



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

Environmental Planning Coordination Organization (EPCO)
Paryavaran Parisar, E-5. Arera Colony
Bhopal-4620 16

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Tel:0755-2466970, 2466859

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No: 1855 /SEIAA/2018

Date: 9.3.18

To,

Mr. Bharat Singh, POA holder
M/s Genex Hotel Pvt. Ltd.
Green Wood Country Club Parisar,
Van Vihar Road, Bhopal, MP - 462003

Sub: Case No. 5629/2018: Prior Environmental Clearance for Construction of 4/5 Star Hotel and Convention Center on Khasra No. 40/3 & 276/3 at Village - Kotra Sultanabad, Dist. Bhopal, MP. Total Plot Area – 16194.0 sq.m. Proposed built-up area- 45828.0 sq. m, by M/s Genex Hotel Pvt. Ltd. Mr. Bharat Singh, POA holder Green Wood Country Club Parisar, Van Vihar Road, Bhopal, MP - 462003 E-mail: genexhotels@gmail.com Telephone No. 7898501224 Env. Con. – In Situ Enviro Care, Bhopal (M.P.)

Ref: Your application dtd. 05.11.2015 received in SEIAA office on 06.11.2018

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 14th September 2006 and its amendment, on the basis of the mandatory documents enclosed with the application viz., Form I, Form IA, Conceptual Plan, drawings, ppt & the additional clarifications furnished in response to the observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- (i). The proposed project is building & construction project for construction of 4/5 Star Hotel and Convention Center having total built up area 45828.0 sq.m The project comes under 8(a) category (B) of schedule of EIA Notification, 2006 because total construction is between 20,000 sq.m & 1,50,000 sq.m and plot area is less than 50 ha.
- (ii). As per the T & CP, Bhopal (vide letter no.BPLLP-2703 dtd 20.11.17) total land area is 1.619 ha (16194.0 sq.m.) Khasra No. 40/3 & 276/3 at Village - Kotra Sultanabad, Dist. Bhopal, MP. As per Khasra Panchsala (2015-16) it's a land of MP State Tourism Development Corporation and lease has been allotted to Genex Hotels Pvt. Ltd. The lease was executed between between Maneging Director Madhya Pradesh Tourism Development Corporation Ltd.and M/s M/s Genex Hotel Pvt. Ltd.. through Director Shri Amit Sinha S/o Raghuwansh Bhushan Sinha (dtd. 14.03.16).

Case No. 5629/2018

Issued vide letter no. 1855-56 dated 9.3.18

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

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(iii). Land use breakup details as proposed by PP for this facility are as follows:

| S.No. | Khasra No. | Area in (Hect.) | Ownership |
|-------|--------------|-----------------|------------------------|
| 1. | 40/3 | 0.7284 | Genex Hotels Pvt. Ltd. |
| 2. | 276/3 | 0.890 | |
| | Total | 1.6194 | |

| S. No. | Particulars | Area in Sq.mt. |
|--------|---|--|
| A | Land Area | 16,194.00 Sq.mt. |
| B | Area Under Road Widening | 1,217.83 Sq.mt. |
| C | Net Planning Area | 14,976.17 Sq.mt. |
| D | Permissible F.A.R (1:2.5) | 37,440.42 Sq.mt. |
| E | Additional F.A.R. of Road Widening 1217.83 X 2.5 X 2 | 6,089.15 Sq.mt. |
| F | Total F.A.R. | 43,529.57 Sq.mt. |
| G | a) Proposed F.A.R. (1:1.71) b) basement 1 c) basement 2 | 25,628.00 Sq.mt. 10,100 Sq.mt. 10,100 Sq.mt. |
| | Total Built Up Area + Basement Area | 45,828 Sq.mt. |
| H | Permissible Ground Coverage (30%) | 44,92.85 Sq.mt. |
| I | Permissible Open Area (11%) + Service Area (1%) | 1,797.00 Sq.mt. |
| J | Proposed Open Area + Service Area (12%) | 1,797.0 Sq.Mt. |
| K | Permissible Height | 45.00 Meters |
| L | Proposed Height | 43.50 Meters |
| M | M.O.S Front All Sides And Rear | 15.00 Meters 7.50 Meters |
| N | Parking Required @ 75 Ecs / Sq.Mt Of Proposed Far | 342 Ecs |
| O | Parking Provided In Basements | 14,580 Sq.Mt./ 416 Ecs |

