

# State Environment Impact Assessment Authority, M.P. (Government of India, Ministry of Environment & Forests)

Environmental Planning Coordination Organization (EPCO)
Paryavaran Parisar, E-5. Arera Colony
Bhopal-4620 16
visit us http://www.mpseiaa.nic.in
Tel:0755-2466970, 2466859
Fax: 0755-2462136

No: 768 SEIAA/2017 Date: 20 6 12

To, Mr. Anil Chug, Executive Engineer, Indore Development Corporation, 7, Race Course Road, Indore, MP - 452003

Sub:- Case No. - 5515/2016: Prior Environment Clearance for Area Development of Scheme 169B, Super Corridor, Indore, MP Net Planning area – 14,47,900 ha Built-up area- 4400 sq.m. by Mr. Anil Chug, Executive Engineer, Indore Development Corporation, 7, Race Course Road, Indore, MP – 452003 E-mail–anilchughmba @ gmail.com Ph.0731- 2531312 Mob No. 09755099388 Envt. Consultant- In Situ Enviro Care, Bhopal (M.P)

Ref: Your application dtd. 28.02.2017 received in SEIAA office on 03.03.2017.

With reference to above the proposal has been appraised as per prescribed procedure & provisions under the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated 14<sup>th</sup> September 2006 and its amendment, on the basis of the mandatory documents enclosed with the application viz., Form I, Form IA, Conceptual Plan, drawings and subsequently submission of EIA, PPT & the additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- (i). The proposed project is area development project of Scheme 169B, Super Corridor, Indore, (M.P.) by Indore Development Authority (IDA) having total built up area 4400 sq.m., For that over head tank, underground water sump and sewage treatment plant will be constructed by IDA and all other constructional activities will be taken up by the individual owners. The land area of the proposed project is more than 50 ha hence the project falls under item 8 (b) Area & Township development project category (B1) of schedule of EIA Notification, 2006 & its amendments.
- (ii). As per the T & CP Indore (vide letter no. 2650 dtd 22.05.2012 & amendments letter dtd. 29.12.14) the layout of the proposed project is approved on the Scheme no. 169B. Regarding land documents PP has submitted MP Govt. Gazette Notification dtd. 06.10.10 for the land of the IDA scheme no. 169 B . The project includes Plotted area (Commercial), Area under Coordinated Plots (Super Corridor), Public Utility, Commercial Facilities (Petrol Pump, etc), Communication Nodes, Parks, roads, pedestrian pathways, Solid Waste Transfer Station etc.

Case No. 5515/2017

Issued vide letter no. 7.68-6.9 dated 20.6:17

Case No.: To be quoted in registered cases for correspondence

Page 1 of 7

- (iii). The total water requirement is 8,443.5 KLD. The fresh water requirement is 4570 KLD & recycled water is 3873 KLD. The source of water supply is Municipal water. PP has submitted letter (25.02.14) from Municipal Corporation Indore for water supply.
- (iv). It is noted that there is a water body Tigaria Badshah exists about 800 m in SE direction of the project site.
- (v). The total waste water generation is 67145 KLD. A combined STP of 8.05 MLD is proposed for Scheme 151, 166 and 169 which will be installed in scheme 166. Treated effluent from Common Sewage Treatment Plant (CSTP) is proposed to be reused in flushing, horticulture, civil construction etc. A separate external plumbing line would be laid by IDA. The surplus treated water will be given to the IMC as already agreed by IMC with IDA. PP has submitted letter (dtd. 13.7.2016) from Municipal Corporation Indore for disposal of extra treated waste water as per terms conditions of IMC.
- (vi). The solid waste expected to be generated during the construction phase will comprise of excavated material, used bags, bricks, concrete, MS rods, tiles, wood etc. The excavated material such as topsoil and stone will be stacked for landscape development. Remaining soil is proposed to be utilized for refilling/road work and surplus will be sold to external agency.

