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 Authorized Signatory
R A J KRISHNA CONSTRUCTION COMPANY PRIVATE LIMITED
S-28, Greater Kailash-II, New Delhi -110048

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/276314/2022 dated 03 Jun 2022. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC23B038MH122067**
2.	**File No.**	SIA/MH/MIS/276314/2022
3.	**Project Type**	New
4.	**Category**	B2
5.	**Project/Activity including Schedule No.**	8(a) Building and Construction projects
6.	**Name of Project**	Construction of Residential 1724 EWS Housing Scheme for Public Private Partnership of Affordable Housing (AHP PPP) Model of PMAY Scheme
7.	**Name of Company/Organization**	R A J KRISHNA CONSTRUCTION COMPANY PRIVATE LIMITED
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.

Date: 26/05/2023

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

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.

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/MIS/276314/2022
Environment & Climate
Change Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s.R A J Krishna Construction
Company Private Limited,
Khasra No. 44/A, 44/B/1,
Mauza – Devapur, Tehsil- Hingna,
District Nagpur.

Subject : Environmental Clearance for Construction of Residential 1724 EWS Housing Scheme for Public Private Partnership of Affordable Housing (AHP PPP) Model of PMAY Scheme at Khasra No. 44/A, 44/B/1, Mauza –Devapur, Tehsil- Hingna, District Nagpur.by M/s.R A J Krishna Construction Company Private Limited

Reference : Application no. SIA/MH/MIS/276314/2022

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-3 in its 162nd meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 259th (Day-2) meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

1.	Proposal Number	**SIA/MH/MIS/276314/2022**	
2.	Name of Project	Construction of Residential 1724 EWS Housing Scheme for Public Private Partnership of Affordable Housing (AHP PPP) Model of PMAY Scheme at Khasra No. 44/A, 44/B/1, Mauza – Devapur, Tehsil- Hingna, District Nagpur, Maharashtra	
3.	Project category	Building & Construction Project - 8(a)	
4.	Type of Institution	Private	
5.	Project Proponent	Name	Mr. Arvind Bahl
		Regd. Office address	S-28, Greater Kailash-II, New Delhi
		Contact number	9818683072
		e-mail	Raj.kccpvtltd@gmail.com
6.	Consultant	BUILDING ENVIRONMENT (I) PVT. LTD. (QCI NABET ACCREDITTED)	
7	Applied for	Fresh Project	
8	Details of previous EC	Not Applicable	
9	Location of the project	Khasra No. 44/A, 44/B/1, Mauza – Devapur, Tehsil- Hingna, District Nagpur, Maharashtra	

10	Latitude and Longitude		Pillar	Latitude	Longitude
			A	20°54'32.40"N	78°57'30.41" E
			B	20°54'31.49"N	78°57'35.64" E.
			C	20°54'27.44"N	78°57'34.94" E.
			D	20°54'21.04"N	78°57'33.43" E.
			E	20°54'22.11"N	78°57'27.97" E.
			F	20°54'23.17"N	78°57'26.35" E.
			G	20°54'30.53"N	78°57'28.77" E.
			H	20°54'30.60"N	78°57'29.48" E.
			I	20°54'30.97"N	78°57'30.22" E.
11	Total Plot Area (m2)	54, 052.17 Sqm			
12	Deductions (m2)	Nil			
13	Net Plot Area (m2)	54, 052.17 Sqm			
14	Proposed FSI area (m2)	68,439.75 Sqm			
15	Proposed Non-FSI area (m2)	21,416.838 Sqm			
16	Proposed TBUA (m2)	89, 856.588 Sqm			
17	TBUA (m2) approved by Planning Authority till date	FSI area (sq. m.): - 68,439.75 Sqm Non FSI area (sq. m.): - 21,416.838 Sqm Built-up area (sq. m): 89, 856.588 Approved I.O.A letter No. EE/BP/PMAY/A/MHADA/327/2019 Dated 03.12.2019.			
18.	Ground coverage (m2) & %	Permissible Ground Coverage (@ 40 %) = 21,620.868 sq.mt Proposed Ground Coverage (@ 29.05%) = 15,703.115 sq.mt			
19	Total Project Cost (Rs.)	193 Crore			
20	CER as per MoEF & CC circular dated 01/05/2018	According to OM vide No. F.No.22-65/2017-IA.III dated 30.09.2020 CER Activity mentioned in the Environment Management Plan			
21	Details of Building Configuration:				
	Proposed Configuration				
	Building Name	Configuration	Height (m)		
	B1	G + 4	14.950		
	B2	G + 4	14.950		
	B3	G + 4	14.950		
	B4	G + 8	26.40		
22	Total number of tenements	Resi. – 1724			

