



J&K State Pollution Control Board

JAMMU/SRINAGAR

Sr.No. SPCB/11C/10/5225-28

Date 18/2/2016

Consent Order

Consent No. 15589/2016

Date: 18/2/2016

**Consent to Establish/Construction of Hydro-Electric Power Project
330 MW annual generation 533.52 Millions units , on Kishanganga River.**

- i) Under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, as amended
- ii) Under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981, as amended (to be referred to as Water Act and Air Act respectively)

**Name of the Project authority: General Manager
Kishanganga H.E Project
NHPC Complex ward No. 5 near Hospital Bandipora.**

CONSENT is granted to **M/s Kishanganga Hydro Electric Project
NHPC Office Complex
Ward No. 5 near Hospital Bandipora.**

Located in the area declared under the provisions of the Water Act / Air Act and subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:-

1. (a) The consent to **Establish (Renewal)** is granted for a period up to **February 2016**.
(b) Construction of **Hydro -Electric Project (330 MW)** on River Kishanganga .
2. The Consent is valid for the construction of various structures and treatment of catchments areas of the river Kishanganga for Hydro-Electric Project with capital investment of **Rs 3642.04 Crores.**

3. Conditions under Water Act :

- (i) The daily quantity of water consumption shall not exceed 33 KLD
- (ii) **Kishanganaga ge Treatment** – NHPC shall provide comprehensive treatment system as is warranted with reference to effluent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards before disposal :-

pH	Between	6.5 and 8.5
Suspended Solids	Not to exceed	100mg/l.
B.O.D., 3 days, 27°C	Not to exceed	30 mg/l.

(iii) **Kishanganga Disposal Outlet Conditions :**

All the domestic waste water shall be collected in the Septic tank and soak pit.

(2)

(iv) Non-hazardous solid waste (TPD./TPM): The non-hazardous solid waste should be handled and disposed as per the guidelines of Municipal Solid Waste Rules, 2000.

(v) **Other Conditions :**

The NHPC shall comply with any other conditions laid down or directions issued in due course by the Board from time to time under the provision of the Water (Prevention and Control) Act, 1974

4. **Conditions under Air Act :**

(I) NHPC shall erect the chimney(s) / stack(s) of the required specifications wherever required.:

(II) NHPC shall install a comprehensive Air pollution control system consisting of control equipments to control the all type emissions emitted continuously so as to achieve the level of pollutants :

Standards for emissions of Air Pollution:-

- | | |
|----------------------|--------------------------------------|
| (i) SPM | Not to exceed 200 ug/Nm ³ |
| (ii)SO ₂ | Not to exceed 80 mg/Nm ³ |
| (iii)NO ₂ | Not to exceed 80 mg/Nm ³ |

(III) NHPC shall take adequate measures for control of noise from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 db(A) during day time and 70 db(A) during night time. Daytime is reckoned in between 6am to 10pm and night time is 10pm to 6am.

(IV) **Other conditions :**

(a) NHPC shall ensure that no Air pollution problem or public nuisance is created in the area due to discharge of emissions from the NHPC.

(b) NHPC shall not discharge any fugitive emissions. All gases shall be emitted through a stack of suitable height as per the norms fixed by the Board from time to time.

(c) Fugitive emission shall have to be effectively controlled by constant vigil timely repair and with good house keeping practices.

(d) The NHPC shall comply with any other condition laid down or directions issued in due course by the J & K State Pollution Control Board under the provisions of Air (Prevention and Control of Pollution) Act, 1981.

5. **Self Monitoring Schedule :**

(a) NHPC shall get the samples of Kishanganga River regularly of National River Quality Monitoring Programme from the laboratory recognized by the SPCB / PCC / CPCB / MOEF, New Delhi and conform to the limits stipulated. Test report shall be sent to the State Pollution Control Board on quarterly basis.

(b) **NHPC shall install Ambient Air Quality Monitoring Stations at least at the following locations :**

- **Dam**
- **Quarry Sites**
- **Residential Colony**

and the sampling should be done as per the guidelines of **National Ambient Air River Quality Monitoring Programme**. The analysis report should be submitted to the State Pollution Control Board regularly on quarterly basis.

