

FORM-1/ (APPENDIX - I)

FOR

**Proposed 250 KLPD
Grain based Ethanol Plant along with
6.0 MW Cogeneration Power Plant**

**At
Village Suli Khera, Tehsil Bhattu Kalan,
District Fatehabad, Haryana**

APPLICANT

M/s. Goyal Distillery Private Limited

Regd. Office: B-3,4,5 Focal Point, Kotkapura,

District Faridkot, Punjab - 151204

Telephone No.:+91-9646600759;

E-mail:project@gdplbiofuels.com

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Form-1 / Appendix-I**APPENDIX – I****(See paragraph – 6)****FORM 1****(I) Basic Information**

1.	Name of the Project	:	Proposed 250 KLPD Grain based Ethanol Plant along with 6.0 MW Cogeneration Power Plant at Village Sulikhera, Tehsil Bhattu Kalan, District Fatehabad, Haryana by M/s. Goyal Distillery Private Limited
2.	S. No. in the schedule	:	The proposed activity is covered under MoEFCC Notification S.O. 2339(E) dated 16 th June, 2021 a special provision in the EIA Notification, 2006- (Schedule 5 (ga), Category B2). As per the notification, Grain based distilleries with Zero Liquid Discharge producing ethanol; solely to be used for Ethanol Blended Petrol Programme of the Government of India shall be considered under B2 Category with condition that the project proponent shall file a notarized affidavit that ethanol produced from proposed project shall be used completely for EBP Programme.
3.	Proposed capacity /area/length/tonnage to be handled/command area/lease area/number of wells to be drilled	:	<ul style="list-style-type: none"> Proposed Capacity – 250 KLPD Grain based Ethanol Plant and 6.0 MW Cogeneration Power Plant Total Project Area: 6.35 Ha (15.7 Acre)
4.	New/Expansion/Modernization	:	New
5.	Existing Capacity/Area etc	:	Not Applicable
6.	Category of Project i.e. 'A' or 'B'	:	Category 'B2'
7.	Does it attract the general condition? If yes, please specify	:	Yes, Haryana- Rajasthan Interstate Boundary (~9.8 km in SSW direction)
8.	Does it attract the specific condition? If yes, please specify.	:	No, it does not attract the specific condition.
9.	Location		
	Plot/ Survey / Khasra No.	:	24//21/2/2 (2-14); 38//1/2 (2-10); 38//2 (8-0); 38//9 (8-0); 38//10 (8-0); 38//11 (8-0);37//15 (8-0); 37//16 (8-0); 38//12 (8-0); 38//19 (8-0); 38//20(8-0); 37//25 (8-0); 38//21 (8-0); 38//22 (7-8); 43//1 (8-0); 43//2 (7-8); 44//4/2 (1-12); 44//5 (8-0)
	Village	:	Sulikhera
	Tehsil	:	Bhattu Kalan
	District	:	Fatehabad
	State	:	Haryana
10	Nearest railway station/airport along with distance in KMs		Khabra Kalan Railway station (~ 2.5 Km in SSE direction) Bhattu Railway station (~ 4.0 Km in WNW direction) Indira Gandhi International Airport, New Delhi(~190.0 Km ESE

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			direction)
11.	Nearest Town, City, District Headquarters along with distance in Kms.		Bhattu Mandi (~3.0 Km in WNW direction), Adampur (~ 13.0 Km in SE direction) Fatehabad (~ 15.5 Km in NNE direction)
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)		<u>Village Mukhiya:</u> Sarita Devi Village Sulikhera, Tehsil Bhattu Kalan, District Fatehabad Telephone No: +91-9416363321
13.	Name of the applicant		M/s Goyal Distillery Private Limited
14.	Registered Address	:	B-3,4,5 Focal Point, Kotkapura, District Faridkot, Punjab- 151204
15.	Address for correspondence:	:	
	Name	:	Mr. Shivji Ram Goyal
	Designation (Owner/Partner/CEO)	:	Director
	Address	:	B-3,4,5 Focal Point, Kotkapura, District Faridkot, Punjab
	Pin Code	:	151204
	E-mail	:	project@gdplbiofuels.com
	Telephone No.	:	+91-9646600759 +91-9914205755
	Fax No.	:	Nil
16.	Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo sheet	:	No alternative site has been taken into consideration.
17.	Interlinked Projects	:	There are no interlinked projects related to this project.
18.	Whether separate application of interlinked project has been submitted	:	Not Applicable
19.	If yes, date of submission	:	Not Applicable
20.	If no, reason	:	Not Applicable
21.	Whether the proposal involves approval/clearance under: If yes, details of the same and the status to be given	:	The proposal does not involve any approval /clearance under any act as mentioned in the condition.
	(a)The Forest (Conservation) Act, 1980		No
	(b) The Wildlife (Protection) Act, 1972		No
	(c) The C.R.Z Notification, 1991		No
22.	Whether there is any Government Order/Policy relevant/relating to the site	:	No
23.	Forest land involved (hectares)	:	No forest land is involved in the proposed project.
24.	Whether there is any litigation pending	:	No litigation is pending against the project.

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<p>against the project and / or land in which the project is proposed to be set up</p> <p>(a) Name of the Court</p> <p>(b) Case No.</p> <p>(c) Orders/directions of the Court, if any and its relevance with the proposed project.</p>	
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(II) Activity**1. Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)**

S. No.	Information/Checklist confirmation	Yes/ No	Details there of (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)	Yes	The total project area is 6.35 Ha (15.7 Acre) which is already under the possession of the company. According to the Haryana Bio-energy Policy 2018 published by Government of Haryana, Land use conversion is not required as a part of incentives for development of biomass based projects in the state. The topography of the core zone is flat. After installation of the plant, about 33% of the total project area will be covered under greenbelt & plantation, which will contribute to increase the aesthetic beauty of the area and reduction of pollution.
1.2	Clearance of existing land, vegetation and buildings?	Yes	The proposed project site is more or less flat and only little leveling, cutting and filling of ground will be required for construction. Vegetation is scattered in the form of bushes which will be cleared for the construction of various units of proposed Ethanol Plant.
1.3	Creation of new land uses?	Yes	The total project area is 6.35 Ha (15.7 Acre) which is already under the possession of the company. According to the Haryana Bio-energy Policy 2018 published by Government of Haryana, Land use conversion is not required as a part of incentives for development of biomass based projects in the state.
1.4	Pre-construction investigations e.g. bore holes, soil testing?	Yes	Site specific geotechnical and sub-surface investigations will be carried out before construction of Ethanol Plant & Power Plant.
1.5	Construction works?	Yes	Construction will be done for installation of Ethanol Plant, power plant and required storage facilities & utilities etc.

