ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environmental Single-Window Hub)

Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority(SEIAA), Maharashtra)

To,

The Sr Vice President and Head Operations
DR BALABHAI NANAVATI HOPSITAL
Dr Balabhai Nanavati Hospital, S.V. Road, Vile Parle West, Mumbai - 400056 -400056

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/MH/MIS/262585/2022 dated 19 Mar 2022. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC23B038MH191967**
2.	**File No.**	SIA/MH/MIS/262585/2022
3.	**Project Type**	Expansion
4.	**Category**	B2
5.	**Project/Activity including Schedule No.**	8(a) Building and Construction projects
6.	**Name of Project**	Application for further release of Environmental Clearance for proposed expansion of existing Dr. Balabhai Nanavati Hospital building located at CTS nos. 1403, 1403/1 to 21 and 1403/35, Taluka Andheri, Village Vile Parle (West), Mumbai, Maharashtra b
7.	**Name of Company/Organization**	DR BALABHAI NANAVATI HOPSITAL
8.	**Location of Project**	Maharashtra
9.	**TOR Date**	N/A

The project details along with terms and conditions are appended herewith from page no 2 onwards.

(e-signed)
Pravin C. Darade , I.A.S.
Member Secretary
SEIAA - (Maharashtra)

Date: 26/05/2023

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH.Please quote identification number in all future correspondence.

This is a computer generated cover page.

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/MIS/262585/2022
Environment & Climate
Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
Dr. Balabhai Nanavati Hospital,
CTS nos. 1403, 1403/1 to 21 and 1403/35,
Taluka Andheri, Village Vile Parle (West),
Mumbai.

Subject : Environmental Clearance for proposed expansion of existing Dr. Balabhai Nanavati Hospital building located at CTS nos. 1403, 1403/1 to 21 and 1403/35, Taluka Andheri, Village Vile Parle (West), Mumbai, by Dr. Balabhai Nanavati Hospital.

Reference : Application no. SIA/MH/MIS/262585/2022

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-2 in its 188th meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 259th (Day-1) meeting of State Level Environment Impact Assessment Authority (SEIAA).

2. Brief Information of the project submitted by you is as below:-

Sr. No.	Description	Details	
1	Proposal Number	SIA/MH/MIS/262585/2022	
2	Name of Project	Further release for Expansion of Dr. Balabhai Nanavati Hospital	
3	Project category	Category 8 (a) 'B'	
4	Type of Institution	Private	
5	Project Proponent	Name	Mr. Deepak P Patkar
		Regd. Office address	Dr. Balabhai Nanavati Hospital S. V. Road, Vile Parle (West), Mumbai - 400056
		Contact number	022-26267500,
		e-mail	deepak.patkar@nanavatihospital.org
6	Consultant	Aditya Environmental Services Pvt. Ltd. Accreditation no: NABET/EIA/2225/RA 0262 Date of validity: 01.05.2022	
7	Applied for	Further release of EC	
8	Location of the project	At CTS nos.1403, 1403/1 to 21 and 1403/35, Taluka, Andheri, Village Vile Parle (West), Mumbai,	

		Maharashtra.
9	Latitude and Longitude	Latitude: 19°05'43.81" N Longitude: 72°50'23.19" E
10	Plot Area (sq.m.)	15,960.30
11	Deductions (sq.m.)	493.19
12	Net Plot area (sq.m.)	15,467.11
13	Ground coverage (m2) & %	6636.10 (41.5%)
14	FSI Area (sq.m.)	Total FSI area (Existing building + Proposed building): 55,882.93 sq.m • Existing building FSI area: 11,9573.3 sq.m • Proposed building FSI area: 43,925.63 sq.m
15	Non-FSI (sq.m.)	Total Non FSI area (Existing building + Proposed building): 24,725.59 sq.m • Existing building Non FSI area: Nil • Proposed building Non FSI area: 24,725.59 sq.m
16	Proposed built-up area (FSI + Non FSI) (sq.m.)	Total gross construction BUA (Existing building + Proposed building): 80,609 sq.m • Existing building gross construction BUA: 11,957.3 sq.m • Proposed building gross construction BUA: 68,651.22 sq.m
17	TBUA (m^2) approved by Planning Authority till date	A} Approval no: CE/6538/BS-II/AK dtd. 20th April 2016, Approved Built-up Area: • FSI area: 25,961.65 sq.m, • Non FSI area: 13,385.94 sq.m • Gross construction built up area: 39,347.59 sq.m B] Approval no. CE/6538/BSII/AK/337/2/AMEND dated 30.12.2021 Approved Built-up Area: • FSI area: 34,981.47 sq.m • Non FSI area: 4,201.69 sq.m, • Gross construction built up area: 39,183.16 sq.m
18	Earlier EC details with Total Construction area, if any.	1.EC letter no. SEIAA-EC-0000001543, Dated. 28th May, 2019 FSI area: 43,925.63 sq. m. Non FSI area: 24725.59 sq. m. Total Construction area (FSI + Non FSI): 80,609 sq.m
19	Construction completed as per earlier EC (FSI + Non FSI) (sq.m.)	No construction has been started at site.

