

**Minutes of the 237<sup>th</sup> meeting of Expert Appraisal Committee held on 29<sup>th</sup> June, 2020 through Video Conferencing for Projects related to Infrastructure Development, Industrial Estate/Parks/Complexes/Areas, Export Processing Zones, Special Economic Zones, Biotech Parks, Leather Complexes and National Highways**

**Following members were present in the meeting:**

- (i) Dr. Deepak Arun Apte - Chairman
- (ii) Dr. Anil Kumar Singh - Member
- (iii) Dr. N.K Verma - Member
- (iv) Dr. M. Hota - Member
- (v) Shri Prabhakar Singh - Member
- (vi) Dr. V.K Jain - Member
- (vii) Dr. Anuradha Shukla - Member
- (viii) Dr. D. Chakraborty – Member
- (ix) Shri Rajesh Shah - Member
- (x) Shri R Debroy - Member
- (xi) Dr. M. V. Ramana Murthy - Member
- (xii) Shri RAGHU Kumar Kodali - Member Secretary
- (xiii) Dr. Ashish Kumar – Special Invitee

**1. OPENING REMARKS OF THE CHAIRMAN**

The Chairman welcomed all the members and greeted them for successful completion of tenure of the EAC. He thanked all the members and staff of the Ministry for their contribution in conducting environmental appraisal of the proposals for nearly three and half years. The Chairman expressed concern on the quality of the EIA undertaken by the accredited consultants which leads to delay in decision making.

**2. CONFIRMATION OF THE MINUTES OF THE LAST MEETING:**

The Committee confirmed the Minutes of 235<sup>th</sup> EAC meeting with a suggestion that if any typographical error is noticed in due course of time, it will be corrected suitably.

**3. Consideration of Proposals:**

Sl. No.	Proposal
3.1	<b>Development of Industrial Park over 4194.32 acre (1697.38 ha) at Guttapadu Village, Orvakal Mandal, Kurnool District, Andhra Pradesh by M/s. Andhra Pradesh Industrial Infrastructure Corporation by M/s Andhra Pradesh Industrial Infrastructure Corporation Limited - Environmental Clearance</b> <b>[Proposal No.: IA/AP/NCP/99167/2019] [File No.: 21-74/2018-IA.III]</b>

**3.1.1**

The project proponent along with the EIA consultant M/s Ramky Enviro Services Private Limited, Hyderabad, made a presentation through Video Conferencing and provided the following information:

- (i) **Brief description of the Proposal:** M/s Andhra Pradesh Industrial Infrastructure Corporation Limited (APIIC) has proposed to develop an Industrial Park at Guttapadu Village, Orvakal Mandal, Kurnool District, Andhra Pradesh, with a vision of providing "Hassle free production environment" for industries like secondary steel based, Light Engineering, Non-metallic mineral, Aerospace & defence hardware, E-waste recyclers, Gems & Jewellery, Logistic hub, Renewable energy, textile & apparel industries.
- (ii) **Nature of project (New/Expansion/Amendment/Extension etc.):** New project.
- (iii) **Whether the proposal was considered in earlier meetings of EAC: If yes, provide date of EAC meeting and reasons for deferment, if any:** No, the project is considered for first time in EAC meetings for issue of EC.
- (iv) **Whether proposal is part of interlinked project: If yes, provide details in brief:** No.
- (v) **Address of project site (Plot No./Village/ Tehsil/ District/State):** The proposed project is located at Guttapadu Village, Orvakal Mandal, Kurnool District, Andhra Pradesh.
- (vi) **Geo-coordinates of project site:**

S. No.	Longitude	Latitude
1	15°40'42.36" N	78°08'12.61" E
2	15°40'24.38" N	78°09'48.34" E
3	15°38'49.79" N	78°08'34.08" E
4	15°37'01.05" N	78°08'53.75" E
5	15°38'37.00" N	78°06'02.31" E
6	15°39'39.83" N	78°07'14.04" E

- (vii) **Area (ha) of the proposed project:** 1697.38 ha (4194.32 acres).
- (viii) **Connectivity to the site:** The site is well connected by road and railway. The nearest National Highway to the project site is NH-18 (Kurnool to Chittoor), is located at around 1.2 km (E) from the project site and the nearest railway station to the project site is Kurnool railway station which is at a distance of approx. 20 km (NNW).
- (ix) **Investment/Cost of the project:** Rs. 495 crores.
- (x) **Item of Schedule to the EIA Notification, 2006:** Activity 7 (c) - Industrial estates/parks/complexes/areas, Export Processing Zones (EPZs), Special Economic Zones (SEZs), biotech parks, leather complexes. The proposed

development of Industrial Park is coming under -Category – A”.

- (xi) **Why appraisal/ approval is required at the Central level:**Industrial Park with area greater than 500 ha and housing at least one Category ‘B’ industry.
- (xii) **Applicability of General/Specific Conditions as per EIA Notification, 2006:**Not Applicable.
- (xiii) **Whether project involves any violation under notification S.O 804(E) dated 14.03.2017:**Not Applicable.
- (xiv) **Landuse/Landcover of project site in tabular form:**

The land use of the project site is given the below table.

Level 1		Level 2		Percentage (%)
Class	Area (ha)	Class	Area (ha)	
Agricultural land	243.41	Crop land	195.15	14.34
		Fallow land	48.26	
Water bodies	28.85	Drain	28.85	1.70
Waste land	1425.12	Barren rocky	1425.12	83.96
<b>Total</b>			<b>1697.38</b>	

- (xv) **Landuse/Landcover around 10 km radius of project site:**

Level 1		Level 2		Percentage (%)
Class	Area (ha)	Class	Area (ha)	
Built up	1860	Rural	1143	3.37
		Industrial	505	
		Mining	212	
Agriculture	33145	Crop land	28316	60.06
		Fallow land	4829	
Water bodies	243	Reservoir/pond/lakes	99	0.44
		River/drain	70	
		Canal	74	
Forest	4722	Scrub forest	4722	8.56
Waste land	15087	Barren rocky	12862	27.34
		Scrub land	2225	
Other	128	Airport	128	0.23
<b>Total</b>	<b>55185</b>		<b>55185</b>	

- (xvi) **List to industries to be housed with the proposed project site, only for projects covered under 7(c) category of EIA Notification, 2006:**Secondary Steel based Industry, Light Engineering, Non-metallic mineral industries, Aerospace & defense hardware, E-waste, Gems & jewellers, Logistic hub, Renewable energy, Textile & apparel.

- (xvii) **Terrain and topographical features:**The proposed site is situated in undulating terrain. The topographic contours in the proposed project site are ranging from 332 to 405 m amsl (above mean sea level).
- (xviii) **Details of water bodies, impact on drainage, if any:**Seasonal natural streams are passing through the site which will not be diverted. Sufficient green belt and buffer zone will be provided all along the natural streams.
- (xix) **Water requirements, sources (during construction and operation phases) and NOC:**Total water required is about 19 MLD for the proposed project. The water for the project would be drawn from Srisailam foreshore at HNSS lift station – zero at Muchumarri village. The NOC for water requirement is submitted. Alternate source during construction phase will be sourced from bore-wells for which necessary permissions would be obtained.
- (xx) **Groundwater extraction/usage and NOC/Clearance from CGWA/State Ground Water Department:**No ground water will be used for this project. The water required for this project will be drawn from Srisailam foreshore (HNSS lift station) at Muchumarri village or HNSS canal. The required water will be drawn only after obtaining approval from the competent authority.
- (xxi) **Whether the project is in Critically Polluted area:**No.
- (xxii) **ToR details:** ToR was issued vide File No. IA/AP/NCP/99167/2019, dated 16th May 2019. The proposed project was earlier appraised by EAC in its 197<sup>th</sup>, 199<sup>th</sup> and 204<sup>th</sup> held on 17<sup>th</sup> September, 2018, 15<sup>th</sup> October, 2018 and 17<sup>th</sup> December, 2018, respectively. The EAC raised procedural issues in granting ToR to the Industrial Park as already M/s Jai Raj Ispat Limited has already obtained EC for part of the area. So, the proposal was withdrawn and then applied the new proposal by revising the project area (i.e., the land allotted to M/s jai Raj Ispat limited is excluded from the boundary of the Industrial Park).  
  
The project was considered in 214<sup>th</sup> EAC meeting held on 26th April, 2019, then EAC recommended for grant of Terms of Reference (ToR)
- (xxiii) **Public Hearing:**  
Public Hearing was held on 31<sup>st</sup> October 2019 at the proposed project site near Guttapadu village, Orvakal Mandal, Kurnool District, Andhra Pradesh. Some of the major issues raised during Public Hearing:
- (xxiv) :

S. No.	Category of Issue raised by Public	Response/Commitment by Proponent
1	Employment	Priority in employment will be given to land losers as per their eligibility and also 75% employment will be given to the local people in industries as per the AP government law.

2	Compensation for land	The project authorities highlighted that compensation for patta lands will be given as per law, at present as per New Land Acquisition Act-2013, the compensation amount will be double and not less than that.
3	Grazing land for livestock	Suitable land will be allotted outside the project boundary by the Revenue department for cattle grazing.
4	Expected pollution from industries	All necessary pollution controlling measures will be taken up by APIIC. Only less-polluting industries (Other than 17 categories of highly polluting industries identified by CPCB) like hardware, engineering, aerospace, gems & jewelers, etc. will be established. A budget of around Rs. 160 Crores is allocated towards Environmental Management Plan (EMP).
5	Objection for chemical industries	No chemical industries will be established within this project

(xxv) **Whether the project involves diversion of forest land: If yes, provide the extent of the forest land involved and status of the forest clearance.:** No.

(xxvi) **Whether the project is located within 10 km of Protected Areas (PA) including National Parks, Sanctuaries and Tiger Reserves etc.: If yes, provide details of the PA, distance from project site and status of clearance from National Board for wild life.:**No.

(xxvii) **Whether the project is located within the Eco-Sensitive Zone (ESZ) or Eco-Sensitive Area (ESA) notified by the MoEF&CC: If yes, provide the status of recommendation of the Monitoring Committee of ESZ/ESA.:**No.

(xxviii) **Waste Management: Provide details of waste water quantity, treatment capacity, recycling/reuse of treated water and disposal, Solid Waste Management, and Hazardous Waste Management.:**  
**Waste water quantity: Solid Waste Management: Hazardous Waste Management:** It is estimated that the effluent generation from industrial activities is about 7 MLD and sewage from domestic uses is about 1.1 MLD. The effluent generated from industrial activities will be treated in Common Effluent Treatment Plant (CETP) and domestic sewage will be treated in Common Sewage Treatment Plant (CSTP). Since the project adopts the concept of "Zero Liquid Discharge", the treated water will be reused within the industrial park. The hazardous waste generated from the industrial processes would be sent to authorized TSDF facility. The municipal waste generated would be sent to municipal bins.

(xxix) **CETP: Provide details including type and quantity of effluent, effluent conveyance system from the member units to CETP with CETP's Capacity.:** The effluent generated from industrial activities is about 7

MLD, which will be treated in CETP and the treated water will be reused for green belt, Industrial activities etc. The CETP will be developed in phased manner of appropriate capacities as per the demand. In order to meet the CETP inlet standards, individual industries should pre-treat the effluent before sending to CETP.

At Initial stages (partial occupational stage of industries), the effluent/sewage conveyance will be met through tankers, however, during the full occupation of plots/ operational stage of industries the effluent conveyance will be met through pipe network.

(xxx) **STP: Provide details of treatment and usage of treated sewage with STP's capacity.:** The sewage generated from domestic uses is about 1.1 MLD, which will be treated in CSTP and will be reused for green belt, flushing, dust suppression, etc. The CSTP will be developed in phased manner of appropriate capacities as per the demand.

(xxxix) **Details of tree cutting and Green belt development.:** Around 230 trees were observed within the project site, due to certain activities of the proposed project (industrial sheds, roads, water pipelines, drainage network, etc.) will require preliminary levelling of the site prior to implementation of the respective activities. With regard to vegetation, maximum care will be taken not to disturb the naturally grown trees during construction activities. However, if the situation demands tree felling, they will be compensated in the ratio of 1:3 during greenbelt development.

The greenbelt will be developed about 560 ha (*i.e.*, 33% from project area).

(xxxix) **Energy conservation measures with estimated saving.:** Solar energy is proposed as an alternative energy source. Solar street lighting is proposed in the industrial park. Further, the individual industries in the industrial park would be advised to install solar water heaters for water that is used for pre-heating during industrial process. Solar panels with battery backup (2 days) will be installed on every 45 m, 30 m, 24 m and 18 m wide roads with interval of 15 m on both sides. Rs. 5 Crores are allocated for Solar street lights in EMP budget. This will help in saving the electric energy and needs of the industries in a sustainable manner.

(xxxix) **Parking requirement with provision made.:** Parking area about 277 acres will be provided within the common areas and individual industrial members will be provided within their plots for their parking purposes.

(xxxix) **Details of Rain Water Harvesting.:** Rainwater harvesting pits and collection tanks are proposed at respective buildings and storm water drains would be provided all along the road network of the industrial park. Overflow from the harvesting pit and storm water of road/open space will be collected through road side storm water drains. Storm water drains will be acting as recharge trench, apart from RWH pits at plots so that maximum amount of rainwater infiltrate into the ground.

