



**PROPOSED CONSTRUCTION OF 3360 RESIDENTIAL TENEMENTS
UNDER PRADAN MANDRI AWAS YOJANA - HFA SCHEME**

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FORM - 1

I. Basic Information

S. No	Item	Details
1	Name of the project/s	Proposed construction of 3360 residential tenements at Edyanchavadi Village, Ponneri Taluk, Tiruvallur District by Tamil Nadu Slum Clearance Board
2	S. No. in the schedule	8 (a)
3	Proposed capacity / area / length / tonnage to be handled/command area / lease area / number of wells to be drilled	Proposed Built-up area is 1,18,622.49 Sq.m Building wise area details are given in the Conceptual Plan
4	New/Expansion/Modernization	New
5	Existing Capacity/ Area etc.	Nil
6	Category of Project i.e. 'A' or 'B'	Category 'B'
7	Dose it attract the general condition? If yes, please specify.	No
8	Dose it attract the specific condition? If yes, please specify.	No
9	Location	
	Plot/survey/ Khasra. No	317/1pt, 2, 3E, 3F, 3G, 3H, 3I, 3K, 3A1A1, 3A2, 3A1B, 3A3, 3A1A2, 3A4, 318, 319/2, 3, 4, 5, 6, 7, 8, 10A, 10B, 320/1B, 1C, 1D, 1Apt, 2C, 2A2, 5B, 5C, 5D, 5E, 5, 5A2, 3, 4, 6A1, 6B, 7A, 7B, 7C, 8A, 8B, 8C, 8D, 9A, 9B, 356/8A, 8Bpt, 357/1, 2, 3, 4, 5, 10, 11.
	Village	Edyanchavadi
	Tehsil	Ponneri
	District	Tiruvallur
	State	Tamil Nadu
10	Nearest railway station/airport along with distance in Km.	❖ Wimco Nagar Railway Station - 4.36 km (SE) ❖ Chennai International Airport - 25 km (SSW)
11	Nearest town, city, district headquarters along with distance in Km.	❖ Manali New Town - 1 km (S)
12	Village panchayats, Zilla parished, municipal corporation, local body (complete postal address with telephone nos. to be given)	Corporation of Chennai Address: 1131, EVR Periyar Salai, Park Town, Ripon Building, Chennai - 600 003 Telephone No: 044 25619555
13	Name of the applicant	Tamilnadu Slum Clearance Board



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14	Registered address	No. 5, Kamarajar Salai, Chennai, 600 005.
15	Address for correspondence	
	Name	Mr. V. Kaliannan
	Designation (Owner/Partner/CEO)	Executive Engineer
	Address	Division I, Tamil Nadu Slum Clearance Board, HLL Nagar, Tondiarpet, Chennai
	Pin Code	600 081
	E-Mail	eedn1tnscb@Yahoo.co.in
	Telephone No	
	Fax No	---
16	Details of Alternative Sites Examined, if any, location of these sites should be shown on a topo sheet.	No alternative sites examined
17	Interlinked Projects	Nil
18	Whether separate application of interlinked project has been submitted?	Not Applicable
19	If yes, date of submission	Not Applicable
20	If no, reason	Not Applicable
21	Whether the proposal involves approval/ Clearance under the following acts: if yes, details of the same and their status to be given. (a) The Forest (Conservation) Act, 1980? (b) The Wildlife (Protection) Act, 1972? (c) The C.R.Z Notification, 1991?	No
22	Whether there is any government order/ Police relevant/ relating to the site?	No
23	Forest land involved (hectares)	Nil
24	Whether there is any litigation pending against the land/ or land in which the Project is proposed to be set up? (a) Name of the Court (b) Case No. (c) Order/ directions of the Court, if any and its relevance with the proposed project	Nil



(II) Activity

1. Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)