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1.6	Demolition works?	No	No demolition work is required.
1.7	Temporary sites used for construction works or housing of construction workers?	Yes	Local people will be preferred for the construction purpose; housing facilities may not be required for them. However, all required amenities / facilities will be provided for construction workers at site such as rest shelters, portable toilet, facilities for drinking water etc.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	Yes	There will be excavation, cut and fill during the process of construction for proposed project.
1.9	Underground works including mining or tunneling?	Yes	Underground works like mining or tunneling are not envisaged, however for construction of ethanol plant& power plant subsurface work like laying of foundation, piling etc. will be done as part of civil construction.
1.10	Reclamation works?	No	No reclamation work is required. However, materials especially top soil excavated during the civil works will be used for greenbelt development / plantation.
1.11	Dredging?	No	No dredging is involved.
1.12	Offshore structures?	No	Not Applicable
1.13	Production and manufacturing processes?	Yes	<p>Grain Based Ethanol Plant:</p> <ol style="list-style-type: none"> 1. Grain storage 2. Grain cleaning, milling and flour handling 3. Slurry preparation & liquefaction 4. Fermentation 5. Multi pressure distillation 6. Multi Effect Evaporator & Dryer 7. Alcohol daily receivers & bulk storage <p><i>Manufacturing process details are described in Pre-Feasibility Report.</i></p>
1.14	Facilities for storage of goods or materials?	Yes	Materials required for process like grains will be stored in silos/Covered Shed. Finished product (Ethanol) will be initially collected in respective daily receivers and then transferred to bulk storage tanks. DWGS/DDGS will be packed in bags and stored in covered sheds/go downs. Fuel like Biomass- Rice husk/ Rice straw (Pralli)/ Agriculture waste will be stored in covered sheds only.

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1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	<p>Solid Waste</p> <ol style="list-style-type: none"> 1. Company will supply ash (56 TPD) to nearby brick manufacturers in covered vehicles and will also explore possibilities for in-house brick manufacturing unit. 2. DWGS/DDGS (117TPD) will be utilized as Cattle, poultry and fish feed ingredients. <p>Liquid effluent</p> <ol style="list-style-type: none"> 1. Grain Slops (1533TPD) will be taken through Centrifuge Decanters for separation of Suspended Solids separated as Wet Cake & will then be treated in Multi Effect Evaporator followed by DWGSdryer to finally obtain DWGS/DDGS (117 TPD) (Cattle, poultry and fish feed). 2. Process condensate & other wastewater will be treated in CPU/ETP of Capacity 1500 KLPD and recycled within plant premises.
1.16	Facilities for long term housing of operational workers?	Yes	The operational workers will be employed from nearby area, who may commute daily from their residence for work therefore; no long-term housing will be required. Also, nearest town Bhattu Mandi Town is 3.0 Km&Adampur Town is 13.0 Km from the project site; employees may also be accommodated there. Transport and other facilities will be provided by the company. However, provision of staff quarters are present at site.
1.17	New road, rail or sea traffic during construction or operation?	Yes	During construction phase, incremental traffic load on nearby SH- 21 will be marginal. During operation phase, all Raw materials and finish product transport will be done considering 100 % transportation by road, therefore road traffic will be increased after the proposed project.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	Yes	Proposed project is situated near SH-21 (~4.0 Km in West direction) and MDR-103 (~5.0 Km in WNW direction). Existing infrastructure will be sufficient for this project, thus, no new road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc. will be required.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	There will be no closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements will be required for proposed project.

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01.20	New or diverted transmission lines or pipelines?	No	No new or diverted transmission lines or pipelines are proposed.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	There is no impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers.
1.22	Stream crossings?	No	There is no stream crossing through the proposed site.
1.23	Abstraction or transfers of water from ground or surface waters?	Yes	Total fresh water requirement will be 1254 KLPD (1234 Process & 20 KLPD Domestic) which will be sourced from Canal water.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	Topography of the land is more or less flat which may require little leveling / cutting and filling for construction of the project. No change in the water bodies or the land surface affecting drainage or runoff envisaged.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	Local people will be deployed for construction purpose; thus, no transportation facility will be required. Transport arrangements will be provided for operational workers coming from nearby villages / towns from where they can commute to and from for work. There will be transportation of material and machinery during construction & operational phase by road.
1.26	Long-term dismantling or decommissioning or restoration works?	No	No long-term dismantling or decommissioning or restoration works is required.
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	Temporary or permanent influx of people will be there as the managerial and supervisory staff will be recruited from different areas. During construction phase almost 130 persons will be required. Total manpower required during the operational phase of the project will be 120 persons. Preference will be given to the nearby villages as per eligibility.
1.29	Introduction of alien species?	No	Introduction of alien species is not envisaged. The plant species will be native and selected in consultation with the Local Forest Department and local people.
1.30	Loss of native species or genetic diversity?	No	No such case is reported from the area so far neither envisaged.
1.31	Any other actions?	No	Not Applicable

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

S. No.	Information/checklist confirmation	Yes/ No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	Yes	The total project area is 6.35 Ha (15.7 Acre) which is already under the possession of the company. According to the Haryana Bio-energy Policy 2018 published by Government of Haryana, Land use conversion is not required as a part of incentives for development of biomass based projects in the state.
2.2	Water (expected source & competing users) unit: KLPD	Yes	Total fresh water requirement will be 1254 KLPD (1234 Process & 20 KLPD Domestic) which will be sourced from Canal water.
2.3	Minerals (MT)	No	No minerals will be required in this proposed project.
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	Yes	Construction material as available locally such as sand, reinforcement steel, cement etc. will be used. The quantification of the materials will be done during detailed engineering stage.
2.5	Forests and timber (source – MT)	No	No forests and timber will be used.
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	Yes	Total power requirement will be around 5.5 MW; which will be sourced from 6.0 MW Co-generation Power Plant. D.G. sets of 1x500 KVA and 2x1000 KVA will be installed for the power back up. Fuel for Boiler 2x 30 TPH: Biomass- Rice husk/ Rice straw/ Agriculture waste
2.7	Any other natural resources (Use appropriate standard units)	No	Not Applicable

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

S. No.	Information/Checklist confirmation	Yes/ No	Details 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)	Yes	The hazardous chemicals used in the plant are Caustic Soda (Sodium Hydroxide)& Nitric acid. The hazardous chemicals will be provided with proper storage facilities as per MSIHC rules to avoid any harm to environment or human health.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	The Ethanol Plant will be based on "Zero Liquid Discharge". Therefore; there will be no changes in occurrence of disease or affect disease vectors.