The width and depth of the drain proposed varies from place to place

	<p>depending upon the size of plots, slope of the area. The stored water from collection pond will be used for various purposes like firefighting, greenbelt, etc.</p> <p>(xxxv) <b>Brief description of Socio-economic condition of local people and R&amp;R issues involved, if any:</b>Majority of population is dependent on agriculture either as settled cultivators or agriculture labour than involvement in household entrepreneurship, petty business activities; engagement in service sector through government/private employment. The socio-economic data observed that 80.6% of working population is engaged in agriculture thereby illustrating an agrarian mode of production. The project would create more employment opportunities in the project area where work participation rate observed to be as low as 53.3% and dependency ratio has been burgeoning at 1:1% in the recent years. The proposed project would increase demand for services includes hotels, restaurants, public transport which leads to overall economic upliftment of the area.</p> <p>The proposed project does not lead to home oustees or acquiring houses, habitation areas, village sites for the development. Therefore, R&amp;R or negotiated Settlement Policy may not be applied as there is no acquisition of village sites/ habitation lands.</p> <p>The project authorities highlighted that compensation for patta lands will be given as per law, at present as per New Land Acquisition Act-2013, the compensation amount will be double and not less than that.</p> <p>(xxxvi) <b>Employment potential, No. of people to be employed:</b>Around 2500 and 25500 jobs will be generated during construction and operational phase respectively, due to the proposed project.</p> <p>(xxxvii) <b>Benefits of the project:</b>The development of industrial park shall bring about changes in the pattern of demand from food to non-food items. Due to Corporate Environmental Responsibility activities, the socio economic condition of the people will be improved. The proposed industrial park shall have a positive impact on consumption behaviour by way of raising average consumption and income through effective Environmental Management System.</p> <p>The proposed industrial park will help in the development of social infrastructure like education facilities like post offices, communication facilities, medical facilities, recreation facilities, plantation, community facilities, etc.</p> <p>(xxxviii) <b>Brief summary of specialised Studies carried out for the project as per the ToR, if any:</b>Not Applicable.</p> <p>(xxxix) <b>Details of Court cases, if any:</b>The w.r.t petitions vide WP. No. 659 of 2019 &amp; WP No. 663 of 2019 are not filed against the project but for the payments of Exgratia to DKT lands against the LAO. M/s APIIC is not the party. The Honourable High Court has given interim orders to pay the compensation.</p>
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	<p>(xl) M/s APIIC has submitted an undertaking that M/s Jai Raj Ispat Limited (JRIL) will not be a part of the proposed industrial park and shall not be allowed to use the facilities and infrastructure of the proposed park.</p>
<p><b>3.1.2</b></p>	<p>The EAC, after detailed deliberation in 237<sup>th</sup> EAC meeting held on 29<sup>th</sup> June, 2020, observed the following:</p> <ul style="list-style-type: none"> <li>(i) Proponent is required to submit an undertaking: <ul style="list-style-type: none"> <li>a) that no construction has been undertaken for this project and there is no violation of EIA Notification, 2006 as amended from time to time.</li> <li>b) that no groundwater will be extracted and used for this project.</li> </ul> </li> <li>(ii) No integrated iron and steel plants shall be permitted, and only secondary steel-based industries shall be established along with other industrial units proposed in this industrial park. Textile and apparel industries will be limited to stitching of cloths only and there shall be no manufacturing of the cloths. Proponent should avoid establishing more water intensive industries within the proposed industries. The proponent is required to revise the layout accordingly.</li> <li>(iii) The wastewater generated from the proposed industrial park will be treated and reused within the industrial park. No wastewater shall be allowed to contaminate the downstream water bodies.</li> <li>(iv) The proposed site is on rocky surface having undulating terrain and streams passing through the proposed project site. The water bodies and drainage system in and around proposed site should not be disturbed and necessary measures for its protection are required to be taken. Proponent has to prepare a detailed hydrological report indicating the runoff that is generated through the drainage systems passing through the project site. In order to protect streams and natural drainage, proponent is required to develop green belt up to 9 m on either side of streams and water bodies.</li> <li>(v) Water quality issues for the villages Konthalapadu and Guttapadu need special attention as these are located in the downstream of the project site. What measures are proposed for protection of water quality in the downstream villages.</li> <li>(vi) As per the water balance chart presented before EAC, the industrial water requirement is to the tune of 9,800 KLD. As per the type of industrial units proposed, the water demand will be on higher side and need to be revised. Therefore, PP is required to prepare a detailed water budget and its management.</li> <li>(vii) Why the project proponent is mixing the CSTP and CETP water for recycling/reuse? Water balance chart is to be revised with proper explanation.</li> <li>(viii) As per the drainage map, huge runoff is generated from the catchment at SW about 5 KM of the project boundary and the same is passing through the project site at the SE notch. No land use development is to be permitted and the drainage is to be protected in this part.</li> </ul>



	<p>(ix) It was observed that a good number of deer population in the area. A detailed wildlife management plan be prepared in consultation with the State Wildlife division.</p> <p>(x) It appears that the total land for the project has not been acquired. A clarification along with land acquisition details be submitted.</p> <p>(xi) The project area is primarily inhabited by economically weaker community in 35 villages with a population of around 111908 and with a density of 144 persons per km<sup>2</sup>. It was informed that no evacuation/shifting of people has been planned for this project, hence, there will not be any rehabilitation of communities /villages. However, EAC felt that there should be at least 500 m buffer between habitation and industries of the proposed industrial park.</p> <p>(xii) CER activities do not address the issues raised during public hearing. It is also observed that Rs. One crore has been provisioned for any other requirements of the community. Proponent is required to allocate this fund to specific activities under CER for issues raised during public hearing.</p> <p>(xiii) The water required for this project will be drawn from Srisailam foreshore (HNSS lift station) at Muchumarri village or HNSS canal. The required water will be drawn only after obtaining approval from the competent authority. Proponent is required to submit letter showing permission of competent authority to use water from this source.</p> <p>(xiv) Proponent has informed that total requirement for electricity is 115 MW. It is not mentioned that how much of this (out of 115 MW) will be obtained from Solar panels to be proposed for installing under this project.</p> <p>(xv) Air quality prediction modelling is done using DG sets only. It is required to do AQIP considering all sources of air pollution for this project.</p> <p>(xvi) The information presented before EAC does not capture the issue mentioned in public consultation proceedings. All the issues should be categorically complied and elaborated before EAC.</p> <p>(xvii) It was informed that the Environmental Management Cell was headed by the Chief Engineer of M/s APIIC. However, some of the EAC members recalled that M/s APIIC never had any structured and functional Environmental Cell to oversee day to day environmental issues. Details of Environmental Cell comprising suitably qualified persons to be submitted.</p> <p>(xviii) Public hearing issues raised along with commitment made by PP with time bound action plan and budget provision to be submitted.</p> <p>In view of this, EAC <b>deferred the proposal for want of additional information.</b></p>
<p><b>3.2</b></p>	<p><b>Construction of 6-lane highway from Chittoor to Thatchur NH-716B (Km 0.000 to 126.550) from District Chittoor, Andhra Pradesh to Thatchur, District Tiruvallur, Tamil Nadu by M/s National Highways Authority of India (NHAI) – Environmental Clearance</b></p> <p><b>[Proposal No.:IA/AP/MIS/75727/2018] [File No.: 10-49/2018-IA.III]</b></p>

3.2.1	<p>The project proponent along with the EIA consultant M/s Louis Berger Consulting Private Limited, Gurugram, made a presentation before EAC during its 237<sup>th</sup> EAC meeting held on 29<sup>th</sup> June, 2020 through Video Conferencing. However, it was observed that all the information provided in the EIA/EMP report is based on incorrect length of the proposed alignment. The information provided by proponent is not adequate, hence omitted from these minutes of meeting.</p>
3.2.2	<p>The EAC during its 237<sup>th</sup> meeting held on 29<sup>th</sup> June, 2020 observed the following:</p> <ul style="list-style-type: none"> <li>(i) ToR for this project was issued for 126.55 km length, however, the EIA/EMP report is prepared for the length of 116.550 km.</li> <li>(ii) Information regarding land use/land cover within buffer of study area and current status of application for diversion of forest land was not adequately mentioned.</li> <li>(iii) EIA/EMP also does not capture issues related to loss of forest cover, trees in forested and nonforest areas, agriculture, animal husbandry and related livelihoods along with other critical issues raised during public hearing. It also does not provide adequate picture of land use pattern (and mapping at appropriate scale as per general ToR conditions) of study/buffer area for delineating rivers and lakes, cropping pattern (single and double crop), agricultural plantations, fallow lands, water bodies, built-up areas, forest areas, other land uses. The poorly conducted social impact assessment due to proposed road, land acquisition procedures, lack of information on animal bypasses/underpasses across habitation areas and adequate cattle passes (and) for the movement of agricultural material are also required to be pointed out here.</li> <li>(iv) Overall, the EIA/EMP report is poorly prepared with inadequate technical information regarding environmental quality parameters and ecological attributes. It is required to rewrite the entire EIA/EMP report using refined methodology, data collation, analysis for accurate baseline scenario, predictions and mitigation measures.</li> <li>(v) Detailed study on usage of waterbodies by local community and impacts of proposed project on hydrogeology and geomorphological features of the region along with adequate mitigation measures are required to be done before finalising the alignment. Besides other issues, the study shall take into consideration the following points: <ul style="list-style-type: none"> <li>• All the major, minor bridges and culverts should not affect the drainage systems. Flood plains of the rivers/ drainage systems are not to be disturbed.</li> <li>• Can the chainage 112 passing through the water body be avoided. Option-1 also looks suitable and may be examined along with other potential alignments not yet explored and compared for their suitability for the proposed project.</li> <li>• All the RWH structures should be provided with oil separator so as to prevent ground water being contaminated.</li> </ul> </li> </ul>

	<p>EAC has noted that EIA Consultant M/s Louis Berger Consulting Private Limited, has not carried out a proper assessment and M/s National Highways Authority of India (NHAI) being the project proponent has also not verified the report. The NHAI has been requested time and again for doing proper review of proposals and related documents before presenting to the EAC which leads to delay. EAC is of the view that the MoEF&amp;CC may bring these facts to the knowledge of the NHAI.</p> <p>Therefore, the proposal was <b>returned in its present form</b> and for submission of the revised EIA/EMP report, Form-2 of application and other related documents.</p>
<p><b>3.3</b></p>	<p><b>Development of Industrial Model Township at Kharkhoda, Sonapat, Haryana by M/s Haryana State Industrial &amp; Infrastructure Development Corporation Limited – Further consideration for Environmental Clearance</b></p> <p><b>[Proposal No.: IA/HR/NCP/62795/2017] [F. No.: 21-237/2017-IA.III]</b></p>
<p><b>3.3.1</b></p>	<p>The project proponent along with the EIA consultant M/s Grass Roots Research &amp; Creation India Private Limited, made a presentation through Video Conferencing and provided the following information:</p> <ul style="list-style-type: none"> <li>(i) <b>Brief description of the Proposal:</b> The proposal is for development of new Industrial Model Township (IMT), Kharkhoda, District-Sonapat, Haryana. Total area is 3217.19 acre (1301.95 ha) comprising industrial plots ( area 1243.28 acres), commercial Use (171.51 acres), Public Utilities/Buildings (168.47 acres), Institutional Use (147.61 acres), R&amp;R Plots (109.29 acres), R&amp;R Pockets &amp; Land Pooling Plots/Housing (163.58 acres), Green Belts, Open Spaces, Roads, Orbital Rail Corridor &amp; Parking etc. (1203.45 acres).</li> <li>(ii) <b>Nature of project (New/Expansion/Amendment/Extension etc.):</b> New.</li> <li>(iii) <b>Whether the proposal was considered in earlier meetings of EAC: If yes, provide date of EAC meeting and reasons for deferment, if any:</b> Yes. 222<sup>nd</sup> and 225<sup>th</sup> EAC meetings held on 20<sup>th</sup> August, 2019 and 22<sup>nd</sup> October, 2019, respectively.</li> <li>(iv) <b>Whether proposal is part of interlinked project: If yes, provide details in brief:</b> No.</li> <li>(v) <b>Address of project site (Plot No./Village/ Tehsil/ District/State):</b> Tehsil -Kharkhoda, District Sonapat, Haryana.</li> <li>(vi) <b>Geo-coordinates of project site:</b> Latitude: 28°50'3.98"N to 28°49'35.92"N Longitude: 76°58'12.05"E to 76°54'42.38"E</li> <li>(vii) <b>Area (ha) of the proposed project:</b> 3217.19 acre (1301.95 ha).</li> <li>(viii) <b>Connectivity to the site:</b> SH-18 is adjacent to the site. Narela Railway Station-9 km in ENE direction. IGI Airport-35 km in SSE direction.</li> <li>(ix) <b>Investment/Cost of the project:</b> Rs. 4000 crores.</li> <li>(x) <b>Item of Schedule to the EIA Notification, 2006:</b> Category A, item 7(c) of</li> </ul>

the schedule.

- (xi) **Why appraisal/ approval is required at the Central level:** The project falls under category 7 (c).
- (xii) **Applicability of General/Specific Conditions as per EIA Notification, 2006:** Not Applicable.
- (xiii) **Whether project involves any violation under notification S.O 804(E) dated 14.03.2017:** Not Applicable.
- (xiv) **Landuse/Landcover of project site in tabular form:**

S. No.	Area Statement	In Acre	In Hectare	%age
1	Total Site Area	3306.32	1338.02	
(A)	Area released	89.13	36.06	2.69
(B)	Balance Land	3217.19	1301.95	97.31
(a)	Raw Land allotted to GramPanchayat Village Rampur for BPL Families	10.0	4.046	0.31
(b)	Area Reserved for Industrial Plots	1243.28	503.13	38.64
(c)	Area Reserved for Commercial Use	171.51	69.407	5.33
(d)	Area Reserved for Public Utilities/Buildings	168.47	68.18	5.24
(e)	Area Reserved for Institutional Use	147.61	59.73	4.54
(f)	Area Reserved for R&R Plots	109.29	44.22	3.4
(g)	Area Reserved for R&R Pockets & Land Pooling Plots/Housing	163.58	66.198	5.08
(h)	Area Reserved for Green Belts, Open Spaces, Roads, Orbital Rail Corridor & Parking etc.	1203.45	487.02	37.41

- (xv) **Landuse/Landcover around 10 km radius of project site:**

LAND USE CLASS	AREA (Ha)	AREA ( Sq. km)	AREA In Percentage %
Settlement	3396.04	33.9604	7.05
Water bodies	255.74	2.5574	0.53
Vegetation	133.94	1.3394	0.28
Forest	232.8	2.328	0.48
Open Scrub	1599.84	15.9984	3.32
Open Land	629.4	6.294	1.32
Agricultural land	41900.74	419.0074	87.02
<b>TOTAL</b>	<b>48148.5</b>	<b>481.485</b>	<b>100</b>

- (xvi) **List to industries to be housed with the proposed project site, only for projects covered under 7(c) category of EIA Notification, 2006:**

- CETP (Category B as per EIA Notification, 2006),
- Food Industry,
- Printing & Packaging Industries,
- Textile and Garments Industry
- Automobiles manufacturing (Integrated facilities),
- Plastic Industry
- Electrical & Electronics Industry
- IT & ITES,
- Footwear Industry
- General Engineering Industry
- Commercial, Group Housing for Industrial labours/ workers, Institutional & Hospital
- Building (Category B as per EIA Notification, 2006)

It was also certified that dyeing will not be allowed in textile and garment industries. Raw material processing will not be allowed

