

**M/s vitthalrao shinde Sahakari Sakhar karkhana Ltd.Pimpalner ,Solapur (M.S.)2018****FORM 1****(I) Basic Information**

Sr. No.	Item	Details
1.	Name of the Project/s	M/s Vitthalrao Shinde Sahakari Sakhar Karkhana Ltd,Pimpalner,Solapur (M.S.)
2.	S. No. in the schedule	Distillery 5(g)
3.	Proposed capacity/ area/ length/ tonnage to be handled/ command area/ lease area/ number of wells to be drilled	Distillery- 45 KLPD(Grain Based)  Product – ENA-1290 KL/M Rectified Sprit-1350 KL/M Ethanol- 1260 KL/M DDGS-900 Ton/M DWGS-1050 Ton/M
4.	New/ Expansion/ Modernization	New
5.	Existing Capacity/ Area etc.	NA
6.	Category of Project i.e. 'A' or 'B'	'A'
7.	Does it attract the general condition? If yes, please specify	Yes
8.	Does it attract the specific condition? If yes, please specify.	No
9.	Location	Pimpalner – Aerial View is attached as an <b>Annexure I</b>
	Plot/ Survey/ Khasra No.	417,418.
	Village	Pimpalner
	Tehsil	Madha
	District	Solapur
	State	Maharashtra
10.	Nearest railway station/ airport along with distance in kms.	Railway station: Kurduvadi at 19 Kms in NE direction Airport : Solapur at 100 Kms in SE direction & Pune at 150 Kms.
11.	Nearest Town, city, District Headquarters along with distance in kms.	Pimpalner at 2.4 km in NE direction Kurduwadi at 19 Km in NE direction Solapur :100 Km in SE direction
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body	Village Grampanchyat – Pimpalner Tal – Madha, Dist – Solapur.

	( Complete postal addresses with telephone nos. to be given)	
13.	Name of applicant	M/s. Vitthalrao Shinde Sahakari Sakhar Karkhana Ltd.,
14.	Registered Address	M/s.Vitthalrao Shinde Sahakari Sakhar Karkhana Ltd., Gangamainagar,Pimpalner, Tal. Madha, Dist.: Solapur.
15.	Address for Correspondence	M/s.Vitthalrao Shinde Sahakari Sakhar Karkhana Ltd., Gangamainagar,Pimpalner, Tal. Madha, Dist.: Solapur
	Name	Mr. R.S.Ranaware
	Designation ( Owner/ Partner/ CFO)	Managing Director
	Address	M/s.Vitthalrao Shinde Sahakari Sakhar Karkhana Ltd., Gangamainagar,Pimpalner, Tal. Madha, Dist.: Solapur.
	Pin Code	413210
	E-mail	<a href="mailto:vs.sugar@gmail.com">vs.sugar@gmail.com</a>
	Telephone	(02183) 233005, 233056,2233075,233500
	Fax. No.	(02183) 233005
16.	Details of Alternative Site Examined, if any location of these sites should beshownona toposheet.	No. There is already existing project at above address. The new project shall be in the same premises to optimize resources.
17.	Interlinked Projects	No
18.	Wither separate application of interlinked project has been submitted?	No
19.	If yes, date of submission	<b>Not Applicable</b>
20.	If no, reason	-
21.	Whether the proposal involves approval/clearance under: if yes, details of the same and their status to be given. a) The Forest (Conservation) Act,1980? b) The wildlife (Protection) Act, 1972? The C.R.Z Notification, 1991?	No
22.	Whether there is any Government Order/Policy relevant/relating to this site?	No
23.	Forest land involved(hectares)	No
24.	Whether there is any litigation pending against the project and /or land in which the project is proposes to be set up? a) Name of the Court	No

	b) Case No. c) Order/directions of the Court, if any and its relevance with the proposed project.	
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- Capacity corresponding to sector al activity (such as production capacity for manufacturing, mining lease area and production capacity for mineral production, area for mineral exploration, length for linear transport infrastructure, generation capacity for power generation etc.,)

## (II) Activity

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

Sr. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	No	The land is already acquired and used for industrial purpose. Hence there is no change in land use.
1.2	Clearance of existing land, vegetation and buildings?	No	Not Applicable
1.3	Creation of new land uses?	No	Not Applicable
1.4	Pre-construction investigations e.g. bore, houses, soil testing?	Yes	Soil Investigations already done. The soil is having good bearing capacity for foundations.
1.5	Construction works?	Yes	<b>Total Plot Area:60724.8 m<sup>2</sup></b> <b>Total proposed built up area- 10120.8 m<sup>2</sup></b>
1.6	Demolition works?	No	Not Applicable
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	Temporary housing shall be provided for construction workers for period of 12 months
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	The factory shed shall be above ground. The cutting and filling shall be nearly matched. Excess material shall be used to fill low lying areas
1.9	Underground works including	No	Not Applicable

