

Minutes of the 451st Meeting of SEIAA dated. 27.06.2017

The 451st meeting of the State Level Environment Impact Assessment Authority was convened on 27.06.2017 at the Authority's Office in Environmental Planning and Co-Ordination Organization (EPCO), Paryavaran Parisar, Bhopal. The meeting was chaired by Shri Waseem Akhtar, Chairman, SEIAA. The following members attended the meeting:-


- | | | |
|----|-------------------|------------------|
| 1 | Shri H.S. Verma | Member |
| 2. | Shri Anupam Rajan | Member Secretary |

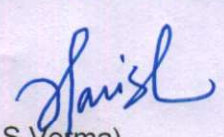
- A. Following Case related to Govt/Public undertaking Sector have been considered on priority basis as per the Office Memorandum of MoEF, Gol issued vide dtd. 04.11.2008, para 3(1).

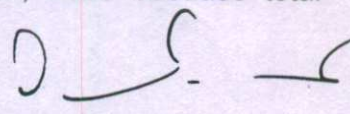
S.No.	Case No.	Category	No. & date of latest SEAC Meeting
1.	5571/2017	8(a)	294th SEAC meeting dtd 23.06.17
2.	5507/2017	8(b)	293 rd SEAC meeting dtd. 17. 06.17

1. **Case No. 5571/2017:** Prior Environmental Clearance for proposed Integrated Township - Mixed Used Development Project "Surya Nagar, Gwalior" at Village - Laxmangarh & Baretha, Tehsil & Dist. Gwalior, MP, Total Land Area – 230590.0 sq.m,(23.06 ha) Proposed built-up area- 145015.37 sq.m. (including all covered parking & service areas) by Executive Engineer, M.P. Housing & Infrastructure Development Board, Div. No. 2, Deendayal Nagar, Gwalior, MP- 474005 E-mail eedn2hbjw@ mo.gov.in Telephone No. 0751-2470150

- (1) The proposed project is building and construction Integrated Township - Mixed Used Development Project "Surya Nagar, Gwalior". The proposed site has three distinct elements – (1) Commercial development in form of Transport Nagar (as per Gwalior Development Plan 2021) on 3.4465 ha area; (2) 1.2714 ha area forms part of 30 m wide proposed Development Plan Road (which once constructed will connect the site to Gola Ka Mandir and AH-43) and (3) 18.341 ha area under Residential land use.
- (2) The project includes Multi Unit LIG – 112 Nos. Sr. LIG – 256 Nos. MIG – 176 Nos. Jr. HIG – 128 Nos. HIG – 240 Nos. Multi Unit EWS – 96 Nos. Plots – 402 Nos. LIG Plots – 9 Nos. EWS Plots – 17 Nos. Commercial Unit – 4 Blocks of 2 floors each Community Hall – 1 No. Primary School – 1 No. MPEB office – 1 No. Suvidha Kendra – 1 No. etc.
- (3) It is noted that the site is located in close proximity to Gwalior airport which is primarily an Indian Air Force base. In view of the strategic importance of the airport, the Master Plan 2021 for Gwalior has defined an airport regulation zone within a radius of 4 km from the airport wherein only 6m high buildings are permitted. Substantial portion (14.21 Ha (61.62%) out of total area of 23.059 Ha) of the proposed site fall under the airport regulation zone.
- (4) As per the T & CP Gwalior (vide letter dtd GWLLP / 2590/04511 / NAGRANI / 2017 Dated 25.02.2017) the total land area of the proposed project is 23.06 ha The total built up area proposed by PP is 145015.37 sq.m. The project comes under 8 (a) category (B) of schedule of EIA Notification, 2006 because total


(Anupam Rajan)
Member Secretary


(H.S. Verma)
Member


(Waseem Akhtar)
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construction is between 20,000 sq.mt. & 1,50,000 sq mt. and plot area is less than 50 ha.