- (xvii) **Terrain and topographical features:** 87.02 % is agricultural land followed by 7.05% settlement land as per 10 km study.
- (xviii) **Details of water bodies, impact on drainage, if any:** No river exists within study area. Submitted an undertaking that no waterbodies will be affected by this project.
- (xix) **Water requirements, sources (during construction and operation phases) and NOC:** Water requirement during construction - Private Water Tankers, Water requirement during operation - Total water requirement will be 92.6659 MLD out of which fresh water demand will be 58 MLD and rest of the demand shall be met out from treated waste water. The source of water will be Western Yamuna Canal. NOC submitted with EIA.
- (xx) **Groundwater extraction/usage and NOC/Clearance from CGWA/State Ground Water Department:** Not Applicable.
- (xxi) **Whether the project is in Critically Polluted area (Yes or No. If yes, provide brief details):** Not Applicable.
- (xxii) **ToR details: Provide Date of ToR issued and details of earlier appraisals and information sought by the EAC along with the response given, if any:** ToR:F.No.21-237/2017-IA.III dated 23 August 2017.
- (xxiii) **Public Hearing Details:** 08.03.2019 at 11:00 am at project site.
- Summary of issues raised and response/commitments by Proponent:**

S. No	Issues Raised	Commitment by Project Proponent
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1	Air pollution and bad odour from the footwear industries	PP replied that there will be no major Air pollution problem due to proposed footwear park in IMT as all the industries that will be installed are in least polluting category and all industries will be required to obtain NOC from HSPCB before establishment and will provide proper and adequate APCM along with periodic monitoring. Preventive measures for noise, water, air pollution under the existing framework of law to be complied with and assured the minimum disturbance in present environmentof area.
2	Air due to other industries	AEE of HSPCB replied that the stringent action has been taken against the violators the HSPCB by sealing plant and machinery of 08 No. of industries. HSPCB will take action against violators as provision of Acts/ Rules.
3	Land acquisition, delay caused in disbursement of Royalty.	AGM of HSIIDC replied that all necessary action/steps are being taken so that royalty related issues are dealt on priority.
4	The accident like tragedy of Bhopal Gas can happen at proposed IMT also. What action will be taken if such type of incidence happened. He also questioned about the utilization of CSR funds.	Project proponent replied that no such type of industries will be installed in this proposed IMT, Kharkhoda. The Project Proponent replied that the CSR funds will be utilized as per the provision in the public interest and estimate shall be prepared through BDO's by listing the works that needs to be done. The AEE of HSPCB also elaborated that all the industries will be established after taking prior NOC from the Pollution Board and Board will take the action against the defaulter, if found at any stage.
5	Issues regarding industrial plot under R & R policy.	AGM of HSIIDC replied that their reasonable demands are under consideration and plots (under R & R policy) will be allocated after development of basic infrastructure in IMT.
7	Issues regarding passage of road.	AGM of HSIIDC replied that their reasonable demands are under consideration and HSIIDC will not block any existing passage.
8	Regarding gazette notification land acquirement and Job of villager whose land is acquired by the HSIIDC, not released the payment of borewell	AGM of HSIIDC replied that their demands regarding CER funds is under consideration and two development projects in Village Kundal has already been approved and he requested the Residents to submit the proposal for development work through BDO's and after estimation of cost of development work, HSIIDC will release the funds for the designated project. The plots will be allocated after development of basic infrastructure and final allotment is expected within 06 - 12 months. The jobs will be given once the project is under operation.

	<p>(xxiv) <b>Whether the project involves diversion of forest land: If yes, provide the extent of the forest land involved and status of the forest clearance.:No.</b></p> <p>(xxv) <b>Whether the project is located within 10 km of Protected Areas (PA) including National Parks, Sanctuaries and Tiger Reserves etc.: If yes, provide details of the PA, distance from project site and status of clearance from National Board for wild life.: No.</b></p> <p>(xxvi) <b>Whether the project is located within the Eco-Sensitive Zone (ESZ) or Eco-Sensitive Area (ESA) notified by the MoEF&amp;CC: If yes, provide the status of recommendation of the Monitoring Committee of ESZ/ESA.:No.</b></p> <p>(xxvii) <b>Waste Management: Provide details of waste water quantity, treatment capacity, recycling/reuse of treated water and disposal, Solid Waste Management, and Hazardous Waste Management.: Waste water quantity: Solid Waste Management: Hazardous Waste Management: Approx. 64 MLD of waste water generated will be treated from the project which will be treated in an onsite CETP of 64 MLD capacity. Treated effluent 50.90 MLD will be reused for flushing, HVAC, Boiler, horticulture etc. Approx. 134 tonne solid waste will be generated. Approx. 21.64 Acre of land is proposed for solid waste disposal. Remaining inert waste shall be transported to local solid waste-dumping site. Hazardous wastes will be disposed of at the designated site, i.e., Pali, Faridabad, Haryana, as per the provisions of the Hazardous Wastes (Management, Handling and Trans-boundary Movement) Rules, 2008 and as amended.</b></p> <p>(xxviii) <b>CETP: Provide details including type and quantity of effluent, effluent conveyance system from the member units to CETP with CETP's Capacity.: CETP of 64 MLD will be installed in an area 26.45 acre within the premises. Details submitted with EIA.</b></p> <p>(xxix) <b>STP: Provide details of treatment and usage of treated sewage with STP's capacity.: Not Applicable.</b></p> <p>(xxx) <b>Details of tree cutting and Green belt development.: Not Applicable. Green area - 433.85 Hectare / 1072.089 Acre.</b></p> <p>(xxxi) <b>Energy conservation measures with estimated saving:</b></p> <ul style="list-style-type: none"> <li>• Use of solar photovoltaic systems for street lighting</li> <li>• Maximum use of sunlight.</li> <li>• All lighting systems (interiors, external building features such as facades, illuminated roofs, architectural features, and building grounds) will be in conformance to the ECBC Code.</li> <li>• To replace all the incandescent lamps and 40W tube lights with conventional choke with CFL &amp; T5-28W tube lights respectively.</li> </ul>
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	<ul style="list-style-type: none"> <li>• To replace all the old tube light street light fixtures with energy efficient fixtures.</li> <li>• The use of solar water heating systems will be mandatory.</li> </ul> <p>(xxxii) <b>Parking requirement with provision made.:</b></p> <ul style="list-style-type: none"> <li>• Total 269000 m<sup>2</sup> area provided for Parking lot, Bus Station, Oil Filling Station.</li> <li>• Entry and exit will be from separate gates to minimize the disturbance to the approach road.</li> <li>• Adequate parking is proposed to ensure there is no parking along the road.</li> <li>• Traffic rotary is designed for diverting the traffic of the area.</li> <li>• A well planned road network is proposed within the industrial estate premises. 60m wide road will be provided.</li> </ul> <p>(xxxiii) <b>Details of Rain Water Harvesting.:</b> Total 200 nos of Rain Water Harvesting pits have been proposed for artificial ground water recharge. Further, provision of rain water harvesting system in all individual industrial units will be mandatory.</p> <p>(xxxiv) <b>Brief description of Socio-economic condition of local people and R&amp;R issues involved, if any:</b> Conditions during public hearing have already mentioned above for which HSIIDC will be responsible as per R &amp; R policy. Demographic situation of the area is as under:</p> <ul style="list-style-type: none"> <li>• Total population = 2,98,680 persons</li> <li>• Industrial area = 67,085 persons</li> <li>• Commercial area = 69,408 persons</li> <li>• Institutional Area = 1,41,185 persons</li> <li>• Residential area = 8,298 persons</li> <li>• Hospital (500 Beds) = 2174 persons</li> <li>• Public Utility &amp; Public building = 1,704 persons</li> <li>• R&amp;R and Land Pooling = 8826 persons</li> </ul> <p>(xxxv) <b>Employment potential, No. of people to be employed:</b> 1,00,000-1,50,000 persons will get direct and indirect employment.</p> <p>(xxxvi) <b>Benefits of the project:</b></p> <ul style="list-style-type: none"> <li>• To promote more rapid industrialization of the country</li> <li>• Infrastructural development in the State of Haryana.</li> <li>• To increase national and local employment</li> <li>• To attract private investment both national and foreign</li> <li>• To promote the development of small industries</li> <li>• To encourage more effective use of resources through the development of industrial complexes, including diversified industries of all sizes.</li> <li>• To bring industries and industrial employments to rural areas</li> </ul>
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	<ul style="list-style-type: none"> <li>• To train labors and increase its productivity</li> </ul> <p>(xxxvii) <b>Details of Court cases, if any:</b> No. Submitted undertaking in this regard.</p>
<b>3.3.2</b>	<p>The EAC after detailed deliberation during 222<sup>nd</sup> meeting held on 20<sup>th</sup> August, 2019, observed following:</p> <ul style="list-style-type: none"> <li>(i) EIA/EMP was not prepared as per approved ToR. There are discrepancies in figures of total area and boundaries of the project site. Similar discrepancies were observed in EIA/EMP report.</li> <li>(ii) No clarity about area allocated for R&amp;R Pockets &amp; Land Pooling Plots/Housing.</li> <li>(iii) The Industrial Units to be housed within the proposed Industrial Model Township, as mentioned during presentation, varies from those provided in approved ToR of the project, which was issued on 23<sup>rd</sup> August, 2017.</li> <li>(iv) There are villages within the project boundaries.</li> <li>(v) Landuse and layout of the proposed sites are not clearly mentioned.</li> <li>(vi) CETP of 64 MLD capacity is proposed.</li> </ul>
<b>3.3.3</b>	<p>Considering above mentioned points, EAC after detailed deliberation during its 222<sup>nd</sup> meeting on 20<sup>th</sup> August, 2019, <b>deferred</b> the proposal for want of following information/clarification/documents:</p> <ul style="list-style-type: none"> <li>(i) EIA/EMP as per approved ToR along with clarity on project area, boundaries, industrial units to be housed within the proposed Industrial Model Township. The PP was asked to submit revised EIA/EMP accordingly.</li> <li>(ii) Revised land use plan and layout of the proposed site as per approved ToR and which to be mentioned in EIA/EMP report accordingly.</li> <li>(iii) Clarity about villages and people residing therein along with issues related to R&amp;R and land pooling etc., be provided.</li> </ul>
<b>3.3.4</b>	<p>The EAC after detailed deliberations during 225<sup>th</sup> meeting held on 22<sup>nd</sup> October, 2019, observed the following:</p> <ul style="list-style-type: none"> <li>(i) EIA/EMP prepared for this project does not strictly follow the generic structure as per EIA Notification, 2006 as amended from time to time. For example, there is no detail of Social Impact Assessment and R&amp;R Plan in the said EIA/EMP report.</li> <li>(ii) The disclosure of the consultant is not duly signed. Also, the disclosure of Consultant section in the EIA/EMP report does not declare that this particular EIA/EMP report has been prepared by the EIA Consultant.</li> <li>(iii) Submitted revised layout plan, however, it lacks proper planning from regional perspective.</li> <li>(iv) The important air quality parameters in the surrounding area of the proposed project are already above the prescribed standard. For prediction of air quality, the emission from DG set only is considered. The prediction should also</li> </ul>

	<p>include all possible emissions with respect to categories of industries planned zone wise along with area earmarked.</p> <ul style="list-style-type: none"> <li>(v) Proponent has planned to establish Marble Industries near Institutional Area, which is not acceptable.</li> <li>(vi) Adequate planning is lacking for selecting industries near Aabadi area.</li> <li>(vii) Layout plan (map) does not provide information about disposal site for Solid Waste and Hazardous Waste to be generated from the industries to be housed within the proposed Industrial Model Township.</li> <li>(viii) Proponent has mentioned that the land use plan of the proposed site will be prepared later. However, it should be planned at the time of preparing EIA/EMP report and be presented before the EAC during appraisal of the project.</li> <li>(ix) Proponent has mentioned that out of total 87.275 MLD of water requirement, 65 MLD will be met through water from Western Yamuna Canal of Irrigation Department. Proponent has however, not mentioned about the source for getting the rest of the water to be used for this project.</li> <li>(x) Consumption of water is huge and implementation of Zero Liquid Discharge (ZLD), as claimed by proponent, is not feasible.</li> <li>(xi) Proponent has informed that no ground water will be used for the proposed project.</li> <li>(xii) Proponent has not provided details of discharge from and design of CETP to be developed for the proposed project.</li> <li>(xiii) Activities to be undertaken within the proposed Industrial Model Township should not adversely affect the water quality of Yamuna river.</li> <li>(xiv) Proponent has not established Environmental Monitoring Cell as stipulated while granting earlier Environmental Clearances to the same proponent, M/s HSIIDC Limited for development of other Industrial Parks/Areas.</li> <li>(xv) Many of the issues raised in Public Hearing are not addressed adequately in the EIA/EMP report.</li> </ul>
<p><b>3.3.5</b></p>	<p>In view of above mentioned observations of the EAC during 225<sup>th</sup> meeting held on 22<sup>nd</sup> October, 2019, the proposal was deferred for want of following information/documents:</p> <ul style="list-style-type: none"> <li>(i) EIA/EMP prepared following the generic structure strictly as per EIA Notification, 2006 as amended from time to time. EIA report should include the Social Impact Assessment and R&amp;R Plan.</li> <li>(ii) The disclosure of Consultant section in the EIA/EMP should specifically mention that this particular EIA/EMP report has been prepared by the EIA Consultant.</li> <li>(iii) Submit the revised layout plan, to avoid the Marble Industries and other polluting industries near Institutional and Aabadi Areas.</li> </ul>

	<ul style="list-style-type: none"> <li>(iv) For prediction of air quality, all possible emissions with respect to categories of industries planned zone wise along with area earmarked should be covered.</li> <li>(v) Submit action plan for proposed mitigation measures within the premises of Industrial Model Township to bring down the air quality parameters within the prescribed limit.</li> <li>(vi) Submit layout plan (map) depicting information about disposal site for Solid Waste and Hazardous Waste to be generated from the industries to be housed within the proposed Industrial Model Township.</li> <li>(vii) Submit the land use plan of proposed Industrial Model Township.</li> <li>(viii) Proponent has mentioned that out of total 87.27 MLD of water requirement, 65 MLD will be met through water from Western Yamuna Canal of Irrigation Department. Proponent has to provide information about the source for getting the rest of the water to be used for this project. Ground water shall not be used in any case.</li> <li>(ix) Submit the detailed design of CETP with discharge parameters for the proposed project.</li> <li>(x) Appropriate mitigation measure to be taken in respect of activities to be undertaken within the proposed Industrial Model Township so that the water quality of Yamuna river and ground water is not affected.</li> <li>(xi) Establish the Environmental Monitoring Cell as stipulated while granting earlier Environmental Clearances to the same proponent, M/s HSIIDC Limited for development of other Industrial Parks/Areas. A team of qualified Environmental Professionals should be appointed for this purpose.</li> <li>(xii) Revised EIA/EMP report to address all the issues raised in the Public Hearing.</li> <li>(xiii) Submit undertaking that compensation shall be given as per Land Acquisition, Rehabilitation and Resettlement Act (LARR), 2013 or Acts/Notifications issued by the Government of Haryana.</li> </ul>
<p><b>3.3.6</b></p>	<p>The EAC after detailed deliberation during 237<sup>th</sup> meeting held on 29<sup>th</sup> June, 2020, observed following:</p> <ul style="list-style-type: none"> <li>(i) As per ToR issued to M/s HSIIDC for this project, project site already have factories covering an area of 8.6 ha.</li> <li>(ii) The village Rampur has been included within the proposed project site.</li> <li>(iii) To the observation of the EAC about a visibility of existence of a few factory sheds within the project boundary in the North-Eastern fringe, the proponent clarified that the sheds visible on the google earth map fall beyond the acquired land and they further certified that no construction activity has been initiated/made in the IMT land till date. An undertaking in this regard was also submitted by the proponent.</li> <li>(iv) Revised layout plan removing Marble Industries near Institutional and Aabadi Areas was submitted.</li> </ul>

