STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC-III-2015/CR-126/TC-3 Environment department, Room No. 217, 2nd floor, Mantralaya Annexe, Mumbai- 400 032. Date:2-3nd August, 2016.

To, M/s. Maharaja Shivachtrapati Pratishthan 'Shivsrushti Project' At Survey. No. 13 (Part), Ambegaon Bk. Katraj – Dehuroad bypass way, Tal- Haveli, Dist. Pune 411046.

Subject: Environment clearance for proposed "Shivshrusthi" at S.No.13, Ambegaon (B), Katraj Bypass Taluka Haveli, Dist. Pune by M/s. Maharaja Shivachtrapati Pratishthan

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-III, Maharashtra in its 44th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 102nd meeting.

2. It is noted that the proposal is considered by SEAC-III under screening category 8(a) B2 as per EIA Notification 2006.

Brief Information of the project submitted by you is as-

1.	Name of the project:	" MAHARAJA SHIVCHATRAPATI PRATHISHTHAN " Proposed Construction – 'Shivsrushti Project' At Survey. No. 13 (Part), Ambegaon Bk.,			
		Katraj - Dehuroad bypass way, Tal- Haveli,			
		Dist. Pune 411046			
2.	Name, Contact number & Ado	dress of Proponent:			
	Name	Mr. Anil Vithalrao Pawar			
	Address	At Survey. No. 13 (Part), Ambegaon Bk.,			
		Katraj – Dehuroad bypass way, Tal- Haveli,			
		Dist. Pune 411046			
	Telephone	9860796443			
	Email ID	shivsrushtipune@gmail.com			
		anilpawar2995.ap79@gmail.com			

3.	Name, contact number & add	ress of Consultant:
·	Name	Mr. Kiran Shinde
	Address	4, 'A' Wing, Bldg. No 23, Subhash Nagar, Chembur, Mumbai
		-400 071
	Telephone	022-25211455
	Mobile	98202 39183
	Email ID	greenscientificdevelopment@gmail.com
4.	Accreditation of Consultant	PP
	(NABET Accreditation)	
5.	Type of the project: Housing	Shivsrushti Project
	project / Industrial project /	Public/ Semi-Public Building
	SRA scheme / MHADA /	
	Township or others	
6.	Location of Project	The project site is located at plot
	,	Survey. No.13 (part), at Katraj- Dehuroad bypass way,
		Tal- Haveli, Dist. Pune 411046 Latitude: 18°27'21" N
		Longitude: 73°50'12"E
7.	Whether in Corporation /	The proposed project falls under Regional Plan Limit of Pune
	Municipal / Other area:	Metropolitan Region
8.	Applicability of the DCR	DCPR Dated 21/11/2013
9.	Note on the initiated work	Killedar Wada is constructed – 2004 (2830.30 Sq. Mtrs.)
10.	LOI/NOC from MHADA/	Building constriction granted by District Collector (2004)
	Other approvals (if	Revised Sanctioned by PMRDA on 27/Jan/2016
	applicable)	01000 00 0
11.	Total plot area Deductions	81200.00 Sq. m
	Net plot area	17242.79 Sq. m 63957.21 Sq. m
12.	Permissible FSI (including	63957.21 Sq. m
14.	TDR, etc.)	00,0,101 0q1 m
13.	Proposed Built up area	FSI : 30835.74 Sq. m
	(FSI & Non- FSI)	Non FSI area : 3127.00 Sq. m
	0 10	Total BUA : 33962.74 Sq. m
14.	Ground Coverage	: Total 18829.17 Sq. m
	Percentage (%) (Note: Percentage of plot	: 30 %
	not open to sky)	
15.	Estimated cost of the	Rs.124.80 Cr
	project:	
16.		1.Residential : 0