S. No.	Information / Checklist confirmation	Yes / No	Details thereof with approximate quantities / rates, wherever possible) with source of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase intensity of land use (with respect to local land use plan)	Yes	There will not be any change in the land use, land cover or topography as the site is categorized as Primary Residential Land Use as per the Chennai Metropolitan Development Authority is given in Annexure - I
1.2	Clearance of existing land, vegetation and Buildings?	No	Since the existing land is vacant, no major clearance activities will take place. Only minor clearance activities will be carried out to remove the shrubs and weeds.
1.3	Creation of new land uses?	No	No creation of new land use as the site is vacant land & only tenements will be constructed.
1.4	Pre-construction investigations e.g. Bore Houses, Soil testing?	Yes	Soil Testing has been done to find the suitability of soil for providing adequate foundations for the proposed structures and the copy of the report is given in Annexure - V .
1.5	Construction works?	Yes	Construction of 15 blocks of 3360 Tenements and other buildings such as Convenient shop, ICDS, Ration shop, Milk Booth and Community Hall will be done systematically with economy of materials.
1.6	Demolition works?	No	No demolition works will be carried out as the land is vacant
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	Inside the proposed site, a small area will be utilized temporarily for construction of sheds for the migrated workers and materials. But most of the workers will be deployed from local area only.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	Excavation works will be carried out for foundation of the structures. Later on, the site will be leveled. Thus the cut and fill process will be required.



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1.9	Underground works mining or tunneling?	No	No underground works will be required as the proposed project is the construction of tenements.
1.10	Reclamation works?	No	Not envisaged.
1.11	Dredging?	No	Not envisaged.
1.12	Off shore structures?	No	Not envisaged.
1.13	Production and manufacturing processes?	No	Not applicable as the project is construction of tenements.
1.14	Facilities for storage of goods or materials?	Yes	Temporary sheds will be constructed for the storage of cement and other materials during construction phase.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	Sewage will be treated in the proposed STP of 2.2 MLD and the treated sewage will be reused for green belt development and excess will be disposed to nearby underground CMWSSB Sewer line. Bio degradable wastes will be treated in Organic Waste Converter and non-bio degradable wastes will be disposed to Authorized Recyclers.
1.16	Facilities for long term housing of operational workers?	No	No operational phase workers involved in this project.
1.17	New road, rail or sea traffic during Construction or operation?	No	The existing road network is sufficient for connectivity of the site with other parts of the city.
1.18	New road, rail, air, waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	There will be no change to the existing transport infrastructure.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in Traffic movements?	No	As construction works will be within a specified area, there is no need for closure or diversion of existing transport routes.
1.20	New or diverted transmission lines or pipelines?	No	No new or diversion transmission lines & pipelines are required for this project.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	There will not be any alteration in the hydrology of the watercourses or aquifers due to the proposed project.
1.22	Stream crossings?	No	There is no stream crossing in the project site.
1.23	Abstraction or transfers of water form ground or surface waters?	Yes	Water requirement will be sourced from CMWSSB.



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1.24	Changes in water bodies or land surface affecting drainage or runoff?	No	There is no change in the water bodies or land surface which affects the drainage or runoff.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Transportation of personnel & construction materials during construction phase will be through existing roads only.
1.26	Long-term dismantling or decommissioning or restoration works?	No	As part of this project, no long-term dismantling or decommissioning or restoration works would be involved.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	There will not be any decommissioning works.
1.28	Influx of people to an area either temporarily or permanently?	Yes	During construction period few workers will be stationed temporarily and others will be deployed locally.
1.29	Introduction of alien species?	No	No introduction of alien species
1.30	Loss of native species or genetic diversity?	No	No loss at the site is plain and there is no significant species.
1.31	Any other actions?	No	Only eco-friendly activities like tree plantation will be undertaken.

2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply).

S. No.	Information/checklist confirmation	Yes / No	Details there of (with approximate quantities/rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	Yes	The proposed project will be developed in area of 78,615.20 Sq.m. The copy of the land ownership documents is enclosed as Annexure II
2.2	Water (expected source & competing users) Unit: KLD	Yes	Total water Requirement - 2,314 KLD Source: CMWSSB and the acknowledgement copy of the request letter submitted to same is enclosed as Annexure - III .
2.3	Minerals (MT)	No	No usage of mineral is envisaged
2.4	Construction material - stone, aggregates, and / soil (expected source - MT)	Yes	The approximate consumption of cement, steel, concrete, sand, etc. are given below. Cement - 1,69,600 Bags Steel - 1,057 Tons Concrete - 45,390 cu.m.



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			Sand - 25,000 cu.m. Blocks - 13,64,700 Nos
2.5	Forests and timber (Source - MT)	No	Forests and timbers will not be used in this project.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	Total power requirement - 5,555 KVA Source - TANGEDCO
2.7	Any other natural resources (use appropriate standard units)	No	There is no need for other natural resources.