	<ul style="list-style-type: none"> <li>(v) Proponent has already submitted an undertaking that no ground water is to be used for this project as the area is categorised as over-exploited.</li> <li>(vi) No waste water will be discharged into Yamuna river, any other river/stream or Efforts should be made to reduce the water requirement, waste water generation for achieving ZLD.</li> <li>(vii) Proponent has submitted the revised land use plan showing green belt vis-à-vis industries.</li> <li>(viii) The proponent while acquiring land, also acquired more than 80 tube wells.</li> <li>(ix) Revised EIA/EMP report was submitted by incorporating the Social Impact assessment and R&amp;R in chapter 7 of EIA/EMP report</li> </ul>
<p><b>3.3.7</b></p>	<p>The EAC during its 237<sup>th</sup> meeting on 29<sup>th</sup> June, 2020 felt that due diligence had already been done in appraisal of the project. Based on the submission of requisite documents and presentation by the PP, the EAC <b>recommended</b> the proposal for grant of <b>Environmental Clearance</b>, with the specific conditions, as mentioned below in this para, in addition to all standard conditions applicable for such projects and subject to submission of following documents:</p> <ul style="list-style-type: none"> <li>(i) The proponent is required to submit a detailed scheme for utilization of treated effluent and sewage as well for achieving zero discharge into drain leading to river Yamuna.</li> <li>(ii) Revised layout plan to be submitted by excluding Rampur village within the project boundaries</li> </ul> <p><b>SPECIFIC CONDITIONS:</b></p> <ul style="list-style-type: none"> <li>(i) This Environmental clearance is subject to outcome of court cases pending against the project proponent at Hon'ble Supreme Court of India / High Court.</li> <li>(ii) All the mitigation measures to reduce pollution as mentioned in EIA/EMP report shall be implemented in toto.</li> <li>(iii) No water intensive Industries will be allowed in this area. No waste water shall be discharged to pollute Yamuna river or other rivers/streams or waterbodies. The proponent shall utilize the treated effluent and sewage for achieving zero discharge and scheme for the same shall be approved by CPCB and SPCB.</li> <li>(iv) Proponent shall ensure that Sohti minor canal network is not damaged.</li> <li>(v) Plantation of native tree species and vegetation cover shall be done up to 9m on either side of Sohi minor canals.</li> <li>(vi) No ground water shall be used in any case. All the 80 tube wells shall be sealed by M/s HSIIDC.</li> <li>(vii) Permission from Irrigation Department for obtaining 58 MLD of surface water to be obtained. Consent to Operate shall not be issued without obtaining permission competent authority for use of surface water.</li> <li>(viii) Provision shall be made to recharge the ground water and construct rainwater harvesting structures for augmentation of ground water levels.</li> <li>(ix) M/s HSIIDC Limited shall provide road to the local people for their movement.</li> </ul>

	<p>(x) As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May, 2018, and proposed by the project proponent, an amount of Rs. 28 crores on slab basis for project budget of Rs. 4000 Crores) shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as support to Panchayats/local government, schools w.r.t. sanitation, health and hygiene, construction of public toilets in the surrounding villages, medical camps, rainwater harvesting, Installation of street lights in nearby villages as per requirement, rejuvenation and creation of water ponds, augmentation of drinking water facilities and provision of solid waste facilities viz. vermicomposting and safe drainage of waste water in consultation with concerned Panchayats. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as a project and be monitored. The monitoring report shall be submitted to this Ministry's Regional Office concerned as a part of half yearly compliance report, and to the concerned authorities including District Collector. It should be posted on the website of the project proponent.</p>
<p><b>3.4</b></p>	<p><b>Developmental expansion of Industrial park over an area of 1415.25 ha in addition to existing Developed area of 290.37 ha within total permitted area of 1705.62 ha in respect of Khed City Industrial Park at Khed Taluka, District Pune, Maharashtra by M/s Khed Economic Infrastructure Pvt. – Terms of Reference.</b></p> <p><b>[Proposal No. IA/MH/NCP/152981/2020] [F. No. 21-944/2007-IA.III]</b></p>
<p><b>3.4.1</b></p>	<p>The project proponent along with the EIA consultant M/s Ardra Consulting Services Pvt. Ltd, Bhubaneshwar, made a presentation through Video Conferencing and provided the following information:</p> <p>(i) <b>Brief description of the Proposal:</b> Khed City is an integrated city spread over 1705.62 Ha. with Integrated Industrial Areas / Domestic Tariff Areas/Special Economic Zones. It is a synthesis of every aspect of a convenient city life. It upholds a walk-to-work culture and therefore provides social, educational, entertainment, healthcare, utility services and other facilities for its citizens. The Non-Industrial area has dedicated areas for support services. The project is among the best-in-class infrastructure, Khed City is India's emerging smart industrial city. This vast expanse of opportunities is brought together by the concepts of industry integration, smart cities and sustainable development. Khed City is mode led on a walk-to-work culture and provides a high entertainment and educational facilities. The planned city infrastructure forms a smart support system for industrial units and also makes provision for integrated development. The city is already buzzing with activity, brought alive by 24 operating industrial units from various industrial sectors. About 50 manufacturing units are already a part of this thriving industrial ecosystem. In order to regularize the validity of Environmental Clearance and development industrial park over balance area of 1415.25 Ha, out of total acquired area of 1705.62 ha, it is proposed to obtain Fresh Environmental Clearance accordingly. Hence it is proposed that, Environmental Clearance for Developmental expansion of Industrial park over an area of 1415.25 ha in addition to existing Developed area 290.37 ha (Industry, amenities &amp; Residential area) within permitted total area of 1705.62 ha in respect of Khed City Multi - product Industrial Park at Khed Taluka, District Pune, Maharashtra by M/s. Khed Economic Infrastructure Pvt. Ltd.</p> <p>(ii) <b>Nature of project (New/Expansion/Amendment/Extension etc.):</b> Expansion Project.</p>

- (iii) **Whether the proposal was considered in earlier meetings of EAC: If yes, provide date of EAC meeting and reasons for deferment, if any: No.**
- (iv) **Whether proposal is part of interlinked project: If yes, provide details in brief: No.**
- (v) **Address of project site (Plot No./ Village/ Tehsil/ District/State):**

Plot No 1896, 1897, 1898, 1899, 1900, 1901, 1902,1903, 1904, 1905, 1906, 1907, 1908, 1909, 1911, 1944part, 1945, 1946, 1947, 1948, 1949, 1950,1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1963, 1964, 1965, 1966, 1967,1968, 1969, 1970, 1971, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 2144, 2145, 2146,2147, 2148, 2149, 2186, 2189 part, 2207, 1972, 2187, 2188 and for SEZ at survey number 135 pt,277 pt, 303 pt, 304 pt, 305/1 pt, 306, 307, 308 pt, 309 pt, 310, 311 pt, 330, 332 pt., Village Dawdi, Kanerhsar, Nimgaon in Khed Taluka and Kendur of Shirur, and plot bearing numbers 305/1, 342, ,1164, 1267, 1268, 366/24, 366/25, 366/26, 366/27, Villages Nimgaon, Kanerhsar, Dawdi and Kendur in Tal-Khed and Shirur, Dist-Pune, Maharatsra.

**Geo-coordinates of project site:**

loc	Lat	Long	loc	Lat	Long
A	18°48'39.49"N	73°55'53.15"E	Q1	18°47'15.95"N	74° 1'2.48"E
B	18°48'52.69"N	73°56'3.05"E	R1	18°47'6.60"N	74° 1'9.70"E
C	18°49'10.67"N	73°56'52.86"E	S1	18°47'30.12"N	74° 0'39.25"E
D	18°49'20.52"N	73°57'38.87"E	T1	18°47'32.38"N	74° 0'2.34"E
E	18°49'5.34"N	73°58'13.86"E	U1	18°47'13.71"N	74° 0'37.39"E
F	18°49'18.78"N	73°58'20.91"E	V1	18°46'59.88"N	74° 0'43.54"E
G	18°49'49.71"N	73°59'21.44"E	W1	18°46'47.41"N	74° 0'37.70"E
H	18°49'58.41"N	73°59'16.05"E	X1	18°46'44.70"N	74° 0'24.28"E
I	18°50'12.79"N	73°59'18.91"E	Y1	18°47'27.93"N	73°59'57.53"E
J	18°50'23.29"N	73°59'25.98"E	Z1	18°47'43.60"N	73°59'39.27"E
K	18°50'12.76"N	73°59'45.24"E	A2	18°47'42.28"N	73°59'11.29"E
L	18°50'24.38"N	73°59'44.39"E	B2	18°48'2.18"N	73°59'18.75"E
M	18°50'35.59"N	74° 0'4.63"E	C2	18°48'15.37"N	73°58'56.36"E
N	18°49'47.97"N	73°59'59.72"E	D2	18°48'6.08"N	73°58'37.29"E
O	18°49'49.87"N	73°59'28.15"E	E2	18°48'17.61"N	73°58'24.80"E
P	18°49'36.70"N	73°59'30.50"E	F2	18°47'54.18"N	73°58'21.22"E
Q	18°49'7.86"N	73°59'12.87"E	G2	18°47'53.21"N	73°58'12.37"E
R	18°49'9.14"N	73°58'34.29"E	H2	18°48'1.57"N	73°58'10.79"E
S	18°48'55.09"N	73°58'34.31"E	I2	18°48'13.17"N	73°58'5.31"E
T	18°48'21.83"N	73°59'19.55"E	J2	18°48'35.71"N	73°58'13.81"E
U	18°48'37.13"N	73°59'59.16"E	K2	18°48'48.20"N	73°57'58.92"E
V	18°49'4.65"N	73°59'41.32"E	L2	18°48'44.84"N	73°57'44.53"E
W	18°49'6.89"N	74° 0'9.70"E	M2	18°48'53.22"N	73°57'33.96"E
X	18°49'17.47"N	74° 0'44.77"E	N2	18°48'29.48"N	73°57'26.81"E
Y	18°49'8.80"N	74° 0'54.35"E	O2	18°48'39.14"N	73°57'42.03"E
Z	18°49'21.66"N	74° 1'11.26"E	P2	18°48'19.65"N	73°57'34.56"E
A1	18°49'13.29"N	74° 1'21.05"E	Q2	18°48'10.31"N	73°57'23.24"E

B1	18°49'7.19"N	74° 1'14.71"E	R2	18°48'1.58"N	73°57'1.56"E
C1	18°48'55.00"N	74° 1'6.84"E	S2	18°48'4.49"N	73°56'48.51"E
D1	18°48'53.11"N	74° 0'38.83"E	T2	18°48'18.95"N	73°56'59.35"E
E1	18°48'29.75"N	74° 0'22.86"E	U2	18°48'10.94"N	73°56'44.78"E
F1	18°48'24.27"N	74° 0'48.65"E	V2	18°48'30.78"N	73°57'3.68"E
G1	18°48'11.97"N	74° 0'57.69"E	W2	8°48'26.40"N	73°56'58.49"E
H1	18°48'42.18"N	74° 1'11.84"E	X2	18°48'29.33"N	73°56'49.88"E
I1	18°48'22.36"N	74° 1'16.65"E	Y2	18°48'48.02"N	73°56'57.43"E
J1	18°48'9.22"N	74° 1'22.12"E	Z2	18°48'48.39"N	73°56'46.74"E
K1	18°47'44.19"N	74° 1'26.22"E	A3	18°49'0.13"N	73°56'52.25"E
L1	18°47'23.61"N	74° 1'19.31"E	B3	18°48'57.99"N	73°56'39.41"E
M1	18°47'48.37"N	74° 1'12.22"E	C3	18°48'37.74"N	73°56'27.63"E
N1	18°47'58.32"N	74° 0'45.18"E	D3	18°48'33.52"N	73°56'17.14"E
O1	18°47'32.97"N	74° 0'49.24"E	E3	18°48'40.65"N	73°56'8.84"E
P1	18°47'26.85"N	74° 1'5.26"E			

- (iii) **Site alternatives under consideration:** This is an existing SEZ cum industrial area and project site selection was a strategic decision that involves several criteria with consideration for technical, economic, social, environmental, and political issues. The site was selected considering different indicators, expressed in quantitative and qualitative ways with some possible uncertainty. Hence no alternative site is suggested.
- (iv) **Area (ha)/Length (km) of the proposed project:**1705.62 ha.
- (v) **Connectivity to the site:**The site is located at a distance of 8 km from NH-50 that leads from Pune to Nasik. This distance of 8 km is traversed by SH 54, linking the site to NH 50. The nearest railway station is Pune which is around 50 km from the project site. The nearest airport is also situated in Pune which is around 50 km from the project site. The nearest port is JNPT which is at a distance of 150 km.
- (vi) **Investment/Cost of the project (Rs. in Lakh):**Rs 327431 Lakh. Capital Cost: Rs159715 Lakh (to be invested over development in next 10 year). EMP cost: Rs 48421 Lakh (Capital Cost) & Rs 28940 Lakh (Recurring Cost).