	mining or tunneling?		
1.10	Reclamation works?	No	Not Applicable
1.11	Dredging?	No	Not Applicable
1.12	Offshore structures?	No	Not Applicable
1.13	Production and manufacturing processes?	Yes	<b>Products: Alcohol.</b> List of products and Raw materials Attached as an Refer <b>Annexure II</b> Manufacturing Process is attached Refer <b>Annexure III</b>
1.14	Facilities for storage of goods or materials?	Yes	Godowns of large area for storage of goods & material stored in earmarked area at site. The Alcohol are stored in MS tanks
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	For Effluent treatment scheme based on ZLD concept is proposed.
1.16	Facilities for long term housing of operational workers?	Yes	A housing colony is already established in the campus of sugar complex
1.17	New road, rail or sea traffic during construction or operation?	No	Existing approach Road is available
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	Existing approach Road is available
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	Not applicable
1.20	New or diverted transmission lines or pipelines?	No	Not applicable/ Not Required
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	Not applicable/ Not Required
1.22	Stream crossings?	No	Not Applicable
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	The total water requirement shall be 697 cum/day. VSSSKL will receive water from Ujjani Dam as well as open well, Bore well to constructed raw water reservoir.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	Not Applicable
1.25	Transport of personnel or materials for construction, operation or	Yes	Construction material and additional cane to the sugar plant during the

	decommissioning?		season
1.26	Long-term dismantling or decommissioning or restoration works?	No	Not Applicable
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	Not Applicable
1.28	Influx of people to an area in either temporarily or permanently?	Yes	<u>During Construction Phase:</u> Workers: 72 <u>During Operation Phase :</u> Skilled:15 Unskilled:35
1.29	Introduction of alien species?	No	Not Applicable
1.30	Loss of native species or genetic diversity?	No	Not Applicable
1.31	Any other actions?	No	Not Applicable

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

Sr. No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	No	The land is already available with the project proponent
2.2	Water (expected source & competing users) unit: KLD	Yes	Main source of water supply is Ujjani Dam Reservoir, <b>open well &amp; bore well.</b> Distillery-697KLD
2.3	Minerals (MT)	No	<b>Not Applicable</b>
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	Yes	Industry will appoint Govt. Registered Contractor for Execution
2.5	Forests and timber (source – MT)	No	<b>Not Applicable</b>

2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	Electricity required during season - 1140 KWH  Source - Own Power Generation  During off Season -25KWH  Bagasse -210MT/Day  Source Own Power Generation
2.7	Any other natural resources (use appropriate standard units)	No	<b>Not Applicable</b>

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

Sr. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	No	No use of hazardous Materials or substances.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	Not Applicable
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Will be improved.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	Not Applicable
3.5	Any other causes	No	Not Applicable

**4. Production of solid wastes during construction or operation or decommissioning (MT/Month):**

Sr. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	No	Not Applicable

4.2	Municipal waste (domestic and or commercial wastes)	No	Canteen waste and other sealeable scrap material
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	Spent and waste oil from machineries. Details provided in PFR
4.4	Other industrial process wastes	Yes	Boiler Ash, Grain Residue, Sludge from ETP
4.5	Surplus product	No	Not Applicable
4.6	Sewage sludge or other sludge from effluent treatment	Yes	The ETP sludge is biodegradable in nature and same shall be used in composting
4.7	Construction or demolition wastes	No	Excess Excavated material or construction waste during construction will be used for leveling of land at site
4.8	Redundant machinery or equipment	No	Not Applicable
4.9	Contaminated soils or other materials	No	Not Applicable
4.10	Agricultural wastes	No	Not Applicable
4.11	Other solid wastes	No	Not Applicable

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

Sr. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	Emission from the combustion will be NO <sub>x</sub> , SO <sub>x</sub> and TPM.
5.2	Emissions from production processes	Yes	The source of emission shall be proposed Boiler-1 No, 18 TPH& Stack Height-40 Mtr. PM shall be main pollutant from Boiler
5.3	Emissions from materials handling including storage or transport	Yes	Dust in the form of PM shall be generated during construction activities. Suitable preventive measures planned.
5.4	Emissions from construction activities including plant and equipment	Yes	PM, Sox, Nox etc. shall be generated during construction works due to machinery used and handling of cement, dust from excavation. Suitable preventive measures are planned for

			same.
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	Yes	Sewage and waste will be treated in such way that, there will not be any dust or odor release. Proper preventive measures for odor control shall be adopted
5.6	Emissions from incineration of waste	No	Not Applicable
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	Not Applicable
5.8	Emissions from any other sources	NO	NA

## 6. Generation of Noise and Vibration, and Emissions of Light and Heat:

Sr. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Boiler shall be sources of Noise generation. Adequate measures for control of noise levels will be implemented to maintain noise levels within limits. Workers shall be provided with PPE's to protect from high noise levels.
6.2	From industrial or similar processes	NO	NA.
6.3	From construction or demolition	Yes	Adequate measures for control of noise levels will be implemented during construction phase.
6.4	From blasting or piling	No	Not Applicable
6.5	From construction or operational traffic	Yes	Construction work shall be done only during day time
6.6	From lighting or cooling systems	No	Not Applicable
6.7	From any other sources	No	Not Applicable