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3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Positive impact is envisaged at local as well as regional level in the project area viz., generation of direct - indirect employment opportunities, improved local Infrastructure facilities, Increased revenue to the State & Central exchequer by participation in EBP Programme. In addition, various rural development initiatives for the upliftment of the nearby communities will be undertaken under socio-economic developmental activities.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	Yes	There are many schools, hospitals, dispensaries, and hotels etc. in the study area, which have the vulnerable group of people who could be affected by the project if proper mitigation measures are not implemented. The company will take all precautionary measures to ensure there are no negative impacts because of the proposed project and also take measures to control air, water and noise pollution.
3.5	Any other causes	No	Not Applicable

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

S. 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	No major spoil production is envisaged from the plant as demolition work is not envisaged. However, the spoil generated during construction will be reused for leveling.
4.2	Municipal waste (domestic and or commercial wastes)	Yes	Municipal solid waste generated from Plant canteen will be disposed after segregating into bio-degradable and non-degradable waste. Bio-degradable waste will be composted and non-degradable wastes will be disposed off suitably.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	Used or Spent oil to the tune of 0.5 KL/annum (Cat. 5.1), Contaminated cotton rags or other cleaning materials (Cat 33.2) Empty barrels will be generated as per Schedule I of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
4.4	Other industrial process wastes	Yes	Ash (56 TPD) generated from the boilers will be used for brick manufacturing. Company will supply ash to nearby brick manufacturers in covered vehicles and will also explore possibilities for in-house brick manufacturing unit.No other industrial process waste will be generated except the already mentioned details.
4.5	Surplus product	No	No

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4.6	Sewage sludge or other sludge from effluent treatment	Yes	Sludge will be dried and used as manure.
4.7	Construction or demolition wastes	Yes	Construction waste like soil, brick bits will be utilized in levelling of land and road making. No demolition waste will be generated.
4.8	Redundant machinery or equipment	No	There will be no redundant machinery or equipment.
4.9	Contaminated soils or other materials	No	There will be no contamination of soil or any other material.
4.10	Agricultural wastes	No	There will not be any agricultural waste.
4.11	Other solid wastes	Yes	DWGS/DDGS - Dried Distillers Grains Soluble(By product- 117 TPD) will be sold as by-products for Cattle/Poultry/Fish feed.

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

S. 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	The major pollutants of the plant will be particulate matter, SO ₂ & NO _x from proposed 2x30 TPH boilers. ESP with adequate stack height (55 m) will be installed to maintain the emission levels within prescribed standards.
5.2	Emissions from production processes	Yes	CO ₂ generated (189 TPD) during fermentation process will be collected and sold to vendors.
5.3	Emissions from materials handling including storage or transport	Yes	Fugitive emissions will be generated during transport and storage of material. Company will have provisions of material transfer in closed loop and covered manner so negligible emissions are envisaged. Covered storage facilities will be provided for raw material & finished products. Road sweeping machines will be used for cleaning of paved roads and proper house-keeping will be maintained to control fugitive dust emissions. All vehicles will be PUC certified.
5.4	Emissions from construction activities including plant and equipment	Yes	Fugitive dust emissions are likely to be generated from construction activities and vehicular movements. These emissions will be temporary and will be controlled by water spraying and regular sweeping of internal roads.
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	Yes	During construction, there will be minor generation of dust which will be controlled by water spraying and road sweeping regularly. Odor problems will be properly controlled at source by good operational practices, including physical and management control measures.

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5.6	Emissions from incineration of waste	No	There will be no incineration of waste.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	There will be no burning of waste in open air.
5.8	Emissions from any other sources	No	There will be no emissions from any other sources.

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

S. 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	In the Ethanol plant, noise will emanate from operation of equipment; which will be kept below the prescribed limit by CPCB. Proper noise abatement measures will be taken and persons working close to machine and machine operators will be provided with personal protective equipment viz. Ear plugs / Ear muffs/defenders etc. for further protection. Vibrations due to any operation are ruled out. D.G sets (Whenever required for back up) will be covered with acoustic enclosures to control noise level. Noise level will be within permissible limit.
6.2	From industrial or similar processes	Yes	Noise will be generated due to the running of the machinery {60 to 70 Leq. (A)} will be kept below the prescribed limit by CPCB. Proper mitigation measures will be taken for the reduction of noise levels viz. acoustic enclosures etc. The workers will be provided with PPE; personal protective equipment.
6.3	From construction or demolition	Yes	Noise generated from the construction activities such as drills, hammering, cement mixing, heavy vehicle transportation, welding etc. {50 to 60 Leq. (A)} will be maintained within the prescribed noise standards. No demolition activity will be done.
6.4	From blasting or piling	No	There will be no blasting. Slight noise during piling activities will be addressed by providing PPEs and covering.
6.5	From construction or operational traffic	Yes	There will be some noise {50 to 55 Leq. (A)} due to movement of machine/vehicle but the same will be maintained within the prescribed limit.

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6.6	From lighting or cooling systems	No	No noise will be generated from lighting or cooling systems
6.7	From any other sources	No	There are no other sources of noise generation.

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

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials.	Yes	Permission will be obtained from The Petroleum and Explosives Safety Organization (PESO) for proper storage of ethanol. Used oil to the tune of 0.5 KL/annum for lubrication will be handled in closed containers and stored at designated areas as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and will be sold to CPCB authorized recycler. Also, care will be taken during its use for lubrication of external part of equipment, so that nothing falls on ground, which will contaminate the soil. Equipment will be kept well maintained, so that they may remain leakage free.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	The proposed plant is based on the concept of "Zero Liquid Discharge" hence no sewage or other effluent will be discharged outside the plant premises.
7.3	By deposition of pollutants emitted to air into the land or into water	Yes	There is likely hood of increase of air emissions. But proper mitigating measures will be adopted to reduce the effect such as installation of pollution control equipment, greenbelt development, dust suppression by regular water sprinkling etc., However, periodical monitoring and continuous online Emission monitoring will be done and results will be analyzed. In case of any exigencies, corrective measures will be taken.
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	No long-term buildup of pollutants in the environment is envisaged, the emission levels will be maintained well within the prescribed standards and continuous online stack (CEMS) monitoring will be done so that timely mitigation measures can be undertaken.

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

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	Yes	The hazardous materials will be stored in a proper storage facility designed with protective measures to avoid risks due to spillages and leakages. Proper handling and storage practices will eliminate risk of accidents. However; in an emergency, fire-fighting equipment will be provided near all risk prone areas. Workers will be properly trained to use fire-fighting system to quench the fire at source itself.
8.2	From any other causes	No	Not Applicable
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	No	No such case has been reported in the area and chances are minimal. However, the company will have Emergency and Contingency plans in place.

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

S. No.	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
9.1	Lead to development of supporting utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: <ul style="list-style-type: none"> • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • housing development • extractive industries • supply industries • other 	Yes	Proposed project will result in considerable growth of the surrounding areas. Some of the direct & indirect benefits are as follows: <ul style="list-style-type: none"> • By generating direct and indirect employment opportunities in the region including ancillary development. • Promoting Education • Health and Family Welfare • Social Welfare Services • Infrastructure development • Sustainable livelihood (women empowerment) • Overall growth of the surrounding area in terms of socio-economic status and standard of living.
9.2	Lead to after-use of the site, which could have an impact on the environment	No	Negligible impact is envisaged on air, noise and aesthetic parameters due to the proposed project.

