



H.P. STATE ENVIRONMENT PROTECTION
&
POLLUTION CONTROL BOARD
PARVAVARAN BHAVAN, PHASE III, SHIMLA-171 009.
PH. 0177-2673766, 2673020 & 32, FAX : 0177-2673018

B.B-05

NO. HP SEP&PCB/J.P. Karchham Wangtoo HEP-Kinnaur/2005-9/27-34 Dated: 8.8.05

From: Member-Secretary

To: M/S J.P. Karcham Hydro Corporation Limited,
C-16, Sector -1, SDA Housing Colony,
New Shimla - 171 009, H.P.

Subject: Consent to establish for (4x250=1000MW) Karcham Wangtoo Hydel Project proposed by M/S Jaypee Karcham Hydro Corporation Limited in Distt. Kinnaur, H.P. under the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.

Sir,
M/S J.P. Karcham Hydro Corporation Limited, have applied for Consent to Establish under the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 for the establishment of Karcham Wangtoo (4x250=1000 MW) Hydro Power Project based on Satluj River with diversion dam in Karcham area of village Karcham, District Kinnaur, (H.P) and Power House on right bank of river Satluj in village Wangtoo, District Kinnaur, H.P. The proponent of the project have submitted Environmental Impact Assessment and Environmental Management Plan. The State Board organized internal presentations on 17-07-2002, 18-12-2002 before the Subject Matter Specialists on the Environmental Impact Assessment and Environmental Management Plan (EIA/EMP) submitted by proponent on their proposal for setting up the proposed project. Observations of the Subject Matter Specialists were conveyed to the proponent on 12-08-2002 & 27-12-2002 and the proponent were asked to integrate these observations in the EIA/EMP. Proponent supplied requisite information and data on these observations on 05-09-2002 & 28-02-2003.

First Environmental Public Hearing for the proposed Hydel Project was convened by the State Board on 18-06-2003 in compliance to the procedure laid down by the Government of India in the notification No. SO-318 (E) dated 10-04-1997. In order to make process more participatory and broad based and in continuation to the previous Environmental Public Hearing organized by the State Board on 18-06-2003, the second Environmental Public Hearing in respect of proposed project was held on 07-10-2003. Proceedings of these two Public Hearings were sent by the State Board to the Secretary (S&T), Government of Himachal Pradesh vide letter No. EP&PCB/JP Karchham Wangtoo/2003-18375 dated 23-12-2003.

Aug. 08 2005 07:43PM P1

FAX NO. : 91 177 2670883

FROM : JALPRAKASH IND SHIMLA

14/08

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ner in pursuance to the contents of letter No. STE-F (2)-6/2003, dated 29-09-2004 from the Secretary (S&T), Government of Himachal Pradesh, Shimla-cum-Chairman, State Level Environment Impact Assessment & Monitoring Committee to hold Environmental Public Hearing as per prescribed procedure, State Board in continuation to the previous Environmental Public Hearings held on 18-06-2003 and 07-10-2003, organized & conducted the third Environmental Public Hearing in respect of proposed project on 09-11-2004.

Proceedings of the third Public Hearing held on 09-11-2004 were also sent to the Secretary (S&T), Government of Himachal Pradesh-cum- Chairman, State Level EIA & Monitoring Committee vide letter No. HPSEP&PCB / Karcham Wangtoo HEP- Kinnaur /05 - 17762 - 66 dated 19-01-2005. The State level EIA & Monitoring Committee held detailed deliberations on the project in the intervening period. Finally the Secretary (S&T), Government of Himachal Pradesh recommended the case for environmental clearance to the Government of India vide letter No. STE-F(2)-6/2003 dated 16-07-2005.