During operation approximately 33,025 kg/day (33.02 ton/d) Municipal soild waste shall be generated after full occupancy. PP has proposed to develop a Solid Waste Transfer Station (area measuring 790 sqm) for use by the occupants during Operation phase. PP has submitted letter (dtd. 20.06.2016) from Municipal Corporation Indore for disposal of solid waste.

- (vii). PP has proposed to develop the infrastructure including roads, sewer line, CSTP (Common STP for Scheme no. 151, 166 and 169B of Super Corridor), water supply line, electricity, etc. as per layout approved by T & CP.
- (viii). PP has proposed to develop separate fire station for the project.
- (ix). PP has proposed the storm water collection system for the common areas of the Scheme no.169B like parks, roads, pavements, etc. and provide 112 rainwater harvesting pits at selected locations, which will catch the maximum run-off from the common areas.
- (x). The total connected load after full occupancy is expected to be approx. 50 MW. The predicted demand is approx. 19,598 KVA. For feeding this load, at least one 220/132 KV EHV substation will be required. PP has proposed to install 220/132KV substation for capacity of above 19,598 KVA and another EHV substation will be installed near east end of Scheme 169B of Super Corridor.

There is no provision of DG set in the said project. The DG sets will be installed by the individuals purchasing the plot (Residential /Commercial) from Indore Development Authority. The backup DG sets in these individual plots will be installed as per their work requirements & electricity load requirement. Solar street light is being proposed upto an extent of 30%.

(xi). PP has submitted as this is an area development project, parking facilities will be provided within the plots by the respective plot owners as per State Bye Laws

Case No. 5515/2017

Case No.: To be quoted in registered cases for correspondence



norms. PP has proposed to develop an area 25,570 sq.m for Common parking lots.

- (xii). PP has proposed an area of 1,52,200 sq.m. to be developed as green area by planting large canopy trees along the road side. A diverse variety of indigenous evergreen and ornamental trees would be planted and the plant species will be selected on the basis of Urban Standard Plantation norms and CPCB guidelines.
- (xiii). At present approximately 16 nos. trees of different variety and some babul shrubs are available on the site which will be used as a greenbelt.

Based on the information submitted at Para i to xiii above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 438<sup>th</sup> meeting held on 31.05.2017 and decided to accept the recommendations of 290<sup>th</sup> SEAC meeting held on dtd. 22.05.2017.

Hence, Environmental Clearance is accorded under the provisions of EIA notification dtd. 14<sup>th</sup> September 2006 and its amendments to the proposed "Area Development of Scheme 169B, Super Corridor, Indore, MP Net Planning area – 14,47,900 ha Built-up area- 4400 sq.m. by Mr. Anil Chug, Executive Engineer, Indore Development Corporation, 7, Race Course Road, Indore, MP – 452003 subject to the compliance of the Standard Conditions enclosed at **Annex-I** and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

### A. Specific Conditions as recommended by SEIAA:-

- (1) The entire demand of fresh water should be met through Municipal Corporation, Indore and there should be no extraction of ground water.
- (2) The inlet and outlet point of natural drain system should be maintained with adequate size of channel for ensuring unrestricted flow of water.
- (3) Disposal of waste water.
  - (a) PP has proposed a combined STP of 8.05 MLD for Scheme 151, 166 and 169 which will be installed in scheme 166. For convenience of running and maintenance of 1 STP for such a huge development where the scheme is taken up in phases, it is prudent to have 2-3 separate STPs of smaller capacity duly located in each scheme.
  - (b) The extra treated wastewater of the project shall be recycled and reused for flushing, gardening, and construction works, fire fighting purposes etc as committed. The extra treated water should also be supplied on demand to the consumers for use in gardening/horticulture. PP should ensure a mechanism for waste water connection to the consumers.
  - (c) PP should ensure proper pumping arrangement for extra treated water besides regular operation and maintenance of the STP.
  - (d) PP must ensure to have a retention time of minimum 7 days for collection of extra treated water. For this purpose a sump well of suitable capacity should be constructed within the STP.
  - (e) For reuse of treated water from Common Sewage Treatment Plants (CSTPs) in flushing, horticulture, etc., a separate external dual plumbing 4