- (5) The case was discussed in SEAC meetings 293rd dtd 17.06.17 and 294th dtd 23.06.17 and is recommended for grant of prior EC subject to 15 special conditions.
- (6) After deliberation the case was discussed in depth and it is noted that :-
- (i). PP has submitted notarized copy of Khasra Panchsala 2015-16. As per the Khasra Panchsala the land is the name of M.P. housing & Infrastructure Development Board Gwalior
 - (ii). The total water requirement is 1173 KLD. The fresh water requirement is 642 KLD & recycle water is 531 KLD. The source of water supply is Municipal Corporation, Gwalior. PP has submitted letter from Municipal Corporation, Gwalior. dtd. 15.05.17 regarding water supply.
 - (iii). The total waste water generation is 871.85 KLD. PP has provided 900 KLD capacity of Sewage Treatment Plant. The total treated waste water is 785 KLD. PP has proposed to recycle the waste water for flushing (326 KLD), horticulture (205 KLG) etc and remaining 254 KLD is proposed to be discharged off to Municipal sewer line for which PP has lay down their sewage network line up to the municipal sewer line. PP has submitted a certificate regarding reuse of extra treated water until the development of sewer line.
 - (iv). A natural drain is passing through and near the eastern side of the project boundary. PP has proposed MOS upto 9.0 m both side along with the natural drain as MPBVR 2012 Clause no. 50(b) and also provided additional green area of 2261.88 sq. m. with three rows plantation to protect the natural drain area from any type of encroachment.
 - (v). Approximately 3.944 TPD Municipal Solid waste shall be generated. The generated biodegradable and non biodegradable waste will be collected separately and disposed of at the landfill site of Municipal Corporation Gwalior. **PP has submitted letter (dtd. 29.05.2017) from Municipal Corporation, Gwalior for disposal of solid waste.** The MSW collection centre will be at the gate of the campus where three covered bins of green, white and black color will be placed for collection from the campus and for final transportation for disposal. PP has also proposed area for 2 Days Storage Of MSW (Area 16 sq.mt.)
 - (vi). PP has proposed to provide fire pump house, external hydrant system, Internal hydrant system, hose reel, hose boxes, fire alarm system and fire extinguishers etc as per NBC 2005.
 - (vii). The maximum height of the building is 24 m. PP has proposed Road width as 15m and Front MOS 8 m and side / rear MOS 8.0 m for multi unit and Road width & front MOS 9.0 m & side / rear 7.50 for duplex and Road width 9.0 m, front MOS & side / rear 4.50 for commercial.

The current approach to the site is through 7.5m wide PMGSY road which emerges from NH-92. In order to have a proper site connectivity, MPHIDB

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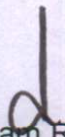
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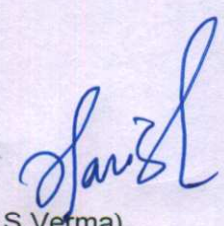
has been allotted Khasra No. 322/1 which will help connecting the site to AH- 43 through provision of 18m wide road. PP has also proposed to widen the existing 7.5m wide PMGSY road to 18m on the road stretch which passes through the MPHIDB site. The planning philosophy for the site is therefore based on the 18m wide approach road; 30m wide Development Plan road and segregation of commercial development in form of transport nagar and residential activities. It is proposed to have separate entry/exit points for commercial development as transport nagar and residential use zones.

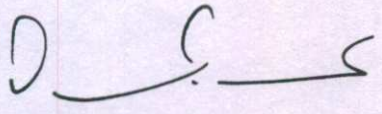
- (viii). PP has submitted roof top rain water harvesting system for ground water recharging and has proposed 11.no of recharging pits having a volume of 3 cu. m. each.
- (ix). Adequate storm water channels at the site will be provided in drainage design to ensure that the storm water runoff flow direction and drainage pattern remains unaffected during post construction/ operational phase.
- (x). The total power requirement is 5068 KW. The source of electricity is Madhya Pradesh Kshetra Vidyut Vitran Company Limited. For power backup PP has proposed 2 No. DG set (600 KVA Each). For energy conservation measures PP has proposed use of energy efficient pumping, high efficiency LED light for street light and open space. PP has also proposed for Solar panel for Common Area Lightning (Garden & Road Area) to save upto 20% of Total Load i.e. 1013.6 KW (1267 KVA) that will be actual saving of electricity.
- (xi). PP has proposed to provide 846 ECS for multi unit (Stilt-526+ 321open), 144 ECS (open parking) for commercial development and 402 ECS for Plotted Development (Individual) .
- (xii). PP has proposed an area of 27915.02 sq.m. to be developed as green area by planting 3233 no. of trees in total open area, periphery of the project area along the road and periphery of school area.