6 The applicant shall comply with the additional conditions as stipulated below :

- i. The Consent is valid for the Establishment /Construction of 120 MW Hydro-Electric Project only.
- ii. To Prepare a Comprehensive Master Plan for the development of Water Recourses for the Kishanganga Basin.
- iii. To Constitute Monitoring Committee for effective implementation of Safeguards for preservation of Environment of the area.
- iv. To engage a Consultant for preparation of Master plan for the development of Water Resources for the Kishanganga Basin.
- v. To setup a Onsite laboratory for water monitoring of Kishanganga River on regular basis.
- vi. NHPC shall be liable to pay compensation in case any damage is caused to the environment.
- vii. NHPC shall abide by the directions of the Board which will be issued from time to time. Any infringement/violation or transgression of the statutory enactments of pollution control acts by the NHPC, shall be sufficient cause to prosecute the violator in conformity with relevant section of Air / Water Acts and Environment Protection Act in force.
- viii. The Hydro-Electric Project shall be under surveillance monitoring of J & K State Pollution Control Board and the Project Authority shall provide all assistance to the inspecting team.
- ix. Any further construction/expansion/renovation/ in the NHPC premises shall be subject to the clearance from the J & K State Pollution Control Board.
- x. NHPC shall raise green belt of suitable plant species within the premises and carry out catch area treatment of the area.
- xi. The NHPC shall provide adequate arrangement for fighting the accidental leakages/discharge of any air pollutant/gas/liquid from the vessel, mechanical etc. which are likely to cause fire hazard including environmental pollution.
- xii. It shall be the responsibility of the Project Authority to ensure that there are no complaints from the surrounding areas due to pollution caused by the NHPC.
- xiii. NHPC needs to follow the Hazardous Waste Handling Rules,1989 and amendments made thereafter for storage, transportation and disposal of used oils.
- xiv. NHPC should apply 45 days in advance for renewal of Consent before expiry the date of this Consent order.
- xv. NHPC shall apply for consent to establishment and authorization to operate DG Sets installed in the project area separately.
- xvi. To submit compliance report of EMP as envisaged in the initial clearance from the Ministry before next renewal.
- xvii. To submit progress report from the Soil Conservation Department as the steps taken for the catchments area treatment.
- xviii. To take permission for the separate installation such as stone crusher/batching plant from the Board before next renewal o this consent.
- xix. To submit the regular monitoring of the Air Samples/Water samples for monitoring of ambient and water pollution in the area due to the different activities of the project.

(4)

- xx. To carry out the dumping of muck along the bank of Kishanganga River only on prescribed locations. Muck dumping be stabilized by earth retaining structure like Breast Walls, proper crating etc.
- xxi. Internal road and catch water drains needs to be kept cleared of any debris/dumped material and water sprinkling be encouraged along the stretch of roads till concrete/matelling of road is done.
- xxii. Scientific disposal of both solid and liquid waste (both biodegradable and Non-biodegradable) be ensured.
- xxiii. All leakage points be sealed in CIFA batching plant and at the excavation site, quarry etc.
- xxiv. Safety and security of staff and employees be insured and protective measures be adopted like helmets, gloves, earplugs, long shoes etc. . A copy of workman's compensation insurance is submitted to this office under Public Liability Insurance Act.
- xxv. On site emergency/disaster management plan should also be submitted to this office.
- xxvi. To install three Air Monitoring Stations at an angle of 120th for monitoring of Ambient Air quality especially one at dam site and other at residential colony and submit their data to State Pollution Control Board regularly.
- xxvii. To submit sample analysis report of Kishanganga River at upstream and downstream of the project area.
- xxviii. *NHPC also adhere to the specific and general conditions stipulated in environmental clearance issued by MOEF vide No: J-12011/36/2003-IA-I dt: 9-3-2006.*


Asstt. Environmental Engineer

Consent order No:

1558 of 2016


Member Secretary

dated:

18/2/2016

To

M/s Kishanganga Hydro Electric Project
NHPC Office Complex
Ward No. 5 near Hospital Bandipora.

Copy to:-

1. Regional Director PCB Kashmir for information & necessary action. He is requested to ensure the compliance of above conditions and submit report to the Central Office.
2. Office file.