20	**Previous EC / Existing Building**			**Proposed Configuration**			**Reason for Modification / Change**
	Building	**Configuration**	**Height**	**Building**	**Configuration**	**Height**	

	Name		(m)	Name		(m)	
	Auditorium building	3 Basements	-	No Change			Nil
	Main hospital building	Ground + 4 floors		No Change			Nil
	Proposed building	3 Basements + Gr + 11 floors	44.85 up to terrace	No Change			Nil
	Temp Structures are kept in abeyance	Ground		No Change			Nil
21	No. of Tenements & Shops			Existing Beds: 343 nos. Beds after demolition of Annex 1 and Annex 2: 160 nos. Beds after Phase I: 504 nos. Beds after Phase II: 776 nos.			
22	Total Population			Patients in Beds: 800 (rounded off) Floating population: 2000 Staff: 2800 Total: 5600			
23	Total Water Requirements CMD			797 cmd			
24	Under Ground Tank (UGT) location			Under Ground			
25	Source of water			Supply from MCGM + Recycled water from STP + Tanker			
26	STP Capacity & Technology			STP Capacity: 650 CMD Technology: MBR Technology ETP capacity: 100 CMD			
27	STP Location			Basement 2 & Basement 3			
28	Sewage Generation CMD & % of sewage discharge in sewer line			Sewage generation: 605 cmd % of sewage discharge in sewer line: 57%			
29	Solid Waste Management during Construction Phase			**Type**	**Quantity (Kg/d)**		**Treatment / disposal**
				Construction waste	1-3 cu.m/day		Surplus material will be disposed off as per C&D Waste Management Rules,2016.
				Demolition debris	3254.5 cu.m		Debris generated during construction phase will be collected at one place and will be disposed off to MCGM

				approved land filling sites.
30	Total Solid Waste Quantities with type during Operation Phase & Capacity of OWC to be installed	**Type**	**Quantity (Kg/d)**	**Treatment / disposal**
		Dry waste	454.55	will be segregated, and recyclable waste will be disposed off to authorized vendors.
		Wet waste	1704.55	Proposed organic waste converter onsite.
		E-Waste	Nil	Nil
		Hazardous waste	Phase-I: 27.31 kg/month, Phase-II: 35.53 kg/month	Disposed off to Mumbai Waste Management Ltd.
		Biomedical waste	Red bags: 9,216.18 (Phase-I), 11,988.52 (Phase-II), Yellow bags: 6,801.74 (Phase-I), 8,847.80 (Phase-II), Blue card boards: 2,063.97 (Phase-I), 2,684.83 (Phase-II), Puncture-proof containers: 294.26 (Phase-I), 382.77 (Phase-II)	Disposed off to CBWFT through M/s. SMS Envoclean BMW Management (P) Ltd.
		STP Sludge (dry)	2.4	To be mixed with wet waste and converted to compost.
		Capacity of OWC to be installed:	OWC to treat biodegradable waste will be installed.	
31	R.G. Area in sq.m.	RG required – 2320.07 sq.m		

<table>
<tr><td></td><td></td><td>RG provided on Mother earth- 2364.26 sq.m
Additional RG provided – 1556.52 sq.m
Total: 3920.78 sq.m
Existing trees on plot: 104 nos.
Retained trees: 44 nos.
Number of trees to be planted:
a) In RG area: 78 nos.
b) In Miyawaki Plantation (with area): Nil
Number of trees to be cut: 26 nos.
Number of trees to be transplanted: 34 nos.</td></tr>
<tr><td>32</td><td>Power requirement</td><td>During Operation Phase:
Details — Requirement
Connected load (MW) — 4788
Demand load (MW) — 3830</td></tr>
<tr><td>33</td><td>Energy Efficiency</td><td>a) Total Energy saving (%): 25.66%
c) Solar energy (%): More than 1% of demand load</td></tr>
<tr><td>34</td><td>D.G. set capacity</td><td><table><tr><th>DG Sets</th><th>Capacity (KVA)</th><th>DG Sets (Nos)</th><th>Total (KVA)</th></tr><tr><td>Transformers</td><td>2500</td><td>2</td><td>5000</td></tr><tr><td>DG sets</td><td>1875</td><td>3</td><td>5625</td></tr></table></td></tr>
<tr><td>35</td><td>No. of 4-W & 2-W Parking with 25% EV</td><td><table><tr><th>Parking details</th><th>Required (nos.)</th><th>Proposed (nos.)</th></tr><tr><td>4-Wheeler</td><td>161+1 Ambulance</td><td>161+ 1 Ambulance</td></tr><tr><td>2-Wheeler</td><td>-</td><td>-</td></tr></table></td></tr>
<tr><td>36</td><td>No. & capacity of Rain water harvesting tanks /Pits</td><td><table><tr><th>Particular</th><th>Pits proposed (nos.)</th><th>Size</th></tr><tr><td>RWH pits</td><td>3</td><td>3 m Dia x 5 m Depth</td></tr></table></td></tr>
<tr><td>37</td><td>Project Cost in (Cr.)</td><td>Rs. 384 Crs.</td></tr>
<tr><td>38</td><td>EMP Cost</td><td>During Construction phase:<table><tr><th>Environment Protection Measure</th><th>Capital Cost (Rs. In lakh)</th></tr><tr><td>Debris/Top soil management</td><td>4.00</td></tr><tr><td>Toilets for labour + drinking water + first aid arrangement</td><td>2.00</td></tr></table></td></tr>
</table>