Hence It is decided to accept the recommendations of 294th SEAC meeting dtd dtd 23.06.17 with 15 special conditions and accord Prior Environmental Clearance for Integrated Township - Mixed Used Development Project "Surya Nagar, Gwalior" at Village - Laxmangarh & Baretha, Tehsil & Dist. Gwalior, MP , Total Land Area – 230590.0 sq.m.(23.06 ha) Proposed built-up area- 145015.37 sq.m. (including all covered parking & service areas) by Executive Engineer, M.P.Housing & Infrastructure Development Board, Div. No. 2, Deendayal Nagar, Gwalior, MP- 474005 subject to following specific conditions imposed by SEIAA:-

- (1) The fresh water supply arrangement should be met through Municipal Corporation, Gwalior 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.**


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- a. PP should ensure linkage with municipal sewer line by laying the primary sewer line up to Municipal corporation networking line as committed for disposal of extra treated waste water.
- b. The treated wastewater of 785 KLD shall be recycled and reused for flushing (326 KLD) and gardening & other uses (205KLD) to reduce the demand of fresh water as committed.
- c. Ensure establishing STP with increased capacity of 1200 KLD. PP should make sure to operate and maintain the STP as per MPPCB norms.
- d. The Project Proponent shall explore the possibilities of reusing the treated wastewater from nearby construction projects during rainy season.

(4) Solid Waste Management:

- (a) Pp should ensure to develop MSW collection centre at the gate of the campus where three covered bins of green, white and black color will be placed for collection from the campus.
- (b) PP must ensure to provide an area for 2 Days Storage Of MSW (Area 16 sq.mt.) as proposed.
- (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. 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.

- (5) PP should ensure road width, front MOS and side / rear as per MPBVR 2012.

(6) For firefighting:-

- (a) PP should ensure connectivity to the fire station from the project site.
- (b) As per MPBVR, 2012 rule 42 (3) PP should submit necessary drawings and details to the Authority (Municipal Corporation, Gwalior) 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.
- (c) Since the PP is constructing high rise towers, the nearest fire station should be well equipped with all the necessary equipments and gadgets required for high rise buildings. MPHIDB should also contribute to Nagar Nigam Gwalior to make the fire station fully equipped to handle cases in the event of any adversary.

(7) For Rain Water Harvesting, and Ground water recharge:-

- (a) PP should ensure the rain water harvesting with 11 nos of recharging pits and these pits should be connected laterally to consume the surplus runoff. In addition, PP should provide recharging trenches. The base of the trenches should be Kachha with pebbles.
- (b) The storm water from roof – top, paved surfaces and landscaped surfaces should be properly channelized to the rain water harvesting sumps

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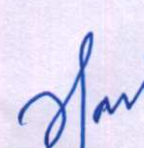
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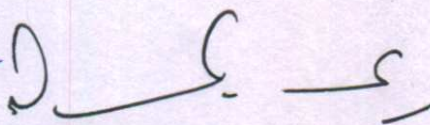
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through efficient storm water network as proposed. The budget should be included in EMP plan for storm water management.