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9.3	Set a precedent for later developments	Yes	This project will have positive effect on the living standards of local people in terms of employment, infrastructure and overall development of the area.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects.	Yes	Positive impact on overall development of the area is envisaged in terms of improvement in local Infrastructure & economic well-being of the people around.

(III) Environmental Sensitivity

S. No.	Areas	Name/ Identity	Aerial distance (within 15 km.) Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value.	No	As per the details available on Survey of India Toposheet there is no area within 15 km radius of the proposed project falling or protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value.
2	Areas which are important or sensitive for ecological reasons-Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	Yes	Water Bodies:Fatehabad Branch (Bhakra Canal), Banmadauri Distributary, Gigorani Distributary, Adampur Distributary, Kheri Distributary, Kheri Distributary, Mahrana distributary, Pilimadauri Distributary, Sirsa major Distributary, Bigghar Distributary, KharaBarwala minor canal, Manawali minor, Kohli minor.
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	No	As per the Secondary Literature survey i.e. Journal, no endangered / Endemic or sensitive species of the Flora & fauna is reported in the study area.
4	Inland, coastal, marine or underground waters	Yes	The project site is located at Village Sulikhera, Tehsil Bhattu Kalan, District Fatehabad, Haryanawhich is away from any coastline and marine water bodies.However, inland water bodies exist such as detailed in point 2 above. Underground water is present in the study area.
5	State, National boundaries	Yes	Haryana- Rajasthan Interstate Boundary (~9.8 km in SSW direction)
6	Routes or facilities used by the public for accessto recreation or other tourist, pilgrim areas	Yes	<ul style="list-style-type: none"> • SH-21 (~4.0 Km in West direction), • MDR-103 (~5.0 Km in WNW direction).
7	Defense installations	No	No Defense installations within 15 km radius of the project site.

Proposed 250 KLPD Grain based Ethanol Plant along with 6.0 MW Cogeneration Power Plant

At Village SuliKhera, Tehsil Bhattu Kalan, District Fatehabad, Haryana

Form-1 / Appendix-I

8	Densely populated or built-up area	Yes	<ul style="list-style-type: none"> Bhattu Mandi (~3.0 Km in WNW direction) Adampur (~ 13.0 Km in SE direction)
9	Areas occupied by sensitive man-made land uses (<i>hospitals, schools, places of worship, community facilities</i>)	Yes	There are primary schools, dispensaries, small hospitals, places of worship within 15 km radius of the project site.
10	Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	Yes	The area falls under Over-exploited category as per the CGWB categorization, 2017. The surface water resources have been mentioned in Point No. 2. Agricultural land is available in the study area.
11	Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)	No	There is no area; which is already subjected to pollution or environmental damage as per monitoring done by CPCB in 2018 within 15 km radius of the project site.
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (<i>earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions</i>)	No	There is no incidence of subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions in the area so far. The plant site falls in Seismic Zone - II as per IS: 1893 (Part-I): 2002.

(IV) Proposed Terms of Reference

M/s Goyal Distillery Private Limited is proposing a 250 KLPD Grain Based Ethanol Plant along with 6.0 MW Co-generation Power Plant at Village SuliKhera, Tehsil Bhattu Kalan, District Fatehabad, Haryana in total project area of 6.35 ha (15.7 acre).

The Government of India approved the National Policy on Bio-fuels in 04th June 2018 stipulating Ethanol Blended with Petrol (EBP) Programme as its main component, offering indigenous and non-polluting renewable energy source and successful implementation of the programme would not only result in substantial reduction in air pollution but also saving of precious foreign exchange through import substitutions. This policy has laid out indicative targets of achieving 20% blending of ethanol in petrol in the whole country by 2030. The government of India has advanced the target for 20% ethanol blending in petrol (also called E20) from 2030 to 2025.

Accordingly Ministry of Environment, Forest and Climate Change to give a further boost to the Ethanol Blending Program, Grain based distilleries, having Zero Liquid Discharge (ZLD) and setup to produce only ethanol for the purposes of Ethanol Blending Program of the Government, and keeping in view overall environmental, social and economic benefits in production of ethanol from such distilleries including reduction in Green House Gas emissions in comparison to conventional fossil-fuel, less water and air pollution, potential boost to agricultural economy and reduced dependence on imported fossil fuel by equivalent amount, the Central Government deems it necessary to give a special dispensation as regards granting of Environmental Clearances (EC) to such category of projects [Manufacturing of ethanol by Grain Based distilleries with Zero Liquid Discharge, to be used for Ethanol Blended Petrol Programme of the Government], subject to certain conditions.

According to latest MOEFCC notification S. No. 2339(E) dated 16th June, 2021, "*Grain based distilleries with Zero Liquid Discharge producing ethanol; solely to be used for Ethanol Blended Petrol Programme of the Government of India shall be considered under B2 Category*" with condition that the project proponent shall file a notarized affidavit that ethanol produced from proposed project shall be used completely for EBP Programme.

Proposed 250 KLPD Grain based Ethanol Plant along with 6.0 MW Cogeneration Power Plant

At Village Sulikhera, Tehsil Bhattu Kalan, District Fatehabad, Haryana

Form-1 / Appendix-I

The company is submitting the notarized affidavit (self-declaration as mentioned in the Notification dated 16th June, 2021) stating that the new 250 KLPD Grain based Ethanol Plant along with 6.0 MW Cogeneration Power Plant will be completely utilized for production of ethanol only so as to participate in Ethanol blending Programme (EBP) of Government of India (GoI).

In view of the above submissions, we humbly request you to kindly consider our proposal for grant of Environmental Clearance under "B2" Category.

(V) Undertaking

UNDERTAKING

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

Date: 14.12.2021

Place: Kotkapura, Punjab

For Goyal Distillery Pvt Ltd


Director

Shivji Ram Goyal

Director

M/s Goyal Distillery Private Limited

Note:

1. The projects involving clearance under Coastal Regulation Zone Notification, 1991 will submit with the application a C.R.Z. map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t. C.R.Z. (at the stage of ToR) and the recommendations of the State Coastal Zone Management Authority (at the stage of EC). Simultaneous action will also be taken to obtain the requisite clearance under the provisions of the C.R.Z. Notification, 1991 for the activities to be located in the CRZ.
2. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent will submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon (at the stage of EC).
3. All correspondence with the Ministry of Environment & Forests including submission of application for ToR/Environmental Clearance, subsequent clarifications, as may be required from time to time, participation in the EAC Meeting on behalf of the project proponent will be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project.



