Subject: Reply for the query raised on 15.09.2017
Reference no.: Proposal No. IA/PB/IND2/67956/2017

Sir,

With reference to above cited subject and matter, we are hereby submitting our reply for your queries which are as follows:

1. The EC issued for the existing unit of production capacity of 110 MT in terms of the provisions of the EIA Notification, 1994/2006, and/or the statutory clearances from the SPCB

   Enclosed herewith the following documents:
   - EC of existing production capacity of 110 MT/month of Hydrazine Hydrate (3.7 MT/day).
   - Consent to Operate (Air & water) – for Existing production Unit.

2. The land use of the project site permitting its use for industrial operations

   The area identified entirely comes within industrial use; because the site is within the existing production unit. Additionally enclosed herewith the notification published by Govt. of Punjab, department of Industries, NO.: 3/4/87-3IB1/311 dated 9.1.90, which identifies the Bhagwanpur village as a ‘Free Enterprise Zone’.

3. Details of different products proposed to be manufactured, and the justification for the applicability of the EIA Notification, 2006.

   Details of Products proposed for expansion has been described below and the proposed project comes under 5(f) Category ‘B’ as per EIA Notification, 2006 (category ‘B’ criteria - Project site Located in a notified industrial area/ estate). But due to the absence of Punjab State Expert Appraisal committee/ SEIAA the project converted as Category ‘A’ project. All projects or activities included as Category ‘B’ in the Schedule, including expansion and modernization of existing projects or activities as specified in sub paragraph (ii) of paragraph 2 (Expansion and modernization of existing projects or activities listed in the Schedule to this
notification with addition of capacity beyond the limits specified for the concerned sector, that is, projects or activities which cross the threshold limits given in the Schedule, after expansion or modernization), or change in product mix as specified in sub paragraph (iii) of paragraph 2, but excluding those which fulfill the General Conditions (GC) stipulated in the Schedule, will require prior environmental clearance from the State/Union territory Environment Impact Assessment Authority (SEIAA). The SEIAA shall base its decision on the recommendations of a State or Union territory level Expert Appraisal Committee (SEAC) as to be constituted for in this notification. In the absence of a duly constituted SEIAA or SEAC, a Category ‘B’ project shall be treated as a Category ‘A’ project.

We hope you will find the above in order and we request you to kindly process our case towards issuance of TOR at the earliest.

Thanking You,

Yours faithfully,

[Signature]

For HPL ADDITIVES LIMITED

Authorized Signatory
Registered

To
M/s HPL Additives Ltd.,
(Formerly known as High Polymer Labs Ltd.),
Village Bhagwanpur, Tehsil Dera Bassi,
Distt. SAS Nagar

Subject: Environmental clearance as required under the Press Note 17
(1984 series) by SCA-cum-SAC.

It is intimated that the application of the industry for carrying out
expansion of its existing unit located in an area of 9 hectares in the revenue estate
of Village Bhagwanpur, Tehsil Dera Bassi, District SAS Nagar for manufacturing of
1,2,4 Triazole @ 1.2 MT/day in addition to the existing product i.e. Hydrazine
Hydrate @ 3.7 MT/day, was considered by the SCA-cum-SAC in its 74th meeting held
on 23.12.2011. It has been decided to grant the clearance of site from
environmental angle under Press Note 17 (1984 series) to the industry subject to the
following conditions:

Conditions by P.P.C.B.
1. The industry shall obtain NOC from the PPCB as required under the provisions
   of the Water (Prevention & Control of Pollution) Act, 1974 and the Air
   (Prevention & Control of Pollution) Act, 1981.

Conditions by DOF
2. All the reactions will be carried in the close vessels.
3. The industry will provide flame proof electric fittings.
4. No manual handling of chemicals will be done.
5. The industry will make appropriate arrangements for the extinguishers.
6. The industry will upgrade the emergency plan and health and safety policy
   from time to time.
7. The building plans of the factory should be got approved from Director of
   Factories, Punjab and other concerned departments such as PUDA and CTP
   etc.
8. Names and connecting telephone numbers of nearby health institutions
   should be displayed on the Board and made known to all concerned in the
   vicinity of the plant also.
PUNJAB POLLUTION CONTROL BOARD

ZONEAL OFFICE-I, PATIALA

Website:- www.ppcb.gov.in

Industry ID: R12SAS41660

No: R16SASCTOA3226461

Registered

Date: 04/01/2016

To

M/s Hpl additives ltd
Vill., bhagawanpura, barwala road, derabassi
Derabassi
140507

Tehsil: Derabassi
District: Sas nagar

Subject:- Renewal of consent no. ZO-I/SAS Nagar/APC/2012/V-236 dated 20/04/2012 granted under the provisions of the Air (Prevention & Control of Pollution) Act, 1981.