	Total number of Population			Resi - 6896 ,Staff – 690 Visitor – 345 , Total – 7931 Persons	
23	Water Budget (Total)	Dry Season (CMD)		Wet Season (CMD)	
		Fresh Water	641.5	Fresh Water	641.5
		Recycled (Landscape)	16	Recycled	3
		Flushing	358.5	Flushing	358.5
		Total	1016	Total	1003
		Waste water generation	871.5	Waste water generation	871.5
		Excess Treated Water	409.5	Excess Treated Water	389.5
24	Water Storage Capacity for Firefighting /UGT	Underground water tank (CMD): 180.00 CMD			
25	Source of water	Municipal Corporation			
26	Rainwater Harvesting (RWH)	Level of the Ground water table:	Pre-monsoon (May 2011): 0.08 to 15.59 m bgl (CGWB) Post monsoon (Nov. 2011): 0.60 to 10.60 m bgl (CGWB) As Per soil investigation report – 09 m bgl		
		Size and no of RWH tank(s) and Quantity:	As per drawing.		
		Quantity and size of recharge pits:	14 Nos.		
		Details of UGT tanks if any:	Domestic Capacity (Lit): 720000 Flushing UG Tank Capacity (Lit): Part of STP Fire Fighting Capacity (Lit): Not Required as per NBC		
27	Sewage and Wastewater	Sewage generation CMD:	871.5 KLD (As per our Calculation)		
		STP technology:	MBBR		
		Capacity of STP (CMD):	1050 KLD (As per our Calculation)		
28	Solid Waste Management during Construction Phase	Type	Quantity (kg/d)	Treatment / disposal	
		Dry waste:	NA	NA	
		Wet waste:	NA	NA	
		Construction waste		Top Soil: 3,140 cum	
29	Solid Waste Management during Operation Phase	Type	Quantity (kg/d)	Treatment / disposal	
		Dry waste:	2,277.3 kg/day	Dry waste will be sent for recycling to agency	
		Wet waste:	1,138.65 kg/day	Wet waste will be converting to compost by using OWC	

		Hazardous waste:	NA	NA
		Biomedical waste	Negligible	We will dispose the bio medical waste as per bio medical waste rules / guidelines issued by competent authority time to time.
		E-Waste	379.55 kg/day	Handed over to SWACH
		STP Sludge (dry)	88.45 kg/day	STP sludge sent to SWM site for converting in to compost
30	Green Belt Development	Total RG area (m^2):		5,406.93 Sq.m
		Existing trees on plot:		0 Nos.
		Number of trees to be planted:		676 Nos.
		Number of trees to be cut:		0 Nos.
		Number of trees to be transplanted:		0 Nos.
31	Power requirement:	Source of power supply:		MSEDCL
		During Construction Phase (Demand Load):		50 KW
		During Operation phase (Connected load):		4773.80 KW
		During Operation phase (Demand load):		2883.03 KW
		Transformer:		7X630 KVA
		DG set:		3X 140 KVA
		Fuel used:		HSD
32	Details of Energy saving	Use of solar PV panel – 1 % Total Energy Saving – 24 %		
33	Environmental Management plan budget during Construction phase	Type	Details	
		Capital	NA	NA
		O&M	Water, Site Sanitation, Health Check Up & Safety, Environmental Monitoring	2.1 Lac

34	Environmental Management plan Budget during Operation phase	Component	Details	Capital (Rs.)	O&M (Rs./Y)
		Storm Water	Storm water	12.00 Lacs	1.50 Lacs/yr
		Sewage treatment (STP)	MBBR	150.00 Lacs	10.00 Lacs/year
		Water treatment	NA	NA	NA
		RWH	Rainwater Harvesting	21.00 Lacs	2.50 Lacs/year
		Swimming Pool	Swimming Pool	NO	NO
		Solid Waste	Municipal Solid waste	25.0 lakhs	6.25 lakhs/yr.
		Hazardous waste	NA	NA	NA
		E-waste	NA	NA	NA
		Green belt development	Landscaping	25.00 lakhs	2.50 lakhs/yr

		Energy saving	Energy Savings	80.00 lakhs	20 lakhs/yr.
		Environmental Monitoring	Air, water, Noise, Soil	9.00	9.00 lakhs/yr.
		Disaster Management	Lightning arrestor	48.00 Lakhs	0.50

35	Traffic Management	Type	Required as per DCR	Actual Provided	Area per parking (m2)
		4-Wheeler	**455**	**455**	12.5
		2-Wheeler	**2257**	**2257**	2.0
		Bicycles	**2257**	**2257**	0.7
36	Details of Court cases / litigations w.r.t. the project and project location If any.			NO	

3. The proposal has been considered by SEIAA in its 259th (Day-2) 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 explore to provide UGT on RG.
2. It is noted that, the project will have the potable water through tankers; PP to submit the water tanker agreement. Local body to ensure that, No Occupation Certificate should be issued unless project have sustainable water supply .PP also to give undertaking for not giving occupancy till sustainable water supply is ensured.
3. PP to submit the water NoC from competent authority.
4. PP to provide minimum 30% of total parking arrangement with electric charging facility by providing charging points at suitable places. PP to ensure that this should be provided in AC/DC combination.
5. PP to ensure that, the water proposed to use for construction phase should not be drinking water. They can use recycled water or tanker water for proposed construction.

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-68,439.75 m2, Non FSI-21,416.838 m2, Total BUA-89, 856.588 m2. (Plan approval No-EE/BP/PMAY/MHADA/A/327/2019, dated-03.12.2019)

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, Nagpur .
6. Commissioner, Nagpur Municipal Corporation.
7. Regional Officer, Maharashtra Pollution Control Board, Nagpur

Signature valid

Digitally signed by Shri Pravin C. Darade , I.A.S.
Member Secretary
Date: 5/26/2023 5:25:09 PM