- (iv). The project site is approx. 1.2 km away from the van vihar (a notified PA) and recently MoEF&CC has notified van vihar ESZ vide Notification S.O. 3777(E) dated 29.11.2017 which is 100 meters from the boundary of the van vihar national park.
- (v). No water bodies passing through the project area however Bhadbhada Dam: 0.92 KM. (S) Kaliyasot Dam: 3.0 KM. (S) away from the project site. PP has Submitted NOC (dtd.10.11.17) from Lake Conservation cell of Bhopal Municipal Corporation regarding construction of the hotel.
- (vi). The project involves the Construction of 4/5 Star hotel and Convention Center with 220 Rooms, Convention / banquet facilities of 2700 sqm. (Indoor and Outdoor space), meeting rooms, executive lounge and business center, restaurants (4 nos.), health club & Spa.
- (vii). The source of water supply is Municipal Corporation, Bhopal (letter dtd. 04.01.2018). The total water requirement is 335 KLD (fresh water 263 KLD). The waste water generation is 277 KLD and STP capacity is 300 KLD (250KLD STP+ 50KLD ETP). The available treated waste water is 225 KLD, which is proposed to be 225 KLD recycle & re-used 100%.if necessary it will be disposed off in

- municipal sewer line. PP has submitted letter (dtd. **03.01.2018**) from Municipal Corporation Bhopal for disposal of extra treated waste water.
- (viii). The Municipal Solid Waste 1.77549 TPD (Biodegradable 55 % + Non-Biodegradable 45 % of total TPD), shall be generated. The generated biodegradable and non biodegradable waste will be collected separately. The wet garbage will be treated in Organic Waste Converter (OWC) & will be used as manure for landscaping. The recyclable dry garbage disposed off to the vendors for recycling. All non recyclable waste including sludge from STP will be disposed off at trenching ground of Municipal Corporation. **PP has submitted letter dtd. 03.01.2018 issued from Bhopal Municipal Corporation for disposal of solid waste.**
- (ix). The generated hazardous waste spent Oil from transformer & DG set (approx. 300 l/yr.) will be disposed off as per hazardous waste (Management and Handling Rules). This spent oil will be carefully stored in HDPE drums in isolated covered facility. This spent oil will be sold to vendors authorized by MPPCB for the treatment of same.
- (x). PP has proposed the maximum height of the building is 43.5m. PP has provided Front MOS 15.0 m and side / rear MOS 7.50 m.
- (xi). PP has proposed to provide fire water storage tank, Fire pumping system, External Fire Hydrant System, Wet Riser System, Fire extinguisher, automatic Sprinkler System, & Fire Alarm system. etc. as per NBC 2005. **PP has also submitted provisional fire fighting NOC issued by Municipal Corporation Bhopal dtd. 12.01.18.**
- (xii). PP has proposed roof top rain water harvesting system plan for ground water recharging and proposed 02 nos. of recharging pits and 1 Nos. Rainwater Storage Tank for storing 100 KLD of water.
- (xiii). PP has proposed to provide 416 ECS (Basement-1 area 7290.0 sq.m.& basement-2 area 7290.0)
- (xiv). The total power requirement is 1936.1 KW. The source of electricity is Madhya Pradesh Kshetra Vidyut Vitran Company Limited. PP has also provided power back up 3 x 1000 KVA each and 2 Nos. 40 KVA UPS. For control of energy PP has proposed Installing programmable on/off timers and sensors for low occupancy areas Use of compact fluorescent lamps and low voltage lighting. Sunscreen films on windows to reduce heating inside the buildings. Low voltage light fixture, occupancy sensors, microprocessor based chillers etc. has also proposed.
- (xv). PP has proposed an area of 2556.00 to be developed as green area including 130 no. of trees. PP has reported that 12 nos. of trees already exist in the project site which is proposed to be cut as per Municipal Corporation Bhopal permission (letter dtd.02.02.18).
- (xvi). Total cost of the project is estimated as Rs. 10500 Lakhs. CSR implementation budget would be approximately 2% of the annual average profit of the project.
- (xvii). PP has proposed to achieve Platinum precertification from Indian Green Building Council (IGBC) under the IGBC Green Homes Rating.
- (xviii). **Benefit of the project-** The project involves the Construction of 4/5 Star hotel and Convention Center with 220 Rooms, Convention / banquet facilities of 2700

sqm. (Indoor and Outdoor space), meeting rooms, executive lounge and business center, restaurants (4 nos.), health club & Spa. Project will provide 334 Nos employment potential.