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

Sr. No.	Information/Checklist confirmation	Yes/No	Details there of (with approximate quantities/rates, wherever possible)
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			<b>with source of information data</b>
7.1	From handling, storage, use or spillage of hazardous materials	Yes	The effluent storage shall be done in HDPE sheet lined tanks. All storage tanks shall be provided with dyke walls
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	Yes	Effluent generated will be treated in Effluent Treatment Plant .ETP Details Attached as an <b>Annexure VII</b>
7.3	By deposition of pollutants emitted to air into the land or into water	No	Wet Scrubber will be providing for arresting Fly ash generated from Boiler
7.4	From any other sources	No	Not Applicable
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	Not Applicable

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

<b>Sr. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</b>
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	Yes	Disaster Management Plan and Risk assessment shall be done. All such operations shall be identified and suitable preventive measures shall be adopted.
8.2	From any other causes	No	<b>Not Applicable</b>
8.3	Could the project be affected by natural disasters causing environmental damage? (e.g. floods, earthquakes, landslides, cloudburst etc)	No	Floods and landslides are not expected in the area.  Earthquake proneness: the area falls under Zone Iv as per IS 1893-2002. Hence relevant design parameters as per zone III have been considered for RCC design of the building.

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

<b>Sr. No.</b>	<b>Information/Checklist confirmation</b>	<b>Yes/No</b>	<b>Details there of (with approximate quantities/rates, wherever possible)</b>
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			<b>with source of information data</b>
9.1	Lead to development of supporting facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: <ul style="list-style-type: none"> <li>• Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)</li> <li>• Housing development</li> <li>• Extractive industries</li> <li>• Supply industries</li> <li>• Other</li> </ul>	yes	1) Power supply is available. 2) Wide road is available
9.2	Lead to after-use of the site, which could have an impact on the environment	No	Not Applicable
9.3	Set a precedent for later developments	No	Not Applicable
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects.	No	Not Applicable

### (III) Environmental Sensitivity

<b>Sr. No.</b>	<b>Areas</b>	<b>Name/ Identity</b>	<b>Aerial distance (within 15 km.) Proposed project location boundary</b>
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	No	Not Applicable
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	No	Not Applicable
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, overwintering, migration	No	Not Applicable
4	Inland, coastal, marine or underground waters	No	Not Applicable
5	State, National boundaries	No	Not Applicable
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas.	No	Not Applicable
7	Defense installations	No	Not Applicable

8	Densely populated or built-up area	NO	Not Applicable
9	Areas occupied by sensitive man-made land uses ( <i>hospitals, schools, places of worship, community facilities</i> )	No	Not Applicable
10	Areas containing important, high quality or scarce resources( <i>ground water resources, surfaceresources, forestry, agriculture, fisheries, tourism, minerals</i> )	No	Not Applicable.
11	Areas already subjected to pollution or environmental damage. ( <i>those where existing legal environmental standards are exceeded</i> )	No	Not applicable
12	Areas susceptible to natural hazard which could cause the project to present environmental problems( <i>earthquakes, subsidence, landslides,erosion, flooding or extreme oradverse climatic conditions</i> )	--	--

#### IV. Proposed Terms of Reference for EIA Studies


Alcohol manufacturing involves very careful purification to produce the end product. This is process requirement. As a result wastage of material and resultant load on environment is more. Off specification product, un-reacted raw material and expired or spent unused input chemicals are some of the problems here in such industry. It is more so in Drugs-medicine units, where very fine purification is done to make it fit for ailing human consumption. Every purification step adds pollution load. We propose to address this in writing EIA, so that resource recovery, by product conversion, smaller make-up additions and good mass balance will be attended. This is an environmental issue and needs to be addressed well. Details will be given on common available facilities for effluent and for hazardous waste.

Secondary issue is mismanaged unit can be issue due to foul odor. These two issues are proposed to cover in the EIA. The remaining phases of environment like air pollution, noise pollution and solid waste are of small dimension and easily controllable.

We shall propose in "Scoping" the details of all above, as also the following:

- Against the study area of 10 km This land is only a fraction. Thus there will not be change in land use pattern. The present land is already non-agricultural and under industrial use and under Govt. MIDC.
- We shall give details in EIA about the Raw material requirement, water requirement, water balance, process details, technology, product storage etc.
- Ambient air quality monitoring for three months except monsoon covering 10 km radius around industry and its impact.
- Groundwater quality around plant 10 km radius.
- Treatment scheme to achieving Zero Discharge.
- AAQ ambient air quality stations at such location where the mathematical model will predict maximum load of GLC.
- Scheme of Treatment, mode of treatment
- Information of solid waste, no. of working days, CO<sub>2</sub> emission from stack and process, etc.
- Employment generation, benefits of project.
- The raw materials covered under MSI rules will be attended well in EIA.
- An Environmental Inventory will be prepared.

Signature of Authorized person with seal  
For Vitthalrao Shinde SSK Ltd.

  
Mr. R.S. Ranaware  
Managing Director  
Vitthalrao Shinde S. K. Ltd.  
Gangamainagar Pimpalner  
Tal. Madha Dist Solapur