CIN No. U15549PB2021PTC053816

Email: project@gdplbiofuels.com

PAN No. AAJCG1330K

M: 96466-00759

Corporate Office: B-3,4,5 Focal Point, Kotkapura, Faridkot, Punjab 151204

Project Site: Kidrana Road, Village - SuliKhera, Tehsil-Bhattu Kalan

District Fatehabad, 125053 Haryana

Ref No. GDPL/JM/002/2021

Date: 14.12.2021

TO WHOMSOEVER IT MAY CONCERN

M/S Goyal Distillery Private Limited is setting up a 250 KLPD grain based Dedicated Ethanol Plant at Village Suli Khera, Tehsil Bhattu Kalan, District Fatehabad, Haryana. The Company has purchased landarea of 15.7 acres for the project. Details of the project land are as follows:


Plot/ Survey / Khasra No.:	24//21/2/2 (2-14); 38//1/2 (2-10); 38//2 (8-0); 38//9 (8-0); 38//10 (8-0); 38//11 (8-0); 37//15 (8-0); 37//16 (8-0); 38//12 (8-0); 38//19 (8-0); 38//20(8-0); 37//25 (8-0); 38//21 (8-0); 38//22 (7-8); 43//1 (8-0); 43//2 (7-8); 44//4/2 (1-12); 44//5 (8-0)
Coordinates:	Latitude: 29°22'4.01"N to 29°22'17.15"N Longitude: 75°22'32.65"E to 75°22'41.48"E

As per Haryana Bio-Energy Policy 2018, projects falling under the said policy are exempted from Change of Land Use approval from Town & Country Planning Department. Chapter 3, Clause A, Sub-Clause (III) of Haryana Bio-Energy Policy, 2018 provides: *"These projects shall not require any change of Land Use approval from Town & Country Planning Department/Urban Local Bodies (ULB) Department."*

We have received clarification letter bearing memo No. 13778 dated 02.12.2021 from the nodal agency Department of New & Renewable Energy (HAREDA) that our Ethanol project is covered under the Haryana Bio-Energy Policy and is eligible for the incentives covered under this policy. Accordingly, our project does not require Change of Land Use approval from the Town & Country Planning Department, Haryana.

For M/S GOYAL DISTILLERY PRIVATE LIMITED

For Goyal Distillery Pvt Ltd


Director
Shivji Ram Goyal
(Director)

CIN No. U15549PB2021PTC053816

PAN No. AAJCG1330K

Email: project@gdplbiofuels.com

M: 96466-00759

Corporate Office: B-3,4,5 Focal Point, Kotkapura, Faridkot, Punjab 151204

Project Site: Kidrana Road, Village - Suli Khera, Tehsil-Bhattu Kalan

District Fatehabad, 125053 Haryana

From

The Director General,
New & Renewable Energy Deptt. & HAREDA,
Akshay Urja Bhawan, Institutional Plot no.1,
Sector-17, Panchkula.

To

Goyal Distilleries Pvt. Ltd
B-3,4,5, Focal Point, Kotkapura
Faridkot, Punjab
Email: project@gdplbiofuels.com

Memo. No. 13778 Dated: 02/12/21

Subject: Clarification required regarding Ethanol project in the State of Haryana.

Please refer to your letter dated 25.11.2021 regarding subject cited above.

In this regard, kindly refer to Haryana Bio-Energy Policy, 2018. The objective of policy is to harness biomass based power/ biogas/ bio-CNG/ bio-manure/ bio-fuels etc. as it has huge potential of energy with sustainable environmental benefits through techno-economically viable technologies. This Policy will strive to promote Biomass to bio energy projects based on the technologies approved by MNRE and categorized as biomass based projects for power generation using Rankine cycle, Bio-CNG/bio-gas cum organic manure projects using advanced anaerobic digestion and bio-fuels/ bio ethanol and other innovative technologies etc.

In view of above, it is clarified that this project is covered under the Haryana Bio-Energy Policy, 2018 and are eligible for incentives mentioned in this policy.



(R.S.Poonia)
Project Officer
For Director General
New and Renewable Energy & HAREDA



Haryana Government Gazette

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No. 12-2018] CHANDIGARH, TUESDAY, MARCH 20, 2018 (PHALGUNA 29, 1939 SAKA)

PART-I

Notifications, Orders and Declarations by Haryana Government

HARYANA GOVERNMENT

NEW & RENEWABLE ENERGY DEPARTMENT

Notification

The 9th March, 2018

Haryana Bio-energy Policy 2018

No. 19/06/2018-5P.— The Government of Haryana has formulated Haryana Bio-energy Policy 2018 to promote generation of energy from the surplus biomass in the State. Forgiving effect to this policy, necessary amendments in various policies, rules and regulations, wherever necessary shall be expeditiously undertaken by the concerned department.

CHAPTER-1

INTRODUCTION

- Biomass energy is replenishable over a cycle that may vary from months to years. The biomass produced in agriculture operations is an excellent source of energy and need to be harnessed to save precious conventional fuels.
- Haryana is primarily an agrarian State. Haryana has surplus biomass availability of 8416 thousand tons which has tremendous potential for utilization of the residues of these crops to generate electricity/biogas/ bio-CNG/bio-manure/bio-fuels etc. The State has potential to generate about 1000 MW of power or 11.5 lac ton of bio-CNG.
- The need to promote these projects has been further necessitated due to the aggravated environmental issues because of burning of crop residues in fields.

(376)

- Promoting use of biomass for production of energy including cogeneration, bio-CNG, bio-char and bio-fuels/bio-ethanol will not only help reduce dependence on conventional sources energy thereby reducing import bills but will also help to improve environment & soil health and will also create alternate stream of income to farmers and employment in rural areas.
- The open crop residue/Biomass burning causing the emission of air pollutants such as atmospheric pollutants and gases and ultimately influence the atmospheric quality and climate.
- Biomass based projects, unlike solar and hydro, face the challenge of fuel linkage, so, while promoting these projects due diligence is required for the same.

CHAPTER-2

OBJECTIVES, TARGET & ELIGIBLE TECHNOLOGIES

2.1 Objectives

- To create conducive environment to attract private investment in biomass projects.
- To harness biomass based power/ biogas/ bio-CNG/ bio-manure/ bio-fuels etc. as it has huge potential of energy with sustainable environmental benefits through techno-economically viable technologies.
- To support research and development, demonstration and commercialization of new technologies.

2.2 Target & Eligible Technologies

- 2.2.1 It is proposed to achieve a target of minimum 150 MW biomass based power generation (or equivalent) by 2022.
- 2.2.2 **Eligible Technologies:** This Policy will strive to promote Biomass to bio energy projects based on the technologies approved by MNRE and categorized as biomass based projects for power generation using Rankine cycle, Bio-CNG/bio-gas cum organic manure projects using advanced anaerobic digestion and bio-fuels/ bio ethanol and other innovative technologies etc.

