

Registered

DIRECTORATE OF ENERGY  
GOVERNMENT OF HIMACHAL PRADESH  
SHANTI BHAWAN, PHASE-III, SECTOR-6, NEW SHIMLA-171009

No.HPDOE/CE (Energy)/RTI/2013-

Dated: 20.03.2013

To

*Sh. Manshi Asher*  
*Village Kandwari, Tehsil Palampur*  
*District Kangra (H.P.)-176061*

**Subject:-** Supply of information sought by *Sh. Manshi Asher*, under RTI, Act, 2005.

Dear sir,

In reference to your application No Nil dated 20<sup>th</sup> March, 2013 on the subject cited matter, the requisite information as available in this office is appended herewith at **Annexure-'A'**.

It is further intimated that in case, any clarification on above information is required; you may visit this office on any working day to see the related files with prior intimation to this office please.

Yours sincerely,

DA: as above

P.I.O-Cum S. E.  
Directorate of Energy,  
Govt. of Himachal Pradesh.

**Annexure-'A'**

Information sought by Sh. Manshi Asher, village Kandwari, Palampur- 176061, Kangra, H.P. Under RTI Act, 2005.

- 1 Please provide a copy of the notice issued by the Himachal Pradesh Directorate of Energy to the Jaypee Company to rectify the leakage from the surge shaft and water conductor system of the Karcham Wangtoo HEP.**

*The copy of letter is annexed at Annex-1.*

- i. Which authority in HP issues certificate of safety to the hydropower Projects in HP?**

*No authority for issuance of certificate of safety to the hydropower Projects has been constituted so far.*

- ii. Please provide a copy of such certificate for Karcham Wangtoo, Malana 1, Malana 2, Chamara-3 and Allain Duhangan HEP**

*Not applicable in view of information at 1 above.*

- 2 How did the Himachal Pradesh Directorate of Energy (HPDE) get to know about the leakage from Karcham Wangtoo Project systems? When did the HPDE get to know about this problem? What steps has HPDE taken in this regard? When had the leakage developed?**

*During an inspection of Karcham Wangtoo HEP by the CEA, CWC & DOE authorities on 17<sup>th</sup> & 18<sup>th</sup> Dec. 2012, a considerable seepage in Surge shaft area of Karcham Wangtoo HEP was noticed. Accordingly the Project Authorities there and then directed to take immediate measures to check the seepage immediately. In response, the Co. immediately carry out precautionary measures in this regard.*

*As per the information submitted by the Project Proponent of Karcham Wangtoo HEP, the seepage in Surge Shaft Complex occurred on 16/12/2012.*

- 3 What are the reasons for the heavy leakage from the Karcham Wangtoo water conductor system and Surge Shaft? What steps has the HP Govt taken to ensure that such situation does not arise again?**

***Reason for heavy leakage from Water Conductor System and Surge Shaft as intimated by Project Authorities of Karcham Wangtoo HEP.***

*The Surge Shaft and surrounding rock might have developed cracks or may have got washed through the fissures in the surrounding rock which provided leakage path to the water from the Surge Shaft.*

**Steps taken to ensure that such situation does not arise again by Project Authorities of Karcham Wangtoo HEP**

After Shutting down the Power House w.e.f. 21/12/2012 (00.00 Hrs.), dewatering of the entire water conductor system was started and completed on 27/12/2012. The Water Conductor System and Surge Shaft area was inspected in detail by a Team of Experts to ascertain the situation.

Contact grouting, Umbrella grouting towards to the Surge Shaft from the Adit and from the drainage gallery around the Surge Shaft was carried out to consolidate the rock mass around the Surge Shaft. Steel rib support with backfill concrete followed by contact grouting and the drainage holes was also carried out. The repairs of some damage in the concrete lining was done from inside of the Surge Shaft with high strength grout and Epoxy which is a standard treatment for such repairs.

After carrying out above measures, it has been ensured by the Project Developer that the project after carrying out above measures is quite safe.

4. **What steps have been taken by the HP Govt to ensure safety of operation of the cascade of hydropower projects in HP in Sutlej, Ravi, Beas and Chenab basins?**

The Constitution of an "Authority" of Hydro Power Safety, Quality control and Management of water flows by the State Govt in line with the provision at Sr. No. (xxii) of chapter (V) of the Hydro Power Policy of the State is in process.

5. **The hydroelectricity power policy framed in 2006 provided for project safety and a monitoring authority. Has such an authority been set up in Himachal Pradesh? Please provide when it was set up. Who all are the members of it and provide a copy of the minutes and agenda of the last two meetings of the authority.**

The "Authority" for project safety and a monitoring has not been constituted so far. However, the constitution of the "Authority" of Hydro Power Safety, Quality control and Management of water flows is under finalization by the State Govt in line with the provision of the Hydro Power Policy of the State.

6. **Please provide the names of the consultants engaged by the HP Govt for inspection of the construction of hydropower projects, the terms of reference for the consultants, payments made to the consultants and monitoring reports of the consultants in case of Karcham Wangtoo Project.**

No consultant has been engaged by the H.P. Govt. specifically for the inspection of construction of Karcham Wangtoo HEP. As such no expenditure incurred on this account.

**DIRECTORATE OF ENERGY  
GOVT. OF HIMACHAL PRADESH  
SHANTI BHAWAN, PHASE-III, SECTOR-6, NEW SHIMLA-171009**

NO. HPDOE/CE (Energy)/Karcham Wangtoo /2012-1786-95

Dated: 24/12/12

To

M/s Jaypee Karcham Hydro Electric Project,  
'JA House' 63, Basant Lok, Vasant Vihar,  
New Delhi-110057  
Fax: 011-26145389/3561

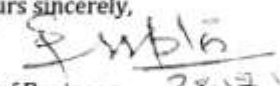
**Sub:- Karcham Wangtoo HEP (1000MW)- Project site visit thereof**

Dear Sir,

During our recent visit to Karcham Wangtoo HEP held on 17<sup>th</sup> & 18<sup>th</sup> Dec, 2012, on inspection of Surge Shaft area, a considerable water leakage was observed. It was given to understand by the Project Authorities that this leakage is from Surge Shaft.


In this context, it is advised that the necessary preventing measures may please be taken to stop this leakage immediately so that this does not aggravate further. An immediate action in this regard may be taken to ensure the safety to Project Structures and local inhabitants and their property under intimation to this office. Expert advice may be secured immediately and project may be shut down if necessary.

Yours sincerely,

  
Chief Engineer,  
Directorate of Energy,  
Govt. of Himachal Pradesh.

Copy forwarded to:

1. The Addl. Chief Secretary (MPP & Power), GoHP, Shimla - 171002, for kind information please.
2. M/s Jaypee Karcham Hydro Electric Project, Sholtu Colony, P.O Tapri-172104, District Kinnaur (H.P) for information and immediate necessary action please.  
Fax No: 01786-261258, 242245

  
Chief Engineer,  
Directorate of Energy,  
Govt. of Himachal Pradesh.

Karcham  
Wangtoo (10)