	configuration	2.Commercia	Building	: 0				
		3.Others : 9						
			la. Entrance Cou	ırt, Shivaji Raje	Smarak, Raja			
		Sabha, Auditorium, Bajjar Peth, Shilpa gram, Devrai, Staff						
		Quarter-Non Residential, Multi-Level Car Park)						
		•						
177	No. of the section of Street		La	:9	:			
17.	No. of tenant and Shops	Not Applicable	 		To all			
18.	No. of Expected		ential User (Staf	• ,	: 366#			
	residents/users	•		k Resting rooms	* •			
		- Comm	nercial User (Vis	sitors & Official	s) : 7653			
		Onde Wassel			0010			
		Sub Total		<u> </u>	<u>8019</u>			
4.0		~ .						
19.	Tenant density per hectare	N. A.						
20.	Height of building	Height of all b	ouildings (In Mt	rs) —				
		Kiledar Wada	: 14.7	0				
		Entrance Cou						
		Shivajiraje Sn						
		Rajsabha	: 14.46	5				
		Auditorium	: 14.30	0				
		Bazar Peth	: 04.50					
			Devrai : 04.50					
		Staff Quarters Multilevel Ca						
		Multilevel Ca	rpark : 14.9.	5 (Max)				
21.	Right of way (width of the	·						
	road from the nearest fire	60 m Adjacen	t to NH4					
	station to the proposed	12 m Service	Road					
	building							
22.	Turning radius for easy							
	access for fire tender	9.00 m Turnir	ng radius all aroi	und the project				
	movement from all around		width in all pren					
	the building excluding the							
	width for the plantation	% Y = 179 * . »*		L				
23.	Existing Structures		=	h need demolition				
		- Killedar Wada is constructed in 2004 is part of proposed project. (Built up: 2830.30 Sq. Mtrs.)						
24.	Details of the demolition	N. A.	unt up. 2050.50 t	24. MII 2.)				
۲۰.	with disposal	1 4 · £X ·						
25.		Dagidantial -	nd Commercial	•				
23.	Total water requirement				MCV /			
	Source	1	• •	nicipal Supply (ker /Recycled fr	*			
	Water Consumption	From	Fresh Water	Recycled In	OH SIF			
	(In M ³ /Day)	Source	from	Water from	Total			
	,		Source	STP				

	Dry season					
	Domestic use Water (Potable)	JL/M	S	71	00	71
	Flushing/Reclaimed Water			00	93	93
	Landscaping	BW/RV	VH/	76	60	136
	Water Bodies(Make UP)	JL/Tan	ker	18	00	18
•	Reject Water		-	27	00	27
	Swimming Pool			00	00	00
	Total	JL/RW	VH	192	153	345
	Excess treated water					00
	Water Bodies (First Fill)			00	00	00
	Firefighting (Storage Capacity)	JL		200		200
	Wet Season		!	0.00111000	1	
	Domestic use Water (Potable)	JL/M	IS	71	00	71
	Flushing/Reclaimed Water			00	93	93
	Landscaping	BW/RV		00	00	00
	Water Bodies(Make UP)	JL/Tan	ıker	00	00	00
ļ	Reject Water			27	00	27
	Swimming Pool			00	00	00
	Total	JL/RV	VH	98	93	191
	Excess treated water					60
	Water Bodies (First Fill)			824	00	824
	Firefighting (Storage Capacity)	ЛL		200	00	200
26.	Details of Swimming pool	NA		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.4	
27.	Rain water Harvesting	L				
!	Residential & Commercial:	T -				
	and Quantity	 Construction of pits of 2 Mt. x 2 Mt. x 2 Mt. Construction of surface storages (Reservoir at appropria places by arresting surface run-off.) Roof Top Rainwater Harvesting system is been propose be established for recovery of water for using as an i water for water bodies. Excess water will be used enrichment of water table through percolation pits. 				is been proposed to using as an input will be used for
	No of recharge pits	10				
ļ	Location of the RWH tank	Propose	ed in Pl	lan		
	(S) Rudgetary allocation	Capital	l cost : Rs. 200.00 Lacs			
Budgetary allocation (Capital cost and O & M Maintenance cost : Rs. 200.00 Maintenance cost : Rs. 05.00 cost)						
28.	UGT Tanks					
ļ	Residential & Commercial:					
	Domestic UG tank Capacity (I	_it)	1,08,0	00		
	Flushing UG tank Capacity (L	it)	1,40,000			
			2,00,000			

