

Minutes of the 495th Meeting of SEIAA dated. 01.08.2018

The 495th meeting of the State Level Environment Impact Assessment Authority was convened on 01.08.2018 at the Authority's Office in Environmental Planning and Co-Ordination Organization (EPCO), Paryavaran Parisar, Bhopal. The meeting was chaired by Shri Rakesh K. Shrivastava, Chairman, SEIAA. The following members attended the meeting:-

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| 1 | Shri R.K. Sharma | Member |
| 2. | Shri P Narahari | Member Secretary |

A. Following other than mining cases and mining cases have been considered:-

S.No.	Case No.	Category	No. & date of latest SEAC & SEIAA meeting
1.	5680/2018	8(b)	320 th SEAC meeting dated 14.07.18
2.	5191/2016	1(a)	454 th SEIAA meeting dated 07-11-17
3.	5266/2016	1(a)	482 nd SEIAA meeting dated 11-05-18

1. **Case No. 5680/2018:** Prior Environment Clearance for "Area Based Development Project" for Bhopal Smart City Kotra Sultanabad, Bhopal City (North & South T.T. Nagar) Tehsil Huzur District Bhopal Total Plot Area- 138.5 ha. Total Built up Area (In consideration with FAR) 19.32 lakhs sq.m by Bhopal Smart City Development Corporation Limited through CEO of the SPV, Mr. Chandramauli Shukla Zone 14, near Tatpar petrol pump, BHEL Govindpura, Bhopal Madhya Pradesh- 462023 E-mail: chandramaulishukla @ gmail.com Telephone No.: +91-94068 01 00 Env't. Consultant: Tata Consulting Engineers Ltd. Navi Mumbai, Maharashtra

- (1) The proposed project is Area Based Development Project for "Bhopal Smart City" Plot Area: 138.5 ha, Total Built-up Area (in consideration with FAR): 19.32 lakhs sq.m. located at Khasra No. - 34, 35, 36, 37, 109, 110, 112, 113, 114, 108, 115, 102, 101, 119, 120, 126, 127, 128, 129, 130, 133, 121, 122, 123, 124, 118, 116, 117, 125, 134 Village - Kotra Sultanabad and 1416, 1421, 1417, 1420, 1444, 1418, 1419, 1455, 1456, 1457, 1406, 1407, 1458, 1488, 1491, 1492, 1494 Bhopal City, Tehsil - Huzur, Distt. - Bhopal, (M.P.).
- (2) The Project area includes North and South TT Nagar starting after new market in the north and extending till Mata Mandir chowk in the south. The Site is next to existing BRT corridor passing through New Market from Roshanpura Square in to MP Nagar on the east.
- (3) The project is proposed for Residential, Commercial, Industrial Public and Semi Public and Utility Buildings and Educational Institutes along with Medical Hub, Engineering Hub, Industrial Training Institute Hub. Distribution of built-up area are as follows:-

Land Use	Unit	Commercial	Residential	PSP, Utilities	Total
Total BUA	Sq.m.	3,03,978.87	12,71,313.7	3,57,401.81	19,32,694.38

- (4) Under the ABD project PP has proposed following activities for the development of project:-

Existing Building to be Demolished - 3200 F, G, H & I Type Government Residential Houses, Government Offices within the project area.

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Buildings to be Retained – CI Homes, Platinum Plaza, Existing Multi Level Parking at New market, MataMandir, Kali Badi Temple and Jain Temple near TT Nagar Stadium, Temple Guest Houses and Church in front of 12 Daftar.

Building to be Renovated or Retrofitted –Model Higher Secondary School, Kasthurba Vidyalaya, Chandra Shekar Azad School, Model Higher Secondary School, Deep Shikha School, Gandhi Bal Mandir, Govt. Concept School (Govt. Samrat Ashok), D.A.V Higher Secondary School, Seven Hills Public School, Kamala Nehru Senior High School, Nutan Subhash Higher Secondary School, Gold Flower School. Priyadarshini Super Bazar, Rainbow Children Hospital, Katju Hospital, Rangmahal Talkies, State Bank Of India, Post Office Building, LIC Building-Bhadrabada Road, BSNL Office, TT Nagar Stadium, MLA Quarters along Bhadrabada Road.

Proposed New Buildings – 3200 F, G, H & I type government houses, Commercial Building. Apart from these as per the approved layout phase wise construction of various other commercial and residential units will be done as per the proposal submitted. Infrastructure including Road, Storm Water Drainage, Fire Fighting, Water Supply, Sewerage, Power, ICT, WTP, STP and Automated Solid Waste Management will be developed in the entire ABD project area.