Based on the information submitted at Para i to xvii above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 469th meeting held on 16.02.2018 and decided to accept the recommendations of SEAC meetings 306th dtd 27.01.2018.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 and its amendments to the proposed construction of 4/5 Star Hotel and Convention Center on Khasra No. 40/3 & 276/3 at Village - Kotra Sultanabad, Dist. Bhopal, MP. Total Plot Area – 16194.0 sq.m. Proposed built-up area- 45828.0 sq. m, by M/s Genex Hotel Pvt. Ltd. Mr. Bharat Singh, POA holder Green Wood Country Club Parisar, Van Vihar Road, Bhopal, MP – 462003 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 Nagar Nigam supply and there should be no extraction of ground water.
- (2) **Waste water:**
 - a) PP should ensure zero discharge of waste water from the project site.
 - b) PP should ensure that the discharge of extra treated waste water (if any) is linked with the proposed municipal sewer line.
 - c) PP should ensure regular monitoring of treated waste water so as to confirm to the prescribed norms MPPCB/ CPCB.
- (3) **Natural Drainage:**
 - a) The inlet and outlet point of natural drain system should be maintained with adequate size of channel for ensuring unrestricted flow of water.
 - b) No construction shall allow obstructing the natural drainage through the site; Building shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- (4) **Municipal Solid Waste:**
 - (a) Provide compactors for MSW
 - (b) Ensure three bin systems for segregated collection of waste.
 - (c) Separate wet and dry bins must be provided at the ground level for facilitating segregation of waste.
 - (d) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
 - (e) Ensure linkage with Municipal Corporation for final disposal of MSW.
- (5) **Energy:-**
 - (a) All common area/open area and green area lighting must be of LED/Solar lights.

- (b) At least 1% of connected applied load generated from renewable energy source such as photovoltaic cells or wind mills or hybrid be provided.
- (c) Fly ash bricks should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and as amended from time to time.
- (6) PP should ensure the rain water harvesting by providing 02 nos of recharging pits. In addition, PP should provide recharging trenches. The base of the trenches should be Kachha with pebbles.
- (7) Installation of dual pipe plumbing for supplying fresh water for drinking, bathing etc and other for supply of recycled water for flushing, landscape, washing etc. shall be done.
- (8) Use of water saving devices/fixtures (viz. low flow flushing systems, use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- (9) PP should ensure to provide the car parking as proposed 416 ECS Basement-1 area 7290.0 sq.m. & basement-2 area 7290.0
- (10) **Traffic management:-**
- (a) PP should ensure road width, front MOS and side / rear as per MPBVR 2012.
- (b) The roads inside the project area and roads connected to the main road shall be paved or shall be water sprinkled to avoid the fugitive emissions during construction.
- (c) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided.
- (d) No public space including the service road shall be used or blocked for the parking and the trained staff shall be deployed to guide the visitors for parking and helping the senior citizens and physically challenged people to park their vehicles at appropriate parking places (valet parking).
- (11) **Fire Fighting Management:**
- (a) As per MPBVR, 2012 rule 42 (3) PP should submit necessary drawings and details to the Authority (Nagar Nigam, Indore) 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 Nagar Nigam only after ensuring that all fire fighting measures are physically in place.
- (b) PP should ensure connectivity to the fire station from the project site and provide all necessary arrangements of firefighting as per fire fighting NOC issued by Municipal Corporation Bhopal dtd. 12.01.18.
- (c) Dedicated power back up system shall be provided in the case of power failure & emergency of fire water pumps.
- (d) All the staircases and lifts shall open out at ground level from the highest point of building with access from each floor for emergency evacuation. Two staircases shall be provided in each building.
- (e) Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.

(12) **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) The exhaust pipe of the DG set if installed must be minimum of 10mtr away from the building or incase it is less than 10m away, the exhaust pipe shall be taken up to 3m above the building.