Reference: R16SASCTOA3226461

Application No: 3226461

Date: 04/01/2016

This is with reference to the application made by the industry for renewal of consent granted by the Board under the Air (Prevention & Control of Pollution) Act, 1981.

The consent to operate granted to the industry vide no. ZO-I/SAS Nagar/APC/2012/V-236 dated 20/04/2012 (valid up to 30/09/2012) under the Air (Prevention & Control of Pollution) Act, 1981 and extended upto 30/09/2015 vide letter no. 881 dated 13/02/2013, is hereby, renewed upto 31/3/2018 with the same conditions as mentioned therein.

All other contents shall remain unchanged. This letter be appended with the original consent no. ZO-I/SAS Nagar/APC/2012/V-236 dated 20/04/2012 issued to the industry vide Board's letter no. 1989 dated 20/04/2012 under the Air (Prevention & Control of Pollution) Act, 1981 and its subsequent extension.

for & on behalf of

Pb. Pollution Control Board

Endst. No. Dated

A copy of the above is forwarded to the Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar for information and necessary action.

for & on behalf of

Pb. Pollution Control Board
No: R16SASCTOW3225569
To
M/s Hpl additives ltd
Vill., bhagawanpura, barwala
road, derabassi
140507
Derabassi
Sas nagar

Registered

Date: 04/01/2016

No. 19
Oct 4/1/16


Reference :R16SASCTOW3225569 Application No. :3225569 Dated :04/01/2016

This is with reference to the application made by the industry for renewal of consent granted by the Board under the Water (Prevention & Control of Pollution) Act, 1974.

The consent to operate granted to the industry vide no. ZO-I/SAS Nagar/WPC/2011-12/F-200 dated 19/04/2011 (valid upto 30/09/2012) under the Water (Prevention & Control of Pollution) Act, 1974 and extended upto 30/09/2015 vide letter no. 7920 dated 05/12/2012, is hereby, renewed upto 31/3/2018 with the same conditions as mentioned therein.

All other contents shall remain unchanged. This letter be appended with the original consent no. ZO-I/SAS Nagar/WPC/2011-12/F-200 dated 19/04/2011 issued to the industry vide Board's letter no. 2234 dated 19/04/2011 under the Water (Prevention & Control of Pollution) Act, 1974 and its subsequent extension.

For & on behalf of
Pb. Pollution Control Board
Endst. No. 
Dated 

A copy of the above is forwarded to the Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar for information and necessary action.

For & on behalf of
Pb. Pollution Control Board
PUNJAB POLLUTION CONTROL BOARD
Vatavaran Bhawan, Nabha Road, Patiala

No. HWM/SAS/2016/3992284
Registered
Dated: 25/10/2016

To
Hpl additives ltd
Vill., bhagawanpura, barwala road,derabassi
Derabassi
Tehsil :Derabassi
District :Sas nagar


<table>
<thead>
<tr>
<th></th>
<th>(a) Number of authorization</th>
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<tr>
<td>(b)</td>
<td>Date of issue</td>
<td>:</td>
<td>25/10/2016</td>
</tr>
<tr>
<td>(c)</td>
<td>Date of Expiry</td>
<td>:</td>
<td>31/03/2021</td>
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</tbody>
</table>
| (d) | Category and Quantity of Hazardous Wastes | : | Hazardous Waste categories as per Schedule-I appended with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016
5.1 Used/spent oil @ 1.5 KL/Year
33.1 Empty barrels / containers / liners contaminated with hazardous wastes / chemicals @ 60 no./year
35.3 Chemical sludge from waste water treatment @ 3 ton/year |
| (e) | Scale of Industry | : | Large |

2. Sh. SAT PAL SINGH of M/S Hpl additives ltd is hereby granted an authorization to operate a facility for Collection, Storage, Disposal, of hazardous waste in the premises situated at Vill., bhagawanpura, barwala road, derabassi Derabassi Sas nagar

3. The industry shall apply for renewal of Authorization two months before the date of expiry of this authorization.

4. The industry will dispose off its hazardous waste to authorized recycler as per the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008.

5. Special Conditions if any typed manually.
1. The industry shall store its hazardous waste generated in category no. 5.1, 33.1 and 35.3 within its premises in an environmentally sound manner as per provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

2. The industry shall dispose of its hazardous waste category no. 5.1 & 33.1 to the authorized recycler / reprocessor having valid Registration Certificate-cum-Pass Book from Punjab Pollution Control Board/ Central Pollution Control Board and valid authorization of the State Board under the said Rules and 'consents to operate' under the Water Act, 1974 & the Air Act, 1981.