- (5) TOR was approved in 19th Meeting of Expert Appraisal Committee (Infra 2) dated 29th June 2017. File No: 21-202/2017-IA-III in absence of MP-SEIAA and EIA submitted by along with application form.
- (6) The total land area is for the proposed project is 138.40 ha (342 acre). The total built up area proposed by PP is 19.32 lakhs sq.m. The project falls under item 8 (b) Area & Township development project category (B1) of schedule of EIA Notification, 2006 & its amendments because total construction is more than 1,50,000 sq m and land area is more than 50 ha.
- (7) The case was discussed in SEAC meetings 317th dtd. 20.06.18 and 320th meeting dtd. 14.06.18 is recommended for grant of prior EC subject to 46 special conditions.
- (8) AS per above recommendation the PP called for presentation and after deliberations by PP the case was discussed in depth & it is noted that:-
 - i. The project is proposed for re-redevelopment of 342 acres of land area including North and South TT Nagar of Bhopal city. Vide Order No. F-101-08/2017/18-2 dtd. 05.05.2017 of Govt. of Madhya Pradesh, the 342 acres of land have already been transferred to Bhopal Smart City Development Corporation Limited. Further Vide Order No. F-3-79/2018/18-5 dtd. 13.06.2018 of Govt. of Madhya Pradesh approved the Master plan for the development of Bhopal Smart City which are as follows:-

S No	Land Use Categories	Area (Ha)	Proposed Land Use (%)
1	Residential	45.67	33.2
2	Commercial	22.14	16.1

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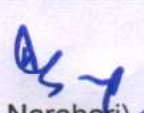
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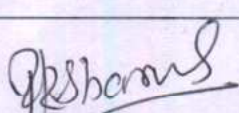
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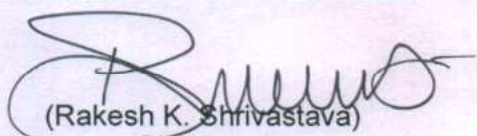
3	PSP+Utility	11.07	7.9
4	Green/Open Spaces	23.53	16.7
5	Roads	35.98	26.1
Total		138.40	100.0

- ii. PP has submitted details of Khasras included in the proposed project in Kotra Sultanabad area and Bhopal City as per approved master plan.
- iii. It is noted that the project site consists of developed government owned land along with trees and bushes. Government housing and small shops shall be relocated to existing clear parcels of land within the site. After which the buildings shall be cleared for further development. It was also observed that several high rise buildings are proposed in this project for which necessary high rise building permissions shall be obtained from the competent authority. Apart from the area development and Iconic building which will be developed by the PP under smart city project, there are other 99 plots which will be developed during course of time.
- iv. The total water requirement is 20.74 MLD. The source of water supply is Municipal water through Kolar water dam followed by water treatment at Kolar plant. **PP has submitted letter (18.04.17) from Municipal Corporation Bhopal for water supply.**
- v. Total waste water generation will be 12.28 MLD, Treated water shall be reused for flushing, gardening, road washing, landscape & irrigation of plants, shrubs etc. so tertiary treatment is recommended along with the SBR technology for primary and secondary treatment. The treated water from 2 STP's to be pumped to 2 recycles water distribution lines and used for flushing and landscape purposes. **PP has submitted letter (dtd. 18.06.2017) from Municipal Corporation Bhopal for remaining extra treated waste water shall be connected to main sewer network.**
- vi. Air emission sources in the proposed ABD Area are domestic Cooking, hotels/ restaurants, building construction and vehicular emission etc. For control of emission PP has proposed as follows:-

S. No	Sectors	Actions Subcomponent
Vehicular Source		
1	Vehicle Technology	Engine technology, combustion efficiencies (cleaner engines), type of vehicles-2-4 stroke, CNG engines, electric vehicle etc.
2	Fuel Quality	Diesels levels, other fuels and their levels of sulphur, benzene et
3	Fuel Mix	Petrol, Diesel, CNG, LPG, Biodiesel Demand and supply issues
4	Inspection and Maintenance programme	PUC pattern, improvement in roadside inspection, lifetime monitoring, retro fitment
	Standards	In-us e vehicle standards, manufacturers standards (COP)


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	Traffic and congestion	Space available, road quality, traffic management, taxes, parking
	Public Transport	Effectiveness and the benefits of certain measures to support public transportation system
	Re-suspension of road dust	Measures to reduce by various means, sweeping, paving, wetting etc., pavement.
Area Sources		
	Construction dust	Measures to reduce, guidelines for transportation of debris, excavation
	Hotel and Restaurants	Use of fuel