3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.

S. No.	Information/Checklist confirmation	Yes / No	Details there of (with approximate quantities / rates, wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	Yes	Hazardous material like Paint, diesel, varnish, etc will be used in the project. As it will be stored in isolated place, it will not have any significant impact on environment.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	There will not be any occurrence of diseases as activities are confined to construction.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Local people will get preference in the employment during construction phase. Tenements will be provided to people living in slum areas which will improve their living standard.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.	No	There is no vulnerable group of people who could be affected by the project.
3.5	Any other causes	No	Nil

4. Production of solid wastes during construction or operation or decommissioning (MT/month)

S. No.	Information/Checklist confirmation	Yes / No	Details there of (with approximate quantities/rates, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	No	There will not be any spoil, overburden or mine waste.



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4.2	Municipal waste (domestic and or commercial wastes)	Yes	The quantity of municipal solid waste generated from the proposed project will be 8830 kg/day
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	The quantity of Hazardous waste generated from the proposed project <u>Construction Phase:</u> ❖ Paints, Solvents/thinners - 20 to 30 kg/day (Disposed to the authorized recyclers. <u>Operation Phase:</u> ❖ Used oil - 1.3 TPA (Disposed to TNPCB/CPCB authorized re-processors)
4.4	Other industrial process wastes	No	Not envisaged
4.5	Surplus product	No	Not applicable since this is a residential construction project.
4.6	Sewage sludge or other sludge from effluent treatment	Yes	STP sludge of 311 kg/day will be used as manure for greenbelt development
4.7	Construction or demolition wastes	Yes	Construction waste will be used in land filling and road pavements in the surrounding low lying areas.
4.8	Redundant machinery or equipment	No	Most of the equipments used during construction phase will be hired.
4.9	Contaminated soils or other materials	No	There is no source for contamination of soils or other materials.
4.10	Agricultural wastes	No	Does not arise
4.11	Other solid wastes	No	No other waste generation expected.

5. Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr)

S. No.	Information / Checklist confirmation	Yes / No	Details there of (with approximate quantities / rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	The gaseous emissions are expected from transport vehicles moving inside the project site. This will be minimized by controlling the speed of vehicles, hiring well maintained vehicles, planting trees and spraying water periodically.
5.2	Emissions from production processes	No	Does not arise since the proposed project is a residential development.
5.3	Emissions from materials handling storage or transport	Yes	Emissions like dust will arise during the transportation of materials and the dust will be controlled by slow



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			movement of vehicles, covering the materials properly and water spraying.
5.4	Emissions from construction activities including plant and equipment	Yes	Marginal quantity of emission is expected from construction activities which will be controlled by suitable control measures like water spraying.
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	Dust emission will be arrested by water spraying and covering the stored materials with tarpaulin cover. Septic tanks & soak pit will be provided to treat the sewage during construction phase.
5.6	Emissions from incineration of waste	No	There are no incineration activities.
5.7	Emissions from burning of waste in open air e.g. slash materials, construction debris)	No	No such activities will be carried out.
5.8	Emissions from any other sources	No	No emissions from any other sources.

6. Generation of Noise, Vibration and Emissions of Light & Heat

S. No.	Information / Checklist Confirmation	Yes / No	Details there of (with approximate quantities / rates, wherever possible) with source of information data
6.1	From operation of equipment e.g., engines, ventilation plant, crushers	Yes	RMC will be used at site. In case of any usage of machinery/ equipment, then they will be properly covered and workers will be given ear plugs in noisy area.
6.2	From industrial or similar processes	No	Not Applicable
6.3	From construction or demolition	Yes	Noise levels in the range of 75-85 dB(A) will be generated occasionally during the construction activities. Workers in the noisy areas will be provided with earmuffs and earplugs
6.4	From blasting or piling	No	Not applicable
6.5	From construction or operational traffic	Yes	During construction phase construction materials will be transported by road, through well maintained vehicles to control noise, vibration and emissions. During operational phase traffic noise and emissions will be increased



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			slightly that will be minimized by paving roads with asphalt / concrete, well maintained vehicles, slow movement of vehicles and by planting trees.
6.6	From lighting or cooling systems	No	Adequate enclosures, tree plantations will be provided
6.7	From any other sources	No	Not Applicable

7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea.