29.	Storm water drainage			
	Natural water drainage pattern	As per contour		
	Quantity of storm water	579 Lit/Sec		
	Size of SWD	600 mm Diameter		
30.	Sewage and Wastewater			
	Sewage Generation	200 CMD		
	STP Technology	Phytorid Technology		
	Capacity of STP	175 CMD		
	Budgetary allocation	Capital Cost: 70.00 Lakhs (One Time)		
	(capital accost and O&M cost)	O& M Cost : 15.00 Lakhs/year		
31.	Solid Waste Management			
	Construction phase & Preconstruction phase	se		
	Waste generated during	Construction Phase : @ 50.00 Kg/Day		
	preconstruction and construction	Disposal : Send to Municipal Garbage		
	phase			
	Quantity of the top soil to be	Total Top soil be preserved and will be reutilized for		
	preserved	landscape development.		
	Disposal of the construction way	N. A.		
	debris			
	Operation Phase			
	Total solid waste	1.6 MT/Day (Bio Deg: 0.96 + Non Bio Deg: 0.64)		
	E-Waste (Kg/month)	8.0 Kg/Month		
	Hazardous waste (Kg/month)	N. A.		
	Biomedical waste (kg/month)	N. A.		
	(If applicable)			
	STP Sludge (Dry sludge) (Kg/day)	10 Kg/Day		
	Mode of Disposal of waste:			
	Dry waste	Non-biodegradable and Inert waste would be handed & disposed by sale to Swaccha Pune Seva Sahakari Sanstha Maryadit, Pune (NGO) (Agreement Done)		

Wet waste		Biodegradable waste Will be treated on site using Organic waste converter . The residue after treatment will be used as manure
E-Waste		Sale to E waste recycler
Hazardous waste	17-117-11111111111111111111111111111111	N. A.
Biomedical waste (kg/month) applicable)	(If	N. A.
STP Sludge (Dry sludge)		Dry sludge can be used as manure for plantation & gardening purposes inside the premise.
Budgetary allocation	(capital	Capital Cost: 30.00 Lakhs

<u> </u>	and O&M cost)		O& M Cost : 05.00 Lakh	s/year	
Green	Belt Development				
Total I	R.G. area		N. A.		
RG are	a other than green belt (Please spe	cify for	N. A.		
playgro	ound etc.)				
RG are	ea under green belt		N. A.		
RG are	ea on ground (Sq.m)		N. A.		
RG are	ea on podium (Sq.m)		N. A.		
List of	proposed plantation for the scho	eme:		1	
Sr.	Common Name	Scie	ntific name	Quantity(no.	
1	Shirish	Albi	zia lebbeck	8	
2 Kadamb Antho		ocephallus cadamba	10		
3	3 Neem Azardi		diracta indica	10	
4 Orchid Tree Bauhir		ninia	7		
5	6 Golden Shower Cassia 7 Cassia Cassia		ota urens	9	
6			ia fistula	10	
7			ia glauca	12	
8			ergia latifolia	8	
		nia indica	6		
		Ficus	s retusa	8	
11	11 Umber Ficus		s sycamore	11	
12 Tamhan Lager			erstroemia flos - regineae	18	
13 Crape myrtle Lager		erstromia Lanceolata	15		
14	Mango	Man	gifera indica	12	
	I			Con	
Sr.	Common Name	Scien	ntific name	Quantity(n	
15	Chiku	Man	ilkara zapota	9	