- vii. Approximately 58.97 TPD waste shall be generated. Segregation of waste will be proposed at source in order to provide suitable treatment process and attain sustainable SWM approach. The automated waste collection (AWC) system shall support in having waste streaming which will further be collected at dedicated Waste Collection Station. Segregated waste will be diverted to systematic treatment as per the category of waste. The wet waste is proposed to be treated using bio-methanization technology. **PP has submitted letter (dtd. 18.04.2017) from Municipal Corporation Bhopal for disposal of solid waste.**

For efficient waste collection management system the entire city is divided into 14 Zone and following methods will be adopted:

- Automated waste collection system is adopted
 - Dry Waste: Recycled
 - Wet Waste: Bio-Methanation Plant (2X10 T and 5T)
 - Inerts will be transferred to Bhopal landfill site.
 - 2.7 TPD sewage sludge Manure will be used within project boundary for landscaping
- viii. House hold Hazardous waste will be segregated from municipal solid waste and treated separately in accordance with the Hazardous Waste (Management and Handling) Rules, 2016.
- ix. The total excavated earth material is **2,11,583 cum**. The filling material requirement for the project is **8,30,303 cum**. Considering 20% top soil out of the total excavated earth material. The top quantity of Top soil in cutting for entire ABD area is **36,797 cum**. The top quantity of Top soil in filling for entire ABD area is **1,44,400.5 cum**. The additional top soil **107603 cum** required for the project area can be obtained from dredging of surrounding lakes during summer season.

For top soil and excavated earth management following measures will be taken:

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- Top soil (upper 30 cm) will be removed prior to commencement of bulk earthwork and preserved for reuse in landscape development onsite for each individual project within the project area.
 - Minimum clearance of vegetation shall be carried out and the vegetative cover shall be redeveloped wherever possible.
 - The cut and fill plan ensures that all the excavated earth material will be utilized within the project boundary for filling purpose during construction.
- x. The total flow from the ABD area before development is 15.67 cum/sec and the Total discharge after development is 15.57 cum/sec. The difference between the two i.e. 0.10 cum/sec has been taken care of by rainwater harvesting.

Individual plot owners will be responsible for constructing recharge pits within their plot to ensure rain water harvesting.

- xi. Based on power demand norms the total power requirement of project area is 47 MVA Phase - I 24 MVA and Phase-II 23 MVA. 24x7 power supply provided by MP electricity Regulatory commission. No DG sets are proposed in the project. The Power demand can only be fed on extra high voltage level as per MP supply code 2013. For energy conservation PP has proposed following:-

- Characteristics of glass which will be used by the individual developer, should be in line with E.C.B.C. guidelines & IGBC guidelines
- The passive solar architectural features will be developed by individual plot developer in-line with E.C.B.C guidelines
- Solar panels over the light posts, bus stands and toilets within the street section allow capturing of solar energy
- The shading will be provided by individual developers in line with E.C.B.C guidelines.
- Individual developers would be using CFC and HCFC free chillers, if required
- For the ABD area, smart solar proposals are proposed in order to reduce the grid demand.
- Smart Street lighting system with LED fixture for outdoor which reduce the energy consumption by 40%.
- Use of Energy efficient equipments (for e.g. Transformer, Motor, Lighting fixtures etc).
- Smart meter is proposed for real time energy tracking, load forecasting, time varying Rates, demand response, real time outage detection and restoration notification, dynamic voltage control, and to enhanced customer service
- All building lighting will be designed as per ECBC
- Use of Automatic power factor correction (APFC) panels to improve power factor to 0.98/ 0.99 from 0.8

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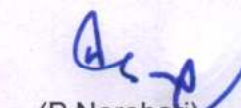
- In order to meet the standby power from the solar energy and sizing of solar water heating systems, it is estimated that **12%** of total power will be generated through roof top solar.
- xii. To facilitate smooth traffic movement PP has proposed following:-
- Total length of roads and footpath-14.89 Km. Total length of Cycle track- 10.60 Km.
 - Start point to End point vehicle, pedestrian and cycle traffic circulation safe and smooth movement.
 - Maximum capacity of road (6 lane divided carriageway) -5000 PCU/hr.
 - Maximum capacity of pedestrian path- 4000 (both direction)
 - Every Footpath design for table top crossing, Drop off curve and ticktack tile facility (for Physically challenged persons and blind peoples).
 - Less than 400m walk public vehicle facility (Bus Stop/E-Riksha/Auto)
 - Every junction designed as per fire tender movement requirement.
 - In any emergency condition at any location alternative route/ diverted route is available, traffic evacuation within 3 min. from one route to other route to by pass the effected area.
 - Every road have storm water system, Street light, dustbin, seating arrangement and landscaping.
 - Every junction have Road/zebra marking with proper road signage for safety of pedestrian and smooth vehicular movement.