- (c) 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.
- (8) PP should ensure to provide car parking as proposed 846 ECS for multi unit (Stilt-526+ 321open), 144 ECS (open parking)for commercial development and 402 ECS for Plotted Development (Individual)
- (9) **For Energy Conservation PP should Ensure :-**
 - (a) To install Solar panel for Common Area Lightning (Garden & Road Area) to save upto 20% of Total Load i.e. 1013.6 KW.
 - (b) Use of LED lights in the common areas, landscape areas, signage's, entry gates and boundary compound walls etc.
 - (c) PP should also ensure to adopt energy conservation measure as per the State Govt. Policy.
- (10) **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.
- (11) **Green belt :-**
 - (a) PP should ensure plantation in an area of 27915.02 sq.m. to be developed as green area by planting 3233 no. of trees in total open area, periphery of the project area along the road and periphery of school area. Trees of indigenous local varieties like Neem, Peepal, Kadam, Karanj, Kachnaar, Saptparni, Saltree, Gulmohar etc. etc. should be planted.
 - (b) PP should ensure to provide additional green area of 2261.88 sq. m. with three rows plantation to protect the natural drain area from any type of encroachment.
 - (c) No existing trees will be allowed to cut. Every effort should be made to protect the existing trees on the plot.
 - (d) 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.
- (12) The two developments viz. commercial development in form of transport Nagar and residential neighborhoods have totally different character; PP should ensure these two areas should be kept segregated and be planned separately to each other. Transport Nagar would not be the part of Environmental clearance. Further development or expansion of the transport Nagar requires EC.
- (13) PP must ensure to construct a curtain buffer between the proposed transport nagar and the residential complex to suppress the air & noise pollution.


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- (14) 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.
- (15) 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.

2. **Case No. 5507/2017:** Prior Environment Clearance for Redevelopment/ Modification and Expansion Project Hamidia Hospital (Smart Medicity), Royal Market, Hamidia Road, Peer Gate, Bhopal, Total land area- 1,61,915.4 sq.m. Total Built up Area is 1,87,470.15 sq.m. (Existing: 52,382.25 sq.m; proposed: 1,35,087.9 sq.m) by Public Works Department, Project Implementation Unit, Bhopal Shed No. 14 A, Jawahar Chowk, Dist. Bhopal, MP E-mail- piubhopal@gmail.com Ph.0755- 2771953

- (1) The proposed project pertains to Redevelopment/ Modification and Expansion of Hamidia Hospital located at Royal Market, Hamidia Road, Peer Gate, Bhopal, (M.P.). The site area will remain same as earlier 1,61,915.4 sq.m. (40.01 acre). However, the built-up area will increase from 76,641.62 sq.m. to 1,87,470.15 sq.m. (Existing: 52,382.25 sq.m; proposed: 1,35,087.9 sq.m).
- (2) The total land area is 40.01 acre at Royal Market, Hamidia Road, Peer Gate, Bhopal, (M.P.). The total built-up area proposed by PP is 1,87,470.15 sq.m. The project comes under 8 (b) category (B) of schedule of EIA Notification 2006 as the construction is more than 1,50,000 sq.mt.
- (3) The case was discussed in SEAC meetings 287th meeting dtd. 25.02.17, 288th dtd. 30.03.17, 290th dtd. 22.05.17, 291st dtd 30.05.17, 293rd dtd. 17. 06.17 and is recommended for grant of prior EC subject to 22 special conditions.
- (4) After deliberation the case was discussed in depth and it is noted that :-
 - (i). The land required for redevelopment of existing and proposed project is already in possession of Gandhi Medical College.
 - (ii). The project includes retaining of Certain existing buildings, demolish of some building and adding some new buildings which are as follows:
 - (a) **Existing buildings to be Demolished:** ETP, Admin and Blood Bank, Charm Rog Vibhag, Physiotherapy, Lions ward Old Pvt. Deptt., Operation Theatre and Eye Ward, Operation Theatre, ICCU Cardiology and Medical Ward, Medical Ward.
 - (b) **Existing buildings to be Retained:** Virology Lab, Animal House, Kamla Nehru Hospital, Lab, Admin & Blood Bank, Old OPD, New OPD.
 - (c) **Proposed New Buildings:** Hospital Block I, Hospital Block II, Multilevel Parking 10 and 11, Connecting Bridge.