(13) **Green belt:**

- (a) PP should ensure two rows peripheral plantation at a distance of 3 to 5 m. of tree species (2 mt. high plants) all around the property area.
 - (b) PP should ensure to initiate plantation in the project site during construction.
 - (c) PP should ensure plantation of the trees of indigenous local varieties like Neem, Peepal, Kadam, Karanj, Kachnaar etc along with ornamental varieties.
 - (d) Every effort should be made to protect the existing trees on the site. PP has proposed 12 trees will be cut after obtaining statutory permission from the Competent Authority. They will also compensate additional plantation due to cutting of these 12 trees as per the regulations.
- (14) PP should ensure implementation of CSR Activities in consultation with the District Administration, Bhopal and accordingly make budget provision for the same.
- (15) Since upper lake is located near to the project site, hence within 50 m from the Full Reservoir Level (FRL) of Upper Lake will be demarcated as no construction zone and no construction activity will be permitted in this zone.
- (16) It shall be binding on part of the project proponent to ensure the compliance of directions of the Hon'ble National Green Tribunal and any other directions / order issued by the Hon'ble NGT / Court from time to time.

B. Specific Conditions as recommended by SEAC:-

(A) PRE-CONSTRUCTION PHASE

- (17) Curtaining of site should be carried out to protect nearby habitat.
- (18) For dust suppression, regular sprinkling of water should be undertaken.
- (19) PP will obtain other necessary clearances/NOC from respective authorities.
- (20) 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.
- (21) The housing may be in the form of temporary structure to be removed after completion of the period.

(B) CONSTRUCTION PHASE

- (22) No construction and development should be carried out within the 50 meters distance from the Upper lake as per the condition stipulated by T&CP vide permission letter dated 20/11/2017.
- (23) Escavated Muck/slush should be reused in landscaping as per the proposal submitted by the PP.
- (24) During construction phase, a settling tank should be provided before final discharge of the subsoil seepage water.
- (25) PPE's such as helmet, ear muffs etc should be provide to the workers.
- (26) Fire extinguishers should be provided on site during construction period.
- (27) Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
- (28) Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
- (29) 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. As proposed in the landscape plan & EMP a minimum of 130 no's of trees will be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
- (30) MSW storage area should be provided with sufficient storage capacity and MSW should be disposed off at a designated place in consultation with the local authority. PP should take proper precaution for its disposal as per CPCB MSW guidelines. As proposed, Biodegradable waste should be treated through biocomposter.
- (31) As proposed, 02 number rain water harvesting pits (size 2.4mx1.5mx1.8m) should be provided and their design should be based on recharge rate study.
- (32) LED should be preferred over of tube lights.
- (33) Provision for physically challenged persons tube made so that they easily excess pathway/derive way for their vehicles.
- (34) PP should explore the possibility of providing solar street light.
- (35) Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.

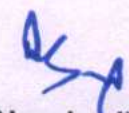
(C) POST CONSTRUCTION/OPERATIONAL PHASE

- (36) Fresh water requirement for the project shall not exceed 263.0 KLD.
- (37) As proposed, the sewage treatment plant (based on MBBR and UF technology) of 250 KLD capacities and Effluent Treatment Plant 50 KLD (for laundry) of capacity shall be provided for treatment of effluent. No effluent from the unit shall be discharged outside the plant premises and Zero discharge shall be maintained.

- (38) Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
- (39) Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
- (40) Explore waste to energy concept.
- (41) Mock drill can be performed in a regular frequency of probable incidence scenario.

(D) ENTIRE LIFE OF THE PROJECT

- (42) PP has proposed Rs. 20.00 lacks as capital cost for Landscaping and Rs. 3.50 lacks/year for recurring expenses in the proposed EMP of this project. The proposed total cost of EMP is 124.60 lacks and recurring cost is 34.20 lacks/year.
- (43) Under CSR activity, minimum 02% of the annual profit are proposed in different activities and should be implemented through respective committees.
- (44) As proposed, the plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
- (45) The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016 and Solid Waste Management Rules, 2016 etc.
- (46) The environmental policy with Environmental Management Cell as per MoEF guideline will be prepared by PP and the with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functions shall be setup under the control of the Chief Executive of the company.
- (47) In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
- (48) PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- (49) The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.