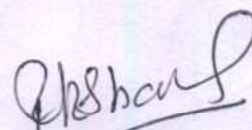
- xiii. **Traffic Management:** The Master Plan, published by state, was prepared considering all the inflow and out flow of the traffic to the project area.

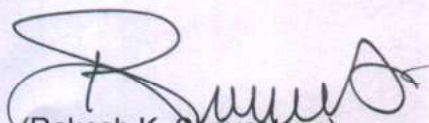
The two major roads (Bhadbhada Road & new Market Road) are proposed with metro with their stations at Roshanpura Chowk, Mata Mandir and Jawahar Chowk. The stations at these junctions will work as flyovers.

Proposal to connect Jawahar Chowk with existing Smart Road (Polytechnic Chowk to Bharat Mata Chowk) through a flyover passing above the existing Banganga Slum .

- xiv. Height of buildings is according to the width of the road, The building configuration varies from 30 m height (typical G+9) to 75m (typical G+24). All provisions for the fire-fighting shall be as per the provisions of the local fire authorities and as per relevant I.S. codes viz. National Building Code Part IV.
- The Classification of the building is Apartment Houses having height more than 15 meter in height falls under Moderate hazard category. A fire station is proposed at Plot 58 of the ABD project area having a plot area of 14,153 sq. m.
 - Existing Fire Station is near Link Rd Number 3 Panchsheel Nagar.


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- Risk involved with Bio-Methanization Plant: All these risk can be controlled and mitigated by US-EPA Common Safety practices for Bio-Methanization plant guideline.
- xv. Total parking area calculated for ABD area is 5,28,026 sq.m distributed as: Commercial- 261725 sq.m, Residential- 212571 sq.m, PSP/Utilities- 53731 sq.m. Multi level car parking, Basement Parking, Podium Parking are the provisions made for parking. Parking calculation is done as per local bye laws for each plot .

For Common Parking Facilities PP has proposed as follows:-

- Existing newly constructed Multi Level Car Parking near New Market has space for 1024 cars and 1000 two wheelers.
 - The proposed parking facility at Dussera maidan will have 350 ECS, space for 500 two wheelers, and 13 buses.
 - The proposed Haat Bazar will have 330 ECS and space for 300 two wheelers.
- xvi. Presently there are 6080 Trees and shrubs as per the Tree survey conducted within the project site. About 23.53 ha land is earmarked for dedicated green belt development. Some of the existing trees would be either protected or transplanted within the ABD area. Other trees shall be cut and compensatory trees shall be planted as per the BMC guidelines. Over and above the dedicated green belt, each plot will also have green and open spaces as per the project DCR. It is proposed to have native species for plantation only. Apart from the designated open spaces all the road within the project area will have tree lining. PP further submitted that they have obtained the tree cutting permissions for 850+42 trees from Municipal Corporation and submitted the copies of these approvals.
- xvii. **Benefits of the project:** Area- based development will transform existing areas (retrofit and redevelop), including slums, into better planned ones, thereby improving livability of the Bhopal City. New areas (Greenfield) will be developed around cities in order to accommodate the expanding population in urban areas. Application of Smart Solutions will enable cities to use technology, information and data to improve infrastructure and services.

The submissions made by the PP were found to be satisfactory and acceptable hence It is decided to accept the recommendations of 320th SEAC meeting dtd 14.07.18 with 46 special conditions and accord Prior Environmental Clearance for proposed "Area Based Development Project" for Bhopal Smart City Kotra Sultanabad, Bhopal City (North & South T.T. Nagar) Tehsil Huzur District Bhopal Total Plot Area- 138.5 ha. Total Built up Area (In consideration with FAR) 19.32 lakhs sq.m by Bhopal Smart City Development Corporation Limited through CEO of the SPV, Mr. Chandramauli Shukla Zone 14, near Tatpar petrol pump, BHEL Govindpura, Bhopal Madhya Pradesh- 462023, subject to following specific conditions imposed by SEIAA:-