	16	Son chafa	Mich	elia champaca	22		
	17	Indian Cherry	Mun	tigia calabura	10		
	18	Kunti	Murr	aya paniculata	6		
	19	Kadamb tree	Neol	amarkia cadamba	8		
	20	Peru	Psidi	um guajava	9		
	21	Sita Ashok	Sarao	ca asoka	11		
	22	Fountain tree	Spati	nodea campanulata	13		
	23	Jambhul	Syzy	gium cumini	14		
	24	Arjuna	Term	inalia arjuna	23		
	25	Badaam	Term	inalia catapa	9		
	26	Kindal	Term	inalia paniculata	7		
		Total	1		285 Nos		
	Numbe	er and list of tree species to be pla	inted	285 Nos			
	· · · · · · · · · · · · · · · · · · ·	ground RG					
	ł	er and list of shrub and bushes spe	ecies	NA			
		lanted in the podium RG:					
		er and list of trees species to be pla					
		I the border of nalla/ stream / pon	d (if	if			
	any):	6 ·		51537			
		er of existing Trees	. 1	515 Nos	. 11 - 13 - 1111		
	l	er, Size, Age and Species of trees tees to be transplanted:	to be	NA			
	NOC :	for the tree cutting / transplantati	ion /	/ Existing Trees to be retained — 234 Nos.			
	compe	nsatory plantation, if any:		Existing Trees to be Transplanted -281 Nos.			
				Additional Trees to be newly planted – 285 Nos.			
	~	tary allocation (Capital cost and	M cost)				
	Capital cost		3.73 Cr				
	O & M	Cost		4.45 Lc /Yr			
33.	Energ						
		supply					
	Maxim	um demand	1655	5 KVA	_ .		
	Connec	cted load	1862	2 KW	A		

Source		MSEDCL	
DG power consump buildings	tion for residential	N. A.	
Total DG power con clubhouse and com	-	400 KVA x 6 nos.	
Energy saving mea	asures :		
		, LED lights will be used	
		l be provided to water pumps	
	-	for street lights, garden lights, parking & staircase lights	
	area lights for saving		
_		on amenities like street lighting & garden lighting.	
Detail Calculation of	& % of saving:	Sheet Enclosed as annexure IV	
Compliance of the E	CBC guideline:	Yes	
7.2	Lighting controls oc	ccupancy sensors - Complied	
7.2.1.4	Exterior lighting to	be controlled by photo sensor or time switch - Complied	
7.3	Interior lighting to b	be within specified limits – Complied be within specified limits – Complied	
7.4	Exterior lighting to		
8.2.1.1	Maximum allowable Complied	e power loss from transformer to be within specified limits –	
8.2.3	Power factor be mai	intained between 0.95 and unity – Complied complied system losses to be maintained less than 1 % - Complied	
8.2.4	Check metering – co		
8.2.5	Power distribution s		
Budgetary allocati	ion (Capital cost and	O & M cost)	
Capital cost		Total Electrical Services Cost: 635.0 L	
		For Energy Saving measures : 40.0 L	
O & M cost		Total Electrical Services Cost: 11.0 L/Yr	
		For Energy Saving Measures: 00.7 L/Yr	
Number and capaci be used:	ty of the DG sets to	400 KVA x 6 nos.	
Stack height		3 Mtrs above roof level	
Electricity require	ement from	1655 KVA	
	ough the plot if any:	NA	
	anagement plan Bud ion & operation phas	· ·	

