

ਸੇਵਾ ਵਿਖੇ:-

ਵਧੀਕ ਪ੍ਰਧਾਨ ਮੁੱਖ ਵਣ ਪਾਲ (ਐਫ.ਸੀ),
ਅਤੇ ਨੋਡਲ ਅਫਸਰ (ਐਫ.ਸੀ.ਏ.),
ਪੰਜਾਬ, ਐਸ.ਏ.ਐਸ ਨਗਰ।

ਨੰਬਰ 5920

ਮਿਤੀ 18/9/2023

ਵਿਸ਼ਾ:-

Proposal No. FP/PB/Approach/144330/2021:- Diversion of 0.2557 ha. of forest land for approach road to M/s Wave Beveragers Pvt. Ltd., at Village Nawan Kot, Amritsar-Jalandhar road, NH1 (New NH-3) Tehsil Jandiala Guru, under forest division and District Hoshiarpur, Punjab.

ਹਵਾਲਾ:-

ਭਾਰਤ ਸਰਕਾਰ ਦਾ ਪੱਤਰ ਨੰ: 9-PBB326/2022-CHA ਮਿਤੀ 08-04-2022

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਤੇ ਹਵਾਲੇ ਅਧੀਨ ਪੱਤਰ ਰਾਹੀਂ ਲਗਾਏ ਗਏ ਇਤਰਾਜ਼ ਦੂਰ ਕਰਨ ਉਪਰੰਤ ਰਿਪੋਟ ਹੇਠ ਲਿਖੇ ਅਨੁਸਾਰ ਆਪ ਜੀ ਨੂੰ ਸੂਚਨਾ ਅਤੇ ਲੋੜੀਂਦੀ ਕਾਰਵਾਈ ਹਿੱਤ ਭੇਜੀ ਜਾਂਦੀ ਹੈ:-

- 1 ਲੜੀ ਨੰ: 1 ਸਬੰਧੀ ਯੂਜਰ ਏਜੰਸੀ ਪਾਸੋਂ ਦਿੱਤੀ ਗਈ PPCB ਦੀ ਐਨ.ਓ.ਸੀ. ਆਨ-ਲਾਈਨ ਪਾਰਟ-2 ਵਿੱਚ ਅਪਲੋਡ ਕਰ ਦਿੱਤੀ ਗਈ ਹੈ।
- 2 ਲੜੀ ਨੰ 2 ਸਬੰਧੀ ਯੂਜਰ ਏਜੰਸੀ ਵੱਲੋਂ ਦਿੱਤੀ ਗਈ ਸੀ.ਐਲ.ਯੂ ਦੀ Clarification ਨਾਲ ਨੱਥੀ ਕਰਕੇ ਅਗਲੀ ਲੋੜੀਂਦੀ ਕਾਰਵਾਈ ਲਈ ਭੇਜੀ ਜਾਂਦੀ ਹੈ।
- 3 ਲੜੀ ਨੰ 3 ਸਬੰਧੀ 0.36 ਹੈਕ. ਦੀ ਰਿਵਾਇਜ਼ਡ ਸੀ.ਏ ਸਕੀਮ, ਐਨ.ਪੀ.ਵੀ ਦੀ ਵੱਖਰੀ ਸ਼ੀਟ ਅਤੇ ਲੈਂਡ ਸਿਊਟੇਬਿਲਟੀ ਸਰਟੀਫਿਕੇਟ ਪ੍ਰਤੀਹਸਤਾਖਰ ਕਰਨ ਉਪਰੰਤ ਪਾਰਟ-2 ਵਿੱਚ ਅਪਲੋਡ ਕਰ ਦਿੱਤਾ ਗਿਆ ਹੈ।
- 4 ਲੜੀ ਨੰ: 4 ਸਬੰਧੀ ਆਪ ਜੀ ਨੂੰ ਇਹ ਬੇਨਤੀ ਕੀਤੀ ਜਾਂਦੀ ਹੈ ਕਿ ਵਣ ਰੋਜ਼ ਅਫਸਰ ਰਈਆ-1 ਦੀ ਰਿਪੋਟ ਅਨੁਸਾਰ ਯੂਜਰ ਏਜੰਸੀ ਵੱਲੋਂ 0.2557 ਹੈਕ. ਦੇ ਏਰੀਏ ਲਈ ਕੇਸ ਅਪਲਾਈ ਕੀਤਾ ਗਿਆ ਸੀ, ਪ੍ਰੰਤੂ ਯੂਜਰ ਏਜੰਸੀ ਵੱਲੋਂ 432 Sqm ਏਰੀਏ ਤੇ ਹੀ ਐਫ.ਸੀ.ਏ 1980 ਦੀ ਉਲੰਘਣਾ ਕੀਤੀ ਗਈ ਹੈ। ਜਿਸ ਦੀ ਡੀ.ਆਰ ਨੰਬਰ 23 92 ਮਿਤੀ 08-09-2021 ਨੂੰ ਚਾਕ ਕੀਤੀ ਗਈ ਹੈ। ਇਸ ਤੋਂ ਇਲਾਵਾ ਯੂਜਰ ਏਜੰਸੀ ਵੱਲੋਂ ਹੋਰ ਕੋਈ ਰਕਬੇ ਦੀ ਐਫ.ਸੀ.ਏ 1980 ਦੀ ਉਲੰਘਣਾ ਨਹੀਂ ਕੀਤੀ ਗਈ ਹੈ।
- 5 ਲੜੀ ਨੰ: 5 ਸਬੰਧੀ ਯੂਜਰ ਏਜੰਸੀ ਪਾਸੋਂ CTE/CTO ਦੀ ਕਾਪੀ ਪ੍ਰਾਪਤ ਕਰਨ ਉਪਰੰਤ ਪ੍ਰਤੀਹਸਤਾਖਰ ਕਰਕੇ ਪਾਰਟ-2 ਵਿੱਚ ਅਪਲੋਡ ਕਰ ਦਿੱਤੀ ਗਈ ਹੈ।
ਇਸ ਤੋਂ ਇਸ ਕੇਸ ਦੀ ਨਵੇਂ ਰੇਟਾਂ ਅਨੁਸਾਰ ਪੀਨਲ ਸੀ.ਏ ਅਤੇ ਪੀਨਲ ਐਨ.ਪੀ.ਵੀ ਸਕੀਮ ਪ੍ਰਤੀਹਸਤਾਖਰ ਕਰਨ ਉਪਰੰਤ ਨਾਲ ਨੱਥੀ ਕੀਤੀ ਜਾਂਦੀ ਹੈ।
ਉਕਤ ਤਰੱਟੀਆਂ ਦੂਰ ਕਰਕੇ ਆਪ ਜੀ ਨੂੰ ਬੇਨਤੀ ਕੀਤੀ ਜਾਂਦੀ ਹੈ ਕਿ ਇਸ ਕੇਸ ਦੀ ਮੁੱਢਲੀ ਪ੍ਰਵਾਨਗੀ ਜਾਰੀ ਕਰਨ ਦੀ ਬੇਚਲ ਕੀਤੀ ਜਾਵੇ ਜੀ।

