Sumbal, Ganderbal & Bandipora) b. Works have been started by J&K PWD (Bandipora)
4	a. Development of infrastructure in terms of roads/ lanes/ drains/ parks/ street lights and revision of extension of PHE network etc. in and around Kralpora area. b. Development of sports stadium at Gurez c. Balance payment on account of PHE works already undertaken around Kralpora village <i>Subtotal:</i>	250 200 8.58 458.58	a. Works have been started by Different J&K State Govt. agencies. b. Amount deposited with DC, Bandipora c. Work has been started.
	Total	Rs. 5831.58 lakhs	

The project authorities have been asked to implement the R & R plan within one year period positively. **The PA has also been asked to constitute the Monitoring Committee as early as possible.**

<u>Condition No.(ii)</u>	<u>Catchment area treatment plan as has been proposed should be completed in 6 years. The treatment will include various biological and engineering measures as indicated in the Table.</u>	Being complied
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It is informed by the PA that an amount of **Rs. 679.94 lakhs** was earmarked for CAT Plan in the EMP report by NHPC Ltd. However, the CAT plan has been revised by the J&K State Forest Department with a financial implication of **Rs. 1024 lakhs**. The plan was discussed in the 2nd Multidisciplinary Environmental Monitoring Committee (EMC) meeting wherein the State Forest Deptt. had explained that the revision in the financial implication of plan is due to escalation in labour and item rates and there has been no revision in the physical targets as mentioned in the EMP report. The Project authorities have released the first installment of **Rs. 396 lakhs for two year plan**, in Oct. 2012. Administrative approval and technical Sanction of revised CAT plan has been accorded by Govt. of J&K. The Forest department has started execution of works in the Catchment area, **the details of the physical progress is submitted but a copy is yet to be sent to this office.** It is however, informed that **Rs.206 lacs** have been spent so far.

As the CAT Plan implementation is to be completed within a period of 6 years, the PA has been asked to follow up it sincerely and start compliance as early as

possible. The PA has been asked to obtain physical and financial progress of CAT Plan implementation and submit to this office from time to time.

Condition No.(iii)	<u>The Solatium for the Project affected families is increased from 15% to 30% in line with the government of India guidelines.</u>	Yet to comply
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A decision is yet to be taken on this aspect by the project authorities and the Revenue Authorities of J & K Govt.

Condition No.(iv)	<u>Once the Construction of dam is completed the downstream water flow will be reduced. To check mosquito breeding a minimum rate of flow of water at 60 cm/sec should be maintained. Specific measures to eradicate the Malaria/ Mosquito breeding will have to be made as a Part of this project.</u>	Assured to comply
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As the construction of Dam is not completed so far, action on this condition has not been started. However, the PA has assured to comply this condition in due course of time.

Condition No.(v)	<u>Project authority should take measures for the biodiversity conservation & Multiplication of endangered medicinal plants found in the project area have to be made as a Part of this project.</u>	Under compliance
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It is informed by the PA that an amount of **Rs. 102.06 lakhs** was earmarked for Biodiversity Conservation plan as per EMP. However, the plan has been revised by J&K State Wildlife Dept. with financial implication of **Rs. 200 lakhs**. The revised plan was discussed in the 2nd Multidisciplinary EMC meeting wherein the Committee had recommended for revision of cost and labour wages escalation to be incorporated in the revised plan. **Further, Wild Life Warden (also a member of EMC) was requested to submit the Annual Work Programme for two years, duly approved by NHPC, for releasing of funds from sanctioned cost. The said plan and Annual work plan is still awaited in spite of repeated reminders.** The PA has been asked to pursue the matter with Wildlife Wing of the State to get **Annual work plan soon to start its implementation.**

Condition No.(vi)	<u>Fishery development Plan as Proposed should be implemented in consultation with the state fishery Department.</u>	Being complied
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It is informed by the PA that an amount of **Rs. 57.33 lakhs** was earmarked for Fisheries Development Plan in the EMP report. An amount of **Rs. 25 lakhs** has already been released to Fisheries Deptt., Govt. of J&K in Jan. 2011 for works related to development of Fish farm at Gurez.