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- (1) The entire demand of water should be met through Municipal Corporation, Bhopal 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) Existing storm water drains flowing through the project land shall not be stopped. They shall be integrated in the project drainage network design in such a way that flooding in the surrounding does not occur due to upcoming of the project.
- (4) **Disposal of waste water.**
 - (a) PP should ensure linkage with municipal sewer line for disposal of extra treated waste water.
 - (b) Project Proponent shall ensure power requirement for running the STP will be fulfilled by solar energy system.
 - (c) Ensure regular operation and maintenance of the STP.
 - (d) PP should maintain zero discharge in case of the municipal sewer line not laydown in the project area.
 - (e) The project proponent shall install and operate own sewage treatment plant (STP) having primary, secondary and tertiary treatment with advance technology. The treated sewage after achieving the norms prescribed by the Madhya Pradesh Pollution Control Board, shall be reused /recycled in the project for flushing, gardening, air conditioning etc within premises.
 - (f) Best available technology such as ultra violet radiation shall be used for disinfection of treated sewage before reuse / recycle / discharge.
- (5) **Solid Waste Management:**
 - (a) Separate wet and dry bins must be provided at the ground level for facilitating segregation of waste.
 - (b) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
 - (c) The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry1 inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
 - (d) The project shall be self sustainable in the management and disposal of the Municipal Solid Waste to be generated from the project. The MSW shall be properly collected and segregated at source. The technology to generate energy from the waste generating from the project as submitted shall be implemented.
- (6) PP should ensure road width, front MOS and side / rear as per MPBVR 2012.
- (7) The project proponent with co-ordinate with state Government/ Central Government continuously to ensure that the transport infrastructure of transport like BRTS and others common infrastructures come up simultaneously and maintain pace with the project.

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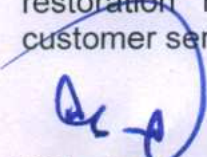
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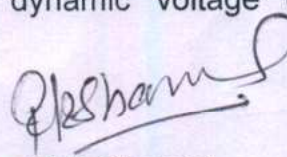
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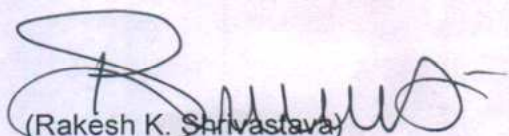
(8) For fire fighting:-

- (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) Structural design aspects in accordance to the seismic zone shall be strictly adhered to. National and state standards /codes shall be practiced for the structural safety of the high rise buildings.
 - (d) A detailed Disaster Management Plan for preparedness to meet with all types of disasters and unforeseen conditions shall be prepared before commencing the construction activities.
- (9) PP should ensure to provide rain water harvesting structure/recharging pits wherever is possible in the project area.
- (10) Traffic congestion on the roads approaching to the proposed project site and nearby highways (main roads) must be avoided by taking appropriate measures including the road signage, online / automatic displays, etc.
- (11) PP should ensure to provide car parking as proposed for Commercial, Residential, PSP/Utilities along with individual plots and common parking.
- (12) Necessary parking space to meet with the NBC norms or state bye-laws for project of this magnitude whichever is higher shall be provided. The space provided for the parking shall not be utilized for other purposes.
- (13) The project proponent will provide dedicated parking space within plot area of project for the parking of the staff bus fleet. These buses shall be always parked within project campus when off-road and shall not block the approach road to the site or any other roads in the region.
- (14) For Energy Conservation PP should Ensure to implement as committed :-**

- Characteristics of glass which will be used by the individual developer, should be in line with E.C.B.C. guidelines & IGBC guidelines.
- Solar panels over the light posts, bus stands and toilets within the street section allow capturing of solar energy
- The shading will be provided by individual developers in line with E.C.B.C guidelines.
- Individual developers would be using CFC and HCFC free chillers, if required
- Smart solar proposals are proposed in order to reduce the grid demand and Smart Street lighting system with LED fixture for outdoor which reduce the energy consumption.
- Installation of smart meter for real time energy tracking, load forecasting, time varying Rates, demand response, real time outage detection and restoration notification, dynamic voltage control, and to enhanced customer service.


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- All building lighting should be designed as per ECBC. Use of Automatic power factor correction (APFC) panels to improve power factor.
- Provide the standby power from the solar energy and sizing of solar water heating systems,
- The project proponent shall install the electric utilities / devices, which are energy efficient and meeting with the Bureau of Energy Efficiency norms, wherever applicable.

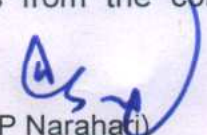
(15) Air Quality and Noise:-

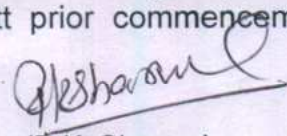
- (a) Dust, smoke & debris prevention measures such as wheel washing, screens, barricading & debris chute shall be installed at the site during construction including plastic/tarpaulin sheet covers for trucks bringing in sand & material at the site.
- (b) The exhaust pipe of the DG set if installed must be minimum of 10mtr away from the building or in case it is less than 10m away, the exhaust pipe shall be taken up to 6m above the building.
- (c) Monitoring of Ambient Air Quality, Noise level monitoring, ground and surface water monitoring through-out the construction phase of the project shall be carried out and results shall be prominently displayed at the site. The location of Ambient Air Quality Monitoring Stations and its frequency shall be decided in consultation with MPPCB.