Case No. 5515/2017

Issued vide letter no. 7.68 ... 6. dated 20... 6'/>

Case No.: To be quoted in registered cases for correspondence

Page 3 of 7

- line (approx 34 km) should be laid by IDA and its cost will also be included in EMP.
- (f) PP should ensure linkage with municipal sewer line for disposal of extra treated waste water as mentioned in the consent letter of IMC (dtd13.7.2016)
- (g) Water quality monitoring should be carried out regularly in consultation with MPPCB.
- (h) No treated waste water be allowed to enter the Khan River/ existing nalla.

### (4) Solid Waste Management:

- (a) PP should develop 3-4 solid waste transfer stations of suitable capacity for use by the occupants instead of one as proposed. The transfer stations should be designed for a 48 hrs. storage capacity. For e-waste disposal, special provision be made in the transfer stations.
- (b) The excavated material such as topsoil should be used for landscape development and stone (Muram/Kopra) will be proposed to be utilized for road construction work and refilling of abandoned mining pits within the project site and develop it as a green area.
- (c) Separate wet and dry bins must be provided at the ground level for facilitating segregation of waste.
- (d) The solid waste generated should be properly collected and segregated at proper location by providing three colored bins.
- (e) The collected waste should be used for energy generation in consultation with Municipal Corporation Indore.
- (5) PP should ensure building height of residential & commercial unit , road width, front MOS and side / rear as per MPBVR 2012.
- (6) If height of the buildings increases, PP should obtain permission from Civil Aviation Authority.

### (7) For firefighting:-

- (a) PP should ensure to earmark separate fire station at the suitable location and it should be equipped for high rise building as per NBC 2005.
- (b) As per MPBVR, 2012 rule 42 (3) PP should submit necessary drawings and details to the Authority (Municipal Corporation, Indorel) incorporating all the fire fighting measures recommended in National Building Code Part – IV point no. 3.4.6.1. The occupancy permit shall be issued by Municipal Council only after ensuring that all fire fighting measures are physically in place.
- (8) For Storm Water Collection, Rain Water Harvesting, and Ground water recharge:-
  - (a) PP must ensure a proper storm water collection system for the common areas like parks, roads and pavements.

Case No. 5515/2017
Issued vide letter no. 7.68-6.9 dated 2.0.6.12
Case No.: To be quoted in registered cases for correspondence

Page 4 of 7

- (b) The storm water management should be regulated in such a way that it should not mix with the extra treated sewage water. The budget should be included in EMP plan for storm water management.
- (c) PP should ensure the rain water harvesting with 112 nos of recharging pits. In addition, PP should provide recharging trenches. The base of the trenches should be Kachha with pebbles.
- (d) Rain water harvesting for roof run- off and surface run- off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging should be kept at least 4 mts. above the highest ground water table.
- (e) The unpaved area shall be more than or equal to 20% of the recreational open spaces.
- (f) PP must take safeguard action to prevent non point pollution of the ground water looking to the shallow ground water availability. Separate monitoring station should be established in the nearby dug wells and bore wells and regular samples be taken and tested in the lab. Remedial measures be taken to identify the source of pollution if any.
- (9) PP should ensure to provide common car parking area all around the landscape area as proposed and take assurance from land owners to leave parking area for individual plots.

## (10) For Energy Conservation PP should Ensure :-

- (a) Use of LED lights in the common areas, landscape areas, gates and boundary compound walls etc.
- (b) Provide solar system installation condition in agreement of land/plot owner for saving energy.
- (c) PP should also ensure to adopt energy conservation measure as per State norms.
- (d) PP should ensure solar street light to the tune of 50%

## (11) Air Quality and Noise:-

- (a)Dust, smoke & debris prevention measures such as wheel washing, screens, barricading & debris chute shall be installed at the site during construction including plastic/tarpaulin sheet covers for trucks bringing in sand & material at the site.
- (b) Air quality Monitoring should be carried out regularly in consultation with MPPCB.