ਨੱਥੀ ਉਪਰਵਾਗ।

ਵਣ ਮੰਡਲ ਅਫਸਰ,
ਅੰਮ੍ਰਿਤਸਰ।

ਪਿੱਠ ਅੰਕਣ ਨੰ:

ਮਿਤੀ

- 1 ਕਾਪੀ ਵਣ ਪਾਲ ਬਿਸਤ ਸਰਕਲ ਪੰਜਾਬ ਜਲੰਧਰ ਜੀ ਨੂੰ ਸਮੇਤ ਸਹਿਪੱਤਰ ਉਪਰੋਕਤ ਹਵਾਲੇ ਵਿੱਚ ਸੂਚਨਾ ਅਤੇ ਅਗਲੀ ਕਾਰਵਾਈ ਲਈ ਭੇਜੀ ਜਾਂਦੀ ਹੈ।
- 2 ਕਾਪੀ M/s Reliance BP Mobility limited, State office C-135, Phase-VIII, Industrial Focal Point, Mohali Punjab. ਨੂੰ ਸੂਚਨਾ ਲਈ ਭੇਜੀ ਜਾਂਦੀ ਹੈ।

ਨੱਥੀ ਉਪਰਵਾਗ।

ਵਣ ਮੰਡਲ ਅਫਸਰ,
ਅੰਮ੍ਰਿਤਸਰ।



PUNJAB POLLUTION CONTROL BOARD

Zonal Office, 164, Focal Point, Mehta Road, Amritsar

Website:- www.ppcb.gov.in

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: R12ASR20980

Application No : 20866969

To,

Gurdeep Singh Kandhari
66, Basant Avenue, Asr
Amritsar, Amritsar-143001

Subject: Renewal of 'Consent to Operate' an outlet u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 for discharge of effluent.

With reference to your application for obtaining Renewal of 'Consent to Operate' an outlet for discharge of the effluent u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974, you are, hereby, authorized to operate an industrial unit for discharge of the effluent(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

1. Particulars of Consent to Operate under Water Act, 1974 granted to the industry

Consent to Operate Certificate No.	CTOW/Renewal/ASR/2023/20866969
Date of issue :	28/02/2023
Date of expiry :	31/03/2025
Certificate Type :	Renewal
Previous CTO No. & Validity :	CTOW/Renewal/ASR/2018/7044404 From: 04/04/2018 To: 31/03/2023

2. Particulars of the Industry

Name & Designation of the Applicant	Sh. Gurdeep Singh Kandhari, (Director)
Address of Industrial premises	Wave Beverages Pvt. Ltd. (previous Name As Amritsar Crown Caps Pvt. Ltd. Unit I & II), P.o. & Vill. Nawan Kot, G.t. Road, 14km. Stone, Jandiala Guru, Asr., Amritsar I, Amritsar-143115
Capital Investment of the Industry	7589.83 lakhs
Category of Industry	Red
Type of Industry	Soft drink manufacturing (discharging more than 1500lt/day of trade effluent)
Scale of the Industry	Large
Office District	Amritsar
Consent Fee Details	
Raw Materials(Name with quantity per day)	Mango Pulp @2.2Metric Tonnes/Day Water @10.8Metric Tonnes/Day Sugar @52Metric Tonnes/Day Assence @0.32Metric Tonnes/Day

Divisional Forest Officer
Amritsar Forest Division
Amritsar

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Wave Beverages Pvt. Ltd. (previous Name As Amritsar Crown Caps Pvt. Ltd. Unit I & II), P.o. & Vill. Nawan Kot, G.t. Road, 14km. Stone, Jandiala Guru, Asr., Amritsar I, Amritsar, 143115

Products (Name with quantity per day)	Sift Drinks Mazza Mango @15 Metric Tonnes/Day Carbonated Soft Drinks in Pet Bottles @400 Kilo Liters/Day Carbonated Soft Drinks in Glass Bottles @150 Kilo Liters/Day
By-Products, if any, (Name with quantity per day)	As per detail submitted
Details of the machinery and processes	As per detail submitted
Details of the Effluent Treatment Plant	Trade Effluent @398.0 KLD Domestic Effluent @5.5 KLD
Mode of Disposal	Onto land for Horticulture/ Plantation/irrigation to the land of Adjacent of M/s Ansal Buildwel Onto land for Horticulture/ Plantation through septic tank
Standards to be achieved under Water (Prevention & Control of Pollution) Act, 1974	As prescribed by the Board.

Kamaljit Singh

28/02/2023

(Kamaljit Singh)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

PUNJAB

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:
The EERO, for information and n/a pls.

Kamaljit Singh

28/02/2023

(Kamaljit Singh)
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

[Signature]
Divisional Forest Officer
Amritsar Forest Division
Amritsar

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Wave Beverages Pvt. Ltd. (previous Name As Amritsar Crown Caps Pvt. Ltd. Unit I & II), P.O. & Vill. Nawan Kot, G.t. Road, 14km. Stone, Jandiala Guru,
Asr., Amritsar I, Amritsar, 143115
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TERMS AND CONDITIONS

A. GENERAL CONDITIONS

1. This consent is not valid for getting power load from the Punjab State Power Corporation Limited or for getting loan from the financial institutions.
2. The industry shall apply for renewal/further extension in validity of consent atleast two months before expiry of the consent.
3. The industry shall ensure that the effluent discharging through the authorized outlet shall conform to the prescribed standards as applicable from time to time.
4. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.
5. 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 industry.
6. The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of the Hazardous Wastes(Management, Handling and Trans boundary Movement) Rules, 2008 as amended time to time , without any adverse effect on the environment, in any manner
7. The responsibility to monitor the effluent discharged from the authorized outlet and to maintain a record of the same rests with the industry. The Board shall only test check the accuracy of these reports for which the industry shall deposit the samples collection and testing fee with the Board as and when required.
8. The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year.
9. The industry shall submit a yearly certificate to the effect that no addition/up-gradation/ modification/ modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.
10. During the period beginning from the date of issuance and the date of expiration of this consent, the applicant shall not discharge floating solids or visible foam.
11. Any amendments/revisions made by the Board in the tolerance limits for discharges shall be applicable to the industry from the date of such amendments/revisions.
12. The industry shall not change or alter the manufacturing process(es) so as to change the quality and/or quantity of the effluents generated without the written permission of the Board.
13. Any upset conditions in the plant/plants of the factory, which is likely to result in increased effluent and/or result in violation of the standards lay down by the Board shall be reported to the Environmental Engineer, Punjab Pollution Control Board of concerned Regional Office immediately failing which any stoppage and upset conditions that come to the notice of the Board/its officers, will be deemed to be intentional violation of the conditions of consent.
14. The industry 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.
15. The industry shall for the purpose of measuring and recording the quantity of water consumed and effluent discharged, affix meters of such standards and at such places as approved by the Environmental Engineer, Punjab Pollution Control Board of the concerned Regional Office.
16. The industry 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.
17. The industry shall provide online monitoring equipment $\frac{1}{2}$ s for the parameters as decided by concerned Regional Office with the effluent treatment plant/air pollution control devices installed, if applicable.
18. The pollution control devices shall be interlocked with the manufacturing process of the industry.
19. The authorized outlet and mode of disposal shall not be changed without the prior written permission of the Board.
20. The industry shall comply with the conditions imposed by the SEIAA / MOEF in the environmental clearance granted to it as required under EIA notification dated 14/9/06, if applicable.
21. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.