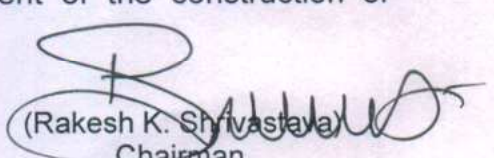
(16) Green belt :-

- (i). PP should ensure to develop 23.53 ha land for dedicated green belt.
- (ii). Explore the possibilities to transplant the existing trees within the ABD areas. Wherever the trees shall be cut the compensatory trees should be planted as per the BMC guidelines.
- (iii). Explore the possibility to increase number of trees planted in the project area along the road, around open space area, parking area and other amenities. Trees of indigenous local varieties like Neem, Peepal, Kadam, Karanj, Kachnaar, Saptparni etc..
- (iv). Every effort should be made to protect the existing trees on the plot.
- (v). 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.
- (vi). Prior permission from the Municipal Corporation shall be obtained for the cutting of the existing trees before site.
- (vii). The green belt along the periphery of the plot shall be provided with local species. The open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous variety.
- (viii). The area earmarked as green area shall be used only for greenbelt and shall not be altered for any other purpose.

- (17) The Environment Clearance is recommended based on the submitted master plan approved by the UADD (Urban Development & Housing Deptt. Gol MP). However, the project proponent will get approval of the individual building plans from the concern deptt prior commencement of the construction of


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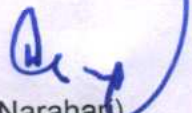

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Chairman

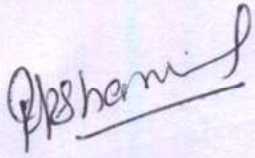
individual block while incorporating the suggestions made by the SEAC during the appraisal process and the project proponent shall also comply with the provisions of the EIA Notification, 2006, as amended from time to time, for this purpose.

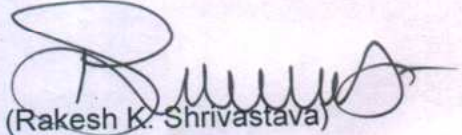
- (18) All the commitments / undertakings given to the SEIAA/SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.
- (19) A prior clearance from Water Supply, Water Resources and lake division, Bhopal Municipal Corporation Department MP, etc. shall be obtained before constructing any barrage / lake front/drain which are the part of the project. All the recommendations / conditions of such permissions specifically with respect to environmental protection, conservation and management shall be strictly adhered to.
- (20) Necessary permissions from Air Port Authority of India should be obtained if necessary.
- (21) For establishing the hospitals, nursing homes etc at the earmarked site, PP has to apply separately for Prior EC before the start of construction.
- (22) Common utilities like drinking water facility, toilets etc. shall be provided on each floor with adequate signage thereof. Adequate distance shall be maintained between the drinking water and toilet blocks.
- (23) Necessary emergency lighting system along with emergency power back up system shall be provided. In addition, emergency public address system arrangement and signage for emergency exit route shall be provided on each floor.
- (24) Risk estimation will be carried out for the project and disaster management plan shall be prepared.
- (25) Environment Management Cell as submitted shall be formed during operation phase which will supervise and monitor the environment related aspects of the project including incremental pollution loads on the ambient air quality, noise and water quality periodically to ensure that the same meet with the best as committed.
- (26) No further expansion or modifications in the project shall be carried out without prior approval of the MoEF/SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

2. **Case No. 5191/2016** Prior Environment Clearance for **Sand Mine Deposit** in an area of 14.154 ha. for production capacity of 56,250 cum/year at Village-Jalood, Tehsil-Maheshwar, District-Khargone (MP) by Shri Rajeev Saxena, DGM, Sub Office-Dhar, MP State Mining Corporation, Paryavas Bhawan, Block-A, 2nd Floor, Jail Road, Arera Hills, Bhopal (MP)- 462011.

The case was discussed in 454th SEIAA meeting dtd 07.11.2017 and it was recorded that :-


(P Narahari)
Member Secretary


(R.K. Sharma)
Member


(Rakesh K. Shrivastava)
Chairman

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" This case was recommended in 81st SEAC meeting dated 22-06-17 and after detailed discussion it was decided that the PP shall submit the following documents:

1. NOC from NVDA
2. An affidavit mentioning that there is no any litigation pending in Hon'ble High Court Jabalpur/NGT related with the lease area."

PP has not submitted the desired information till date, therefore it has been decided to delist the case which shall be liable for relisting once the information is received. Copy to PP and all concerned.