In view of the detailed examination of the proposal by the State Board as well as the State Level EIA & Monitoring Committee as above and the information provided by the proponent, the State Board hereby issues consent to establish to the abovementioned project under the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 subject to the terms and conditions mentioned hereinafter:

1. This consent to establish is only issued under the provisions of Water (Prevention & Control of Pollution) Act, 1974 & Air (Prevention & Control of Pollution) Act, 1981 and the proponent shall obtain clearances/NOC's from the concerned departments such as Fisheries, Forests, IPH, Revenue etc. related to issues relevant to these departments.
2. This consent is valid for one year from the date of issue and shall subsequently have to be renewed for next financial year or part thereof within the validity of this consent failing which the consentee shall be liable for penalty as per provisions in force from time to time.
3. This consent to establish is subject to the Environmental Clearance of the proposed project by the Ministry of Environment & Forests, Government of India and also subject to the conditions of Environmental Clearance as may be incorporated by the Government of India.
4. This consent to establish is also subject to the conditions laid down by State Level Environment Impact Assessment and Monitoring Committee while forwarding the proposal to the Ministry of Environment & Forests, Government of India for Environmental Clearance vide letter No. STE-F(2)-6/2003 dated 16-07-2005
5. This consent to establish is also subject to the fulfillment of the commitments made by the proponent during the public hearings of the project.
6. The proponent shall comply with any other conditions laid down or directions issued by the Board or State Government or Ministry of Environment & Forests, Government of India or Central Pollution Control Board under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981 and/or Environment (Protection) Act, 1986 from time to time, as the case may be.

Nothing in this consent to establish shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities or penalties to which the applicant is or may be subject to under the provisions of the Acts/laws other than those mentioned above.

- 8 The proponent shall implement the Environmental Management Plan subject to the conditions of this consent during execution, operation and decommissioning, as the case may be.
- 9 The conditions of consent and provisions of aforesaid Acts shall apply to the consentee as well as all the contractor agencies as may be engaged by it for implementation of the project. Renewal of consent to establish shall have to be applied by the contractors also as per procedure notified by the State Board vide notification No. PCB (Engg.) Bd. Mtg. (50) / 2004 - 4912-42 dated 12-06-2004 (copy enclosed).
- 10 This consent shall confer no right on the proponents to acquire land which shall strictly be governed by the relevant laws of the State covering land revenue and adequate compensation as may be decided by the competent authority shall be paid for acquiring the land and/or property as the case may be.
- 11 The proponent shall be bound to pay the Environmental Management Plan Monitoring costs amounting to Rs. 68.00 lakhs during construction and operation phases as shown in the EMP as per time line schedule submitted by the proponent. However Proponent shall deposit Rs. 25.00 Lakhs before undertaking any steps to establish the project before undertaking project related construction activities.
- 12 The sewage from all residential/office areas/ labour camps of the project shall be properly treated in the sewage treatment plant before final disposal so as to conform to the prescribed norms.
- 13 The proponents shall get the safety audit conducted by National Safety Council or any other reputed organization and submit the same to this State Board during implementation and after commissioning of the project.
- 14 The proponents shall be liable for restoration of water quality in the Satluj river besides other streams if any quality alterations attributable to the project are observed during construction or subsequent to the commissioning of project at their own costs.
- 15 All the muck and debris shall be dumped in the designated dumping sites. Before any dumping is done, the sites shall be provided with proper retaining structures. The areas allocated for dumping shall be consistent with quantity of muck/debris and retaining structures shall be increased as and when required for ensuring safe dumping incorporating all safety and engineering considerations. The proponent shall submit monthly report of the muck dumping status with respect to each designated site and dumping shall be stopped forthwith when the capacity of a particular designated site is filled.

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The muck and debris shall be transported from the construction sites to the designated dumping sites, keeping the security and safety of the people in consideration and the proponent shall be liable for any public damages due to construction activity as may be determined by the Competent Authority.