CHAPTER-3

INCENTIVES

The Haryana Government is committed to promote and develop biomass based projects to harness clean power and safeguard environment. It will provide following incentives for such projects set up in the State to eligible project developers:-

A. Land and Clearances for the projects

- (I) Agricultural land shall also be allowed to be used for setting up of biomass based Projects in the State.
- (II) **Panchayat Land on Lease /Rent basis**
The Government of Haryana will facilitate the lease of Panchayat land at reasonable rates directly through Panchayat (as per prevailing Govt. Policy) for setting up of biomass projects for minimum period of 35 years.
- (III) **Exemption from Land use approval, External Development Charges, scrutiny fee and infrastructure development charges.**
- a. These projects shall not require any change of Land Use approval from Town & Country Planning Department/Urban Local Bodies (ULB) Department. The project shall also be exempted from External Development Charges (EDC), scrutiny fee and infrastructure development charges but if special service is required for the biomass project then EDC charges shall be charged on pro-rata basis. The details of such projects will be intimated to the Town & Country Planning Department.
 - b. However, after the expiry of power purchase agreement period or when plant ceases to operate on the land, land use will revert to the original master plan of the area/city/town (i.e. it will convert to the original status of land).
- (IV) The land used in biomass projects will be out of the purview of the Land Ceiling Act of the government.
- (V) 100% exemption from payment of fee and stamp duty charges will be allowed for registration of rent/lease/sale deed for the land required for setting up of these projects in B, C and D category blocks as defined in the Haryana Enterprise Promotion Policy 2015.

-
- (VI) No fee will be charged by the Pollution Control Board for issuing Consent to Establish(CTE) and Consent to Operate(CTO) for such project anywhere in the State. However, these projects will be set up as per the prevalent pollution control norms of the Government.
- (VII) Though, power projects with only air cooled condensers will be allowed under this policy, the Irrigation Department/ Agriculture Department will allow canal/ ground water usage for such projects, except for condenser,at 50% of the charges applicable to industrial units in the State, on priority basis within one month from the date of application by the project developer.

B. Grid Interfacing and Power Evacuation

- (i) The Power producers shall meet with all the requirements, as per the State Grid Code for setting up their projects. For connectivity with grid, the project developers shall connect the Power Plant with the nearest Sub-Station of Transmission/Distribution Licensee and inject the electricity at appropriate voltage of the Sub-Station.
- (ii) For biomass power projects installed for captive use or sale of power to power utilities/third party sale through open access, all arrangements for power evacuation i.e. voltage step up, synchronizing equipments, metering within the project premises shall be done by the Project Developer as per the technical specifications, guidelines and regulation issued by HERC.
- (iii) The State transmission utility or the Transmission/Distribution Licensee shall bear the cost of Extra High Voltage (EHV)/ High Voltage (HV) transmission line up to a distance of 10 km. from the inter-connection point. In case the distance between the inter connection point and point of grid connectivity is more than 10 kms then the cost of transmission line for the distance beyond the 10 kms shall be borne equally between the Independent Power Producer and the licensee.
- (iv) All expenses for power evacuation, Transmission, distribution line and synchronizing equipment required for installation will be as per the orders of the Haryana Electricity Regulatory Commission on Renewable Energy Tariff & other issues, as modified from time to time.
- (v) The cost of any augmentation required after the interconnection point in the grid system of the Transmission/Distribution Licensee shall also be borne by the concerned Transmission/Distribution Licensee.
- (vi) For implementation of such projects, electricity connection shall be provided by the power utilities within seven day from the date of application and it will be ensured that the electricity connection is provided on priority basis so that the project implementation schedule is not delayed.
- (vii) Power utilities will keep on upgrading the capacity of transformer/evacuation facility including the substation from time to time as per the generation requirement.

C. Third party Sale, Wheeling, Banking and Open Access

- (i) In case, the power is to be sold to a third party, the name of such party shall be indicated by the power producer at the time of making an application in the prescribed form of Licensee/Utilities. However, in respect of third party sale, licensee/utilities would have preference over the power generated by the power producers andthereafter, third party sale would be allowed when the surplus power is not being evacuated by the licensee/utilities.
- (ii) Discoms/ Licensees shall permit electricity generated by eligible producers to be wheeled and banked without any charges.
- (iii) The banking facility shall be allowed on annual basis by the Licensee/ Utilities to eligible electricity producers as per HERC Regulations and IPP will pay the difference of Unscheduled Interchange charges (UI charges) at the time of injection and at the time of withdrawal.However, withdrawal of banked power will be allowed only during non-peak hours.If the banked energy is not utilized within a period of twelve months from the date of power banked with the concerned power utilities/ licensee, it will automatically lapse and no charges shall be paid in lieu of such power.
- (iv) The biomass project developer as per the entitlement under the policy will also be allowed inter/intra State open access for Captive (within and outside the premises), sale of power to Discoms and Third party Sale simultaneously.
- (v) Third party sale shall be allowed only after refusal by Discoms/ licensee to purchase the power on the tariff discovered as per orders of HERCfor long term PPA.

D. Tariff/ Purchase Price

- (i) Licensee/ Utilities will purchase electricity offered by the power producers in case of new projects set up after the notification of the present policy at the rate to be decided by the Haryana Electricity Regulatory Commission as per provisions in the New Electricity Act, 2003 and National Tariff Policy 2016. HAREDA shall invite proposals from IPPs through competitive bidding route and the IPPs will be asked to offer their most competitive rate through reverse bidding on the tariff decided by the HERC being the ceiling tariff, on which they want to sell power to the State Power Utilities. The PPA shall be for a period coinciding with the plant life or minimum 35 years, whichever is earlier. Thereafter, the tariff may be further, re-negotiated.
- (ii) For old captive/co-generation projects which are having surplus power to offer for sale to the power utilities, the tariff shall be decided by the HERC.
- (iii) The technologies/resources for which tariff has not been notified by the HERC, the developers shall be required to submit petition to the Commission, for determination of tariff.
- (iv) Regarding standards, purchase price and incentives, in case of bio-fuels/bio-CNG and bio-fertilizers, the policies of the Govt. of India, as applicable from time to time shall be followed.

E. Must Run Status

The biomass projects up to 10 MW capacity set up under this policy shall be treated as “Must Run” power plants and shall not be subjected to Merit Order Dispatch (MoD) principles and will not be asked to back down as this will badly affect their viability and planning for fuel linkage. In case of biomass power projects of 10 MW and above generation capacity, scheduling and dispatch code shall be as per the HERC Regulations.

F. Exemption of Transmission & distribution, cross subsidy charges, surcharges and Reactive Power Charges

All cross subsidy charges, Transmission & distribution charges, surcharges and reactive power charges will be totally waived off for any biomass projects set up in the State.

G. VAT/GST/ Tax Holidays

VAT/GST on the plant and machinery used in setting up of Renewable Energy Power Projects in the State and any other incentives/exemptions shall be as per Government of Haryana notifications from time to time.

H. Octroi on biomass fuels for all projects including bio-CNG, bio-ethanol and bio-fertilizer shall be fully exempted.

I. 100% exemption from entry tax will be allowed in respect of all supplies (including capital goods, structure and raw materials) made for setting up and trial operations of the projects.