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Amritsar

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The industry shall not use any unauthorized out-let(s) for discharging effluents from its premises. All unauthorized outlets, if any, shall be connected to the authorized outlet within one month from the date of issue of this consent.

23. The industry shall make necessary arrangements for the monitoring of effluent being discharged by the industry and shall monitor its effluents:-
- (i) Once in Year for Small Scale Industries.
 - (ii) Four in a Year for Large/Medium Scale Industries.
 - (iii) The industry will submit monthly reading/ data of the separate energy meter installed for running of effluent treatment plant/re-circulation system to the concerned Regional Office of the Board by the 5th of the following month.
24. The industry shall provide electromagnetic flow meters at the source of water supply, at inlet/outlet of effluent treatment plant within one month and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th of the following month.
25. The Board reserves the right to revoke this consent at any time in case the industry is found violating any of the conditions of this consent and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 as amended from time to time.
26. 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.
27. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.
28. 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 under this or any other Act.
29. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of septic tank.
30. The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except.
- (i) Where unavoidable to prevent loss of life or some property damage or
 - (ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
31. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.
32. The industry shall comply with the code of practice as notified by the Government/ Board for the type of industries where the siting guidelines/ code of practice have been notified.
33. Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner to prevent any pollutants from such materials from entering into natural water.
34. The industry shall re-circulate the entire cooling water and shall also re-circulate/reuse to the maximum extent the treated effluent in processes
35. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of re-circulation system/ effluent treatment plant.
36. The industry shall make proper disposal of the effluent so as to ensure that no stagnation occurs inside and outside the industrial premises during rainy season and no demand period.
37. Where excessive storm water drainage or run off, would damage facilities necessary for compliance with terms and conditions of this consent, the applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.
38. The industry shall submit a detailed plan showing therein the distribution system for conveying waste-water for application on land for irrigation along with the crop pattern for the year.
39. The industry shall ensure that the effluent discharged by it is toxicity free.
40. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.

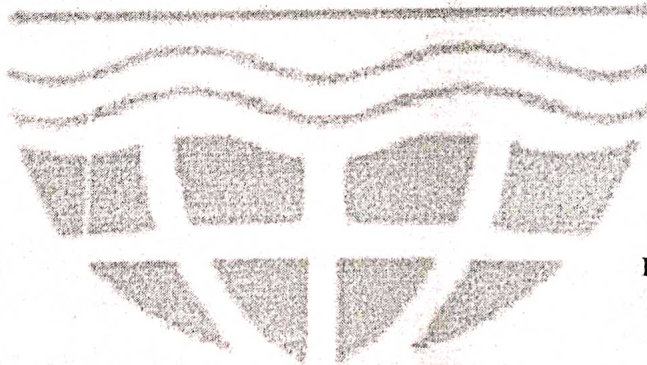

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- Drains causing oil & grease contamination shall will be segregated. Oil & grease trap shall be provided to recover oil & grease from the effluent.
42. The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, and the monitoring shall be submitted to the Environmental Engineer of the concerned Regional Office by the 5th of every month.
43. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the consent and shall not carry out any expansion without the prior permission/NOC of the Board.

B. SPECIAL CONDITIONS

1. The industry shall always maintain record of the freshwater abstraction, effluent generation and treated effluent.
2. The industry shall get its effluent sample analyzed from Board's Lab within 02 months and submit report to this office.
3. The industry shall not throw burn or burry any solid wastes in open outside premises or in drain / water bodies.
4. The industry shall promote use of alternatives of single use plastics (SUP) and awareness to discourage use of plastic.
5. The industry shall ensure that there are no usages of single use plastic- thermocol disposable items such as water bottles / water pouches/water cups, plates, forks, spoons, straw etc. and single use decorating material made of plastic-thermocol or any other non-biodegradable material in the premises.
6. The industry shall properly handle and manage the solid wastages as per the provisions of the Municipal Solid Waste Rules 2016 and ensure that the solid waste is segregated & disposed of in an environmentally sound manner.



Kamaljit Singh

28/02/2023

(Kamaljit Singh)
Environmental Engineer

For & on behalf
of

(Punjab Pollution Control Board)

CS

[Signature]

Divisional Forest Officer
Amritsar Forest Division
Amritsar

[Signature]

ਦੱਲੋ

ਨਗਰ ਅਤੇ ਗ੍ਰਾਮ ਯੋਜਨਾਬੰਦੀ ਵਿਭਾਗ, ਪੰਜਾਬ।

CU
Clarification

ਜ਼ਿਲ੍ਹਾ ਨਗਰ ਯੋਜਨਾਕਾਰ,
ਅੰਮ੍ਰਿਤਸਰ।

ਸੇਵਾ ਵਿਖੇ,

ਮੈਸ. ਅੰਮ੍ਰਿਤਸਰ ਕਰਾਊਨ ਕੈਪਸ ਪ੍ਰਾ. ਲਿਮਿਟਿਡ: ਯੂਨਿਟ 1 ਅਤੇ 2,
ਪਿੰਡ ਅਤੇ ਡਾਕਖਾਨਾ ਨਵਾਂ ਕੋਟ,
ਨੇੜੇ ਜੰਡਿਆਲਾ ਗੁਰੂ, ਅੰਮ੍ਰਿਤਸਰ।

ਪੱਤਰ ਨੰ: 1384 ਡੀਟੀਪੀ (ਅ)/ AL-19
ਮਿਤੀ 17/7/13

ਵਿਸ਼ਾ:-

Clarification of area as per latest notified Master Plan
(2010-2031) falling under the Industry operating under
name and style as Amritsar Crown Caps Pvt. Ltd., V &
P.O. Nawan Kot 14 Km Stone, G.T. road, Jandiala
Guru, Amritsar

ਹਵਾਲਾ:-

ਪੁਰਾਣੀ ਦੀ ਪ੍ਰਤੀ ਬੇਨਤੀ ਮਿਤੀ 10-7-2013.