Details of remaining part of Gandhi Medical College (excluding Hospital)

- (d) **Existing buildings to be Demolished:** Girls Hostel (A3, B4 Block), Boys Hostel (B5 Block), Quarters (A4, A7, B7, B8), Houses (A5, A6,

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B6), Post Office, Hawa Mahal, Corridor, Kitchen, Garage, Restaurant, Nurse Hostel, H Shade.

(e) **Existing buildings to be Retained:** Boys Hostel (M1-M3), Girls Hostel(D2, D1), Guest House, Gandhi Medical College, Mosque, Staff Quarter(J), Sports Block, Hostel adjoining Kamla Nehru Hospital.

(f) **Proposed New Buildings:** Nursing College and Hostel, Hostel 7

- (iii). It is noted that the site is within 10 Km radius of Van Vihar National Park (a Notified PA) clearance from NBWL is therefore needed and thus they have filled online application for NBWL clearance with Proposal No. FP/MP/DISP/1504/2017 & date of submission 02/03/2017.
- (iv). PP vide letter no. 385 dated 17/05/2017 has informed that there is no structure being constructed within 100 meters/ regulated boundary of existing structures of archeological importance.
- (v). The total water requirement is 1170 KLD (Existing- 482 KLD + After expansion - 782 KLD).. The source of water supply is Bhopal Municipal Corporation. PP has submitted letter (dtd. 03.06.17) from Nagar Nigam Bhopal for supply of water.
- (vi). The wastewater generated from OPD, IPD, OT, Blood bank and Labs will be approx. 90 KLD, which will be treated in an onsite ETP of 100 KLD capacity. PP has proposed to install the Multiple Effect Evaporator (MEE) to evaporate the treated water from ETP. An evaporator is essentially a heat exchanger in which a liquid is boiled to give a vapour, so that it is also, simultaneously, a low pressure steam generator. Total treated water from ETP would be 72 KLD and total 18 hrs required to complete the MEE process.

The waste water generation of the Hospital (excluding IPD,OPD, OT, Blood Bank & Lab) and Nursing College is 804.5 KLD. PP has provided sewage treatment plant of 960 KLD. The total treated waste water is 592 KLD. Out of this 548.5 KLD will be recycled & reused (252.5 KLD flushing + 41 KLD horticulture+ 255 KLD HVAC.) and remaining treated waste water 44 KLD is proposed to be disposed off to nearest municipal sewer line..

- (vii). Approximately 2639.4kg/day Municipal Solid waste shall be generated which is proposed to be segregated at source and collected in three coloured bins and disposed off at trenching site of BMC . For Hospital waste collection, adequate numbers of colored bins (Red, Yellow, Black, Blue and dark blue bins) are proposed to be provided at strategic locations within the hospital. Sludge from the STP will used as manure at the site or landscaping and greenbelt development. PP has submitted letter dtd 02.06.17 from Nagar Nigam, Bhopal for disposal of MSW.
- (viii). Bio Medical waste 639.25 kg/day shall be generated from the hospital, which is proposed to be collected as per the Bio-Medical Waste (Management and Handling) Rules, 2016 and shall be treated in common disposal facility of Bhopal Incinerator, Govindpura, Bhopal (MP) as per agreement executed on dtd.07.07.2015.