J&K State Fisheries Deptt. has submitted a revised plan for development of fisheries at Gurez / Bandipora with an estimated cost of about **Rs. 7.05 crores**. The revised plan was deliberated upon in the 2nd Multidisciplinary EMC meeting, wherein Jt.

Director, Fisheries Dept. has agreed to submit the revised plan. The revised plan was submitted with a total financial implication of **Rs. 630.78 lakhs**. Fisheries Dept. has submitted the **utilisation certificate for Rs. 25 lakhs** already released to Fishery Dept. The revised plan for Rs.630.78 is yet to be approved.

(A) General Conditions:

Condition No.(i) & (ii)	<u>Adequate free fuel supply to labour force.</u> <u>&</u> <u>Opening of fuel depot at project site, providing medical facilities and recreational facilities to labour force.</u>	Being complied
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M/s HCC is being engaged for civil works at the project site. It is observed that LPG cylinders are being provided to the labourers for cooking the food and there is no complaint for any tree felling or wood cutting for that purpose. **Around 1500 workers** are engaged on the work at the moment. Details of LPG cylinders supplied and expenditure incurred till September, 2013 is given below:-

Year / period	Quantity of LPG cylinders supplied	Expenditure incurred
From commencement of work till September, 2013	20615 nos.	Rs. 3.03 crores

It is observed that no fuel depots have been opened by the State Forest department as they were not required.

Condition No.(iii)	<u>Thorough examination of labourers by health personnel before issuing them work permit.</u>	Being complied
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It is gathered that presently civil contractors M/s H.C.C are engaged in construction works. The contractor has been conducting regular medical check up of the entire labour force. No contagious disease has been noticed in any labour so far. Three number of qualified medical doctors along with six number of qualified male nurses, ambulance room, emergency medicines/equipments and three ambulances are available at the project site by the engaged contractor.

Condition No.(iv)	<u>Restoration of construction area including dumping sites.</u>	Being complied
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It is informed that total tunnel length is 12 km which is being excavated with the help of Tunnel Boring Machine(TBM). Only 2.7 km. is still remaining. The dumping site near TBM site was visited and it was found that muck restoration is not proper. It has not been spread in correct proportion and the angle of repose appears to be more than 70°. Hence, the PA has been asked to take immediate engineering and biological measures to restore this site. PA has also been asked not to use this site for any further dumping.

The water loaded with silt from TBM site is now being treated in Treatment/Sedimentation Plants. The Plant has three chambers having collection tank,

sedimentation tank, carbon filter and sand filter. The final treated water is recycled back for use in TBM.

Dumping on all other dumping sites is almost finished. The PA has been asked to take engineering as well as biological measures to restore them within one year period and return to State Forest Departments. It was further suggested that the precautionary measures being undertaken at the Parbati – II / III Projects should be visited and the same should be implemented at site.

The PA has been asked to submit the information about the generation, dumping, utilization of muck and restoration measures being taken regularly.

<u>Condition No.(v)</u>	<u>Financial provision should be made in the total budget of the project for implementation of the above suggested safeguard measures.</u>	Being complied
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It is gathered that sufficient funds have been provided to implement the Environment Management Plans. The progress of implementation of EMP's and upto date expenditure till September, 2013 is given in the enclosure at **Annexure-2**.

<u>Condition No.(vi)</u>	<u>Constitution of multi-disciplinary committee to oversee the implementation of environmental safeguards.</u>	Being complied
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The Multi-Disciplinary Committee has been constituted and its 3rd meeting was held on 11.12.2013. A copy of the minutes of the meeting is yet to be received. The PA has been asked to hold the meeting of the Multi-Disciplinary Committee on regular basis.