2. ਹਵਾਲੇ ਅਧੀਨ ਪੱਤਰ ਰਾਹੀਂ ਪ੍ਰਾਪਤ ਵਿਸ਼ੇ ਸਬੰਧੀ ਕੇਸ ਨੂੰ ਦਫ਼ਤਰ ਵਿੱਚ ਵਾਚਿਆ ਗਿਆ ਅਤੇ ਇਸ ਦੀ ਮੌਕਾ ਰਿਪੋਰਟ ਕਰਵਾਈ ਗਈ ਹੈ। ਜਿਸ ਅਨੁਸਾਰ ਇਹ ਅੰਮ੍ਰਿਤਸਰ-ਜਲੰਧਰ ਰੋਡ ਉੱਪਰ ਪਿੰਡ ਮੋਹਰਬਾਨਪੁਰਾ ਨੂੰ ਜਾਂਦੀ ਸੜਕ ਤੋਂ ਲਗਭਗ 700 ਮੀਟਰ ਅੱਗੇ ਸੜਕ ਦੇ ਖੱਬੇ ਪਾਸੇ ਪਿੰਡ ਨਵਾਂ ਕੋਟ ਦੀ ਰੈਵੀਨਿਊ ਅਸਟੇਟ ਵਿੱਚ ਪੈਂਦੀ ਹੈ। ਸਾਈਟ ਦਾ ਕੁੱਲ ਰਕਬਾ 6.5 ਏਕੜ ਹੈ। ਸਾਈਟ ਲੋਕਲ ਪਲੈਨਿੰਗ ਏਰੀਆ, ਅੰਮ੍ਰਿਤਸਰ ਵਿੱਚ ਪੈਂਦੀ ਹੈ। ਇਹ ਸਾਈਟ ਮਾਸਟਰ ਪਲੈਨ, ਅੰਮ੍ਰਿਤਸਰ (2010-2031) ਅਨੁਸਾਰ ਉਦਯੋਗਿਕ ਇਕਾਈਆਂ ਦੇ ਕਲਸਟਰ ਵਿੱਚ ਪੈਂਦੀ ਹੈ। ਇਸ ਸਾਈਟ ਵਿੱਚ ਉਦਯੋਗਿਕ ਯੂਨਿਟ ਪੇਸ਼ ਕੀਤੇ ਗਏ ਦਸਤਾਵੇਜ਼ (ਬਿੱਲ/ਰਜਿਸਟਰੇਸ਼ਨ ਸਰਟੀਫਿਕੇਟ) ਅਨੁਸਾਰ ਲੋਕਲ ਪਲੈਨਿੰਗ ਏਰੀਆ, ਅੰਮ੍ਰਿਤਸਰ ਨੋਟੀਫਾਈ ਹੋਣ ਤੋਂ ਪਹਿਲਾਂ ਦਾ ਚੱਲ ਰਿਹਾ ਹੈ। ਇਸ ਲਈ ਇਸ ਸਾਈਟ ਦਾ ਕੋਈ ਵਰਤੋਂ ਤਬਦੀਲ ਕਰਵਾਉਣਾ ਨਹੀਂ ਲੋੜੀਂਦਾ ਹੈ।

ਨੰਬੀ/ ਨਿੱਲ।

For Wave Beverages (P) Ltd.
Auth. Signatory
ਜ਼ਿਲ੍ਹਾ ਨਗਰ ਯੋਜਨਾਕਾਰ,
ਅੰਮ੍ਰਿਤਸਰ।
Auth. Signatory

Divisional Forest Officer
Amritsar Forest Division
Amritsar

TRANSLATION FROM PUNJABI TO ENGLISH

Department of Rural and City Planning Development, Punjab.

From

District City Planning,
Amritsar.

To

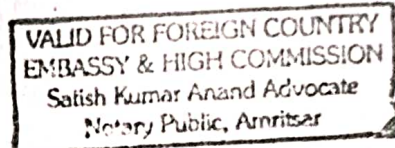
M/S. Amritsar Crown Caps Pvt. Ltd. Unit 1 & 2.

Village and Post office Nawan Kot,

Near Jandiala Guru, Amritsar.

Letter NO. 1384 DTP (A)/AL-19

Date 17/7/13



Reference: request application of applicant dated 10-7-13

Subject: Clarification of area as per latest notified Master Plan (2010-2031) falling under the Industry operating under name and style as Amritsar Crown Caps Pvt. Ltd, V.&P.O. Nawan Kot 14 km. stone, G.T. road, Jandiala Guru, Amritsar.

2. as per reference letter, on the subject case was examined and sport report is prepared. According it, it falls in Revenue Estate on Amritsar Jalandhar Road towards village Meharbanpura left side about 700 meter ahead. Site total area is 6.5 acre. Site falls in local planning area, Amritsar. this site is in Industrial Area cluster of Master Plan, Amritsar (2010-2031). In this site, according to documents of Industrial unit (bill/ registration certificate), local planning area, Amritsar is running before notified. So land of the site does not required to change.

Enclosed: nil

Sd/ District City Planning.

Amritsar.



Attested to be true copy of document
produced Translation from Punjabi/Hindi
English

Notary Public for Amritsar District
Amritsar

31 MAY 2023

Divisional Forest Officer
Amritsar Forest Division
Amritsar

Diversion of 0.2557 ha. of forest land for approach road to M/s Wave Beveragers Pvt. Ltd., at Village Nawan Kot, Amritsar-Jalandhar road, NH1 (New NH-3) Tehsil Jandiala Guru, under forest division and District Hoshiarpur, Punjab.

CA Scheme

Wage Rate: 411/-

Plants Per ha. 1000 No.

Plantation Model for Standard Plantation under Compensatory Afforestation

Advance Work and Plantation					
	Name of Work	Unit	Qty	Unit Cost (In Rs.)	Total Amt
	Nursery				25614.73
	Cost of raising plants	1.100	1100	23.29	
A	Soil Works				3124.54
1	Site /Jungle Clearance (50%)	Ha.	0.50	6249.09	1145.68
2	Alignment & Dagbailing	Ha.	1	1145.68	
3	Earth Work- (a) Digging of Pits 1000x 0.5m x0.5m x0.4m	1M ³	100	118.04	11803.73
4	Kana Stubbing 25%	Ha.	0.25	31245.31	7811.33
B	Plantation Work				2398.76
1	a) Refilling of Pits 1000 x 0.5m x0.5m x0.4m	100 cum	75	3198.35	7044.05
2	Loading & Unloading of Plants (1000+10% Wastage=1100)	100 No	1100	640.37	2520.49
3	Carriage of Plants (1000+10% Wastage=1100 avg. distance upto 10 km)	100 No	1100	229.14	1527.57
4	i) Carriage from site to site	100 No	1000	152.76	11456.77
	ii) Planting of Plants (1000 No Including 10% replacement)	100 No	1000	1145.68	2386.83
5	Spot Irrigation (1000 Plants)	100 No	1000	238.68	477.37
6	Application of Insecticide (2 times)	100 No	1000	47.74	477.37
7	Application of Fertilizers (2 times)	100 No	1000	47.74	12487.88
8	Weeding & Hoeing 3 times	100 No	3000	416.26	28641.93
9	Hand Watering (12 Times)	100 No	12000	238.68	674.26
10	Replanting of Plants 10%	100 No	100	674.26	2768.72
11	Rejungle Clearance (2 times)	Per Ha.	1	2768.72	859.26
12	Covering (25% plants) of plants	100 No	250	343.70	95.47
13	Uncovering of plants	100 No	250	38.19	7811.42
14	Restubbing of Kana (1 time)		0.25	31245.66	9165.42
15	Laying out & fixing of Barbed Wire	L/s			
16	Watch & Ward for every 10 Ha. (7 months)	Man year	1Man 7 Month	9929.20	
17	Material				
	i) Insecticides/Fertilizers	L/s			5000.00
	ii) POL	L/s			5000.00
	iii) Barbed Wire& fencing	L/s			50000.00
			Sub Total		210222.76