3. The industry shall dispose off its hazardous waste generated in category no. 35.3 to the Common Hazardous Waste Treatment & Disposal Facility as per provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

4. The industry shall handle the hazardous waste(s) strictly in accordance with the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and guidelines issued by Central Pollution Control Board / Ministry of Environment & Forests and Climate Change, New Delhi.

for & on behalf of
Pb. Pollution Control Board

Endst. No. ______________ Dated __________

A copy of the above is forwarded to the Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar for information and necessary action.

for & on behalf of
Pb. Pollution Control Board
GOVERNMENT OF PUNJAB
DEPARTMENT OF INDUSTRIES

NOTIFICATION

NO.: 3/4/87-3IB1/311 dated 9.1.90

With a view to regulate siting, location & growth of industries in Chandigarh Periphery and its Sub-Region in the State of Punjab, the Dera Bassi- Mubarakpur belt as specifically defined in the Schedule of boundaries and the list of villages appended with the plan Drg.No.DTP(SAS Nagar) 688/89 dated 26.10.1989 is notified as "Free Enterprise Zone" for grant of Industrial Incentives and other benefits to industries in the Chandigarh Periphery in Punjab. This notification shall be read with the following:

* Appendix I : F.E.Z Schedule of Boundaries.
* Appendix II : List of villagers in F.E.Z

2. Free Enterprise Zone boundary as given in the schedule and the area covered in the list of villages in this notification where required shall also be read with the permissible land uses in the Master Plan for Dera Bassi Ring Town prepared by the T & C.P, Deptt. with such changes, if any, incorporated in the said Master Plan from time to time as may be approved by the State Government.

3. The registration & licensing of industries, collaboration of industrial projects by PFC,PSIDC, PAIC, PSIEC etc. and the scheme of incentives set out in the Punjab Industrial Incentive Rules notified vide No.28/35/78/51 EI-79/1464 dated 21st March, 1979 and as amended from time to time shall be limited to the permissible industrial use zones only i.e. Free Enterprise Zone in the Chandigarh Periphery and the Industrial Zone in Dera Bassi Ring Town Master Plan. Such facilities will not be extended to industrial units located outside the permissible industrial land use zones.

4. This supersedes and excludes the Backward Area, Border Area Sub-montano Area & Bet Area identified in the rules issued vide notification No.28/35/78/51 BI-79/1464 dt. 21.3.1979 and No.Sur/St/184/Phery/2091-92C dated 17.2.1987 and all such other areas & notifications issued by the State Government from time to time to the extent they relate to the Chandigarh Periphery and Sub-Region in Punjab and otherwise not specifically covered in para 3 above.

5. The siting & location of industries in F.E.Z shall be regulated by such guidelines approved by the State Government. The guidelines shall include any or all of the requirements to check environmental degradation and also meet the physical development needs & zoning controls with provisions to recover development charges for meeting requisite infrastructure, public utilities and amenities. The provisions in the guidelines and regulations shall also be reflected and read with the F.E.Z Development Plan.

6. Building applications for setting up of industries in permissible land use zones made u/s 5 & 6 of the Punjab New Capital (Periphery) Control Act,1952 shall be scrutinized by a Building Committee constituted by the Urban Development Department with a view to expedite processing and approval of the building applications under the Act,1952.
7. This issues with the concurrence of the T&CP, Housing and Urban Development Departments vide No.3/2/86-3HGIII/7086 dated 27-12-1989 granting relaxation in the siting of industries and change of use of agriculture land for industrial use in exercise of powers under Section 10 & 11 of the Punjab New Capital(Periphery) Control Act, 1952.

Secretary to Government Punjab
Department of Industries.
APPENDIX-I

SCHEDULE OF BOUNDARIES - FREE ENTERPRIZE ZONE - DERA BASSI MUBARAKPUR BELT IN CHANDIGARH PERIPHERY AND ITS SUB REGION IN THE STATE OF PUNJAB.