		Health and safety: 15.00 Monitoring of Environmental parameters: 1.00 Environmental Monitoring cell: 3.00 **TOTAL: 25.00**

During Operation Phase:

Environment Protection Measure	Capital Cost (Rs. In lakh)	Recurring Cost per annum (Rs. In lakh)
Waste Water Treatment Plant	100.00	12.00
Solid Waste Management	30.0	2.40
Rain Water Harvesting	3.0	0.2
Green Belt	7.00	4.00
Energy saving features (low flow devices)	10.00	0.25
Firefighting Measures	961.0	6.20
Monitoring of Environmental parameters	-	2.00
Environmental Monitoring cell	-	5.50
TOTAL	**1111.00**	**32.55**

39	CER Details with justification if any....as per MoEF&CC circular dated 01/05/2018	As per EMP
40	Details of Court Cases/litigations w.r.t the project and project location, if any.	Nil

3. The proposal has been considered by SEIAA in its 259th (Day-1) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

A. SEAC Conditions-

1. PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2. PP to submit architect certificate mentioning there is no change in plot area, layout, building profile, environmental parameters and locations of environmental services which were appraised while sanctioning earlier EC dated: 28.05.2019.
3. PP to submit affidavit mentioning there is no change in plot area, layout, building profile, environmental parameters and locations of environmental services which were appraised while sanctioning earlier EC dated: 28.05.2019.
4. PP to submit architect certificate with details of FSI & Non-FSI area calculations.
5. PP to submit certified six-monthly compliance report of earlier EC from Regional Office, MOEF&CC, Nagpur.

B. SEIAA Conditions-

1. PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement.
2. PP to achieve at least 5% of total energy requirement from solar/other renewable sources.
3. PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-IA.III dt.04.01.2019.
4. SEIAA after deliberation decided to grant EC for – FSI –55,882.93 m2, Non FSI-17587.63 m2, Total BUA- 73176.56 m2. (Plan approval No.CE/6538/BSII/AK/337/2 /AMEND dated 30.12.2021) (FSI restricted as per appraisal and non FSI as per approval)

General Conditions:

a) Construction Phase :-

I. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.

II. Disposal of muck, Construction spoils, including bituminous material during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in the approved sites with the approval of competent authority.

III. Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.

IV. 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.

V. Arrangement shall be made that waste water and storm water do not get mixed.

VI. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.

VII. The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.

VIII. Permission to draw ground water for construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.

IX. 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.

X. The Energy Conservation Building code shall be strictly adhered to.

XI. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.

XII. Additional soil for levelling 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.

XIII. 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.

XIV. PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.

XV. 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.

XVI. Vehicles hired for transportation of Raw material shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highways Department. The vehicle shall be adequately covered to avoid spillage/leakages.

XVII. 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.

XVIII. Diesel power generating sets proposed as source of backup power for elevators and common area illumination during construction 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 is preferred. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.

XIX. 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 by a separate environment cell /designated person.

B) Operation phase:-

I. a) The solid waste generated should be properly collected and segregated. b) Wet waste 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. c) Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.

II. E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.

III. a) 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. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. b) PP to give100 % treatment to sewage /Liquid waste and explore the possibility to recycle at least 50 % of water, Local authority should ensure this.

IV. 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.

V. The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.

VI. 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.

VII. PP to provide adequate electric charging points for electric vehicles (EVs).

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. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

X. 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.

XI. 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 parivesh.nic.in

XII. 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.

XIII. 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.

C) General EC Conditions:-

I. PP has to strictly abide by the conditions stipulated by SEAC& SEIAA.

II. If applicable 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.

III. 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.

IV. 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.

V. 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.

VI. No further Expansion or modifications, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted to SEIAA for clearance, a fresh reference shall be made to the SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

VII. 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.

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.

5. This Environment Clearance is issued purely from an environment point of view without prejudice to any court cases and all other applicable permissions/ NOCs shall be obtained before starting proposed work at site.

6. In case of submission of false document and non-compliance of stipulated conditions,

Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended from time to time.

8. 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.

9. Any appeal against this Environment 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.

Pravin Darade
(Member Secretary, SEIAA)

Copy to:

1. Chairman, SEIAA, Mumbai.
2. Secretary, MoEF & CC, IA- Division MOEF & CC
3. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
4. Regional Office MoEF & CC, Nagpur
5. District Collector, Mumbai Suburban.
6. Commissioner, Municipal Corporation of Greater Mumbai.
7. Regional Officer, Maharashtra Pollution Control Board, Mumbai.

Signature Not Verified
Digitally signed by Shri Pravin C. Darade , I.A.S.
Member Secretary
Date: 5/26/2023 4:41:42 PM