Sl. No.	Particulars	Rs. in Lakhs	Rs. in Lakhs
<b>I</b>	<b>Development Cost</b>		
<b>a</b>	<b>External Infrastructure</b>		<b>38,526</b>
	- Road	558	
	- Power	251	
	-Water Transmission from source	37,718	
<b>b</b>	<b>Internal infrastructure</b>		<b>1,21,189</b>
	- Road	42,507	
	- Water	10,547	
	- Power	11,118	
	- Other Infra Cost incl. Env	57,016	
	<b>Total (a + b)</b>		<b>*1,59,715</b>

*This capex to be invested over development period of 10 years.*

*External Infrastructure is outside the Project area and internal common infrastructure is within the project boundary.*

#### Details of EMP Cost

SI No.	EMP Measures	Capital Cost Rs. In Lakh.	Recurring Cost Rs. In Lakhs
1	Storm Water Management	2895.00	5.0
2	Rain water harvesting	658 .00	5.3
3	Landscaping	2211.00	33.2
4	Solid Waste Management	4397 .00	5.0
5	Sewage Treatment Plan & Recycling Scheme	33250 .00	15.0
6	Renewable Energy	1000 .00	1.5
7	Environnemental Monitoring (viz. AAQ, Noise, Water, Effluents, CER etc)	4010.00	224.4
	<b>Total</b>	<b>48421.00</b>	<b>289.40</b>

(ix) **Item of Schedule to the EIA Notification, 2006:7(c)** Industrial estates/ parks/ complexes/ areas, export, processing Zones, New Construction Projects and Industrial Estates.

(x) **Applicability of General/Specific Conditions as per EIA Notification, 2006:** Yes, It attracts Specific Condition. If any Industrial Estate/Complex / Export processing Zones /Special Economic Zones/Biotech Parks / Leather Complex with homogeneous type of industries such as Items 4(d), 4(f), 5(e), 5(f), or those Industrial estates with pre-defined set of activities (not necessarily homogeneous, obtains prior environmental clearance, individual industries including proposed industrial housing within such estates /complexes will not be required to take prior environmental clearance, so long as the Terms and Conditions for the industrial estate/complex are complied with (Such estates/complexes must have a clearly identified management with the legal responsibility of ensuring adherence to the Terms and Conditions of prior environmental clearance, who may be held responsible for violation of the same throughout the life of the complex/estate.

(xi) **Why appraisal/ approval is required at the Central level:**The area of Industrial estates is greater than 500 ha and there are some project Categorized as Category-B industry.

(xii) **Whether project involves any violation under notification S.O 804(E) dated 14.03.2017:** No.

(xiii) **Landuse/Landcover of project site in tabular form:**

SI. No.	Land use / Land cover	Existing Land Use		Additional Area	Proposed Land use	
		Area (Ha)	%		Area (Ha)	%



1	Industrial	175.83	60.55	697.22	873.05	51.18
2	Amenities/ Utilities	17.57	6.05	75.52	93.09	5.45
3	Roads	37.53	12.92	44.39	81.92	4.80
4	Supporting activities for residential and commercial	17.77	6.12	315.68	333.45	19.55
5	Open Spaces	41.67	14.35	133.44	175.11	10.29
6	Authorized area under KDL	....	....	149.00	149.00	8.73
Total		290.37	100	1415.25	1705.62	100

- (xiv) **Landuse/Landcover around 10 km radius of project site:** Not applicable.
- (xv) **List to industries to be housed with the proposed project site, only for projects covered under 7(c) category of EIA Notification, 2006:** Provided the detailed list of Industries.
- (xvi) **Terrain and topographical features:** The lands proposed are barren, uncultivable and non-irrigated. The topography is undulating with low soil depth. The soil shows slow humus content and soil moisture.
- (xvii) **Details of water bodies, impact on drainage, if any:** Some of the northern and eastern parts of the area are draining into Vel River, on the other hand southern and western boundaries show drainage courses joining the Bhima River. Most of the streams rising from the plateau are seasonal due to semi-arid climate.
- (xviii) **Water requirements, sources (during construction and operation phases) and NOC:** The water requirement of the project is 75.40 MLD and water will be drawn from Bhima River and Chaskaman dam. Necessary permission for 50.77 MLD is in place. Ground water will not be abstracted during construction & operation phase of the project. Surface water from Chaskaman dam of 50 MLD and Watekarwadi K.T. weir on Bhima River of 0.77 MLD will be transfer to proposed Industrial Township. The balance water required will be made available from the Chas Kaman Dam in future.
- (xix) **Groundwater extraction/usage and NOC/Clearance from CGWA/State Ground Water Department:** Ground water will not be abstracted during construction & operation phase of the project.
- (xx) **Whether the project is in Critically Polluted area:** No.
- (xxi) **Tree cutting, types, numbers, girth size etc.:** Yes. In light of development, some trees were fallen with due permission to clear up the area. The details are as follows:
- No of trees felled outside project area: 62 (widening of SH 54. SH 103)

- No of Trees Felled within Project Area: 1027 (With Girth around 10 cms, mainly non-scheduled species)
- No of Trees Transplanted: 45
- Total No of Impacted trees: 1072

All existing trees at site have been tagged with GPS and their girth's diameters are recorded. Total number of existing trees recorded is 22148.

- (xxii) **Whether the project involves diversion of forest land: If yes, provide the extent of the forest land involved and status of the forest clearance:** No.
- (xxiii) **Whether the project is located within 10 km of Protected Areas (PA) including National Parks, Sanctuaries and Tiger Reserves etc.: If yes, provide details of the PA, distance from project site and status of clearance from National Board for wild life.:** No.
- (xxiv) **Whether the project is located within the Eco-Sensitive Zone (ESZ) or Eco-Sensitive Area (ESA) notified by the MoEF&CC: If yes, provide the status of recommendation of the Monitoring Committee of ESZ/ESA.:** No.
- (xxv) **CETP: Provide details type and quantity of effluent, effluent conveyance system from the member units to CETP with CETP's Capacity.:** All individual units will ensure that their unit is based on "Zero Waste Discharge Philosophy" by setting up Septic Tank and set up Sewage Treatment System within their land to meet the environment norms at its cost. During operation phase, the Wastewater collection & conveyance system, treatment & disposal arrangement will be maintained by respective units. Treated wastewater will be used for landscaping and flushing purposes. The sludge generated would be sent for composting after drying. After preliminary treatment effluent from each industrial unit will be sent to Common Effluent Treatment Plant (CETP) for secondary and tertiary treatment as and when required. The ETP of the required capacity will be installed to treat the industrial waste water from the processing area. The effluent from the industry will be passed through bar screen and grid chamber to remove solid and unwanted material. Then it will be passed through oil and grease trap to remove oil and grease. Then it will be transferred to neutralization or equalization tank to maintain the flow and adjusting pH.
- (xxvi) **STP: Provide details of treatment and usage of treated sewage with STP's capacity.:** Individual industrial unit holder /sub-lessee will set up and operate ETP and STP in accordance with EP Act 1986, Water Act 1974, and Air Act 1981. Zero liquid discharge schemes will be adopted by individual industrial unit holder/ sub- lessee. The size and capacity of Sewage treatment plant shall be determined by the estimated volume of sewage generated from residences, businesses, and industries of individual units. The sewage will be first passed through a Bar Screen Chamber where any extraneous / floating matter would get trapped. Status of Sewage Treatment Facility for Existing Projects Given below.

#### Industries at DTA-1

SI No.	Name of Unit	Sewerage load[CMD]	Disposal
1	M/s Lenze Mechatronics Pvt. Ltd.	3.0	Soak Pit
2	M/s 9 Planets Products Private Ltd.	8.0	Soak Pit
3	M/s Linhoff India Pvt. Ltd.	15.0	Modular STP
4	M/s Numen India Solutions Pvt. Ltd.	1.8	Soak Pit

5	M/s JSW MI Steel Centre Pvt. Ltd.	6.8	Modular STP
6	M/s Maico Ventilations Pvt. Ltd.	2.5	Soak Pit
7	M/s Hira Technologies Pvt. Ltd.	1.2	Soak Pit
8	M/s Alco Steels Pvt. Ltd.	1.5	No water connection obtained
9	M/s Gedia India Automotive Components Private limited.	2.5	Modular STP
10	M/s Shreenath Metals	5.0	Soak Pit
11	M/s KalyaniTechnoforge Ltd.	3.0	Soak Pit
Total		50.30	

#### Industries at DTA-2

SI No.	Name of Unit	Sewerage load [CMD]	Disposal
1	M/s Raj process equipment and Systems Pvt. Ltd.	0.9	Soak Pit
2	M/s Kaas footwear Industries Pvt. Ltd	5.0	Soak Pit
3	M/s MARS International Pvt. Ltd.	10.0	Modular STP
4	M/s Hyosung T&D India Pvt. Ltd.	4.5	Modular STP
5	M/s Autogen India Pvt. Ltd.	4.0	Soak Pit
6	M/s Onkar Dies Pvt. Ltd.	2.6	Soak Pit
7	M/s Maxion Wheels Aluminum India Pvt. Ltd.	20.0	Modular STP
Total		47.0	

The Sewage quantities indicate that there is no sufficient load for commissioning central STP at this point of time. However, M/s. Khed Economic Infrastructure Pvt. Ltd is in progress to install a common Sewage treatment Plant of 35 KLD (MBBR Technology) for the small unit operating inside the project area. This method makes it possible to attain good efficiency results of disposal with low energy consumption. This process is used for the removal of organic substances, nitrification and denitrification. The MBBR system consists of an activated sludge aeration system where the sludge is collected on recycled plastic carriers. These carriers have an internal large surface for optimal contact water, air and bacteria. The bacteria/activated sludge grow on the internal surface of the carriers. The bacteria break down the organic matter from the waste water. The aeration system keeps the carriers with activated sludge in motion. Only the extra amount of bacteria growth, the excess sludge will come separate from the carriers and will flow with the treated water towards the final separator. The system can consist of a one stage or more stage system (see underneath schedule), depending on the specific demands. The specific bacteria remain in their own duty tank because of the fact that the carriers remain in only 1 tank, protected by screens.

(xxvii) **R&R issues involved, if any:** Some of the salient features of the R&R Package as approved by the High Power Committee which are compiled in to by KEIPL are as follows:

- Monetary compensation for the Private Land at negotiated price including valuation for damage to standing crops and trees at fair market rate;
- Employment opportunity or provision of suitable training for other business

opportunity to at least one member from each Project Affected Persons' family;

- House/Plot to be provided to those who are being displaced from their homes. Provision of basic services and facilities in the resettlement colony like Water Supply, Road, Electricity, Schools, Health centre, Anganwadi centre, Community Hall, Common land for social/cultural events, Cremation & burial ground, Panchayat Office;
- Rental allowance for tenants staying at house which is being acquired as part of land;
- Shifting allowance of Rs.10,000/-to each displaced families;
- Subsistence allowance of Rs.65/- (per day)for a period of 600 days to each of the Project Displaced Persons' families;
- Capacity building and skill building opportunity to at least one eligible member from each family for Vocational Course, Technical Course, English Conversation, Personality Development, Income generation courses for women (Beautician, Tailoring etc.) etc.;
- Provide guidance in respect of Personal Finances & Wealth Management through financial experts;
- Provision/up-gradation of (any two) basic services in the project affected village from provisions like Water Supply, Electricity, Road network School, Health centre, Anganwadi centre, Sanitation and Community Hall;
- Provision for 'top of the line' school for providing superior education to children from farmers/Project Affected Person families;
- Strengthening/up-gradation of infrastructure in Primary Schools in the villages; etc.

(xxviii) **Employment potential, No. of people to be employed:** The proposed project will provide employment to people during its construction and operation phase. Employment or provision of suitable business opportunity to at least one member from each PAF. [Project Affected Family] Type of employment or business opportunity envisaged to match the skill and potential of the member and available options. It is expected that, during construction phase the requirement of labour will be 200-300 persons per day. Local labours will be employed from the surrounding villages. A temporary labour camp also may be provided as per the situation. However, the responsibility of constructing a labour camp, if the need be, will lie with the Civil contract awardees. During Operational phase, there will be both Direct and Indirect employment generation. About 25-30 persons will be directly employed by project itself for maintenance of the industrial area, out of which 5-10 persons will be skilled labor. The overall employment generation in the project area by the proposed industries is estimated to be in the region of about 3.0 Lakh.

(xxix) **Benefits of the project:** The project will benefit to region and country inform of following parameters.

- Health Profile
- Educational profile

- Socio -Cultural aspects
- Livelihood of public
- Adaptation to Physical environment – occupational changes
- Change in agriculture ratio, pattern, revenue and socio-economics of the farmers
- Ecosystem preservation through tradition
- The project will benefit to region and country inform of following parameters
- In the last two decades or so, Pune has seen a virtual transformation. Evolving from a charming laid-back town that offered stressed Mumbaikars a pleasant weekend getaway to a mini metro bustling with industrial activity. Pune's industrial area has seen a major wave of change and Khed City acts as a catalyst to such wave.
- Pune is otherwise called the Detroit of India due to an enormous number of automobile producers in Pune. The city is likewise known for its different social activities and openings for work that pulls in under studies from all over India and abroad making the city an amalgamation of numerous societies and communities. It is one of those uncommon urban cities with a twin picture: One of a custom bound place, by and large, considered the core of Marathi culture and that of a modern industrial city.
- Khed City is becoming one of the most livable industrial clusters in Pune, millions of people owing to its youthful vibrance, legendary cultural heritage, conducive climate and a plethora of career opportunities. The last decade have witnessed a huge surge in the industry and entrepreneurial set up in the city, being turned as an engineering and automotive hub. Not only, engineering and auto firms ensures the economic and skilling additions to the region, the food processing and agro based industries also acts as a helping hand to enhance the life of agriculture ratio, pattern, revenue and socio-economics of the farmers and the neighbourhood areas.
- Khed City shall add immense value to the project and connect the last dot in building a fruitful and mutually beneficial industrial business ecosystem of Pune City.
- With global industry behemoths choosing to set up manufacturing bases in and around Pune, Khed City is a prime location for all such leading manufacturers foreseeing a major contribution to the state of Maharashtra and thereby country's economy.
- Social Benefits:
- Employment Generation: The project will provide employment to a large number of local people. Skilled, semi-skilled and unskilled man power will be utilized during construction and operation phase. This will positively impact the economic condition of the study area.
- Microclimate improvement of the surrounding: Due to