Environmental Aspect	Construct	ion Phase	Operational Phase		
	Capital Cost	Running Cost for 5 years	Capital Cost	Running Cost per years	
	In Lakh	Lakh/Yr	In Lakh	Lakh/Yr	
Water Aspect					
Installation of STP	10	05	70	15	
Installation of RWH system	NA	NA	200	5	
Monitoring	NA	01	02	NA	
Air Aspect					
Fugitive Emission	NA	01	NA	01	
Screens along perimeter of site	10	Negligible	NA	NA	
Stockpiling of excavated soil	1.5	Negligible	NA	NA	
Covering dusty load on vehicles by impervious sheet	0.5	Negligible	NA	NA	
Periodic maintenance of construction equipment	NA	0.5	NA	NA	
Monitoring	NA	01	03	0.5	
Noise Aspect					
Barricading of the site with 3m high GI sheet	Provision Considered in Air Aspect	Provision Considered in Air Aspect	N. A.	N. A.	
PPE to workers	Negligible	Negligible	Negligible	Negligibl	
Blanketing of noise generating machinery with insulating structures	1.0	Negligible	N. A.	N. A.	
Maintenance of construction equipment periodically	N. A.	0.5	N. A.	N. A.	
Monitoring noise level onsite through App. Laboratory	N. A.	1.2	0.05	N. A.	
Land					
Preserve the Excavated Topsoil	04	Negligible			
Landscaping of the site		••	373	4.45	
Solid waste Management					
Segregation of Waste	0.20	Negligible	1	0.60	

owc	3.00	1.00	30	5.00		
E Waste Management	Negligible	40 MI	Negligible			
Energy conservation						
CFL/ Lighting, Etc.			40	0.70		
Total Budget (Proposed)	30.20	11.2	719.05	32.25		

Quantum and generation of Corpus fund and commitment

Responsibility for further

O &M:

Trust Management \ Committee through appointment of consultant & In-house team for Environmental Management Facilities.

35. | Traffic management:

Nos. of the junction to the main road & design of confluence:

Built up area

: 30835.74 - 7598.04 (Parking) = 23237.70 Sq.m.

Parking details

: Multilevel Car Parking + Surface Parking

Parking Required as per DCR

: (Table No. 7, Sr. No. 6 = For 100 Sq.m. built up and

part thereof required parking is 1 Car + 3

Scooter/MC + 3 Cycles + Additional 50% parking

for metropolitan area

Parking Details (As per DC rules)

* ******	g Demins (118 per De raies)			
		Parking Applicability	Provided	Area
		As per DCR (parking	Provided
Sr.	Type	Nos)		
No.	••		(Nos)	(M ²)
1	2 Wheeler	1049	1050	4410
	(Scooters/Motor cycles)	1049	1030	4410
2	4 Wheeler	349	350	4375
3	Cycle	1049	1050	1470

Parking Details (Potential of the project)

_		9 (~ e re e e err l		•	
٩	Sr. No.	Туре	Parking Applicability	Provided parking	Area Provided
			(Nos)	(Nos)	(M ²)
1		2 Wheeler (Scooters/Motor cycles)	1050	1050	4410
	2	4 Wheeler	349	350	4375
	3	Buses	18	18	630

Parking Efficiency as per DC rules

Total area provided for parking : 9147 m²
No. of car parking provided : 350

Type of parking : Multilevel car parking : 215

Area per car including driveway provided for car parking : 25 Sq MT

Type of parking: Open parking :135

Area per car including driveway provided for car parking
Area per car including driveway provided for car parking
27 Sq MT
36 Sq MT
Width of all internal roads (m)
38 Sq Example 12 Sq MT
39 Sq MT
30 Sq Example 13 Sq MT
30 Sq MT

Bus Parking Space

No. of cars which can be parked in case bus parking is not fully occupied.