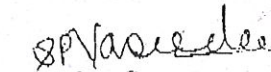
- 17 The project proponent shall release and maintain a minimum flow immediately down stream of diversion structures of Hydel project throughout the year at a threshold value of not less than 10% of the minimum inflow observed in the lean season at dam site into the Satluj river as per directions of the State Government (copy enclosed) from time to time.
- 18 The proponent shall prepare an inventory of all water sources in the project area and quantify the flow details in consultation with IPH Department & local Panchayats and will be responsible for maintaining the existing flow all such streams/springs other than those harnessed for the project.
- 19 The proponent shall prepare an inventory & document with video graphic evidence, the baseline status of existing private / public buildings in consultation with HPPWD, Revenue Authorities and local Panchayats and proponent shall be liable to compensate any damage to the private / public buildings as may be determined by the competent authorities of the State Government.
- 20 In case of adverse impact on any of the water sources/ water supply schemes due to construction of the project, cost of alternative schemes shall have to be borne by the proponents.
- 21 No dumping of debris shall be allowed in the areas within the floodplain in the beds of Satluj river or in the bed of any other natural stream within the flood plain area.
- 22 All blasting operations shall be strictly carried out according to the provisions of Indian Explosives Act and regulations stipulated there under or any other relevant law(s).
- 23 The proponents shall be responsible for maintaining the water and ambient air quality in the area conforming to the prescribed standards during pre-commissioning, post - commissioning and decommissioning of the project.
- 24 The debris/muck dumping site(s) and mining/quarry areas shall be restored by planting suitable species after the dump site(s)/ mining/quarry areas are closed for dumping/ mining/quarrying so that such site(s) merge into the surrounding environment on completion of the project. Restoration Plan shall be prepared and submitted by the management within six months to the State Board.
- 25 The environmental management plan shall be conforming to above conditions and requisite financial provisions made for each of the component for environmental management.
- 26 The proponents shall ensure public participation for socio-economic up gradation of the area in terms of employment, education, health and other civic infrastructure for the local people.

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This consent is without prejudice to the riparian rights of the users in the areas downstream of the diversion headworks proposed on Karcham & Wangtoo and the proponents shall be liable for compensating any damages as may be determined by the Competent Authority under the riparian rights of such users.

- 28 The silt from the desilting systems at diversion headworks, sedimentation system and storage reservoir shall be disposed of in such a way that it does not affect the water quality and land in the areas of disposal in the operational phase of the project. Detailed plans to this effect shall be submitted by the proponent within six months.
- 29 The proponents shall obtain consent to operate for the proposed Hydroelectric Project under Water Act, 1974 and Air Act, 1981 one month prior to the expected commissioning of the project.
- 30 Proponent shall provide incinerator for disposal of garbage from the all office as well as residential premises of the proposed project.
- 31 The Board reserves the right to review and / or revoke this consent partially or absolutely in case of violation of above conditions or the provisions of the Environment (Protection) Act, 1986.
- 32 Notwithstanding anything contained in this Consent to establish, the proponent shall not take any steps for establishment / construction of project or project related construction activities for the proposed project and anything contrary to this would be at the risk & cost of the proponent unless the Environmental Clearance is granted by Ministry of Environment & Forests, Govt. of India and relevant compliance to the conditions of this consent is made.
- 33 This is subject to ratification of State Board.

Yours faithfully,



Member Secretary

NO. HP SEP&PCB/ J.P. Karchham Wangtoo HEP-Kinnaur/2005-

Dated:

Copy forwarded to the following for information & necessary action: -

1. The Secretary (MPP& Power) to Govt. of H.P. Shimla-171002.
2. The Secretary (Pollution Control), to Govt. of H.P. Shimla-171002.
3. The Chairman, HPSEB, Kumar House, Shimla (H.P.).
4. The Deputy Commissioner, Kinnaur.
5. The Superintending Engineer, IPH Circle, Kinnaur.
6. The Environmental Engineer, HP SEP&PCB, Kinnaur for information & necessary action for ensuring compliance.
7. Case file.