NORTH: Starting from point 'A' which is situated on the North-Eastern boundary of the Bhankharpur – Mubarakpur road at a distance of 100 mts. from National Highway No.22, (Chandigarh-Ambala-Delhi Road) thence towards North-East along the Eastern boundary of Bhankharpur – Mubarakpur Road upto point 'B' where the Northern boundary of Mohan Maken Factory meets with the Bhankharpur-Mubarakpur road, thence from Point 'B' towards East upto point 'C' which is situated on the Eastern boundary of the Kalka-Ambala Railway line, thence from point 'C' towards North along Eastern boundary of the Kalka-Ambala Railway line up to point 'D' which is situated at a distance of 2100 feet from point 'C', thence from point 'D' towards East upto point 'E' which is formed on the Eastern boundary of Urbanisable Limit of Dera Bassi and at a distance of 2850 feet from point 'D' thence from point 'E' towards North along the Urbanisable Limit of Dera Bassi upto Point 'F' which is North East point of Urbanisable limit, thence from point 'F' towards West along the Urbanisable limit upto point 'G' which is situated on the Eastern side of Kalka-Dera Bassi road where it meets the urbnsible limit, thence from Point 'G' towards north upto point 'H' which is on the Eastern side of Kalka-Dera Bassi Road at a point meeting Southern side of Ghaggar river, thence from point 'H' towards East along the Southern side of River Ghaggar passing through the area of village Mubarakpur H.B. No.357, and thereafter along Northern corner of village Pandwala H.B.No.359, Western boundary of village Mor Thikari, H.B.N.361 and upto Point 'I' which is formed at the junction of North-West corner of village Mor Thikari H.B.No.361 meeting with Chandigarh Periphery Controlled Area boundary falling in State of Punjab, thence from Point 'I' along Chandigarh Periphery Controlled Area boundary along the North-Eastern boundary of village Dafarpur H.B.No.360, Eastern boundary of village Mor Thikari H.B.No.361, North-Eastern boundary of village Sundran H.B.No.363 upto point 'J' which is South-Eastern corner of village Sundran H.B.No.363 meeting with the Chandigarh Periphery Controlled Area boundary.

EAST: Starting from point 'J' East and then Southern boundary of village Nimbni, H.B.No.1, Bahadurgarh H.B.No.2, village Rampur Sainian H.B.No.200, village Bhankharpur H.B.No.198 and village Behra H.B.No.198 along Chandigarh Periphery Controlled Area boundary upto point 'K' which is formed at the junction of South-East corner of village Behra meeting with Chandigarh Periphery Controlled Area boundary.

SOUTH: Starting from point 'K' towards Western boundary of village Behra H.B.No.198 village Kurranwala H.B.No.4, village Gulabgarh H.B.No.9, Mahiwala H.B.No.5 village Dadrala H.B.No.8, along the Chandigarh Periphery Controlled Area boundary upto the point 'L' which is formed at the junction of South-West corner of village Dadrala H.B.No.8 meeting with Chandigarh Periphery Controlled Area boundary.

WEST: Starting from point 'L' towards North along the Western boundary of village Dadrala H.B.No.8 and Mahiwala H.B.No.5 upto point 'M' which is formed at the junction of South-West corner of village Mahiwala H.b.No.5 meeting the Urbanisable Limit of Dera Bassi, thence from point 'M' towards North upto point
'N' which is formed at the junction of Urbanisable limit meeting the Northern side of Choe in village Madhopur H.B.No.11, thence from point 'N' towards West along the Northern side of Choe up to point 'O' which is formed at the junction of Choe with Chandigarh-Ambala-Delhi road at a distance of 100 meters from Chandigarh-Ambala-Delhi road (N.H.No.22) thence from Point 'O;' along Eastern boundary of Chandigarh-Ambala road leaving a distance of 100 mts. along the road upto point 'A' which is the point of start.

The boundaries of Free Enterprise Zone of the Mubarakpur-Dera Bassi complex are more clearly and specifically shown on Drg.No.DTP(SAS Nagar)688/89 dt. 26.10.1989(Appendix-III).

LIST OF VILLAGE : FALLING IN THE FREE ENTERPRISE ZONE FEZ-DERA BASSI-MUBARAKPUR BELT IN CHANDIGARH PERIPHERY AND ITS SUB REGION IN THE STATE OF PUNJAB