Divisional Forest Officer
Amritsar Forest Division
Amritsar

Maintenance I Year					
1	Cost of raising plants for 30% replacement	1 No.	300	23.29	6985.84
2	Reopening of Pits 300 x 0.50 x 0.50 x 0.30	1 m3	21.60	69.43	1499.64
3	Refilling of pits with earth in other soils 300	1 m3	21.6	31.98	690.84
4	Loading & Unloading of Plants	1 No.	300	2.86	859.26
5	Carriage of Plants (300+10% Wastage=330 avg. distance upto 10 km.)	100 No	1	228.44	228.44
6	Spreading of plants pit to pit	100 No	165	152.76	252.05
7	Re-planting Tall Plants	100 No	165	383.15	632.20
8	Spot Irrigation	100 No.	165	238.68	393.83
9	Weeding & Hoeing (thrice)	100 No	3000	416.26	12487.88
10	App. Of Fertilizer (two times)	100 No	1000	47.74	477.37
11	App. Of Insecticide (two times)	100 No	1000	47.74	477.37
12	Hand watering (6 times)	100 No	6000	416.26	24975.76
13	Rejungle Clearance (2 times)	Per Ha.	1.00	2768.72	2768.72
14	Restubbing of Kana	Per Ha.	0.25	31245.31	7811.33
15	Watch & Ward for every 10 Ha. (10 months)	Man year	1/10 Man yr.	9929.20	9929.20
16	Repair of Barbed wire	L/s			5000.00
17	POL & Machinery	L/s			5000.00
18	Material and supply	L/s			5000.00
			Sub Total		85469.70
Maintenance II Year					
1	Cost of raising plants for 15% replacement	No.	150	23.29	3492.92
2	Reopening of Pits 250 x 0.60 x 0.60 x 0.40	1 m3	21.6	69.43	1499.64
3	Refilling of pits with earth in other soils 250 x 0.60 x 0.60 x 0.40	1 m3	21.6	31.98	690.84
4	Loading & Unloading of Plants	1 No.	75	2.86	214.81
5	Carriage of Plants = 75 avg. distance upto 10 km.)	100 No	1	228.44	228.44
6	Spreading of plants pit to pit	100 No	75	152.76	114.57
7	Re-planting to tall plants	100 No	75	266.73	200.05
8	Spot Irrigation	100 No.	75	238.68	179.01
9	Weeding & Hoeing (twice)	100 No	2000	416.26	8325.25
10	Hand Watering 5 Times	100 No	500	238.68	11934.14
11	Rejungle Clearance (2 times)	Per Ha.	1.00	2768.72	2768.72
12	Pruning to plants	100 No.	100	451.30	451.30
14	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9929.20	9929.20
15	Repair of Barbed wire	L/s			5000.00
16	POL & Machinery	L/s			5000.00
17	Material and supply	L/s			5000.00
			Sub Total		55028.88


 Divisional Forest Officer
 Amritsar Forest Division
 Amritsar

Maintenance III Year					
1	Cost of raising plants for 10% replacement	1 No.	100	23.29	2328.61
2	Reopening of Pits 200 x 0.50 x 0.50 x 0.40	1 m3	10	6942.76	694.28
3	Refilling of pits with earth in other soils 100 x 0.60 x 0.60 x 0.40	1 m3	7.5	31.98	239.88
4	Loading & Unloading of Plants	1 No.	100	2.86	286.42
5	Carriage of Plants 200 avg. distance upto 10 km.)	100 No	100	1.16	116.43
6	Spreading of plants pit to pit	100 No	100	152.76	152.76
7	Re-planting to plants	100 No	100	266.73	266.73
8	Spot Irrigation	100 No.	100	238.68	238.68
9	Weeding & Hoeing (Twice)	100 No	2000	416.26	8325.25
10	Hand Watering (5 times)	100 No	5000	238.68	11934.14
11	Pruning to plants 20%	100 No.	200	451.30	902.59
12	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9929.20	9929.20
13	Repair of Barbed wire	L/s			5000.00
14	POL & Machinery	L/s			5000.00
15	Material and supply	L/s			5000.00
			Sub Total		50414.97
Maintenance IV Year					
1	Cost of raising plants for 5% replacement	1 No.	50	23.29	1164.31
2	Reopening of Pits 50 x 0.50 x 0.50 x 0.40	1 m3	5	6942.76	347.14
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 m3	3.75	31.98	119.94
4	Loading & Unloading of Plants	1 No.	50	2.86	143.21
5	Carriage of Plants = 150 avg. distance upto 10 km.)	100 No	50	1.16	58.22
6	Spreading of plants pit to pit	100 No	50	152.76	76.38
7	Re-planting to plants	100 No	50	266.73	133.37
8	Spot Irrigation	100 No.	50	238.68	119.34
9	Weeding & Hoeing (Twice)	100 No	2000	416.26	8325.25
10	Hand Watering (4 times)	100 No	4000	238.68	9547.31
11	Pruning to plants 30%	100 No.	300	451.30	1353.89
12	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9929.20	9929.20
13	Repair of Barbed wire	L/s			5000.00
14	POL & Machinery	L/s			5000.00
15	Material and supply	L/s			5000.00
			Sub Total		46317.55
Maintenance V Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
Maintenance VI Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
Maintenance VII Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20


 Divisional Forest Officer
 Amritsar Forest Division
 Amritsar

Estimate 411

Maintenance VIII Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
Maintenance IX Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
Maintenance X Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
					507029.07
	Over Head expenses 5%				25351.45
	Wages Enhancement 10%				50702.91
			G.Total		583083.43
			Or Say		

Summary of Costs

a) Cost of Plantation:

(i) Cost of plantation in 1 Hect. Area (1000

(ii) Cost of plantation for 0.36 ha. area

Rs

583083.43

Rs

209910.0

G.Total

209910



Divisional Forest Officer,
Amritsar Forest Division,
Amritsar.
Amritsar Forest Division
Amritsar



Seprate Net Present Present Value

S.No	Subject	Area	Rate	Amount
1	Diversion of 0.2557 ha. of forest land for approach road to M/s Wave Beveragers Pvt. Ltd., at Village Nawan Kot, Amritsar-Jalandhar road, NH1 (New NH-3) Tehsil Jandiala Guru, under forest division and District Hoshiarpur, Punjab.	0.2557	13,57,110	347013


 Divisional Forest Officer,
 Divisional Forest Officer,
 Amritsar Forest Division
 Amritsar



Diversion of 0.2557 HA of forest land for approach road to M/S Wave Beveragers Private Limited at Village Nawan kot, Amritsar-Jalandhar Road NH -1 (New NH-3), Tehsil Jandiala Guru, District Amritsar.