	<p>increase/enhancement of the forests and greenery, the project area will possess an enriched ecological profile with significant improvement in micro-climate.</p> <ul style="list-style-type: none"> <li>• Improvement in the health and educational profile of the area: The development of planned residential and industrial growth shall necessitate the erection of education and health infrastructure. The project will undertake their creation with quality.</li> <li>• Improvement in infrastructure facility: In order to facilitate the industries in the SEZ area and in order to enhance their productivity, it is proposed to improve existing connectivity and add green-field connectivity projects</li> <li>• Financial Benefits</li> <li>• Economy improvement: After implementation of the Project, a host and variety of industries will be established in the area. This will give rise to employment to the local people. The industrial development will also promote allied businesses and facilities in the area. This will result in considerable improvement in the economic condition of the study area.</li> </ul> <p>(xxx) <b>Details of Court cases, if any:</b>Nil.</p> <p>(xxxi) <b>Reasons for Delay in Development of Acquired Area:</b> Factors that influenced the development in last 10 years: Projects of this nature and scale are capital intensive and involves/requires active and timely participation/decision of various stakeholders, including Government authorities/ agencies/ market response such as investment scenario/ demand for such land parcels and supply / availability of land parcels, industrial eco system in the vicinity, legal system etc., Khed City is not an exception and has passed through all the challenging times.</p> <p>(xxxii) Submitted details of greenbelt development and areas in which this development has taken place in tabular form and on map as well.</p> <p>(xxxiii) Submitted the R&amp;R implementation status along with documentary proof.</p> <p>xxiv) <b>Revised layout showing sector wise zonation of proposed industries:</b> Considering topography and morphology of the area with a difficult terrain as such, it is not feasible to plan Industrial Category wise Sector within the project area. Further, the demand for land size is another aspect, for which category wise zonation cannot be possible for the unused project area. However, the total project area is broadly having the zones defined for specific utilization as given in the attached plan. Further, a micro level plan shall be prepared based on the Development Control Regulations approved by the Maharashtra Industrial Development Corporation.</p> <p>xxv) <b>Explore the possibility to avoid establishment of pharmaceutical and high-water consuming industries within the proposed industrial area:</b> We are continuing the sectors' approved as in the prior EC. No new sector has been included in the expansion application. No chemical industries are proposed under Pharmaceutical category. Only formulation unit is proposed as per continuation with prior EC.</p> <p>xxvi) <b>Total water demand is 75.40 MLD and permission of 50.77 MLD is available. Proponent is required to indicate the source of water to meet the balance water demand:</b> Currently, with 24 operational units, water demand is approximately 0.53 MLD. Company has aggregate allocation of</p>
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	<p>about 50 MLD, as per the current estimates these allocated capacity will take as about 12 to 15 years. As the demand reaches to nearing saturation stage i.e., about 75% of allocated capacity, the company would approach the authorities for enhanced allocation from Chaskaman dam, having sufficient capacity, to meet the increased demand. Also provided year-wise projected planned water demand upto 2034-35.</p> <p>(xxvii) <b>Distance between commercial and residential establishments within the proposed Multi-product SEZ:</b> Development of Khed City are guided by Development Control Regulations of MIDC as MIDC is the Special Planning Authority for the Project. All our development plans are prepared accordingly as per MIDC DCRs. As per the provisions of clause 23.5(f) and 24.4.1 of MIDC DCR, it is required to maintain a distance of 24m distance between industrial establishments and residential Zones.</p> <p>(xxxviii) Provided the copies (of first page) of consent CTO of existing industries.</p> <p>(xxxix) <b>Disposal of bio-medical waste, e-waste and hazardous waste:</b> The responsibility has been imposed on the Individual plot holder in Khed City while executing sublease agreements with the unit holders. The individual industry will handle the E-waste as per provision under E-Waste management and Handling Rule-2016. The Bio-Medical Waste Management Rules, 2016 shall be followed for handling and management of said waste.</p> <p>(xl) Submitted a notarized affidavit as desired by EAC during last EAC meeting as mentioned above.</p>
<p><b>3.4.2</b></p>	<p>The EAC, after deliberation during 235<sup>th</sup> EAC meeting held on 26<sup>th</sup> May, 2020, has observed that Ministry, vide letter no. 21-944/2007-IA.III dated 20<sup>th</sup> May, 2010, granted Environmental Clearance for the development of multi-product SEZ at Khed, District Pune, Maharashtra by Khed Economic Infrastructure Private Limited (KEIPL), a Joint Venture of the Kalyani Group and Maharashtra Industrial Development Corporation - A Maharashtra Government Undertaking. The EC was granted for development of 4500 ha area comprising 2000 ha of processing area, 2000 ha of non-processing area and 500 ha of Domestic Tariff Area (DTA). This EC was further extended on 19<sup>th</sup> February, 2016 for two years and then on 11<sup>th</sup> August, 2017 for further three years with validity up to 19<sup>th</sup> May, 2020.</p> <p>At the time of grant of EC on 20<sup>th</sup> May, 2010, the Government of Maharashtra had acquired only 1705.62 ha land that was handed over to KEIPL for development of the said Multi-product SEZ. However, proponent could develop a part of the land, i.e. 290.37 ha. Before the expiry of the EC, application was submitted on 12<sup>th</sup> May, 2020 afresh for expansion of Multi-product SEZ for entire land (comprising balance land of 1415.25 ha).</p> <p>Existing EC is construed to 290.37 ha only. Therefore, the present application is to be considered for expansion of the existing development from 290.37 ha to 1705.62 ha.</p>
<p><b>3.4.3</b></p>	<p>In view of above mentioned observations, the EAC, after detailed deliberation during its 235<sup>th</sup> meeting held on 26<sup>th</sup> May, 2020, has <b>deferred</b> the proposal for want of following additional information:</p> <ul style="list-style-type: none"> <li>(i) Reasons for delay in development of acquired area.</li> <li>(ii) Green belt plan along with plantation layout within the project area.</li> </ul>

	<ul style="list-style-type: none"> <li>(iii) R&amp;R implementation status along with documentary proof.</li> <li>(iv) Revised layout showing sector wise zonation of proposed industries.</li> <li>(v) Explore the possibility to avoid establishment of pharmaceutical and high-water consuming industries within the proposed industrial area.</li> <li>(vi) Total water demand is 75.40 MLD and permission of 50.77 MLD is available. Proponent is required to indicate the source of water to meet the balance water demand.</li> <li>(vii) Distance between commercial and residential establishments within the proposed Multi-product SEZ.</li> <li>(viii) Copies of consent details(CTE/CTO) of existing industries.</li> <li>(ix) Construction details of CETP/STP for existing industries.</li> <li>(x) Copies of agreement letters in respect of disposal of bio-medical waste, e-waste and hazardous waste.</li> </ul> <p>Submit notarised affidavit stating: (a) the number of industries already established and total area developed on or before the expiry of EC, i.e., 19<sup>th</sup> May, 2020; (b) the total area to be developed afterwards; and (c) that there is no violation has been done by the project proponent.</p>
<p><b>3.4.4</b></p>	<p>The EAC, after detailed deliberations during 237<sup>th</sup> meeting held on 29 June, 2020, observed following:</p> <ul style="list-style-type: none"> <li>(i) The proponent has provided all the desired information, clarifications and documents as per 235<sup>th</sup> EAC meeting held on 26<sup>th</sup> May, 2020.</li> <li>(ii) The Ministry, vide letter no. 21- 944/2007-I-A-111 dated 20<sup>th</sup> May, 2010, has already granted EC to M/s KEIPL for development of Khed City Industrial Park for an area of 4500 ha, of which only 1702.62 ha could be acquired and handed over to proponent by MIDC. Out of this, proponent could develop only 290.37 ha due to various reasons already explained before EAC during this EAC meeting.</li> <li>(iii) No new sector has been included in the expansion application. No chemical industries are proposed under Pharmaceutical category. Only formulation unit is proposed as per continuation with prior EC.</li> <li>(iv) Total 1072 trees were affected. All existing trees at site have been tagged with GPS and their girth's diameters are recorded. Total number of existing trees recorded is 22148. Total 98290 saplings have been planted covering an area of 132.289 ha within the project site. Total 13024 tree saplings and 50735 shrubs have been planted in other project areas (522.711 acres).</li> <li>(v) All the drainage systems within the project site are to be maintained and necessary actions to be taken for the protection of the same. The detailed layout of land use to be checked so that no drainages are altered for the proposed project.</li> <li>(vi) The project area has undulating terrain and it is important to have a detailed hydrological and hydrogeological studies on the catchment area of the drainage system within the core zone of the project area. Special water quality issues need special attention to avoid any water pollution.</li> <li>(vii) Total water demand is 75.40 MLD and permission of 50.77 MLD is available.</li> </ul>



	<p>How the proponent is going to meet the balance water demand. Future assurance of water demand without any commitment letter from concerned authorities may pose problem.</p> <p>(viii) Water demand of 2.38 MLD for fire extinguishing is not justified as this demand is only on emergent situation. This quantum should not be included in water balance.</p> <p>(ix) A detailed plan on how ZLD would be achieved to be prepared and submitted? Disposal of sewage waste by the existing industries in soak pits may contaminate ground water in long run. Proponent should take detailed study on impact on ground water quality due to sewage disposal in soak pits.</p> <p>(x) Proponent shall explore the possibilities for maintaining distance of 50m between the commercial and residential establishments within the proposed Multi-product SEZ</p>
<p><b>3.4.5</b></p>	<p>In view of above mentioned observations and rule position during detailed deliberations in 237<sup>th</sup> meeting held on 29<sup>th</sup> June, 2020, the EAC <b>recommended</b> the project for grant of <b>Terms of Reference (ToR) for expansion of project (290.37 ha to 1702.62 ha)</b>, for preparation of EIA/EMP report with public consultations, subject to the standard ToR applicable for such projects and specific conditions, as mentioned below:</p> <p>(i) The planning of Industrial Estate should be based on the criteria mentioned in this Ministry's Technical EIA Guidance Manual for Industrial Estate (2009) as well as CPCB's Zoning Atlas Guidelines for siting industries.</p> <p>(ii) Provide a note on present status of ongoing or disposed court cases related to the industrial park and this expansion project.</p> <p>(iii) Submit the certified compliance report for earlier EC conditions site visit report of development on 290.37 ha area.</p> <p>(iv) Explore the possibility of maintaining 50 m green belt between industrial units and residential areas within the proposed project and also to establish green category industries along the residential areas.</p> <p>(v) No water polluting/chemical industries shall be established. Only pharmaceutical formulation units be allowed in the proposed industrial park.</p> <p>(vi) Proponent shall explore the possibility of reducing the water requirement.</p> <p>(vii) Provide a scheme to achieve ZLD for industrial effluent as well as for utilization of treated sewage. Approval for the same should be obtained from the SPCB.</p> <p>(viii) The project area has undulating terrain and it is important to have a detailed hydrological and hydrogeological studies on the catchment area of the drainage system within the core zone of the project area. Special water quality issues need special attention to avoid any water pollution.</p> <p>(ix) The activities and budget earmarked for Corporate Environmental Responsibility (CER) shall be as per ministry's O.M No 22-65/2017-IA.III dated 1st May, 2018 and the action plan on the activities proposed under CER shall be submitted at the time of appraisal of the project included in the EIA/EMP Report. The focus can be given to water conservation and agriculture.</p> <p>(x) The PP shall not use groundwater without obtaining approval from</p>

	<p>CGWA/SGWA as the case may be. The project proponent shall obtain necessary permission from Competent Authority to use surface water.</p> <p>(xi) A detailed biodiversity checklist and surrounding habitat improvement plan to be prepared.</p> <p>(xii) Plan for afforestation should be such that it is free of pesticides with flowering plants of native species for attracting bees and insects which in turn is beneficial to the agriculture. Farmers around the project site be involved in developing such a plan.</p> <p>(xiii) The Action Plan on the compliance of the recommendations of the CAG as per Ministry's Circular No. J-11013/71/2016-IA.I (M) dated 25th October, 2017 needs to be submitted at the time of appraisal of the project and included in the EIA/EMP Report.</p>
<b>3.5</b>	<p><b>Development of Satellite Town Ring Road (STRR) Phase-III of Bengaluru (NH-948A) from Peddamadhagondapalli, Karnataka/Tamil Nadu border (km 140.000) to Deeviripalli (km 179.969) in District Krishnagiri, Tamil Nadu by M/s National Highways Authority of India – Environmental Clearance</b></p> <p><b>[Proposal No.: IA/TN/MIS/75239/2018] [File No.: 10-35/2018-IA.III]</b></p>
<b>3.5.1</b>	<p>The project proponent along with the EIA consultant M/s Louis Berger Consulting Private Limited, made a presentation through Video Conferencing and provided the following information:</p> <p>(i) <b>Brief description of the Proposal:</b> The development of Economic Corridor under Bharatmala Pariyojna, NHAI is undertaking "Satellite Town Ring Road (West Side), a newly declared highway as NH-948A". The proposed project starts from Ch.0.000 in Dabaspet and ends at Ch.179.969 near Devarapalli village in Tamil Nadu/Karnataka Border. The project road is entirely a new Greenfield highway. The project road is falling in two states viz. Karnataka (length 134.942 km) and Tamil Nadu (length 45.027 km).</p> <p>(ii) <b>Nature of project (New/Expansion/Amendment/Extension etc.):</b> The project road is a new Greenfield highway.</p> <p>(iii) <b>Whether the proposal was considered in earlier meetings of EAC: If yes, provide date of EAC meeting and reasons for deferment, if any:</b> No.</p> <p>(iv) <b>Whether proposal is part of interlinked project: If yes, provide details in brief:</b> No.</p> <p>(v) <b>Address of project site (Plot No./Village/ Tehsil/ District/State):</b> PIU Bengaluru, Sy. No. 13, 14th km, near Deepak Bus stop, Nagasandra, M.S Ramaiah Enclave, Bengaluru – Tumkur Road (NH-4) Bengaluru-560073.</p> <p>(vi) <b>Geo-coordinates of project site:</b>  Starting point 77°53'22.84"E 56"N 77°44'18.46"E  End point 12°38'10. 12°52'16.64"N</p> <p>(vii) <b>Area (ha)/Length (km) of the proposed project:</b> Area (ha) 351.30 /</p>

Length (km) 39.969.