Member Secretary



H.P.STATE POLLUTION CONTROL BOARD

HIM PARIVESH, PHASE-III, NEW SHIMLA-171009

HPSPCB No : 154

Date: 04/07/2024

Industry Registration ID: 10383

Application No : 12444505

To,

JSW HYDRO ENERGY LIMITED, KARCHAM WANGTOO HEP
Sholtu Colony. P.O. Tapri, District Kinnaur, H.PSholtu

Kinnaur
172104

Subject: 'Consent to Establish' (expansion) u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981.

With reference to your application for obtaining 'Consent to Establish' u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are hereby, authorized to Establish an industrial unit subject to the Terms and Conditions as mentioned in this Consent letter.

1.Particulars of Consent to Establish under Water Act, 1974 and Air Act, 1981 granted to the industry

Consent No.	CTE/BOTH/EXPAN/RO/2024/12444505
Date of issue :	04/07/2024
Date of expiry :	03/07/2025
Certificate Type :	EXPAN
Expansion Cost :	0
Previous CTE/CTO No. & Validity :	

2. Particulars of the Industry

Name & Designation of the Applicant	GYAN BHADRA KUMAR, (Whole Time Director)
Address of Industrial premises	JSW HYDRO ENERGY LIMITED, KARCHAM WANGTOO HEP, Sholtu Colony. P.O. Tapri, District Kinnaur, H.PSholtu, ,Kinnaur-172104
Capital Investment of the Industry	660653.0 lakhs
Category of Industry	Red
Type of Industry	1009-Power generation plant [except Wind and Solar renewable power plants of all capacities and Mini Hydel power plant of capacity <25MW]
Scale of the Industry	Large
Office District	Kinnaur
Capacity	

Products (Name with quantity per day)

Name of Products	Unit	Quantity	Intermediate Product	Principal Use
Electricity	MW	45	--	--

Details of the Effluent Treatment Plant

Type of Effluent	Capacity	Quantity
STP	15 KLD	8 KLD
STP	30 KLD	19 KLD
STP	45 KLD	27 KLD

Mode of Disposal

Description	Quantity(in KLD)	Method of Treatment	Method of Disposal
Domestic	54 KLD	STP	River

Quantity of fuel required (in TPD) and capacity of boilers/ Furnace/Thermo heater etc.

Type	No.of Boiler/'Heater /Evaporator/Incinerator/D G Set/Other	Capacity	Type of Boiler/'Heater s/Evaporators /Incinerator/D GSets/Others	Type of Fuel	Fuel consumption rate in MT/hour or KL/hour or M3 /hour
Others	-	-	-	-	-



Approved By
Chairman
(H. P. State Pollution Control Board)

Endst. No.:

Copy To:-

1.Regional Officer,HPSPCB,Rampur for information and shall ensure to operate the unit as per consent condition with adequate PCDs.