"LAND SUITABILITY CERTIFICATE BY DFO CONCERNED"

This certified that CA=0.36 ha+ Penal CA=0.432, Total 0.0864 ha=0.4464 ha. Land bearing surveyNo./compartment No. ...LBC RD 133-144 L/s ... of village. ...Kohali & Bhitte Wadh Teh.....Ajnala... District. Amritsar identified for Compensatory Afforestation is suitable for plantation for management point of view and is free from all sorts of encumbrances and encroachment.

Place...Amritsar

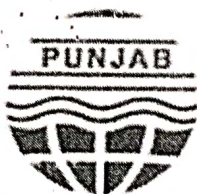
Date...22/9/23



(Divisional Forest Officer)

Divisional Forest Officer
Amritsar Forest Division
Office Seal Amritsar.....





PUNJAB POLLUTION CONTROL BOARD

164, FOCAL POINT, MEHTA ROAD, AMRITSAR.

Website:- www.ppcb.gov.in

CTE/CTO

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: R12ASR20980

Application No : 11238982

To,

Sh. Gurdeep Singh Kandhari
66, Basant Avenue, Asr
Amritsar, Amritsar-143001

Subject: Grant Varied 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981 for discharge of emissions arising out of premises.

With reference to your application for obtaining Varied 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are hereby, authorized to operate an industrial unit for discharge of the emission(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

1. Particulars of Consent to Operate under Air Act, 1981 granted to the industry

Consent to Operate Certificate No.	CTOA/Varied/ASR/2019/11238982
Date of issue :	29/11/2019
Date of expiry :	31/03/2024
Certificate Type :	Varied
Previous CTO No. & Validity :	CTOA/Renewal/ASR/ 2019/9440346 From:09/05/2019 To:31/03/2024

2. Particulars of the Industry

Name & Designation of the Applicant	Sh. Gurdeep Singh Kandhari, (Director)
Address of Industrial premises	Wave Beverages Pvt. Ltd. (previous Name As Amritsar Crown Caps Pvt. Ltd. Unit I & II), P.O. & Vill. Nawan Kot, G.t. Road, 14km. Stone, Jandiala Guru, Asr., Amritsar I, Amritsar-143115
Capital Investment of the Industry	7589.83 lakhs
Category of Industry	Red
Type of Industry	Soft drink manufacturing (discharging more than 1500lt/day of trade effluent)
Scale of the Industry	Large
Office District	Amritsar
Consent Fee Details	

Divislonal Forest Officer
Amritsar Forest Division
Amritsar

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Wave Beverages Pvt. Ltd. (previous Name As Amritsar Crown Caps Pvt. Ltd. Unit I & II). P.O. & Vill. Nawan Kot, G.t. Road, 14km. Stone, Jandiala Guru, Asr., Amritsar I, Amritsar, 143115

Raw Materials (Name with Quantity per day)	Mango Pulp @2.2Metric Tonnes/Day Sugar @0.52Metric Tonnes/Day Essence @0.32Metric Tonnes/Day Water @1080Kilo Liters/Day
Products (Name with Quantity per day)	SOFT DRINKS MAAZA MANGO @15Metric Tonnes/Day Carbonated Soft Drinks in Pet Bottles @400Kilo Liters/Day Carbonated Soft Drinks in Glass Bottles @150Kilo Liters/Day
By-products, if any, (Name with Quantity per day)	AS PER DETAIL SUBMITTED
Details of the machinery and process	AS PER DETAIL SUBMITTED
Quantity of fuel required (in TPD) and capacity of boilers/ Furnace/Thermo heater etc.	LDO @1.0Kilo Liters/Day LDO @1.0Kilo Liters/Day
Type of Air Pollution Control Devices to be installed	Others Others
Stack height provided with each boiler/thermo heater/Furnace etc.	BOILER STACK27(Ground Level)/22(Roof Level) BOILER STACK27(Ground Level)/22(Roof Level)
Sources of emissions and type of pollutants	AS PER DETAIL SUBMITTED
Standards to be achieved under Air(Prevention & Control of Pollution) Act, 1981	AS PRESCRIBED BY THE BOARD

PUNJAB



29/11/2019

(Shiv Kumar)
Environmental Engineer

For & on behalf

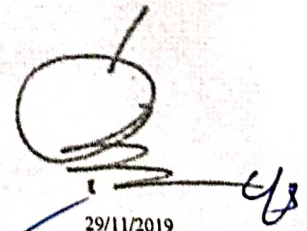
of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

A copy of the above is forwarded to the following for information and necessary action please:
THE EE, RO, ASR.

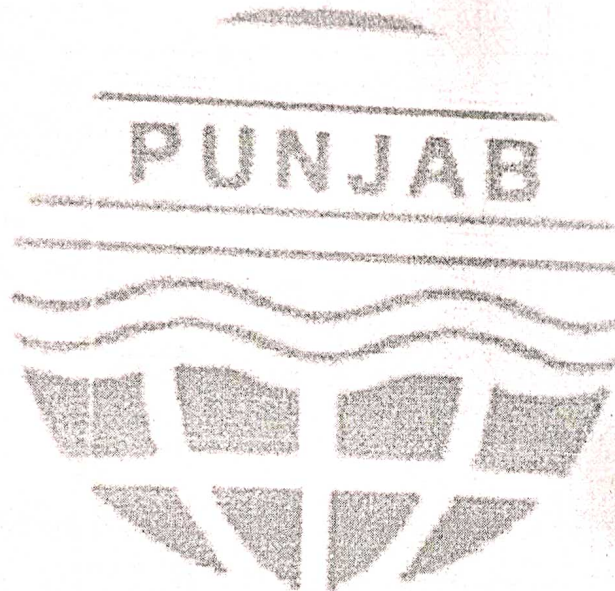


29/11/2019

Divisional Forest Officer
Amritsar Forest Division
Amritsar

"This is computer generated document from OCMMS by PPCB"

(Shiv Kumar)
Environmental Engineer
For & on behalf
of
(Punjab Pollution Control Board)



ds
Divisional Forest Officer
Amritsar Forest Division
Amritsar

Diversion of 0.2557 ha. of forest land for approach road to M/s Wave Beveragers Pvt. Ltd., at Village Nawan Kot, Amritsar-Jalandhar road, NH1 (New NH-3) Tehsil Jandiala Guru, under forest division and District Hoshiarpur, Punjab.