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- (ix). The Hazardous waste (ETP sludge 13.4 kg/day) shall be generated which is proposed to be disposed off to TSDF site.(Pithampur).
- (x). As per the provisions of Construction & Demolition Waste Management Rules, 2016, following system will be followed for storage of demolition waste:
 - a. All construction/demolition waste would be stored within the site itself.
 - b. A proper screen would be provided so that the waste does not get scattered.
 - c. Waste would be segregated into different heaps so that their further gradation and reuse is facilitated.
 - d. Material which can be reused at the site for the purpose of construction, leveling, making road/pavement etc. would be kept in separate heaps from those which are to be disposed off through approved local vendors.
- (xi). PP has proposed to provide Fire Box with accessories, hydrant valve, Hose reel, fire extinguishers, hooter and manual call point as per NBC 2005. PP has submitted provisional NOC from Nagar Nigam, Bhopal (28.01.13).
- (xii). PP has proposed to provide Sprinkler system, hydrant system, fire hose cabinet, Fire extinguishers, etc. as per NBC 2005.
- (xiii). The project site is located in a hilly terrain. The entire run-off flows into the nearby lake. Considering the sub-soil characteristics, rainwater harvesting is not feasible for recharge of ground water. Therefore, rain water harvesting system has not been proposed for the project.
- (xiv). PP has proposed two entry and exits from Fatehgarh area and Sultania Road and suitable internal roads for intra movement of patients, medical staff.
- (xv). PP has proposed 1496 ECS (Multi level parking (covered) - 1004 ECS & open- 492 ECS.) for hospital buildings and residential facilities hostels.
- (xvi). The total power requirement is 7232.17 kVA (Existing- 700 kVA + After expansion - 6532.17 kVA and the source is Madhya Pradesh Power Corporation Limited. PP has proposed 9500 kVA DG set for power back up. For energy conservation PP has proposed provision of Solar energy for solar lighting and solar water heater, LED based lighting for indoor and common areas and LED Batten Luminaries based Lighting for the Multi-Level Car Parking.
- (xvii). PP has proposed an area of 90,000 sq.m. for the green area by planting 1513 trees and retaining 261 nos. of existing trees of peripheral plantation. It was also submitted by the PP that 228 trees are proposed to be uprooted for which permission of competent authority has been obtained and compensatory plantation activities be taken up as per the approval of the competent authority.

The Authority decided to accept the recommendations of 293rd SEAC meeting dtd. 17. 06.17 with 22 special conditions and accord Environmental Clearance to proposed for Redevelopment/ Modification and Expansion Project Hamidia Hospital (Smart Medicity),

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Royal Market, Hamidia Road, Peer Gate, Bhopal, Total land area- 1,61,915.4 sq.m. Total Built up Area is 1,87,470.15 sq.m. (Existing: 52,382.25 sq.m; proposed: 1,35,087.9 sq.m) by Public Works Department, Project Implementation Unit, Bhopal Shed No. 14 A, Jawahar Chowk, Dist. Bhopal, MP subject to all specific conditions imposed by SEIAA in its meetings.

- (1) The fresh water supply arrangement should be met through Municipal Corporation, Bhopal 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. Regular quarterly monitoring of treated effluent should be carried out by PP through MPPCB and if any of the parameter is found to be above the prescribed standard limits PP should ensure the redressal measures immediately so that the water quality of treated effluent confirms the prescribed norms.
- b. MPPCB should ensure the quality of treated effluent and The entire treated waste water should be recycled as proposed by PP and there should be no discharge of treated waste water outside & within the premises. PP should ensure zero discharge of waste water from the project site.
- c. Complete disinfection of the treated waste water from ETP and STP has to be ensured before re-using the same for the proposed auxiliary utilities.
- d. Ensure to regular operation and maintenance of the STP & ETP should be done.
- e. Neither the STP overflow nor the treated effluent should be discharged in the upper lake drainage.
- f. PP should ensure that the discharge of extra treated waste water (if any) is linked with the proposed municipal sewer line.
- g. Appropriate STP 1200 KLD & ETP capacity of 150 KLD presented in meeting shall be installed and the same be monitored for effective treatment by MPPCB. Proper planning and detailing regarding installation of STP and ETP should be done to ensure that all paramedical facilities like laundry, OT, patients wards, OPD etc. should be properly connected to STP and ETP.

(4) Solid, Bio-Medical and Hazardous Waste Management:

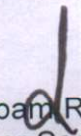
- (a) Separate wet and dry bins must be provided at the ground level for facilitating segregation of waste.
- (b) The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- (c) The STP sludge after press-filtration shall be disposed off with MSW.
- (d) The MSW shall be disposed off at the designated disposal site of the city.