- (viii) **Connectivity to the site:** Bangalore-Chennai.
- (ix) **Investment/Cost of the project (Rs. in Crores):** INR 756.68 crores (Approximately).
- (x) **Item of Schedule to the EIA Notification, 2006:** 7 (f).
- (xi) **Why appraisal/ approval is required at the Central level:** As per EIA Notification said the project is Category (A).
- (xii) **Applicability of General/Specific Conditions as per EIA Notification, 2006:** No.
- (xiii) **Whether project involves any violation under notification S.O 804(E) dated 14.03.2017:** No.
- (xiv) **Landuse/Landcover of project site in tabular form:**

Landuse/ Land Cover	% occupied	Area (Ha)
Cultivated	92%	106591.6572
Barren Land	2%	2317.20994
Plantation	2%	2317.20994
Forest	1%	1158.60497
Settlement	1%	1158.60497
Water	2%	2317.20994
<b>Total</b>	<b>100%</b>	<b>115860.497</b>

- (xv) **Landuse/Landcover around 10 km radius of project site (1 km in case of Highway projects):**

Landuse/LandCover	% Coverage	Area(Ha)
Barren land	6%	415.673
Forest	1%	76.702
Plantation	1%	105.022
Settlement	2%	121.342
Water	3%	240.745
Agriculture	87%	6346.597
<b>Total</b>	<b>100</b>	<b>7306.080</b>

- (xvi) **Right of Way (RoW), only for projects covered under 7(f) category of EIA Notification, 2006:** Right of Way (ROW) requirement of 70 m.
- (xvii) **Terrain and topographical features:** The district is carved out of Dharmapuri district as 30th district of Tamil Nadu. Krishnagiri district is located at the northwest corner of Tamil Nadu in between 11° 12'N to 12° 49'N Latitude, 77° 27'E to 78° 38'E Longitude. The district shares the boundaries of Vellore and Thiruvannamalai districts in the East, Bangalore Urban district of Karnataka state in the West, Chittoor district of Andhra Pradesh in the North and Dharmapuri District in the south.

The district forms part of the upland plateau region with many hill ranges and undulating plains. The western part of the district has hill ranges of Mysore plateau with a chain of undulating hills and deep valleys extending in NNE-SSW direction. The South Pennar River irrigates the flatlands. The climate condition of the district is hot and dry in summer i.e. from March to May. In winter, it is very cold and misty i.e. from November to February.

(xviii) **Details of water bodies, impact on drainage, if any:** There are two natural streams, one canal and one river is falling along the alignment. The Bridges and cross drainage structures have been provided to avoid the impacts on drainage.

(xix) **Water requirements, sources (during construction and operation phases) and NOC:**

Sr. No	Phase	Water Requirement (L/Day)	Remarks
1	Construction Phase for Construction	1131839	Source will be decided by the contractor at the time of construction.
2	Construction Phase for Workers and labor camp	1157680	Source will be decided by the contractor at the time of construction.
3	Operation Phase	2760	Ground Water.

(xx) **Groundwater extraction/usage and NOC/Clearance from CGWA/State Ground Water Department:** Ground water table in the project area varies between 5m to 20m. Main source of water in the nearby villages is groundwater. If Groundwater will be extracted by contractor during construction, the necessary permit and NoC will be obtained by contractor from CGWA/State ground Water Department.

(xxi) **Whether the project is in Critically Polluted area (Yes or No. If yes, provide brief details):** No.

(xxii) **ToR details: Provide Date of ToR issued and details of earlier appraisals and information sought by the EAC along with the response given, if any:** Provide Date of ToR issued and details of earlier appraisals and information sought by the EAC along with the response given, if any: The ToR was considered by MOEF&CC in its 195<sup>th</sup> meeting held during 30-31<sup>st</sup> August 2018. The ToR was issued on 23<sup>rd</sup> January 2019.

**(a) Public Hearing Details:**

**(b) Date(s) and Location(s):** 31st May, 2019 at 10:30 am in the District Forest Officer Complex, Mathigiri Cattle Farm (P.O), Mathiri, Hosur Taluk, District Krishnagiri, Tamil Nadu.

(xxiii) **Summary of issues raised and response/commitments by Proponent:** The major issues raised during public hearing was issues of land, properties, water bodies, employment, and pollution during construction stage. The concern of the people recorded and considered in design for implementation and mitigation.

(xxiv) **Whether the project involves diversion of forest land: If yes, provide the extent of the forest land involved and status of the forest clearance.:** No.

(xxv) **Whether the project is located within 10 km of Protected Areas (PA) including National Parks, Sanctuaries and Tiger Reserves etc.: If yes, provide details of the PA, distance from project site and status of clearance from National Board for wild life.:** No.

(xxvi) **Whether the project is located within the Eco-Sensitive Zone (ESZ) or Eco-Sensitive Area (ESA) notified by the MoEF&CC: If yes, provide the status of recommendation of the Monitoring Committee of ESZ/ESA:**No.

(xxvii) **Waste Management: Provide details of waste water quantity, treatment capacity, recycling/reuse of treated water and disposal, Solid Waste Management, and Hazardous Waste Management.:**  
**Waste water quantity: Solid Waste Management: Hazardous Waste Management:**

Phase	Wastewater Generated (L/Day)
Construction Phase for Workers and labor camp	126144
Operation Phase	2208

(xxviii) **Details of tree cutting and Green belt development.:** Total 12111 trees will be felled. Provision of compensatory plantation and green belt development if space is available for plantation.

(xxix) **Energy conservation measures with estimated saving.:** DG sets will be used as source of energy.

(xxx) **Parking requirement with provision made.:** NA.

(xxxi) **Details of Rain Water Harvesting.:** Total 80 rainwater harvesting structures will be provided.

(xxxii) **Brief description of Socio-economic condition of local people and R&R issues involved, if any:** The total affected persons are 206. The impacted persons are calculated based on affected persons and structures. Apart from this there are 16 community properties. Also, there are 93 minor assets like hand pump, bore well pump house etc. Approximately a total number of 55 kiosks and local mobile vendors are

affected. The total land need to be acquired for the proposed project is 351.30 Ha.

(xxxiii) **Employment potential, No. of people to be employed:**

Employment	No of Persons
Construction Phase	2628
Operation Phase	23

(xxxiv) **Benefits of the project:** Construction of new road will provide better, fast, safe and smooth connectivity for the commuters between the two states of Karnataka and Tamil Nadu as well as in the region. Smooth and fast moving traffic will cause lower pollutant emissions thereby reducing pollution levels. Accident rates are also expected to be under control due to enhanced road safety measures. Development of the proposed project road will boost the local agriculture and enable farmers to realize better value for their products as well as attract more investment to that region. The vehicle operating and maintenance cost is expected to go down substantially. The proposed road alignment will also include general amenities like rest areas, at built-up locations, pedestrian underpasses, landscaping and tree plantation, traffic aid post, emergency telecom system, emergency medical aid post, street light at built ups etc. and thus overall facilities to the road users shall improve. People will have increased access to better social and health infrastructure and other services located outside the project area. This will in turn lead to overall improvement of the quality of life of people residing in the project zone in terms of their economic, social and health status. Growth of local tourism and resultant boost to local economy is also expected due to proposed project.

(xxxv) **Brief summary of specialised Studies carried out for the project as per the ToR, if any:** NA.

(xxxvi) **Details of Court cases, if any:** No.

3.5.2 The EAC, after detailed deliberation during its 237<sup>th</sup> meeting on 29<sup>th</sup> June, 2020, **recommended** the project for grant of **Environmental Clearance**, with the following specific conditions in addition to all standard conditions applicable for such projects:

- (i) This Environmental Clearance is subject to outcome of court cases pending against the project proponent at Hon'ble Supreme Court of India / High Court / other Courts, if any.
- (ii) The recommendations of Cumulative Impact Assessment studies for all the packages shall be provided (to the concerned Regional Office of the MoEF&CC) along with application for last package of proposed Highway along with the monitoring reports submitted time to time.

	<p>(iii) Detailed plan of expenditure with implementation schedule to address issues raised during Public Hearing shall be prepared and submitted to the Regional Office of this Ministry within three months. The proponent shall adhere the strict compliance of above plan to utilize funds as per schedule.</p> <p>(iv) No Ground water shall be extracted and used. Approval/permission of concerned authority shall be obtained before drawing surface water from canal or any other sources. State Pollution Control Board (SPCB) concerned shall not issue Consent to operate (CTO) till the project proponent obtains such permission(s).</p> <p>(v) All the major, minor bridges and culverts should not affect the drainage systems. Flood plains of the rivers/ drainage systems are not to be disturbed.</p> <p>(vi) All the RWH structures should be provided with oil separator so as to prevent ground water being contaminated.</p> <p>(vii) The proponent shall obtain permission from the competent authorities for tree felling along the proposed alignment.</p> <p>(viii) Proponent shall plant 36333 trees of native species (three times of 12111 tree to be cut) on either side along with the shrub plantation and grass carpeting in median of the proposed alignment. A comprehensive plan for plantation using native species shall be provided as per the IRC Guidelines on Landscaping and Tree Plantation (2009). Effort should be made to plant local fruit trees and Ficus species on both sides of the alignment.</p> <p>(ix) Quarry areas shall be developed as water reservoirs with proper fencing around quarry area. Rain water harvesting pit shall be at least 3 - 5 m above the highest ground water table. Provisions shall be made for oil and grease removal from surface runoff. Rainwater harvesting structures shall be provided near the disposal point of the side drains as prescribed by CGWB guidelines.</p> <p>(x) As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May, 2018, and proposed by the project proponent, an amount of Rs. 7.57 crores (computed on slab basis for total budget of Rs. 756.68 crores) shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as support to Panchayats/local government, schools w.r.t. sanitation, health and hygiene, construction of public toilets in the surrounding villages, medical camps, rainwater harvesting, Installation of street lights in nearby villages as per requirement, rejuvenation and creation of water ponds, augmentation of drinking water facilities and provision of solid waste facilities viz. vermicompost and safe drainage of waste water in consultation with concerned Panchayats. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as a project and be monitored. The monitoring report shall be submitted to this Ministry's Regional Office concerned as a part of half yearly compliance report, and to the concerned authorities including District Collector. It should be posted on the website of the project proponent.</p> <p>(xi) The RoW shall not exceed 70m at any point of the proposed 8-lane alignment, except for the junction improvement at the intersections of the other roads.</p>
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	Standardisation of ROW for plain land and forest land to be defined and to be remain constant for all the packages.															
<b>3.6</b>	<b>Development of Dighi Port based Industrial Area at Taluka Mangaon and Roha, District Raigad, Maharashtra by M/s Maharashtra Industrial Development Corporation (MIDC) – Terms of Reference</b> <b>[Proposal No. IA/MH/NCP/135025/2020] [File No. 21-41/2020-IA.III]</b>															
<b>3.6.1</b>	<p>The project proponent along with the EIA consultant M/s Aditya Environmental Services Pvt. Ltd., Mumbai, made a presentation through Video Conferencing and provided the following information:</p> <p>(i) <b>Brief description of the Proposal:</b> The proposal is for the development of the Dighi Port based Industrial Area (DPIA) in Mangaon and Roha talukas of Raigad district in Maharashtra. The total land available for development in the DPIA comprises of 6,460.04 Ha. The proposed development will be carried out by Maharashtra Industrial Development Corporation (MIDC) in two stages. In stage I area of 5040.04 Ha covering 14 villages and 1 village (part) will be developed and in stage II expansion 1420 Ha covering 4 villages and part of 1 village will be developed. The proposed development includes plotting and zoning for Pharmaceuticals (non API), Engineering and Food zone as well as Residential zone within the proposed MIDC area including area development and land infrastructure like roads, water lines, SWDs, power lines, CSTP, MSW management facility, utility areas etc.</p> <p>(ii) <b>Nature of project (New/Expansion/Amendment/Extension etc.):</b> New.</p> <p>(iii) <b>Whether the proposal was considered in earlier meetings of EAC: If yes, provide date of EAC meeting and reasons for deferment, if any:</b> No.</p> <p>(iv) <b>Whether proposal is part of interlinked project: If yes, provide details in brief:</b> Not Applicable.</p> <p>(v) <b>Address of project site (Plot No./ Village/ Tehsil/ District/State):</b> For First stage of development: Villages Raatwad, Koshimbale (Nizampur), Pansai, Kalwan, Nilaj, Ghotwal, Dakhane, Potner, Bhale, Javate, Nizampur, Kandalgaon Budruk from Taluka Mangaon and Jamgaon, Patharshet, Patur from Taluka Roha, District Raigad, Maharashtra. Second stage of development: Villages Bhuvan, Wave Diwali, Bondshet, Kumbhate and part of Ratwad village from Taluka Mangaon, District Raigad, Maharashtra.</p> <p>(vi) <b>Geo-coordinates of project site:</b></p> <table border="1"> <thead> <tr> <th>Direction</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>North east corner</td> <td>18° 22' 48.97"N</td> <td>73° 18' 49.25"E</td> </tr> <tr> <td>North west corner</td> <td>18° 22' 13.49"N</td> <td>73° 15' 2.93"E</td> </tr> <tr> <td>South east corner</td> <td>18° 19' 14.06"N</td> <td>73° 17' 15.79"E</td> </tr> <tr> <td>South west corner</td> <td>18° 18' 56.41"N</td> <td>73° 15' 00.41"E</td> </tr> </tbody> </table>	Direction	Latitude	Longitude	North east corner	18° 22' 48.97"N	73° 18' 49.25"E	North west corner	18° 22' 13.49"N	73° 15' 2.93"E	South east corner	18° 19' 14.06"N	73° 17' 15.79"E	South west corner	18° 18' 56.41"N	73° 15' 00.41"E
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(vii) **Site alternatives under consideration:** The Dighi Port Industrial Area (DPIA) was conceptualized to be developed as one of the major nodes that would be developed as a part of the prestigious Delhi-Mumbai Industrial Corridor (DMIC) Project. The objective was to expand India's Manufacturing & Services base and develop DMIC as a "Global Manufacturing and Trading Hub".

The criteria for selection of land by the State Government were:

- Availability of large quantity of contiguous land
- Availability of ample water, power
- Good connectivity by road, rail, ports
- Availability of gas pipeline etc

The proposed project site is a unique site having:

<b>Government of Maharashtra Criteria for land selection</b>	<b>Features seen on DPIA site</b>
Availability of large quantity of contiguous land	6,500 Ha land available in first phase and additional land available for further expansion in neighboring area
Availability of ample water, power	Kundalika River flows North of site and has good quality water available all through the year which is released from the Bhira Power station. The water reservation of about 102 MLD is available for DPIA area at present. The power supply can be tapped from existing Kandalgaon sub station
Good connectivity by road, rail, ports	The DPIA is strategically located adjacent to the Mumbai-Goa Highway (NH66), the Pune-Kolad Highway (SH60) and the Pune-Roha Highway (SH97). Further, the Konkan Railway passes adjacent to the site and Indapur Railway station is about 1.4km from site. Dighi port is located about 55km and JNPT 100 km from the site. Pune International Airport is about 68km from site and Chhatrapati Shivaji Maharaj International Airport (CSMIA) is located about 88km from site.
Availability of gas pipeline	Dahej – Dabhol Gas pipeline passes through the DPIA site and alternate low pollution fuel source is thus available at site
Willingness of villagers	DPIA encompasses 19 villages and local populace is favouring industrialization. About 60% land acquisition is completed and land owners have given assent letters for the project.

Thus, due to the unique and strategic location, no alternative site was considered.