### (12) Green belt :-

(a) PP should ensure plantation to the 1,52,200 sq.m. (10.51%) as per the proposed landscape plan by planting trees along the road, around open space area, parking area and other amenities. Trees of indigenous local

Case No. 5515/2017
Issued vide letter no. 7.68 dated 20...6.12
Case No.: To be quoted in registered cases for correspondence

Page 5 of 7

- varieties like Neem, Peepal, Kadam, Karanj, Kachnaar, Saptparni etc.should be planted.
- (b) No existing trees will be allowed to cut. Every effort should be made to protect the existing trees on the plot.
- (c) The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.
- (d) 3-4 large chunk of open areas earmarked as greens should be developed as urban forest.
- (13) PP should ensure to develop the Tikaria Badshah Talab by preparing proper conservation & management plan.
- (14) Proper space should be provided to accommodate all utility service lines like telephone, internet, street light, channel connections, firefighting lines etc. Separate financial provision to be made in the EMP.
- (15) In the case of future expansion in the scope or any changes(s) in the scope of the project shall again require Prior Environmental Clearance as per EIA notification, 2006.
- (16) All buildings within this scheme shall undergo separate ECs if the builtup areas exceeds 20000 sq.m. (As per EIA Notification 2006 and its amendments). This condition should be incorporated by IDA in each agreement with the lease holders.
- (17) PP should ensure proper traffic signage system for the entire scheme.
- (18) The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA/SEAC along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- (19) PP will installed digital display boards on the super corridor displaying ambient air quality and other environmental parameters.
- (20) PP should abide to the decisions of the Hon'ble High Court filed by land holders against IDA.

## B. Specific Conditions as recommended by SEAC

- (21) The excess treated water will be used for watering of municipal road side green area or efforts shall be made to supply this water to the construction sites for use in the construction works.
- (22) Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

(23) STP sludge shall be filter-pressed and the de-watered sludge shall be disposed off with the MSW.

(24) Power back-up for un-interrupted operations of STP shall be ensured.

Case No. 5515/2017
Issued vide letter no. 1.68.6.9 dated 2.0....6.12
Case No.: To be guoted in registered cases for correspondence

Page 6 of 7

(25) CFL/LED should be preferred over of tube lights and solar panels should be provided on the roofs as proposed by the PP during presentation.

(26) Fund should be exclusively earmarked for the implementation of EMP.

- (27) MSW storage area should have 48 hours storage capacity.
- (28) Dual plumbing should be provided.
- (29) Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
- (30) Provisions shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

(31) PP will obtain other necessary clearances/NOC from respective authorities.

(32) PP should explore the possibility of providing multi level parking

Endt No. / SEIAA/ 2017 Dated 0 '6 12 (Anupam Rajam)
Copy to:-

- (i). Principal Secretary, Urban Development & Environment Deptt. 3<sup>rd</sup> Floor, Mantralaya Vallabh Bhawan, Bhopal.
- (ii). Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
- (iii). Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
- (iv). The Collector, Distt- Indore -M.P.
- (v). The Commissioner, Municipal Corporation, Indore, MP
- (vi). The Jt. Director, Town & Country Planning, Housing Board Complex, A.B. Road, Indore (M.P.)
- (vii). Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
- (viii). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.

(ix). Guard file.

Encl: Standard Conditions (Annex-I)

(Dr. Sanjeev Sachdev)
Officer-in-Charge

Case No. 5515/2017
Issued vide letter no. 7.68 ...6.9 dated 2.0...6.12
Case No.: To be quoted in registered cases for correspondence



(Government of India, Ministry of Environment & Forests)

Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryavaran Parisar, E-5. Arera Colony, Bhopal-4620 16

Annex-L

Standard Conditions related to under item 8 (a) & 8 (b) of the schedule of EIA notification, 2006 (Building/ construction projects / area development projects & township)

#### A. Construction Phase

- The construction site shall be provided with adequately barricades of at least 3 m height on its periphery with adequate signage.
- 2. All required sanitary and hygienic measures should be in place before starting any construction work and are to be maintained throughout the project phase.
- 3. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile foilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- 4. Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to dust etc. shall be carried out. Periodic monitoring for exposure to respirable dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of dust on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically.
- A First Aid Room will be provided in the project both during construction and operation of the project.
- All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
- 7. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
- Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach into the ground water.

10. Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the M.P. Pollution Control Board.

(Dr R P Singh) Officer-in-Charge

Officer-in-Charge

(Dr Sadhna Tiwari) Officer-in-Charge 1 of 6

1 768-69 ELAVERO

(Government of India, Ministry of Environment & Forests)
Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryayaran Parisar, E-5. Arera Colony, Bhopal-4620 16

- 11. The diesel generator sets (if any) to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- 12. The diesel required (if any) for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- 13. Wastewater generated from temporary leabour tents will be diverted to the sewer network in the area.
- 14. No water logging should take place at any point during construction phase.
- 15. If the project site is located within the 100 km of Thermal Power Stations, then fly ash should be used as building material in the construction as per the provisions of Fly ash Notification of September, 1999 and amended as on 27th August, 2003.
- 16. As far as possible ready mixed concrete should be used in construction work.
- 17. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 18. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/ MPPCB.
- Storm water control and its use should be as per CGWB and BIS standards for various applications.
- Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- 21. Care shall be taken during the wet drilling activities.
- .22. Spread of contaminated water should be prevented by installing temporary barriers of G.I. Sheets.
- 23. To prevent surface and ground water contamination by oil/grease, leak proof containers shall be used for storage and transportation of oil/grease. The floors of oil/grease handling area will be kept effectively impervious.
- 24. On-site burning of waste material will not be permitted.
- 25. Ground water should not be used during construction phase. Private tanker water suppliers may be asked to supply water during construction phase.
- 26. Commitment towards CSR have to be followed strictly.

27. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.

(Dr R P Singh) 4.11 Officer-in-Charge

(Dr Vinita Vipat) Officer-in-Charge

(Dr Sadhna Tiwan) Officer-in-Charge 2 of 6

Issussific Vide in 769 39 MAZEPCO

## State Environment Impact Assessment Auditorry, Pro-

(Government of India, Ministry of Environment & Forests)

Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryavaran Parisar, E-5. Arera Colony, Bhopal-4620 16

- 28. Wherever possible, the area around the STP / ETP should be surrounded with dense green belt.
- 29. To reduce the electricity consumption and load on air conditioning, high quality double glass with special reflective coating in windows should be promoted.
- Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- 31. Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- 32. Approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc.

### B. Operation Phase

- 1. The installation of the Sewage Treatment Plant (STP) as submitted by PP in the office of SEIAA should be certified by an independent expert and a report in this regard should be submitted to the Regional office of the Ministry of Environment & Forest, Gol before the project is commissioned for operation. Treated effluent discharge from STP shall be recycled/reused to the maximum extent possible. Treated effluent shall conform to the norms and standards of the M.P. Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.
- Treated waste water should not be used for air conditioning.
- 3. Treatment of 100% grey water by decentralized treatment should be done.
- The bio-medical waste (if applicable) generated should be disposed off as per the provisions of Bio-medical waste (Management and Handling) Rules 1988 as amended till date.
- Provision of separate entrance / exit gate should be made for collection of segregated bio-medical waste (if applicable) from the storage area.
- The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material as per CPCB norms.
- 7. Diesel power generating sets if proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and confirm to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Low sulphur diesel must be used. The location of the DG sets may be decided with in consultation with Madnya Pradesh Pollution Control Board.