<table>
<thead>
<tr>
<th>Sr.No.</th>
<th>Name of Village</th>
<th>H.B.No.</th>
<th>Area in Hect.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mor Thikari</td>
<td>361</td>
<td>83.00</td>
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<tr>
<td>2.</td>
<td>Pandwala</td>
<td>359</td>
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<tr>
<td>3.</td>
<td>Sundran</td>
<td>363</td>
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<tr>
<td>4.</td>
<td>Mirpur(Min)</td>
<td>356</td>
<td>37.00</td>
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<tr>
<td>5.</td>
<td>Mubarakhpur(min)</td>
<td>357</td>
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</tr>
<tr>
<td>6.</td>
<td>Haibatpur</td>
<td>358</td>
<td>211.00</td>
</tr>
<tr>
<td>7.</td>
<td>Dafarpur</td>
<td>360</td>
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<tr>
<td>8.</td>
<td>Kheri</td>
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<tr>
<td>9.</td>
<td>Behra</td>
<td>198</td>
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</tr>
<tr>
<td>10.</td>
<td>Bhagwanpur</td>
<td>199</td>
<td>178.00</td>
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<tr>
<td>11.</td>
<td>Rampur Sainian</td>
<td>200</td>
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<tr>
<td>12.</td>
<td>Nimnia</td>
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<tr>
<td>13.</td>
<td>Bahadurgarh</td>
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<td>14.</td>
<td>Haripur Hinduan</td>
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<td>15.</td>
<td>Kurranwala</td>
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<tr>
<td>16.</td>
<td>Mahiwala</td>
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<tr>
<td>17.</td>
<td>Dadrala</td>
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<td>18.</td>
<td>Gulabgarh(min)</td>
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<td>Saidpura</td>
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<td>20.</td>
<td>Madhopur(min)</td>
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<td>63.00</td>
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<tr>
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<td>Rauni(Min)</td>
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<td>23.</td>
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<td>128.00</td>
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</tbody>
</table>

TOTAL - 4892.00(Hectare(s)
From

The Director of Industries, Punjab.

To

1) All the General Managers in the State except, GM, DIC, Patiala.
3) The President, M/S Steel Re-Rolling Mills, Assocn of India, G.T.Road, Mandi, Gobindgarh.
4) The President, M/S All India Steel Re-Rollers Association, Ram Bhawan, G.T. Road.Mandi.Gobindgarh.
5) The President, M/S Steel Chamber of Commerce & Industry Mandi Gobindgarh.
6) The President, M/S Patiala Industrial Estate’s Association, Sirhind Road, Patiala.
7) The President, M/S The Nabha Agricultural Implements Mfgs. Associations, Patiala, Road, Nabha.
8) The President, M/S Dera-Bassi Industries Associations, C/o M/s JMA Industries Ltd. Ambala-Chandigarh Road, Dera-Bassi.
9) The President, Patiala District Chamber of Industries, Malwa Picture & Palace Complex, The Mall Patiala.

Memo.No.SI/51/184/peri-phyre/ACT/58/II/13353E
Dated, Chandigarh the :- 4/11/91

Subject Approval of Guidelines to the followed for erecting of Industries of Buildings in Dera Bassi, Mubarakpur FEZ Area.

A copy of Guidelines for location and siting erection & re-erection of Industries in the permissible use zone i.e. Free Enterprise Zone (FEZ) in the Chandigarh periphery in Punjab duly approved by the committee constituted by the Govt. is enclosed herewith with the request that there may kindly be noted from your members entrepreneurs. You are also requested to display their guidelines of the notice Boards of your office.

Deputy Director(SI),
For Director of Industries, Punjab.


A copy along with guidelines mentioned above is forwarded to the following for information and necessary action:-

1. General Manager, Distt..Ind.Centre.Patiala.
   She is requested to display their guidelines on the notice Board of her office. She is also requested to inform the entrepreneur who are interested to set up their units in the Dera-Bassi Mubarakpur Free Entrepreneur Zone (FEZ). She may also direct BLEO(I) Dera-Bassi for strict compliance.

2. Director Housing and Urban Dev. Pb. Chandigarh for information and necessary action with ref. to his Memo.No.CA-3(FEZ) 91/12468 Dt. 22.8.91.

Deputy Director (SI)
For Director of Industries, Punjab
1. INTRODUCTION:

The scheme of incentives set out in the Punjab industrial incentives rules notified vide No. 28/35/78/51-II-79/1464, dated 21.3.79 and as amended from time to time is presently applicable to the entire sub-montanous belt falling within Chandigarh periphery. These incentives would now be available only in the identified F.E.Z area within Chandigarh periphery and sub-Region in the State of Punjab, “Free Enterprise Zone” at Dera Bassi Mubarakpur in the Chandigarh Periphery has been identified for location & Siting of industries in clusters instead of linear haphazard growth of industries along National/State Highways. This allows change of use of agriculture land for industries as required u/s 10 & 11 of the Punjab New Capital Periphery Control Act, 1952. The predominant use of land as “Agriculture” in the F.E.Z would continue with hardly 5% to 10% of the identified area actually used for industries in the next 10 years. Guidelines to protect the F.E.Z area from environmental degradation and to meet the physical development needs & zoning controls with provisions to recover development charges for providing infrastructure and basic facilities have been framed. These specifically relate to regulating use of land & local growth of medium & large industries in F.E.Z.