<u>Condition No.(vii)</u>	<u>Submission of six monthly progress reports to the Regional Office of the Ministry.</u>	Being complied
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The project has been monitored on **11.12.2013** and regular submission of six monthly progress report is being ensured. The PA has been asked to submit six monthly progress report in 1st week of December and 1st week of June every year in soft and hard copies both as the report will be displayed on Web site of the Ministry of Environment & Forests in pursuance of the provisions of new EIA Notification no. 1533(E) dated 14th September, 2006 as amended from time to time.

<u>Condition No.(viii) & (ix)</u>	<u>Display of env. clearance letter by SPCB at regional office, district industry center and collector's office/tehsildar' office.</u> & <u>The env. clearance letter should be advertised in two local news papers by the project proponents.</u>	Complied
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The PA has informed that the environment clearance was duly advertised in the local newspapers. However, the copies of the same are yet to be submitted by the PA to this office for which they have been asked for.

Other activities:

1. Corporate Social Responsibility (CSR) activities:

- The Project has spent Rs.20.00 lacs during 2012-2013 for CSR activities which includes distribution of Scholarships, infrastructural development in the school & villages, medical camps and training for teachers etc.
- Rs.40.00 lacs have been earmarked for the year 2013-2014 for CSR activities. Two ambulances have been provided to District Hospital, Bandipora and Gurez.

2. Health & hygiene:

It is gathered that regular medical check ups are being conducted by the contractor for labor force engaged. Presently 1500 labourers are engaged at the project site. As reported by the Doctors engaged by the contractor, no contagious disease has been found in any labourer till date. Total expenditure of Rs.22.11 lacs has been spent on this account.

3. Solid Waste Disposal:

It is observed that the labour force engaged by the contractor have been accommodated at various Labour camps within the project area. Disposal of domestic waste is done in collaboration with the Bandipora Municipal Committee at the earmarked site, while the sewage system has been developed indigenously within the labour camps.