Anil Joshi, IFS
Member Secretary



**For & on behalf of
(H. P. State Pollution Control Board)**

TERMS AND CONDITIONS

A. SPECIFIC CONDITIONS

1. This Consent to Establish is only for the purpose and under the provision of Water Act, 1974 and Air Act, 1981 as the case may be, and will not construed as substitute for mandatory clearances required for the project under any other law/regulation/direction/order and the applicant shall obtain any such mandatory clearance before taking any steps to establish industry/ industrial plant, operation or process or any treatment and disposal system or an extension or addition thereto.
2. Nothing in this Consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected to under this or any other Act.
3. The unit shall apply for further extension in the validity of the Consent to Establish, at least two months before the expiry of this 'Consent to Establish', if applicable.
or
The unit shall obtain prior Consent to Operate from the State Board, before starting operational activity and gets its completion plan approved by the Competent Authority (As applicable).
4.
 - i) The unit shall made provisions for the compliance of Waste Management Rules i.e. Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016/ Plastic Waste Management Rules, 2016/ E-Waste (Management) Rules, 2016/Construction & Demolition Waste Management Rules, 2016 and Manufacture, Storage & Import of Hazardous Chemical Rules, 1989 and provisions made thereunder, as amended from time to time, without any adverse effect on the environment, in any manner (As Applicable)
 - ii) The unit shall made provisions for the compliance Solid Waste Management Rules, 2016 and provisions made thereunder and unit shall also not practice burning activity of solid waste/waste generated from fuel within/outside premises, to avoid public nuisance.
5. This 'Consent to Establish' is for:-
 - i) The emissions from all sources conforming to the norms as prescribed in Schedule-I of Environment (Protection) Rules, 1986 as amended from time to time.
 - ii) Noise and Ambient Air Quality shall be maintained within Ambient Air Quality Standards for noise as specified in Schedule-III of Environment (Protection) Rules, 1986 and Noise Pollution (Regulation and Control) Rules, 2000, as amended from time to time.
 - iii) The effluent (Domestic/Industrial) shall conform to the limits as prescribed in Schedule-I or Schedule-VI or Industry specific standards of Environment (Protection) Rules, 1986 as amended from time to time.
 - iv) Sewage and sullage generated from the unit to be disposed-off in a properly designed septic tank system/Sewage Treatment Plant/ Public Sewer System (as applicable).
6. The unit shall install adequate pollution control devices and provide the separate energy meter and flow meter. The unit shall maintain the logbook/ record with respect to operation of pollution control devices (As applicable). The achievement of the adequacy and efficiency of the effluent treatment plant/pollution control devices/re-circulation system installed shall be the entire responsibility of the unit.
7. **CONDITIONS UNDER WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974.**
 - a) The unit shall provide terminal manhole(s) at the end of each collection system and a manhole upstream of final outlet (s) out of the premises of the industry for measurement of flow and for taking samples.
 - b) The unit shall install flow meter and maintain the record regarding the daily water consumption.

- c) The pollution control devices shall be interlocked with the manufacturing process of the industry (if applicable) and the authorized outlet and mode of disposal shall not be changed without the prior written permission of the Board. Unit shall not use any unauthorized out-let(s) for discharging effluents from its premises.
- d) Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed-off in scientific manner.
- e) The unit shall submit a detailed plan showing therein, the distribution system for conveying wastewaters.

8. CONDITIONS UNDER AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981.

- a) The unit shall provide canopy and stack of adequate height of the D.G sets so as to control the noise & air pollution in order to comply with the provision of notification No GSR-371 E dated 17-5-2002 or direction as issued by MOEF from time to time, under Environment (Protection) Act, 1986.
- b) The unit shall ensure disposal of boiler ash/fuel ash through authorized person or within premises in a scientific manner (as the case may be) and shall maintain proper record for the same, if applicable.
- c) The unit shall provide proper and adequate air pollution control arrangements for control emission from its coal/fuel handling area and emissions from handling, transportation and processing of raw material & product of the industry, as applicable.
- d) The unit shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets as per the specifications.

Specifications of the port-holes shall be as under:-

- i) The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter (D_e) shall be calculated from the following equation to determine upstream, downstream distance:-

$$D_e = 2 LW / (L+W)$$

Where L= length in mts. W= Width in mts.
- ii) The sampling port shall be 7 to 10 cm in diameter
- e) The unit shall submit a detailed plan showing therein, the distribution system for conveying wastewaters.

(i) Stack height for boiler plants

**S.NO. Boiler with Steam Generating Stack heights
Capacity**

- | | | |
|----|--|---|
| 1. | <i>Less than 2 ton/hr.</i> | 9 meters or 2.5 times the height of neighboring building which ever is more |
| 2. | <i>More than 2 ton/hr. to 5 ton/hr.</i> | 12 meters |
| 3. | <i>More than 5 ton/hr. to 10 ton/hr</i> | 15 meters |
| 4. | <i>More than 10 ton/hr. to 15 ton/hr</i> | 18 meters |

5. *More than 15 ton/hr. to 20* 21 meters
ton/hr
6. *More than 20 ton/hr. to 25* 24 meters
ton/hr.
7. *More than 25 ton/hr. to 30* 27 meters
ton/hr.
8. *More than 30 ton/hr.* 30 meters or using the formula
 $H = 14 Q_g^{0.3}$ or
 $H = 74 (Q_p)^{0.24}$
 Where Q_g = Quantity of SO₂ in Kg/hr.
 Q_p = Quantity of particulate matter in Ton/day.

Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.

(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.

(iii) Stack height for diesel generating sets:

Capacity of diesel generating set	Height of the Stack	
0-50 KVA	Height of the building	+ 1.5 mt
50-100 KVA	-do-	+ 2.0 mt.
100-150 KVA	-do-	+ 2.5 mt.
150-200 KVA	-do-	+ 3.0 mt.
200-250 KVA	-do-	+ 3.5 mt.
250-300 KVA	-do-	+ 3.5 mt.

For higher KVA rating stack height H (in meter) shall be worked out according to the formula:

$$H = h + 0.2 (KVA)^{0.5}$$

where h = height of the building in meters where the generator set is installed.

9. The unit shall submit on-site and off-site emergency plan approved by the Chief Inspector of Factories, Himachal Pradesh (If applicable)
10. The unit shall provide real time online monitoring equipment's and provisions for the un-interrupted transfer of data as per guidelines of CPCB (if applicable).
11. The unit shall provide adequate arrangements for fighting the accidental leakages/ discharge of any air pollutant/gas/liquids from the vessels, mechanical equipment's etc. which are likely to cause environmental pollution.
12. The unit shall plant minimum three layer of trees so far possible as per plantation guide (may be download from the website <http://hppcb.nic.in/plantationguide.pdf>) all along the boundary of the industrial premises and check air/water/noise pollution at source.
13. Any guidelines issued by the Central Government/State Government/MoEF/CPCB/SPCB/any other authority concerned, shall be binding.
14. This 'Consent to Establish' is subject to orders on any litigation pending in any Court of Law. Any direction/order issued by any court shall be binding (if any).
15. The Board reserves the right to revoke the 'Consent to Establish' granted to the industry at any time, in case the industry is found violating the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.
16. The unit shall comply with any other conditions laid down or directions issued in due course by the Board under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.

B. OTHER CONDITIONS

1. The unit shall comply with the conditions imposed by the MoEF/State Level Environment Impact Assessment Authority/ District Level Environment Impact Assessment Authority in the environmental clearance granted to it as required under EIA notification dated 14-9-06, if applicable.
2. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.
3. Stone Crusher units shall comply with the provisions of guidelines notified by the State Government vide Notification No. STE-E(3)-11/2012, dated 29-05-2014 (If Applicable).
4. Brick Kiln units shall comply with the provisions of guidelines notified by the MoEF vide Notification No. G.S.R.233.(E), dated-15-03-2018 and by the State Government vide Notification No. STE-E(5)-6/2013, dated-07-03-2014 (If Applicable).
5. Hydroelectric Projects shall install Online Real Time Monitoring System for the measurement of 15% of minimum discharge in lean season as per orders of Court/Government. The unit shall also ensure provisions for the regular and uninterrupted transfer of data from the real time online monitoring system for 15% of minimum discharge of flow to SPCB, failing which unit shall be liable for action on account of violation of the directions issued by Court/Government/SPCB in this regard (If Applicable).
6. Unit shall strictly adhere to the capacity approved by the Industries Department/ Department of Tourism & Civil Aviation/any other concerned Authority (As Applicable).
7. The unit shall not cause any nuisance/traffic hazard in vicinity of the area.
8. The unit shall ensure that there will not be significant visible dust emissions beyond the property line.
9. The unit shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.
10. The unit shall put display Board indicating environmental data in the prescribed format at the main entrance gate.
11. The unit shall maintain record regarding the operation of effluent treatment plant i.e. record of quantity of chemicals and energy utilized for treatment and sludge generated from treatment so as to satisfy the Board regarding regular and proper operation of pollution control equipment.
12. Any amendments/revisions made by the Board/CPCB/MOEF in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.



By Order
Chairman
(H. P. State Pollution Control Board)