	Sr.	No. of Buses		No. of Cars				
	1	18		0				
	2	13		10				
	3	05		50				
	4	00		60				
36.	CRZ / RRZ clearance obtain, if any			N. A.				
37.	pollute	ce from protected areas/c d areas/ Eco s nterstate boundaries	critically sensitive	N. A.				
38.	Checklist for the other necessary approvals							
	<u>, </u>	*****	Sta	tus of the	Name of the	Date of the issued		

		Status of the	Name of the	Date of the issued
		approval	competent	letter
			authority	
39.	CFO NOC for the above said	Provisional	Chief Fire	
	building structure(s)	Fire NOC -	officer	27/2/2015
		FB/3758	Pune Municipal	
		Dt-27/2/2015	Corporation	
40.	HRC NOC for the above said	N. A.	N. A.	N. A.
	building structure (s)			
	(If applicable)			
41.	NOC for the above said building	N. A.	N. A.	N. A.
	structure(s) from the Aviation			
	authority			
	(If applicable)			
42.	Consent for the water for the	Applied	MPCB	Applied
	above said detail (s)			4 4
43.	Consent for the drainage for the	Applied	MPCB	Applied
L	above said detail (s)			
44.	Consent for the electric supply	Proposed	Electricity	Proposed
	for the proposed demand		Board	
45.	Pre-certification for Green	N. A.	N. A.	N. A.
	building from Indian Green			
	Building Council and other			
	recognized institutes			
	(If applicable)		7.	** * A
46.	Court Order (If applicable)	N. A.	N. A.	N. A.
47.	Other Approval (If Any)	N. A.	N. A.	N. A.
1			1	

3. The proposal has been considered by SEIAA in its 102nd meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

General Conditions for Pre-construction phase:-

(i) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.

Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.

- (ii) PP to make provision for three dedicated ambulances parking in the different areas of the project to handle emergencies.
- (iii) PP to mark the VIP movement route on the layout and submit the copy and to provide a separate dedicated entry.
- (iv) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
- (v) The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.
- (vi) This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
- (vii) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (viii) The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
- (ix) "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
- (x) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

General Conditions for Construction Phase-

- (i) 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, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.
- (ii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- (iii) The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.

- (iv) Disposal of muck during construction phase should not create any adverse effect on the neighboring 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.
- (v) Arrangement shall be made that waste water and storm water do not get mixed.
- (vi) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- (vii) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- (viii) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Dept.
- (ix) 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.
- (x) Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
- (xi) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
- (xii) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
- (xiii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
- (xiv) 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.
- (xv) 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/MPCB.
- (xvi) 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. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).

- (xvii) Ready mixed concrete must be used in building construction.
- (xviii) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment's etc. as per National Building Code including measures from lighting.
- (xix) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xx) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxi) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
- (xxii) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
- (xxiii) Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
- (xxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
- (xxv) 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.
- (xxvi) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
- (xxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- (xxviii)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. Use 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 like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.

- (xxix) Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform 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. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
- (xxx) Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- (xxxi) 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.
- (xxxii) 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 aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- (xxxiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- (xxxiv)Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
- (xxxv) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
- (xxxvi)Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

General Conditions for Post- construction/operation phase-

- (i) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.
- (ii) Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
- (iii) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.

- (iv) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
- (v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
- (vi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (vii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
- (viii) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in.
- (ix) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- (x) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xi) 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, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
- (xiii) 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 respective Regional Offices of MoEF by e-mail.

- 4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
- In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.
- 6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
- 7. Validity of Environment Clearance: The environmental clearance accorded shall be valid for a period of 7 years as per MoEF&CC Notification dated 29th April, 2015.
- 8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
- 9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

(S. M. Gavai)
Member Secretary, SEIAA

Copy to:

- 1. Shri. Jagdish Joshi, Chairman, IAS (Retd.). SEAC-III, Flat no. 3, Tahiti chs. Juhu Vers Ova Link Road, Andheri (W), Mumbai- 400 053.
- 2. Additional Secretary, MOEF, 'MoEF& CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
- 3. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
- **4.** IA- Division, Monitoring Cell, MoEF& CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.

- 5. Managing Director, MSEDCL, MG Road, Fort, Mumbai
- 6. Collector, Pune.
- 7. Commissioner, Pune Metropolitan Region Development Authority (PMRDA).
- **8.** Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.

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- 9. Regional Office, MPCB, Pune.
- 10. Select file (TC-3)

(EC uploaded on