(viii) **Area (ha)/Length (km) of the proposed project: Total area for proposed**

**industrial development is** 6,460.04Ha (Stage I - 5040.04 Ha & Stage II – 1420 .00 Ha).

- (ix) **Connectivity to the site:** The proposed project is strategically located, the distance of project site from nearest city, railway station, airport is as follows:

Nearest City	Alibaug (District Headquarters) at a distance of about 47 km
Roads	Mumbai-Goa National Highway (NH66), Pune-Kolad Highway (SH60) and Pune to Roha Highway (SH97) pass adjacent to DPIA
Nearest Railway Stations	Konkan Railway passes adjoining the site - Indapur Railway station at about 1.4 km from site boundary - Kolad Railway Station at about 1.8 km from the site boundary
Nearest Airport	Pune International Airport at about 68 km from site boundary Chatrapati Shivaji Maharaj Industrial Area (CSMIA) 88km to North
Port	Dighi port at distance of 55 km JNPT 100 km from the site

- (x) **Investment/Cost of the project (Rs. in Lakh):** Rs. 2,590 Crore (excluding land).
- (xi) **Item of Schedule to the EIA Notification, 2006:** 7(c) Industrial estates / parks / complexes / areas, Export Processing Zones (EPZs), Special Economic Zones (SEZs), Biotech Parks, Leather Complexes.
- (xii) **Applicability of General/Specific Conditions as per EIA Notification, 2006:**Applicable General Condition: The proposed site falls within 10 km of the Notified Tamhini Wildlife Sanctuary. The draft Notification of ESZ for Tamhini WLS is published on 10<sup>th</sup> August 2017 vide S.O 2567 (E). Final ESZ is awaited. Applicable Specific Condition: Nil
- (xiii) **Why appraisal/ approval is required at the Central level:** As per the EIA Notification, dated 14.09.2006 and subsequent amendment the proposed DPIA project comes under Category A of item no. 7(c) of Schedule. Since proposed area for industrial development is 6460.04 ha. and few industries of Category-B as per schedule of EIA notification 2006 are anticipated, the proposed development requires Environmental Clearance from Central level - Ministry of Environment Forest & Climate Change (MoEF&CC).
- (xiv) **Whether project involves any violation under notification S.O 804(E) dated 14.03.2017:** No.
- (xv) **Landuse/Landcover of project site in tabular form:**

S. No.	Existing Landuse / Landcover	Area (sq.km.)	%
1.	Agriculture Crop Land	9.58	14.83
2.	Agriculture Fallow Land	14.24	22.04
3.	Open Scrub / Dense Scrub	7.41	11.47
4.	Barren /Unculturable / Waste land/Scrubland	32.02	49.57
5.	Builtup Land	0.62	0.96

6.	Waterbody	0.73	1.13
	<b>Total</b>	<b>64.60</b>	<b>100.00</b>

(xvi) **Landuse/Landcover around 10 km radius of project site:**

S. No.	Existing Landuse / Landcover	Area (sq.km.)	%
1.	Agriculture Crop Land	122.38	13.78
2.	Agriculture Fallow Land	196.23	22.09
3.	Open Scrub / Dense Scrub	172.69	19.44
4.	Industrial Land	8.15	0.92
5.	Forest	127.83	14.39
6.	Barren / Unculturable /Waste land /Scrubland	236.87	26.67
7.	Builtup Land	15.37	1.73
8.	Waterbody	8.73	0.98
	<b>Total</b>	<b>888.25</b>	<b>100.00</b>

(xvii) **List to industries to be housed with the proposed project site, only for projects covered under 7(c) category of EIA Notification, 2006:** The proposed industrial area development has a plot area of 6,460.04 Ha which will be developed in two stages. Proposed industrial estate will have heterogeneous industries in three different zones viz.

Sl. No.	Type of industrial Zone/Land use	Area (Ha)
1.0	Industrial Land Use	
	• Engineering Zone	2053.16
	• Food Processing Zone	384.39
	• Pharmaceutical Zone	757.03
2.0	Residential Zone	556.53
3.0	Open Space	752.99
4.0	Amenity Space	356.00
5.0	Area for 2nd stage expansion	1420.00
6.0	Area under Roads	179.94
	<b>Total</b>	<b>6460.04</b>

(xviii) **Terrain and topographical features:** The land is primarily rural in character partly under agriculture and fallow land use. There is very low built up area. The contours of the area vary from 25 m to 134 m.

(xix) **Details of water bodies, impact on drainage, if any:** The Kal River flows through the site. The Kundalika River is outside the DPIA and is located to the North of the site. This river flows east to west and has ample amount of fresh water all through the year which is tail race from Bhira Dam.

No waterbodies will be disturbed in project area. Buffer zone (green belt) of 100 m is kept on either side of Kal river as per MIDC DCR. 10 m buffer

zone is kept for all seasonal streams /nalas.

(xx) **Water requirements, sources (during construction and operation phases) and NOC:**

**Construction phase:**

Source: Water for domestic requirement of labourers will be sourced from tanker water supply. Construction water will also be sourced from tankers. Requirement: 30 cmd for domestic requirement of labourers and 125 cmd for construction purposes.

**Operation phase:**

Source: Water will be sourced from proposed jackwell on Kundalika river near Kamat village for industrial use and residential use. Requirement: 102 MLD reserved for the industrial area. Jackwell on Kundalika river near Kamat village and Water Treatment Plant (100 MLD capacity) near Pahur village will be established. 102 MLD Water reservation is available in the Kundalika River for this project.

(xxi) **Groundwater extraction/usage and NOC/Clearance from CGWA/State Ground Water Department:** Not envisaged since ground water extraction in MIDC areas is not permitted.

(xxii) **Whether the project is in Critically Polluted area:** No.

(xxiii) **Tree cutting, types, numbers, girth size etc.:** Approx. 882 trees falling within common infrastructure areas and ROW of proposed roads. Which will be cut or transplanted with due permissions from regulatory authority.

(xxiv) **Whether the project involves diversion of forest land: If yes, provide the extent of the forest land involved and status of the forest clearance:** No diversion of forest land is envisaged. Patches of Reserve Forests are seen adjoining to the proposed layout of Dighi Port based Industrial Area. Green belt of 50 m is proposed around the Reserve forest patches in order to ensure the integrity of forest area and to maintain the natural form of forest.

(xxv) **Whether the project is located within 10 km of Protected Areas (PA) including National Parks, Sanctuaries and Tiger Reserves etc.: If yes, provide details of the PA, distance from project site and status of clearance from National Board for wild life.:** Tamhini Wildlife Sanctuary is located at 4.8 km to the East of the proposed layout for which the Eco sensitive zone (ESZ) is not yet notified. Draft Notification of ESZ for Tamhini Wildlife Sanctuary is published on 10<sup>th</sup> August 2017 vide S.O 2567 (E) and DPIA site is outside the ESZ as per the draft Notification.

(xxvi) **Whether the project is located within the Eco-Sensitive Zone (ESZ) or Eco-Sensitive Area (ESA) notified by the MoEF&CC: If yes, provide the status of recommendation of the Monitoring Committee of ESZ/ESA.:** The site includes four ESA villages (Village Bhuvan, Vawe Diwali, Bondshet and Kumbharte of Mangaon Taluka) (area 1304.36 Ha) identified by High Level Working Group listed in the Directions dt. 13<sup>th</sup> November 2013, under Section 5 of the EP Act 1986 and a series of draft Western Ghat Notifications

(latest draft 03.10.2018). The development in these four villages will be carried out in 2<sup>nd</sup> stage of expansion and will be restricted as given in the Directions dt 13.11.2013 as below:

- No red category industries will be set up.
- Land will not be used for any residential / township development project.
- No Thermal power plant will be proposed on site.

(xxvii) **CETP: Provide details type and quantity of effluent, effluent conveyance system from the member units to CETP with CETP's Capacity:** The units proposed to be established have low water polluting potential like Pharma formulation, Food processing and Engineering. Effluent from proposed units will be treated in Effluent Treatment Plant within individual plots and provision for reuse of treated water will be made by individual unit. All the units will be established on Zero Liquid Discharge (ZLD) and no treated effluent will be allowed to be disposed outside plot area.

xxviii) **STP: Provide details of treatment and usage of treated sewage with STP's capacity:** Common STP will be provided for residential area to treat the sewage generated. Conventional Activated sludge process or Sequential Batch Reactor (SBR) will be provided with tertiary treatment facilities to enable treatment to less than 5 mg/L BOD and enable recycling for flushing and gardening.

(xxix) **R&R issues involved, if any:** The proposal does not involve any rehabilitation and resettlement

(xxx) **Employment potential, No. of people to be employed: Construction Phase:** 300 to 350 nos. for development of infrastructure like Roads, CFC Centre, WTP, CSTP, MSW landfill and other Civil works mostly to be engaged by Contractor who will be engaged for developing the infrastructure over 5 years period. Around 50 nos. of MIDC personnel will supervise the development.

**Operation Phase:** Around 300 nos. of MIDC personnel will be responsible for Operation and Maintenance and Establishment activities. The industries to be set up will result in employment of about 50,000 personnel.

(xxxi) **Benefits of the project:**

**Financial Benefits**

- Over 50,000 Direct & Indirect employment due to business, leading to Stimulation of economic growth outside MMR and PMR area
- Stimulating Local Economy due to direct & indirect impact of industries and related business
- Large investment around proposed project by other parties due to DPIA development stimulating all out development in Konkan region
- DPIA will serve as a trade and industrial hub that will augment India's western gateway to global trade, commerce and industry.

	<p style="text-align: center;"><b>Social Benefits</b></p> <ul style="list-style-type: none"> <li>• Providing alternate employment opportunity to population in Konkan Region</li> <li>• Socio- economic opportunities for business and employment population in Konkan Region</li> <li>• Skill development and technical expertise enhancement possibilities due to influx of industries and skilled manpower</li> </ul> <p style="text-align: center;"><b>Environmental Benefits</b></p> <ul style="list-style-type: none"> <li>• Reducing Congestion in MMR and PMR area</li> <li>• Creation of environmentally friendly and sustainable development in and around DPIA</li> </ul> <p>(xxxii) <b>Details of Court cases, if any:</b> No.</p>
<p><b>3.6.2</b></p>	<p>The EAC, after detailed deliberation during its 237<sup>th</sup> meeting on 29 June, 2020, observed following:</p> <p>(i) The total geographical area of proposed Dighi Port based Industrial Area (DPIA) is 6,460.04 ha that will be developed by MIDC in two stages. In Stage-I, area of 5040.04 ha covering 14 villages and 1 village (part) will be developed and in stage-II it will be expanded on further 1420 ha covering 4 villages and part of 1 village will be developed. Basically, it involves two proposals, (i) development of new industrial area and (ii) expansion of the present industrial area. EAC also observed that expansion of the proposed project involves four villages that are located within the Eco-Sensitive Area (ESA) of Western Ghats as per notification dated 3<sup>rd</sup> October, 2018, as mentioned in Ministry's amendment order no. 1-9/2018 – ESZ dated 3<sup>rd</sup> December, 2018.</p> <p>(ii) As per EIA Notification, both of these proposals cannot be taken up simultaneously as the requirements for grant of expansion projects are entirely different. The application for expansion projects can only be considered after its successful implementation and satisfactory compliance of environmental conditions stipulated for the present project.</p> <p>(iii) This Ministry's directions under Section 5 of the Environment (Protection) Act, 1986, issued vide Ministry's order no. 1-4/2012 - RE (Pt.) dated 13<sup>th</sup> November, 2013 regarding Western Ghats Eco-Sensitive Area (ESA) has stated that the following category of new and/or expansion projects/activities shall be prohibited in ESA from date of issue of these directions except those cases which have been received by EACs/MoEF&amp;CC or SEACs/SEIAAs before the date of putting High Level Working Group report on the website of the Ministry, i.e., 17<sup>th</sup> April, 2013 and which are pending with EACs/MoEF&amp;CC or SEACs/SEIAAs. Such projects will be dealt under the guidelines and rules applicable at the time of application before the respective EACs/MoEF&amp;CC or SEACs/SEIAAs. Apart from such cases, no pending case or any fresh case shall be considered by the EACs/MoEF&amp;CC or SEACs/SEIAAs from the date of issue of these directions.</p> <ol style="list-style-type: none"> <li>a) Mining, quarrying and sand mining.</li> <li>b) Thermal Power Plants.</li> <li>c) Building and construction projects of 20,000 sq. m. area and above.</li> </ol>

d) Township and area development projects with an area of 50 ha and above and/or with built up area of 1,50,000 sq.m. and above.

e) Red category of industries:

*The CPCB list of red category industries would be the minimum list. Industries not included in the CPCB list but mentioned in the Red Category list of the SPCB of the concerned Western Ghats State shall also be categorized as Red category for that State.*

- (iv) The proponent has mentioned that due to the unique and strategic location, no alternative site was considered. However, proponent has to identify and examine alternative sites for establishment of such a large industrial estate that to near one of the most fragile ecologically sensitive area, i.e., Western Ghats ESA.
- (v) The project area has undulating basaltic terrain and it is important to have a detailed hydrological study on the catchment area of the drainage system within the project area.
- (vi) The project would alter all the drainage systems and the rainfall runoff from the catchment would alter totally.
- (vii) The project site is in close vicinity of many heritage sites which may be affected in long run due to indirect impact of the project.
- (viii) The river Kal is flowing within the project boundary. Reserved forest is also very close to the project site.
- (ix) The upcoming of this project would affect the ecology/ biodiversity of the area significantly.
- (x) Pharmaceutical industries should be avoided in such areas. How ZLD would be achieved by the proponent?
- (xi) There is a court case related to Dighi Port (Civil Application No. 63 of 2017 along with Public Interest Litigation No. 42 OF 2009). The proponent is required to clarify whether there is any relation between this court case and proposed project. If there is no court case, an undertaking in this regard has to be furnished by the proponent.
- (xii) Site selection for the proposed Industrial Estate may be planned taking into account the guidelines of CPCB's Zoning Atlas for siting of Industries. It should be clearly mentioned in the proposal as well in the presentation before the EAC.
- (xiii) The planning of Industrial Estate should be done on the basis of criteria mentioned in this Ministry's Technical EIA Guidance Manual for Industrial Estate (2009). It should be clearly mentioned in the proposal as well in the presentation before the EAC.

In view of above mentioned provisions under EIA Notification, 2006 as amended from time to time, the proposal was **returned in its present form** and for submission of the fresh proposal considering DPIA project area 5040.04 ha. Accordingly, the form-1 of application and prefeasibility report other related, if any, are to be revised for the fresh proposal. The proponent has to perform the analysis of alternative site.