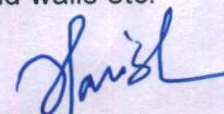
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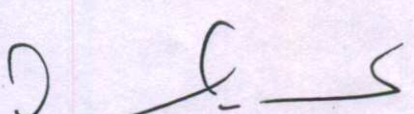
(H.S.Verma)
Member

(Waseem Akhtar)
Chairman

- (e) PP should ensure handling, disposal and management of hazardous waste (if any) as per the related prescribed rules and obtain authorization from MPPCB regarding hazardous waste disposal.
 - (f) PP should ensure disposal of hazardous waste (if any) regularly through sale or in TSDF site and there should be no dumping of these materials in the premises/outside.
 - (g) E-waste generated from the project site which is proposed to be handled according to E-Waste (Management and Handling) Rules, 2011 and supplied to MPPCB approved recyclers. It is decided that, (Management and Handling) Rules, 2011 should be followed strictly for the disposal of E-waste.
- (5) PP should ensure road width, front MOS and side / rear as per MPBVR 2012.
- (6) **For firefighting:-**
- (a) PP should ensure connectivity to the fire station from the project site.
 - (b) As per MPBVR, 2012 rule 42 (3) PP should submit necessary drawings and details to the Authority (Municipal Corporation, Bhopal) 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.
 - (c) Since the PP is constructing high rise towers, the nearest fire station should be well equipped with all the necessary equipments and gadgets required for high rise buildings. PP should also contribute to Nagar Nigam Bhopal to make the fire station fully equipped to handle cases in the event of any adversary.
- (7) **For Storm Water Management:-**
- (a) The storm water from roof – top, paved surfaces and landscaped surfaces should be properly channelized through efficient storm water network.
- (8) PP should ensure to provide car parking as proposed 1496 ECS (Multi level parking (covered) - 1004 ECS & open- 492 ECS.) for hospital buildings and residential facilities hostels
- (9) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Necessary signage including continuous display of status of parking availability at entry, exit and all other appropriate places shall be provided which should have appropriate size of letters and shall be visible from the at least 50 meter distance from the adjacent road. No public space 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.
- (10) **For Energy Conservation PP should Ensure :-**
- (a) The premises should be energy efficient by adapting ECBC guidelines where ever possible.
 - (b) Use of LED lights in the common areas, landscape areas, signage's, entry gates and boundary compound walls etc.


(Anupam Rajan)
Member Secretary


(H.S. Verma)
Member


(Waseem Akhtar)
Chairman

- (c) provision of Solar energy for solar lighting and solar water heater,
- (d) PP should also ensure to adopt energy conservation measure as per the State Govt. Policy.

(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 monitoring shall be carried out periodically as per the directions of MPPCB.

(12) Green belt :-

- (a) PP should ensure plantation in an area of 90,000 sq.m. by planting 1513 trees and retaining 261 nos. of existing trees of peripheral plantation. Trees of indigenous local varieties like Neem, Peepal, Kadam, Karanj, Kachnaar, Saptparni, Saltree, Gulmohar etc. etc. should be planted.
 - (b) PP should to provide additional green area outside of the premises with three rows plantation.
 - (c) Every effort should be made to protect the existing trees on the plot and if any existing trees are proposed to be cut then compensatory plantation should be taken up within the hospital premises and in addition to 1513 trees being planted by the PP.
 - (d) Green belt may be developed at an elevated level by raising the ground level by around two feet and sloping inwardly from western boundary (facing the VIP road / lake.) such that no over-flows can reach the VIP road through slopes.
 - (e) 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.
- (13) PP should ensure demolished all the existing structures proposed in the project site.
- (14) 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.
- (15) 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.
- (16) The huge expansion of the hospital within a highly and densely populated area of old town calls for re designing of the existing external road network. It is for the consideration of the PP to plan and alternative elevated and dedicated road from VIP road to the hospital. This will definitely de-congest the already overloaded sultania road and fatehgarh road.

Meeting ended with a vote of thanks to the Chair.

(Anupam Rajan)
Member Secretary

(H.S.Verma)
Member

(Waseem Akhtar)
Chairman