4. Monitoring of ambient air, water quality, noise levels and safety measures:

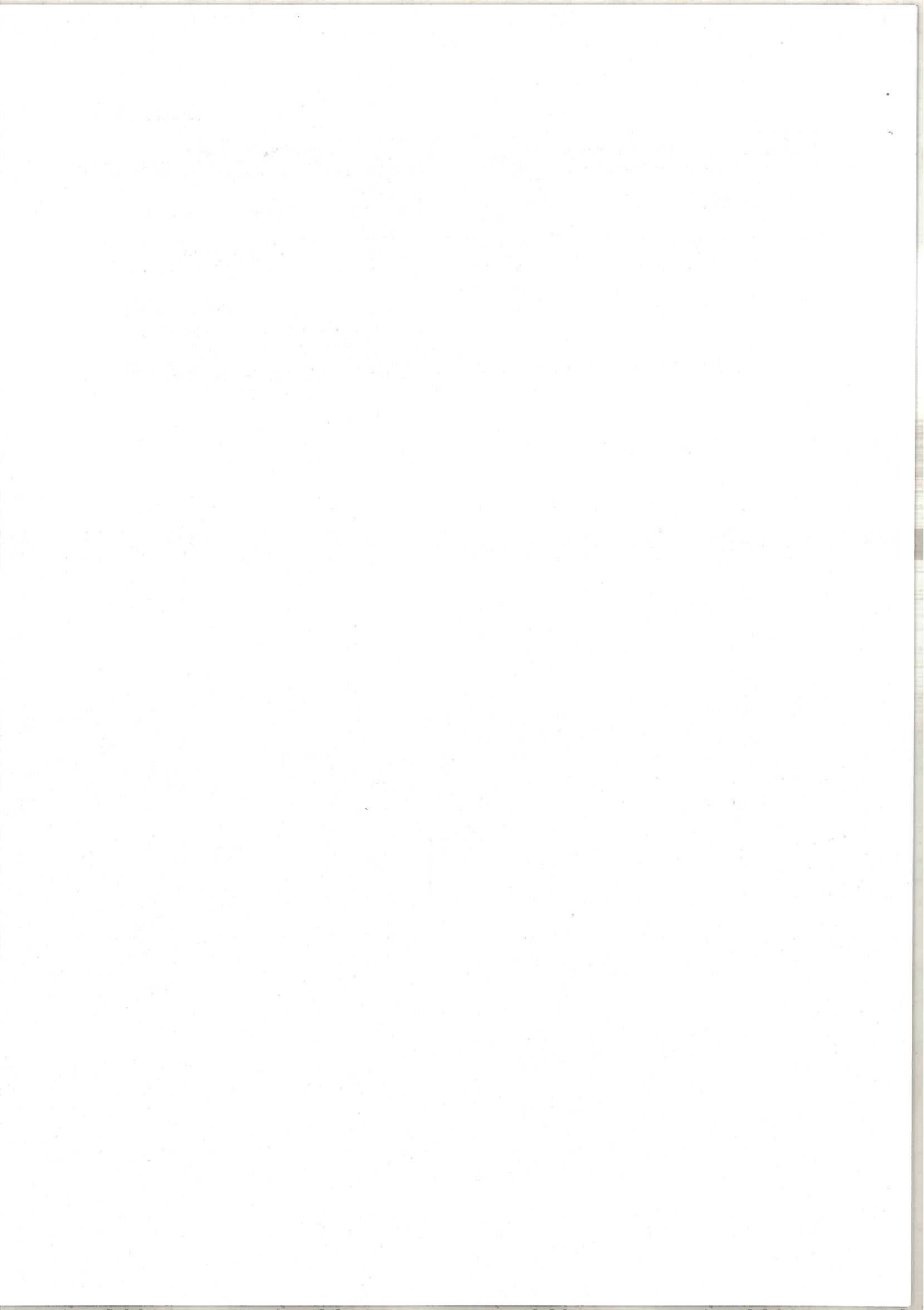
It is informed that the regular monitoring of the ambient air, water quality and noise levels at different project sites is entrusted to third party. The results of monitoring so far are within the limits of JKSPCB. Water sprinkling by water tankers is done on regular basis at various dust prone sites. Employees are provided with PPE's viz dust masks, helmets etc. at required places.


(Surendra Kumar)
Director(S)

Encl. as above:

Annexure-1:

S.N	Visiting Delegate/s		Designation & Add.
1.	Shri Surendra Kumar	Member	Director, MOEF, Northern Regional Office, Chandigarh
2.	Dr. Shahid Ali Khan	Member	Chief (Env.), NHPC Corporate Office, Faridabad
3.	Sh. Balbir Singh	Member	Chairman, NGO, SAVE, Srinagar
4.	Sh. Khalid Umar	Member Secretary	Chief Engineer (C), KGHEP, Bandipora.
5.	Sh .Manzoor Wani	Participant	Asst. Director cum Nodal Officer, NHPC Fisheries Projects, Deptt. of Fisheries, Govt. of J&K, Srinagar
6.	Sh. Manmeet S Chowdhary	Convener	Dy. Manager (Env.), KGHEP, Bandipora



Annexure-2

S. No.	EMP	Cost (Rs. in lacs)	Expenditure till October, 2013 (Rs. in lacs)
1.	Catchment Area Treatment	679.94	396.35
2.	Biodiversity Conservation	102.06	
3.	Fisheries Development	57.33	25.00
4.	Public Health Delivery System	186.27	
5.	Solid Waste Management	91.40	
6.	Energy conservation measures	63.79	
7.	Relocation and Rehabilitation of Dumping sites	1770.66	
8.	Landscaping and Restoration of construction areas.	191.37	
9.	Green belt development	58.69	
10.	Disaster Management Plan	154.12	
11.	Compensatory afforestation	95.69	75.00
12.	Compensation for forest land	327.58	257.00
13.	NPV for forest land	1198.23	939.00
14.	Resettlement and Rehabilitation	25375	6491.58
15.	Total	30352	8183.93