(P. Narahari)

Member Secretary

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Endt No. / SEIAA/2018

Date 9.3.18

Case No. 5629/2018

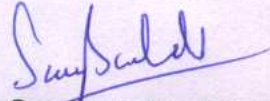
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Case No.: To be quoted in registered cases for correspondence

Copy to:-

- (1). Principal Secretary, Urban Development & Environment Deptt. 3rd Floor, Mantralaya Vallabh Bhawan, Bhopal.
- (2). Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
- (3). Member Secretary, MPPCB, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
- (4). The Collector, District Bhopal -M.P.
- (5). The Commissioner, Municipal Corporation, Bhopal, MP
- (6). The Jt. Director, Town & Country Planning, Paryavaran Parisar, E-5, Arera Colony, Bhopal, MP
- (7). Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
- (8). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (9). Guard file.

Encl: Standard Conditions (Annex-I)

o/c

(Dr. Sanjeev Sachdev)
Officer-in-Charge

State Environment Impact Assessment Authority, M.P.

(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-I

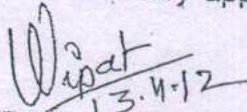
Standard Conditions related to under item 8 (a) & 8 (b) of the schedule of EIA
notification, 2006

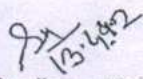
(Building/ construction projects / area development projects & township)

A. Construction Phase

1. 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 toilets, 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.
5. A First Aid Room will be provided in the project both during construction and operation of the project.
6. 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.
8. 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.
9. 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


(Dr Vinita Vipat)
Officer-in-Charge


(Dr Sadhna Tiwari)
Officer-in-Charge

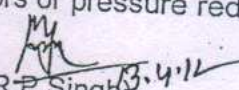
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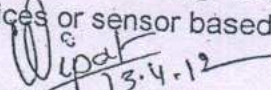
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Date: 9.3.18

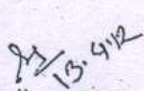
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Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryavaran Parisar, E-5, Arera Colony, Bhopal-4620 16

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 labour 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.
19. Storm water control and its use should be as per CGWB and BIS standards for various applications.
20. 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)
Officer-in-Charge


(Dr Vinita Vipat)
Officer-in-Charge


(Dr Sadhna Tiwari)
Officer-in-Charge

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Dated 9.3.18

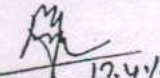
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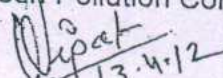
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Research and Development Wing, Madhya Pradesh Pollution Control Board,
Paryavaran Parisar, E-5. Arera Colony, Bhopal-4620 16

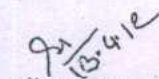
28. Wherever possible, the area around the STP / ETP should be surrounded with dense green belt.
29. To reduce the electricity consumption and load on air conditioning, high quality double glass with special reflective coating in windows should be promoted.
30. Roof should meet prescriptive requirement 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.
2. Treated waste water should not be used for air conditioning.
3. Treatment of 100% grey water by decentralized treatment should be done.
4. 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.
5. Provision of separate entrance / exit gate should be made for collection of segregated bio-medical waste (if applicable) from the storage area.
6. 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 Madhya Pradesh Pollution Control Board.


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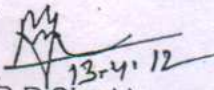
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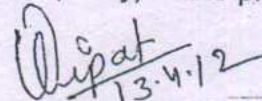
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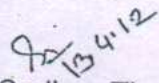
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8. No water logging should take place at any point during operation phase.
9. The Project Proponent shall explore the possibility of using solar energy wherever possible.
10. Provision for plantation has to be made as per Madhya Pradesh Bhumi Vikas 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 finalized 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, Govt 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.


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
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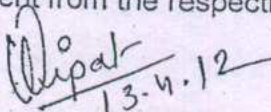
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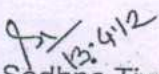
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C. Others

1. 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, CPCB and other Govt. agencies from time to time.
5. 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.
6. The Ministry or any other competent authority may alter/modify the conditions or stipulate any further condition in the interest of environment protection.
7. 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 1st June and 1st 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.
9. The Regional Office, MoEF, GoI, 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, GoI at Bhopal and MPPCB.
10. The Project Proponent shall inform to the Regional Office, MoEF, GoI, 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.


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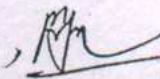
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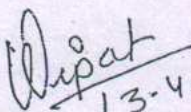
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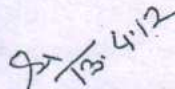
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14. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (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, SO₂, NO_x (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 31st 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.


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13.4.12


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13.4.12

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