3. **Case No. 5266/2016** : Prior Environment Clearance for Metal Stone Quarry (Open cast Semi mechanized method) in an area of 32.280 ha. for production capacity of 433403 cum/year at Khasra no.-865 Part at Village-Gundhara, Tehsil - Gwalior, Dist. Gwalior (MP) by Shree Banshiwale Stone Crusher, Shri Rakesh Singh, Partner Murena Road, Gadaipur, Durgapuri, Dist-Gwalior (MP).

- (i). This is a project pertaining to mining of Metal Stone Quarry in area of 32.280 ha. The activity is mentioned at S.No. 1 (a) of the Schedule of EIA Notification 2006 as amended from time to time. The project is reported to be at a distance of more than 10 km from National park and sanctuary etc. thus it is not attracted by the general conditions and falls under category 'B-1' by virtue of its location and mining lease area. The case was forwarded by SEIAA to SEAC for appraisal of EIA for environment clearance for the project. It was submitted that this is a proposed mine having valid lease of 10 years upto 3.12.23 with production capacity of 433403 cum/year.
- (ii). It was reported by the PP that the Mining lease was initially granted for 10 years period to Shree Banshiwale Stone Crusher, Shri Rakesh Singh, Partner w.e.f. 4.12.13 to 3.12.23. The mining plan has been approved by DGM (vide letter No. Letter .No120 / माइनिंग प्लान सेल/नं.क्र. 1/2013 ग्वालियर, dated 30.01.2016.
- (iii). SEAC in its 310th SEAC meeting dtd.24.3.2018 has recommended the case with 37 special conditions for issuance of EC.
- (iv). The case was discussed in 478th SEIAA meeting dtd 11.4.2018 and PP/Consultant was invited for presentation. and the case was again discussed in 482nd Meeting of SEIAA dated..11.5.2018. PP has submitted the information vide letter dtd 14.05.2018 & 2.07.2018. Thereafter, the case was then finally discussed in 495th SEIAA meeting dtd 1.08.18. PP/Consultant made a presentation on all aspects of the project and all concerned issues were discussed in detail.
- (v). It was noted that as per **Conservator Forest**, Gwalior vide Endt letter. no. 1567 dtd.29.2.2016. the National Park/Sanctuary are not located within 10 Km., radius from the mining site. Hence, the General Conditions are not attracted.
- (vi). It was noted that the water requirement is 94 KLD (84 KLD for Dust Suppression+ 5 KLD for Green Belt + 5 KLD for Drinking), which shall be met from settling tank and hand pump.
- (vii). The proposed plantation program was examined and it was found that 8400 sapling of tree species covering an area of 4.20 ha shall be planted during the lease period.

(P Narahari)
Member Secretary

(R.K. Sharma)
Member

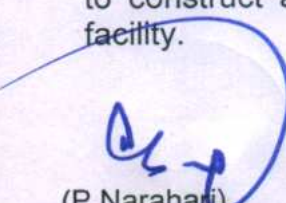
(Rakesh K. Shrivastava)
Chairman

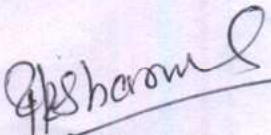
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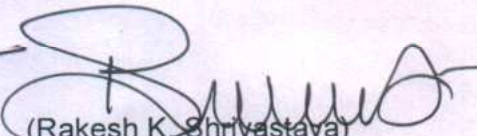
- (viii). It was also noted that the Public Hearing was carried out on 22.06.2017 at Village- Gundhara, Panchyat Bhawan ,Gwalior, under the Chairmanship of Upper Collector,Gwalior. The major comments of applicants during public hearing are employment of local people, construction & maintenance of existing / approach road connecting the mine & main road, Plantation on road side , regular health check-up of mine workers & water sprinkling to suppress the dust emission.

After detailed discussions and perusal of recommendations of 310th SEAC meeting dtd. 24.03.2018, it was decided to accept the recommendation of SEAC for grant of prior EC to the project subject to the following specific conditions:

- I. Before commencing any mining activity fencing shall be carried out all around the lease area. Proper watch and ward arrangements should be made with installation of signage at 4 corners of lease area to avoid any untoward incident involving public and animals by the PP.
- II. Plantation programme as mentioned in EIA/EMP and presented during presentation in SEIAA & SEAC shall be followed in content and spirit.
- III. PP shall demarcate a barrier zone of 7.5 m as no mining zone in the periphery of mining lease area and develop a green belt. Three row plantation shall be carried out in the greenbelt area in current year with proper watering arrangement.
- IV. The mining operation shall be restricted to above ground water table and in no case it should intersect the ground water table. In case of working below the ground water table approval of the Central Ground Water Board shall be obtained.
- V. PP will plant 8400 trees saplings of suitable indigenous tree species in 4.20 ha area. Besides this, PP will also plant 3 years old 720 saplings on both side of existing unpaved road.
- VI. The over burden and waste will be stacked for five years and then simultaneously backfilled in the mined out area where plantation will be raised on it.
- VII. No overburden will be dumped outside the mine lease area.
- VIII. Regular air & water quality monitoring shall be carried out by PP before discharging it into the nearby agriculture fields from authorized laboratory in consultation with Regional Officer, MPPCB.
- IX. PP shall ensure generation of employment opportunities to nearby Village on priority bases.
- X. Payments of wages to the workers shall be done in consonance with the provisions in the labour laws.
- XI. Proper infrastructure with shelter, drinking water, toilet and first-aid facilities shall be provided for the laborers. A provision should be made to construct a pakka rest shelter along with toilet and drinking water facility.


(P Narahari)
Member Secretary


(R.K. Sharma)
Member


(Rakesh K. Shrivastava)
Chairman

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- XII. PP should also carry out regular sprinkling of water in the mining lease area to arrest dust emission from mining activities affecting the nearby agriculture fields
- XIII. Mining shall be limited to the area as shown in surface plan and as per the approved mining scheme.
- XIV. PP shall ensure to construct and maintain Cement Concrete approach road from the mine site. Plantation will be carried out on both sides of the approach road. PP shall also ensure maintenance of existing pakka road in consultation with competent authority.
- XV. PP shall ensure proper water supply arrangements for plantation especially in summer season.
- XVI. PP shall ensure proper implementation of plantation, dust suppression, construction of CC approach road and maintenance of existing pakka road as part of Environmental Management Plan. Additional budget provision shall be made as part of EMP.
- XVII. PP must ensure implementation of the following activities. Separate budget provision should be kept under CSR.
- Computer education providing at least 2 computers in nearby school i.e. Gundhara and providing facilities of teacher for computer education and basic education.
 - Providing room for computer lab.
 - Five number of solar street light provide to nearby village i.e. Gundhara, Jiganiya, Gumara ka Chak, Kripalpur, Muhammadpur.
 - Medical checkup facility, first aid and other welfare activities for nearby villagers.
 - Motivation and financial assistance to the framers of nearby villages for drip irrigation, Gundhara, Jiganiya, Gumara ka Chak, Kripalpur, Muhammadpur.
 - Toilet facility provide with water tank and its maintenance at nearby villages Gundhara, Jiganiya, Gumara ka Chak, Kripalpur, Muhammadpur. (Two toilet each for man and woman).
 - Drinking water supply with water filter at Gundhara, Jiganiya, Gumara ka Chak, Kripalpur, Muhammadpur.
 - Development of playground at Village Gundhara
 - To provide land for folder plot and developed the folder plot.

The modification to the above activities can be made with the permission of the district administration and need based activity for the development of nearby villages shall be implemented by PP in consultation with the District Collector and Grampanchayat.

- XVIII. PP should ensure to submit half yearly compliance report and CSR activity report with photographs of plantation in MP-SEIAA.

(P Narahati)
Member Secretary

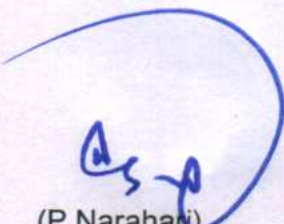
(R.K. Sharma)
Member

(Rakesh K. Shrivastava)
Chairman

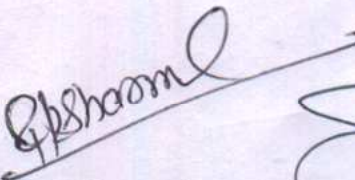
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Hence, Prior Environmental Clearance is granted for Metal Stone Quarry (Open cast Semi mechanized method) in an area of 32.280 ha. for production capacity of 433403 cum/year at Khasra no.-865 Part at Village-Gundhara, Tehsil - Gwalior, Dist. Gwalior (MP) for the lease period to Shree Banshiwale Stone Crusher, Shri Rakesh Singh, Partner, Murena Road, Gadaipur, Durgapuri, Dist-Gwalior (MP).

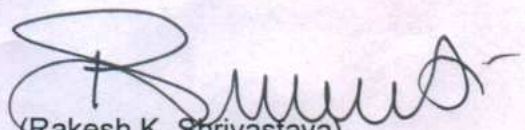
Meeting ended with a vote of thanks to the Chair.



(P Narahari)
Member Secretary



(R.K. Sharma)
Member



(Rakesh K. Shrivastava)
Chairman