J. For efficient collection of biomass for the approved projects, reaper, raiker, baler and trawlers will be provided either on rent or on upfront subsidy as per the schemes of the Agriculture & Farmer Welfare Department, Haryana, in force from time to time.

K. The Agriculture & Farmer Welfare Department, Haryana and State Agriculture Universities will also promote organic fertilisers produced from such projects provided they meet the specifications & standards prescribed for the purpose from time to time. The State Agriculture Universities shall conduct trials to document the results without charging any cost.

L. The State Transport Department shall also promote use of bio-diesel/ bio-fuels in public transport vehicles and shall preferentially purchase the bio-fuels produced from the projects located in the State as per National/ State Policy on Bio-fuels.

M. All projects developed under this policy will be treated as “Industry” in terms of industrial policy of the state and all the incentives available to new industrial projects will be applicable as per Industrial policy of the State, subject to qualifications and approval of the concerned departments, if any, subject to its eligibility.

N. The projects set up under this policy shall be eligible for Central and State Financial Assistance and other exemptions like excise duty and custom duty etc. as applicable from Central and State Governments, subject to eligibility.

CHAPTER-4

NODAL AGENCY AND FACILITATION FOR APPROVAL OF PROJECTS

4.1 Nodal Agency: The Haryana Renewable Energy Development Agency (HAREDA) will be the Nodal Agency to facilitate these projects and implement this Policy. HAREDA shall act as the single window to provide all clearances or arrange clearances for various departments, wherever required. All biomass project developers in the state (including Captive, Cogeneration, IPP and merchant power developers) will be required to submit their project proposals with HAREDA for approval and validation for sale of power in or outside the state.

4.2 Invitation of Proposals & Approval Procedure

- A. In cases where HAREDA has carried out prefeasibility study and the feedstock for the project is under the control of the Government or in cases where competitive bidding is required for purchase of power from such projects, HAREDA shall invite proposals based on competitive bidding.
- B. Before inviting proposals for biomass based renewable energy projects, comments of the Agriculture Department about the availability of the surplus biomass in the area shall be obtained to ensure steady and continuous supply of biomass to the proposed/established projects for which appropriate area demarcation and its allocation/attachment to the specific project will be carried out by the Department of Agriculture and Farmer Welfare keeping in view the fact that such proposed projects are not in conflict with other projects/schemes of the Agriculture Department.
- C. In cases of industrial cogeneration, where the project developer has itself carried out the prefeasibility study for generation of power primarily for captive use and has guaranteed supply of the feed stock, as established by such fuel supply agreements, HAREDA will consider project proposals from such captive project developers, provided that the sale of power from such projects shall be limited to 49% of the total power generated. The tariff for such projects will be decided by the HERC.

In both of the above said cases, following eligibility criterion and procedure will be adopted for approval of the projects:

4.3 Eligibility Criteria and Financial Eligibility

- a. There will be no restriction on generation capacity or supply of electricity to the grid up to Renewable Purchase Obligation(RPO) and tendered capacity.
- b. The project developer may be individual/company/firm/group of companies or a Joint venture/ Consortium of maximum 4 partners having minimum 26% shareholding of leading partner.
- c. The capacity of the proposed projects should not be more than 80% of the potential available in the proposed district as per biomass assessment report or biomass assessment report of HAREDA after taking into account already set up biomass projects and should be supported with a map showing catchment area for the project.
- d. Only projects with new plant and machinery shall be allowed under this policy.

4.4 Documents and Fees

Application in the prescribed format, complete in all respect along with documents to be required as per detail mentioned in the application format alongwith application fee, non-refundable scrutiny fee and performance security fee etc.as specified in the bidding document.

4.5 Approval Procedure

- (a) Technical Appraisal Committee (TAC), with at least one external expert, shall be constituted by the State Govt. to appraise the proposals/bids in terms of technical and financial capabilities, scrutinizing the techno-economic feasibility. The TAC is authorized to seek any additional information from the bidders to supplement the proposals and will submit its report within one month.
- (b) Projects upto 5 MW capacities in case of power generation or upto Rs.50 Cr. investment in other cases will be considered and approved by the Board of Governors of HAREDA on the recommendations of TAC within two months' time with concurrence of Administrative Department.
- (c) For the biomass power projects above 5 MW capacity or above Rs.50 Cr. investment in other cases, a High Powered Committee constituted by the State Govt. under the chairmanship of Administrative Secretary, New & Renewable Energy Department, Haryana (Appendix-I) shall consider the report of Technical Appraisal Committee, shortlist, prioritize and approve / reject the investment proposals for allocation of sites for preparation of Detailed Project Reports (DPR) by the private investors within two months' time. The High Powered Committee can co-opt any other members /experts as its member for a particular meeting with the approval of the Administrative Secretary.

-
- (d) Once the proposal has been approved by the Board of Governors of HAREDA/ High Powered Committee, a Letter of Intent (LoI) will be issued by HAREDA and it will enter into an MOU with the private investors for preparation of DPR and implementation of the project within one month's time after the applicant deposits performance security deposit as specified in the bidding document for timely completion of the project.
 - (e) After approval of DPR by the HAREDA, the project developer is required to enter into PPA with the concerned power utilities/ licensee for the sale of power to it after getting necessary approval from the Haryana Electricity Regulatory Commission (HERC). In case of captive use or third party sale HERC approval not required. However open access permission, if required, needs to be obtained from concerned utility, as per HERC open access Regulations.
 - (f) The Power Producer and the concerned Power Utility/ licensee shall make efforts to enter into Power Purchase Agreement within two months' time from the date of providing the clearance. In case there is delay beyond this period then either party can approach the Haryana Electricity Regulatory Commission for decision in this matter within another two months.
 - (g) If the applicant does not take effective steps to implement the project as per time schedule for submission of DPR, signing of Power Purchase Agreement, Financial Closure of project & execution of project mentioned in the Memorandum of Understanding signed with HAREDA, the allocation could be terminated and the security deposited with the HAREDA shall be forfeited.
 - (h) The project completion time will be 36 months from the date of signing of MoU and the performance security deposit will be refunded in case the project is commissioned within the allowed time. Extension will be allowed by the Director, HAREDA only for the projects where at least 50% of the project cost has been incurred to implement the projects on ground with penalty in the following manner:
 - i. First extension of six months with penalty of 10% of the Bank Guarantee amount.
 - ii. Second extension of three months with penalty of 15% of the Bank Guarantee amount.
 - iii. Third extension of three months with penalty of 25% of the Bank Guarantee amount.
 - iv. In cases where less than 50% of the project cost has been incurred at the end of 36 month, the entire security deposit will be forfeited with no obligation on the State to buy the power from such projects.