Penal CA

Wage Rate: 411/-

Plants Per ha. 1000 No.

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Divisional Forest Officer
Amritsar Forest Division
Amritsar

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13	Rejungle Clearance (2 times)	Per Ha.	1.00	2768.72	2768.72
14	Restubbing of Kana	Per Ha.	0.25	31245.31	7811.33
15	Watch & Ward for every 10 Ha. (10 months)	Man year	1/10 Man yr.	9929.20	9929.20
16	Repair of Barbed wire	L/s			5000.00
17	POL & Machinery	L/s			5000.00
18	Material and supply	L/s			5000.00
			Sub Total		85469.70
Maintenance II Year					
1	Cost of raising plants for 15% replacement	No.	150	23.29	3492.92
2	Reopening of Pits 250 x 0.60 x 0.60 x 0.40	1 m3	21.6	69.43	1499.64
3	Refilling of pits with earth in other soils 250 x 0.60 x 0.60 x 0.40	1 m3	21.6	31.98	690.84
4	Loading & Unloading of Plants	1 No.	75	2.86	214.81
5	Carriage of Plants = 75 avg. distance upto 10 km.)	100 No	1	228.44	228.44
6	Spreading of plants pit to pit	100 No	75	152.76	114.57
7	Re-planting to tall plants	100 No	75	266.73	200.05
8	Spot Irrigation	100 No.	75	238.68	179.01
9	Weeding & Hoeing (twice)	100 No	2000	416.26	8325.25
10	Hand Watering 5 Times	100 No	500	238.68	11934.14
11	Rejungle Clearance (2 times)	Per Ha.	1.00	2768.72	2768.72
12	Pruning to plants	100 No.	100	451.30	451.30
14	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9929.20	9929.20
15	Repair of Barbed wire	L/s			5000.00
16	POL & Machinery	L/s			5000.00
17	Material and supply	L/s			5000.00
			Sub Total		55028.88


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Maintenance III Year					
1	Cost of raising plants for 10% replacement	1 No.	100	23.29	2328.61
2	Reopening of Pits 200 x 0.50 x 0.50 x 0.40	1 m3	10	6942.76	694.28
3	Refilling of pits with earth in other soils 100 x 0.60 x 0.60 x 0.40	1 m3	7.5	31.98	239.88
4	Loading & Unloading of Plants	1 No.	100	2.86	286.42
5	Carriage of Plants 200 avg. distance upto 10 km.)	100 No	100	1.16	116.43
6	Spreading of plants pit to pit	100 No	100	152.76	152.76
7	Re-planting to plants	100 No	100	266.73	266.73
8	Spot Irrigation	100 No.	100	238.68	238.68
9	Weeding & Hoeing (Twice)	100 No	2000	416.26	8325.25
10	Hand Watering (5 times)	100 No	5000	238.68	11934.14
11	Pruning to plants 20%	100 No.	200	451.30	902.59
12	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9929.20	9929.20
13	Repair of Barbed wire	L/s			5000.00
14	POL & Machinery	L/s			5000.00
15	Material and supply	L/s			5000.00
			Sub Total		50414.97
Maintenance IV Year					
1	Cost of raising plants for 5% replacement	1 No.	50	23.29	1164.31
2	Reopening of Pits 50 x 0.50 x 0.50 x 0.40	1 m3	5	6942.76	347.14
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 m3	3.75	31.98	119.94
4	Loading & Unloading of Plants	1 No.	50	2.86	143.21
5	Carriage of Plants = 150 avg. distance upto 10 km.)	100 No	50	1.16	58.22
6	Spreading of plants pit to pit	100 No	50	152.76	76.38
7	Re-planting to plants	100 No	50	266.73	133.37
8	Spot Irrigation	100 No.	50	238.68	119.34
9	Weeding & Hoeing (Twice)	100 No	2000	416.26	8325.25
10	Hand Watering (4 times)	100 No	4000	238.68	9547.31
11	Pruning to plants 30%	100 No.	300	451.30	1353.89
12	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9929.20	9929.20
13	Repair of Barbed wire	L/s			5000.00
14	POL & Machinery	L/s			5000.00
15	Material and supply	L/s			5000.00
			Sub Total		46317.55
Maintenance V Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
Maintenance VI Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
Maintenance VII Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20


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Maintenance VIII Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
Maintenance IX Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
Maintenance X Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
					507029.07
	Over Head expenses 5%				25351.45
	Wages Enhancement 10%				50702.91
			G.Total		583083.43
			Or Say		

Summary of Costs

a) Cost of Plantation:

(i) Cost of plantation in 1 Hect. Area (1000

Rs

583083.43

(ii) Cost of plantation for 0.0432*2 times (0.0864 ha) area

Rs

50378

G.Total

50378


Divisional Forest Officer,
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Diversion of 0.2557 ha. of forest land for approach road to M/s Wave Beveragers Pvt. Ltd., at Village Nawan Kot, Amritsar-Jalandhar road, NH1 (New NH-3) Tehsil Jandiala Guru, under forest division and District Hoshiarpur, Punjab.

Penal Net Present Value

Wage Rate: 411/-

Plants Per ha. 1000 No.

Plantation Model for Standard Plantation under Compensatory Afforestation

Advance Work and Plantation					
	Name of Work	Unit	Qty	Unit Cost (In Rs.)	Total Amt
	Nursery				
	Cost of raising plants	1.100	1100	23.29	25614.73
A	Soil Works				
1	Site /Jungle Clearance (50%)	Ha.	0.50	6249.09	3124.54
2	Alignment & Dagbailing	Ha.	1	1145.68	1145.68
3	Earth Work- (a) Digging of Pits 1000x 0.5m x0.5m x0.4m	1M ³	100	118.04	11803.73
4	Kana Stubbing 25%	Ha.	0.25	31245.31	7811.33
B	Plantation Work				
1	a) Refilling of Pits 1000 x 0.5m x0.5m x0.4m	100 cum	75	3198.35	2398.76
2	Loading & Unloading of Plants (1000+10% Wastage=1100)	100 No	1100	640.37	7044.05
3	Carriage of Plants (1000+10% Wastage=1100 avg. distance upto 10 km)	100 No	1100	229.14	2520.49
4	i) Carriage from site to site	100 No	1000	152.76	1527.57
	ii) Planting of Plants (1000 No Including 10% replacement)	100 No	1000	1145.68	11456.77
5	Spot Irrigation (1000 Plants)	100 No	1000	238.68	2386.83
6	Application of Insecticide (2 times)	100 No	1000	47.74	477.37
7	Application of Fertilizers (2 times)	100 No	1000	47.74	477.37
8	Weeding & Hoeing 3 times	100 No	3000	416.26	12487.88
9	Hand Watering (12 Times)	100 No	12000	238.68	28641.93
10	Replanting of Plants 10%	100 No	100	674.26	674.26
11	Rejungle Clearance (2 times)	Per Ha.	1	2768.72	2768.72
12	Covering (25% plants) of plants	100 No	250	343.70	859.26
13	Uncovering of plants	100 No	250	38.19	95.47
14	Restubbing of Kana (1 time)		0.25	31245.66	7811.42
15	Laying out & fixing of Barbed Wire	L/s			9165.42
16	Watch & Ward for every 10 Ha. (7 months)	Man year	1Man 7 Month	9929.20	9929.20
17	Material				
	i) Insecticides/Fertilizers	L/s			5000.00
	ii) POL	L/s			5000.00
	iii) Barbed Wire& fencing	L/s			50000.00
			Sub Total		210222.76