S. No.	Information/Checklist confirmation	Yes/ No	Details there of (with approximate quantities/rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	Yes	As the hazardous materials will be stored in isolated place required safety measures are in place during entire period of construction, no significant risk is envisaged. However adequate safety measures to mitigate all risks anticipated out of fire in diesel will be taken care off by installing suitable firefighting system.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	Yes	Sewage will be treated in the STP having capacity of 2.2 MLD within the project site and the treated water will be used for green belt development purposes and excess will be disposed to nearby underground CMWSSB Sewer line.
7.3	By deposition of pollutants emitted to air into the land and into water.	No	There will minimal emission of pollutants from the project site.
7.4	From any other sources	No	No other polluting sources exist.
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	There will not be any long term build up of pollutants in the environment from these sources.



8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment.

S. No.	Information/Checklist confirmation	Yes/ No	Details there of (with approximate quantities/rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	Yes	As the hazardous materials will be stored in isolated place required safety measures are in place during entire period of construction, no significant risk is envisaged. However adequate safety measures to mitigate all risks anticipated out of fire in diesel will be taken care off by installing suitable fire fighting system.
8.2	From any other causes	No	No risks from any other sources.
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	No	The area under study falls in Zone-III according to the Indian Standard Seismic Zoning Map. The structure was designed to be earthquake resistant. The proposed project will not be affected by natural disasters causing environmental damage.

9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

S. No.	Information/Checklist confirmation	Yes/No	Details there of (with approximate quantities/rates, wherever possible) with source of information data
9.1	Lead to development of supporting. Utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g. Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) Housing development Extractive industry Supply industry	Yes Yes No No	Proposed infrastructure like roads, power supply, etc. will not create any impact on the environment. Housing will develop in and around No Extraction Nil
9.2	Lead to after-use of the site, which could have an impact on	No	No impact will be seen due to proposed the activity



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	the environment		
9.3	Set a precedent for later developments	No	No impact is seen due to the proposed activity
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	Not applicable

(III) Environmental Sensitivity

S. No.	Areas	Name/ Identity	Aerial distance (within 15km.)
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value.	Nil	No such areas within 15 Km radius
2	Areas which are important for or sensitive Ecological reasons - Wetlands, water sources or other water bodies, coastal zone, biospheres, mountains, forests	No	Nil
3	Area used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	Nil	No such areas within 15 Km radius
4	Inland, coastal, marine or underground waters	<ul style="list-style-type: none"> 🚩 Kosasthalayar River - 0.7 km (NE) 🚩 Kadapakkam Panchayat Lake - 1.65 km (W) 🚩 Madhavaram Eri - 4.85 km (SW) 🚩 Retteri Lake - 8.5 km (SW) 🚩 Puzhal Lake - 9 km (W) 	
5	State, National boundaries	No	No such areas within 15 Km radius
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	No	No such areas within 15 Km radius
7	Defense installations	No	No such areas within 15 Km radius
8	Densely populated or built-up area	Manali New Town - 1.1 km (S)	
9	Area occupied by sensitive man-made land uses Hospitals, schools, places of worship, community facilities)	<ul style="list-style-type: none"> 🚩 Government Hospital - 0.2 km (NE) 🚩 Government School - 5 km (SW) 🚩 Manali New Town Police Station - 0.24 km (ENE) 	
10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries,	No	No such areas within 15 Km radius



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	tourism, minerals)		
11	Areas already subjected to pollution environmental damage. (those where existing legal environmental standards are exceeded)	No	No such areas within 15 Km radius
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, flooding erosion, or extreme or adverse climatic conditions)	No	The area under study falls in Zone-III, according to the Indian Standard Seismic Zoning Map

I hereby given undertaking that the data and information given in the application and enclosures are true to the best of my knowledge ad belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance give, if any to the project will be revoked at our risk and cost.

Date: 04.08.2018

Place: Chennai


Executive Engineer
Dn-I/ TNSCB

(Signature of the applicant
With Name and Full Address)

Mr. V. Kaliannan, B.E.,
Executive Engineer
Division I,
Tamil Nadu Slum Clearance Board,
HLL Nagar, Tondiarpet,
Chennai 600 081.