CHAPTER-5

OTHER TERMS & CONDITIONS

- 5.1 The other terms and conditions / guidelines mentioned in the State Policy for promoting Generation of Electricity through Renewable Energy Sources dated 23.11.2005 as amended from time to time and Haryana Electricity Regulatory Commission (terms and conditions for determination of tariff from Renewable Energy Sources) Regulations 2010 notified vide no. HERC/23/2010 dated 3.2.2011 and guidelines issued by the CERC / MNRE/GOI from time to time shall also be applicable. Salient features of the Haryana Electricity Regulatory Commission (terms and conditions for determination of tariff from Renewable Energy Sources) Regulations 2010 notified vide no. HERC/23/2010 dated 3.2.2011 are as under:
- a.** Tariff to be determined by the HERC and it will be the ceiling tariff. The Power Utilities shall buy the power through reverse bidding process with the HERC tariff as the upper limit.
 - b.** Project specific tariff to be determined on case to case basis for small hydro, municipal solid waste, poultry litter, mixed waste or any other new renewable energy technology approved by the MNRE,GOI based projects.
 - c.** Grid Connectivity: As per clause B(iii) of Chapter -III.
 - d.** The proceeds of carbon credit from approved CDM Project, after deduction of expenses incurred by the generating company for registration and approval of project as CDM project shall be shared between generating company and concerned beneficiaries in the following manner, namely:
 - i.** 100% of gross proceeds to be retained by the project developer in first year after the date of commercial operation.
 - ii.** In the second year, the share of beneficiary shall be 10% which shall be progressively increased by 10% every year till it reaches 50%, where after the proceeds shall be shared in equal proportion by the generating company and the beneficiaries.

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- e. The Commission shall take into consideration any incentive or subsidy offered by the Central or State Government, including accelerated depreciation benefit if availed by the generating company for the renewable energy power plants while determining the tariff.
- 5.2 All project developers shall be required to submit monthly statement for verification of usage of fuel as detailed out in RE regulations and orders for determination of generic tariff issued by HERC. In addition, monthly information with regard to other parameter like energy generated, revenue earned, power factor and plant load factor achieved, reasons for non-achievement of full generation etc as directed by HAREDA shall also be submitted so as to maintain and update data bank on NRSE generation in the state and also for the purpose of monitoring generation under RPO regulations.
- 5.3 For giving effect to this policy, necessary amendments in various policies, rules & regulations, wherever necessary, shall be expeditiously undertaken by the concerned departments within three months time from the date of its notification.
- 5.4 The Principal Secretary, New & Renewable Energy Department shall have the powers to issue clarification/ amendment / relaxation, if need be, on any matter related to interpretation of any provision in these guidelines after consultation with the concerned Departments/Agencies.

CHAPTER-6

GLOSSARY

- 6.1 Following expressions used in the Policy would have meanings assigned to them as defined hereunder:-
- i. "Act" means Electricity Act 2003, including amendments there to.
 - ii. "APPC" means Average Power Purchase Cost.
 - iii. "Biomass Power Developer" / "BPD" means an entity, which owns facilities or intends to generate electric power for sale to DISCOM of Haryana/Licensees/NVVN /NTPC/ to third party/captive use.
 - iv. "Canal" means feeder, canal, rajbahas, minors, drains, channels and Minor Irrigation Tubewells, Corporation (MITC) Nalas.
 - v. "CEA" means Central Electricity Authority.
 - vi. "CERC" means the Central Electricity Regulatory Commission of India, constituted under sub-section (1) of Section 76 of the Electricity Act, 2003, or its successors.
 - vii. "Central Agency" means National Load Dispatch Centre (NLDC) as designated by the Central Electricity Regulatory Commission vide order dated 29.01.2010 for the purposes of the REC Regulations.
 - viii. "CDM" means Clean Development Mechanism.
 - ix. "DISCOM of Haryana" means a distribution licensee, such as Uttar Haryana Bijli Vitran Nigam Ltd.(UHBVNL), Panchkula and Dakshin Haryana Bijli Vitran Nigam Ltd. (DHBVNL), Hisar.
 - x. "DPR" means Detailed Project Report.
 - xi. "Government" and "State" means the Government of Haryana and the State of Haryana respectively.
 - xii. "IREDA" means Indian Renewable Energy Development Agency.
 - xiii. "Licensee" includes a person deemed to be a licensee under Section 14 of the Act.
 - xiv. "MNRE" means Ministry of New and Renewable Energy, a Central Government Ministry responsible to develop and deploy new and renewable energy for supplementary energy requirement of the country.
 - xv. "MOU" means Memorandum of Understanding.
 - xvi. "Nodal agency" means Haryana Renewable Energy Development Agency (HAREDA) or any other agency designated by Government of Haryana for promotion of electricity generation from renewable energy sources.
 - xvii. "PPA" means Power Purchase Agreement.

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- xviii. "REC Regulation" or "CERC REC Regulation" means Central Electricity Regulatory Commission (Terms & Condition for recognition and issuances of Renewable Energy Certificate for Renewable Energy Generation) Regulation, 2010 notified by CERC vide Notification dated 14.1.2010 and amended from time to time.
- xix. "Renewable Energy Certificate" or "REC" means the Renewable Energy (Solar) Certificate issued by the Central Agency in accordance with the procedure prescribed by it and under the provision specified in the Central Electricity Regulatory Commission (Terms & Conditions for recognition and issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulation, 2010.
- xx. "HERC"/"Commission" means Haryana Electricity Regulatory Commission.
- xxi. "RPO" means Renewable Purchase Obligation.
- xxii. "Biomass Power Plant" means a power plant utilizing biomass or agri residue for generating of electricity.
- xxiii. "Tariff" means the schedule of charges for generation, transmission, wheeling and supply of electricity together with terms and conditions for application thereof.
- xxiv. "TOD" means Time of Day in Hours.
- xxv. "UI Charges" means unscheduled Interchange charges.
- xxvi. "EHV" means Extra High Voltage.
- xxvii. "HV" means High Voltage.
- xxviii. "MW" means Mega Watt.
- xxix. "KWp" means Kilo Watt Peak.
- xxx. "LOI" means Letter of Intent.
- xxxi. "HPPC" means Haryana Power Purchase Centre.
- 6.2 All other words and expressions used here in and not defined shall have the meanings respectively assigned to them in the Electricity Act-2003.

ANKUR GUPTA,
Principal Secretary to Government Haryana,
New & Renewable Energy Department.

HIGH POWERED COMMITTEE EMPOWERED FOR SANCTION OF RENEWABLE ENERGY POWER PROJECTS ABOVE 5 MW.

1.	Administrative Secretary, New & Renewable Energy Department, Haryana	Chairman
2.	Chairman, HAREDA	Member
3.	Special Secretary, Finance Department	Member
4.	Managing Director, UHBVN/HPPC	Member
5.	Director, Agriculture & Farmer Welfare Department	Member
6.	Director, Industries & Commerce Department	Member
7.	Director, Environment Department	Member
8.	Director General, New & Renewable Energy Deptt.	Member Secretary