2. PROCESSING OF BUILDING APPLICATIONS:

The processing of building applications in the permissible use zone i.e. Free Enterprise Zone will be done by a Building Committee constituted by the Govt vide notification. The following members to expedite processing of building applications u/s 5 & 6 of the Punjab New Capital (Periphery) Control Act, 1950.

1. Director, Housing and Urban Dev. Punjab, Chandigarh or his representative. Chairman
2. Divisional Town Planner, SAS Nagar Member
3. Chief Architect or his representative, Deptt. of Architecture, Punjab, Chandigarh. Member
4. Director Science and Technology Punjab, Chandigarh or his representative. Member
5. Executive Engineer, PWD(Public Health) Punjab, Chandigarh. Member
6. A representative of the Punjab Pollution Control Board, Patiala. Member
7. Additional Director Industries, Punjab Member

3. TYPE OF INDUSTRIES & ENVIRONMENTAL REQUIREMENTS:

i) Industry emitting toxic or other gases, excessive chemicals and discharging Polluting effluents which can pollute air water or land besides causing noise pollution in excess of the permissible norms shall not be permitted from the date of notification of F.E.Z.

ii) Every industry will be required to obtain NOC for clearance from environmental angle from Competent State Authority constituted by State Govt. Punjab State Board for prevention and Control of Water & Air Pollution or from any other agency specified by the State Govt. from time to time prior to setting up of industry.
iii) All industrial effluents including sewerage water shall be treated by the entrepreneur within the premises in acceptable tolerance limits so as to bring all toxic matters within the permissible limits and shall be properly treated to the satisfaction of the Pb. State Board for prevention & Control of Water Pollution to conform to the specified standards and norms and shall be discharged in such a manner that such treated water (effluents) do not cause pollution in the surrounding area. However, in no case effluents shall be discharged into the open lands, road reservation. Further sullage water shall be disposed of within the site.

iv) The industrial entrepreneur will take all necessary measures as per conditions laid out in NOC for control of all type of pollution to the satisfaction of the board before commissioning the unit.

v) No existing tree will be cut or removed and all such trees shall be deemed to be protected trees as per the requirement laid down in the "FREE RESERVATION ORDER, 1952," unless such trees interfere in the construction of Buildings, as per approved building plans, road operation etc.

vi) Minimum of 10% of the total plotted area shall be used for extensive tree plantation and landscaping as per the list enclosed.

4. PHYSICAL DEVELOPMENT NEEDS:

ii) Site shall not be located in a lowlying area and no natural water course shall form part of the site. However, local depressions/lowlying portion are permitted for construction of basement etc. provided the remaining area is filled and brought to the crown level of the abutting roads.

iii) The site shall abut on a pucca rasta or through road having minimum road width of 6-8 metres (4-5 karam) provided further that no road within the FEZ shall have an ultimate width of less than 20 metres for which the boundary wall shall accordingly be set back on either side of road proportionately to achieve the minimum width.

iv) No construction shall be allowed beneath the HT/ electric lines. Where such lines pass through the industrial site the construction shall conform to the PSEB standards & norms.

v) No industry shall however be permitted within a distance of 500 meters from Lal-Lakir of village, orchards and public utility areas etc. for environmental protection.

vi) No direct entry or exit from National & State Highway, Scheduled Roads to a particular industry shall be permitted.

vii) Transport & communication zone restrictions as identified in the Controlled Area Plan prepared for the Periphery Controlled Area under the Periphery Control Act, 1952 shall be applicable in the FEZ.

5. ZONING CONTROL:

i) Use Zone:- The type of building to be constructed in the site shall be for the industrial purposes and purposes subservient to industry.

iii) Site Coverage & Floor space index:- Maximum permissible ground coverage shall not exceed 45% of the unable sites (excluding the area required for road widening). Further the FAR on the floor shall not exceed 0.75. However, in order to meet the residential requirements for essential staff maximum 5% of the plot area can be used.

iv) Building set back lines:- Minimum building set back from the boundary wall shall be as under:

<table>
<thead>
<tr>
<th>Plot area (excluding area required for road widening)</th>
<th>Front set back</th>
<th>Side set back</th>
<th>Rear set back</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th></th>
<th>Below ½ acre</th>
<th>½ Acre to 1 Acre</th>
<th>Above 1 acre</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8 metre</td>
<td>10 metre</td>
<td>15 metre</td>
</tr>
<tr>
<td></td>
<td>4 metre</td>
<td>5 metre</td>
<td>5 metre</td>
</tr>
<tr>
<td></td>
<td>5 metre</td>
<td>6 metre</td>
<td>6 metre</td>
</tr>
</tbody>
</table>

v) **Height**: Subject to the provision of the floor space index the height of the building shall not exceed 15 metres. However, the restriction of height may be relaxed keeping in view the requirements and nature of the industrial units. This shall also conform to the requirements of the Punjab Factories Rules, 1952.

vi) **Plinth Height**: The plinth height of the building shall not be less than 0.8 metre from the centre of the road.

vii) **Boundary wall & Gates**: The construction of boundary wall, gate & Gate-keepers room etc. shall conform to standard designs available with the concerned Divisional Town planner.

viii) **Building Design**: The building design shall be prepared by a qualified Architect as defined in the Architects Act and shall be got approved as required u/s 5 of the Punjab New Capital Periphery Control Act, 1952.

6. **MISCELLANEOUS**:

In case of any clarification regarding building plans etc. unless otherwise specified in the foregoing clauses reference will be made to the Rules applicable to industrial buildings and as prescribed in the Punjab Urban Estate Rules, 1974.

Adequate provision for fire fighting shall be made in the building plans so as to prevent the occurrence of any mishap and certificate shall be obtained from competent authority regarding the fire safety of the building and its adequacy to protect the life and property in case of a fire.
Details of different products proposed to be manufactured (Query point iii)

- Capacity Additions/ Expansion for HPL Additives Ltd., Village: Bhagwanpur, Derabassi

Table 1 provides the summary of plans to expand manufacturing capacity of identified grades of Antioxidants and new products/process optimization:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Product</th>
<th>Manufacturing Capacity/ Month (MT)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Current</td>
<td>To be added</td>
</tr>
<tr>
<td>1</td>
<td>Hydrazine Hydrate</td>
<td>110</td>
<td>295</td>
</tr>
<tr>
<td>2</td>
<td>ADC</td>
<td>0</td>
<td>600</td>
</tr>
<tr>
<td>3</td>
<td>Hydrazodicarbonamide (HDC)</td>
<td></td>
<td>645</td>
</tr>
<tr>
<td>4</td>
<td>3,4 Dimethyl Benzeldehyde (3,4 DMB)</td>
<td></td>
<td>90</td>
</tr>
<tr>
<td>5</td>
<td>K-30</td>
<td>70 at HPLD</td>
<td>170</td>
</tr>
<tr>
<td>6</td>
<td>K-10</td>
<td>170 at HPLD</td>
<td>220</td>
</tr>
<tr>
<td>7</td>
<td>Hiclear-301</td>
<td>0</td>
<td>80</td>
</tr>
<tr>
<td>8</td>
<td>K-28</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>9</td>
<td>AO's for lubes (K-135L, K-57L, K-18L)</td>
<td>0</td>
<td>75</td>
</tr>
<tr>
<td>10</td>
<td>K-DA</td>
<td>0</td>
<td>5</td>
</tr>
</tbody>
</table>

Item-wise comments for justification of adopted capital expenditure are as follows:

- **K30, K-28 & K-10**
  These are specialty grades of product category – Antioxidants, which are added to specific synthetic polymers to retard oxidative degradation processes so that their physical properties are retained and to ensure adequate life time.

Polyolefin account for roughly 60% of global demand for polymers. Polyolefin is a collective name for hydrocarbon polymers including polyethylene. These are two of the widely used polymers and account for more than half the total plastics world consumption, due to their low cost and excellent versatile properties including strength, flexibility, lightness and easy process ability. Antioxidants are used in polyolefin both for processing and long stability of finished goods.

Global demand for polyolefin is very large. From a small base of 24 MMT (Million Metric Tons) in 1983, it had reached 132 MMT in 2013 and currently expected to grow @ 6-7% per annum. Faster growth albeit on a small demand base is taking place in India as well. India produced 7.3 MMT in 2013. Demand is growing @more than 10% per annum but very large manufacturing capacity is coming alive in India in next one year or so i.e. OPAL at Dahej, GAIL in Assam, MRPL in Mangalore and IOCL in Paradip.

HPL is the only manufacturer of Antioxidants and is primed to take advantage of domestic market growth.

- **K-30**: Stabilizers for Polypropylene film and tape application which require low water carry over.

- **K-10**: is a long term stabilizer for Polyolefin, Olefinic copolymer, Polyacetal, Polyamide and synthetic adhesive.