(Dr R P Singh) Officer-in-Charge (Dr Vinita Vipat) Officer-in-Charge (Dr Sadhna Tiwari) Officer-in-Charge 3 of 6

Issued Vide No 768-69 ELAA/EPCO Dated

(Government of India, Ministry of Environment & Forests) Research and Development Wing, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5. Arera Colony, Bhopal-4620 16

- 8. No water logging should take place at any point during operation phase.
- 9. The Project Proponent shall explore the possibility of using solar energy wherever possible.
- 10. Provision for plantation has to be made as per Madhya Pradesh Bhumi Vikas Niyam, 1984.
- 11. Any hazardous waste generated during operation phase, should be disposed off as per applicable rules and norms with necessary approvals of the M.P. Pollution Control Board.
- 12. Noise should be controlled to ensure that it does not exceed the prescribed standards of CPCB.
- 13. Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
- 14. Rain water harvesting for roof run- off and surface run- off, should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging should be kept at least 5 mts. above the highest ground water table.
- 15. The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- 16. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- 17. A Report on the energy conservation measures confirming to energy conservation norms finalize by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submit to the Regional office of Ministry of Environment & Forest, Gol in three months time.
- 18. Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.
- 19. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- 20. The area earmarked for the parking shall be used for parking only. No other activity shall be permitted in this area.
- 21. Ozone Depleting Substances (Regulation & Control) Rules shall be followed while designing the air conditioning system (if any) of the project.

(Dr R P'Singh) Officer-in-Charge

(Dr Vinita Vipat)

Officer-in-Charge

(Dr Sadhna Tiwari) Officer-in-Charge

4 of 6

baned Video No. 368-69 LANDEPPO

(Government of India, Ministry of Environment & Forests)

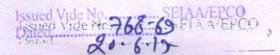
Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryavaran Parisar, E-5. Arera Colony, Bhopal-4620 16

#### C. Others

- All activities / mitigative measures proposed by PP in Environmental Impact Assessment (if applicable) and approved by SEAC must be ensured.
- 2. All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
- 3. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
- 4. Project Proponent has to strictly follow the direction/guidelines issued by MoEF, CPCE and other Govt. agencies from time to time.
- The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the MoEF, GoI, and its Regional Office located at Bhopal.
- The Ministry or any other competent authority may alter/modify the conditions or stipulate any further condition in the interest of environment protection.
  - The Environmental Clearance shall be valid for a period of five years from the date of issue of this letter.
- 8. The project proponent shall also submit six monthly reports on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year on the status of compliance of the stipulated EC conditions including results of monitored data to the regulatory Authority in hard and soft copies.
- The Regional Office, MoEF, Gol, Bhopal and MPPCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report. Environmental Management Plan and other documents information should be given to Regional Office of the MoEF, Gol at Bhopal and MPPCB.
- 10. The Project Proponent shall inform to the Regional Office, MoEF, Gol, Bhopal and MP PCB regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- 11. In the case of expansion or any change(s) in the scope of the project, the project shall again require prior Environmental Clearance as per EIA notification, 2006.
- 12. The SEIAA of M.P. reserves the right to add additional safeguard, measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection). Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- 13. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained (as and when applicable), by the project proponent from the respective competent authorities.

(Dr R P Singh)
Officer-in-Charge

(Dr Vinità Vipat) Officer-in-Charge Dr Sadhna Tiwari) Officer-in-Charge 5 of t



(Government of India, Ministry of Environment & Forests)
Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryavaran Parisar, E-5. Arera Colony, Bhopal-4620 16

- 14. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
- 15. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company and in the public domain.
- 16. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF.
- 17. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- 18. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat and municipal bodies as applicable in addition to the relevant officers of the Government who in turn has to display the same for 30 days from the date of receipt.
- 19. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at website of the State Level Environment Impact Assessment Authority (SEIAA) at www.mpseiaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal.

20. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

(Dr R P Singh) Officer-in-Charge

(Dr Vinita Vipat) Officer-in-Charge

(Dr Sadhna-Tiwari) Officer-in-Charge

6 of 6

Pared Vide No 768 - 69 ELA VEPC