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Maintenance I Year					
1	Cost of raising plants for 30% replacement	1 No.	300	23.29	6985.84
2	Reopening of Pits 300 x 0.50 x 0.50 x 0.30	1 m3	21.60	69.43	1499.64
3	Refilling of pits with earth in other soils 300	1 m3	21.6	31.98	690.84
4	Loading & Unloading of Plants	1 No.	300	2.86	859.26
5	Carriage of Plants (300+10% Wastage=330 avg. distance upto 10 km.)	100 No	1	228.44	228.44
6	Spreading of plants pit to pit	100 No	165	152.76	252.05
7	Re-planting Tall Plants	100 No	165	383.15	632.20
8	Spot Irrigation	100 No.	165	238.68	393.83
9	Weeding & Hoeing (thrice)	100 No	3000	416.26	12487.88
10	App. Of Fertilizer (two times)	100 No	1000	47.74	477.37
11	App. Of Insecticide (two times)	100 No	1000	47.74	477.37
12	Hand watering (6 times)	100 No	6000	416.26	24975.76
13	Rejungle Clearance (2 times)	Per Ha.	1.00	2768.72	2768.72
14	Restubbing of Kana	Per Ha.	0.25	31245.31	7811.33
15	Watch & Ward for every 10 Ha. (10 months)	Man year	1/10 Man yr.	9929.20	9929.20
16	Repair of Barbed wire	L/s			5000.00
17	POL & Machinery	L/s			5000.00
18	Material and supply	L/s			5000.00
			Sub Total		85469.70
Maintenance II Year					
1	Cost of raising plants for 15% replacement	No.	150	23.29	3492.92
2	Reopening of Pits 250 x 0.60 x 0.60 x 0.40	1 m3	21.6	69.43	1499.64
3	Refilling of pits with earth in other soils 250 x 0.60 x 0.60 x 0.40	1 m3	21.6	31.98	690.84
4	Loading & Unloading of Plants	1 No.	75	2.86	214.81
5	Carriage of Plants = 75 avg. distance upto 10 km.)	100 No	1	228.44	228.44
6	Spreading of plants pit to pit	100 No	75	152.76	114.57
7	Re-planting to tall plants	100 No	75	266.73	200.05
8	Spot Irrigation	100 No.	75	238.68	179.01
9	Weeding & Hoeing (twice)	100 No	2000	416.26	8325.25
10	Hand Watering 5 Times	100 No	500	238.68	11934.14
11	Rejungle Clearance (2 times)	Per Ha.	1.00	2768.72	2768.72
12	Pruning to plants	100 No.	100	451.30	451.30
14	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9929.20	9929.20
15	Repair of Barbed wire	L/s			5000.00
16	POL & Machinery	L/s			5000.00
17	Material and supply	L/s			5000.00
			Sub Total		55028.88


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Maintenance III Year					
1	Cost of raising plants for 10% replacement	1 No.	100	23.29	2328.61
2	Reopening of Pits 200 x 0.50 x 0.50 x 0.40	1 m3	10	6942.76	694.28
3	Refilling of pits with earth in other soils 100 x 0.60 x 0.60 x 0.40	1 m3	7.5	31.98	239.88
4	Loading & Unloading of Plants	1 No.	100	2.86	286.42
5	Carriage of Plants 200 avg. distance upto 10 km.)	100 No	100	1.16	116.43
6	Spreading of plants pit to pit	100 No	100	152.76	152.76
7	Re-planting to plants	100 No	100	266.73	266.73
8	Spot Irrigation	100 No.	100	238.68	238.68
9	Weeding & Hoeing (Twice)	100 No.	2000	416.26	8325.25
10	Hand Watering (5 times)	100 No	5000	238.68	11934.14
11	Pruning to plants 20%	100 No.	200	451.30	902.59
12	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9929.20	9929.20
13	Repair of Barbed wire	L/s			5000.00
14	POL & Machinery	L/s			5000.00
15	Material and supply	L/s			5000.00
			Sub Total		50414.97
Maintenance IV Year					
1	Cost of raising plants for 5% replacement	1 No.	50	23.29	1164.31
2	Reopening of Pits 50 x 0.50 x 0.50 x 0.40	1 m3	5	6942.76	347.14
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 m3	3.75	31.98	119.94
4	Loading & Unloading of Plants	1 No.	50	2.86	143.21
5	Carriage of Plants = 150 avg. distance upto 10 km.)	100 No	50	1.16	58.22
6	Spreading of plants pit to pit	100 No	50	152.76	76.38
7	Re-planting to plants	100 No	50	266.73	133.37
8	Spot Irrigation	100 No.	50	238.68	119.34
9	Weeding & Hoeing (Twice)	100 No	2000	416.26	8325.25
10	Hand Watering (4 times)	100 No	4000	238.68	9547.31
11	Pruning to plants 30%	100 No.	300	451.30	1353.89
12	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9929.20	9929.20
13	Repair of Barbed wire	L/s			5000.00
14	POL & Machinery	L/s			5000.00
15	Material and supply	L/s			5000.00
			Sub Total		46317.55
Maintenance V Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
Maintenance VI Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
Maintenance VII Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20


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Maintenance VIII Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
Maintenance IX Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
Maintenance X Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9929.20	9929.20
			Sub Total		9929.20
	Over Head expenses 5%				507029.07
	Wages Enhancement 10%				25351.45
					50702.91
			G.Total		583083.43
			Or Say		

Summary of Costs

Net Present Value as fixed by Govt.

- a) for open area diverted @ Rs.1357110 per ha.

0.2557 Area *1357110=347013

347013*1 (one time)=347013

12% Interest =347013*12%=41639

Total=388652

388652

G.Total

388652

~~Divisional Forest Officer,~~
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Amritsar

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