These two grades of Antioxidants are mainstay of given product category and well accepted in market. With near optimum capacity utilization and increasing demand for our product, it is but natural to expand manufacturing capacity to retail market base and remain relevant.
K-28 is a specialized secondary antioxidant especially for water pipes. Due to low migration of this antioxidant it is considered a better product than K-68 which we produce at Dudhola plant.

- **HICLEAR-301**
  It is a clarifying agent to remove all impurities from polyolefin material to impart clarity and remove impurities. The product has been developed by company’s R&D division and tested extensively to fine tune/optimize process. Clarifying agents are complementary to our existing product basket, targeted at same customer base. Existing marketing and distribution channels would be used to market this product.

- **Kinox range of lube antioxidants: K-135L/K057L/K018L**
  These products find their use as lube antioxidants for preventing thermal decay of oils and lubricants over extended use. These are new products of HPLA and are a step towards diversification. HPLA believes once it sets its foothold into this market newer opportunities shall unfold for HPLA for future expansion.

- **HDC/ADC**
  ADCA is a chemical blowing agent which is produced at one of the plants of HPL Additives and is made from Hydrazine Hydrate and Technical Urea through HDC production which is an intermediate. ADC capacities are limited to the extent of HDC availability/capacities which in turn is dependent on Hydrazine availability. HPLA produces Hydrazine Hydrate at its Derabassi plant but capacities are much lower than requirements. Keeping in mind the increasing demand of ADC in international as well as in domestic market, HPL plans to expand ADC capacities in near future at its blowing agent plant. To meet Hydrazine/HDC requirements HPL is taking up HDC and ADC manufacturing (in-situ production of HDC) plans at Derabassi site which shall enable it to meet additional ADC requirements.

### Table 2: Product Details with Generic name & CAS no.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Product</th>
<th>CAS No.</th>
<th>Existing Capacity/ Month</th>
<th>Proposed Capacity/ Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1,3,5-Trimethyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl)benzene [Kinox-30]</td>
<td>1709-70-2</td>
<td></td>
<td>170MT</td>
</tr>
<tr>
<td></td>
<td>Description</td>
<td>Kinox Code</td>
<td>CAS Number</td>
<td>Quantity</td>
</tr>
<tr>
<td>---</td>
<td>-----------------------------------------------------------------------------</td>
<td>------------</td>
<td>------------</td>
<td>----------</td>
</tr>
<tr>
<td>2</td>
<td>Pentaerythritol tetakis-[3-(3,5-di-tert.butyl-4-hydroxyphenyl)propionate]</td>
<td>6683-19-8</td>
<td>--</td>
<td>220 MT</td>
</tr>
<tr>
<td>3</td>
<td>1,3:2,4 Bis (3,4-dimethylbenzylidene) sorbitol</td>
<td>135861-56-2</td>
<td>--</td>
<td>80 MT</td>
</tr>
<tr>
<td>4</td>
<td>3,4 Dimethyl Benzaldehyde</td>
<td>5973-71-7</td>
<td>90 MT</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td><strong>Lube Antioxidants</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.1</td>
<td>Benzenepropanoic acid, 3,5-bis (1,1-dimethyl-ethyl)-4-hydroxy-C7-C9 branched alkyl esters</td>
<td>125643-61-0</td>
<td>15 MT</td>
<td></td>
</tr>
<tr>
<td>5.2</td>
<td>Butylated/ octylated diphenylamine</td>
<td>68411-46-1</td>
<td>50 MT</td>
<td></td>
</tr>
<tr>
<td>5.3</td>
<td>Acetic acid, [[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]thio]-C10-14 isoalkyl ester</td>
<td>118832-72-7</td>
<td>10 MT</td>
<td></td>
</tr>
<tr>
<td>5.4</td>
<td>Bis (2,4-dicumylphenyl) pentaerythritol diphosphite</td>
<td>154862-43-8</td>
<td>25 MT</td>
<td></td>
</tr>
<tr>
<td>5.5</td>
<td>3-Salicyloylamino-1,2-4-triazole</td>
<td>36411-52-6</td>
<td>5 MT</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Hydrazine Hydrate</td>
<td>7803-57-8</td>
<td>110 MT</td>
<td>295MT</td>
</tr>
<tr>
<td>7</td>
<td>Hydrazodicarbonamide</td>
<td>110-21-4</td>
<td>645MT</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Azodicarbonamide</td>
<td>123-77-3</td>
<td>600MT</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Ammonia(100% basis)</td>
<td>1336-21-6</td>
<td>126MT</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Wet Gypsum</td>
<td>13397-24-5</td>
<td>141MT</td>
<td></td>
</tr>
</tbody>
</table>