

# USER MANUAL

## GRIDCO RENEWABLE ENERGY PORTAL



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## 1. INTRODUCTION

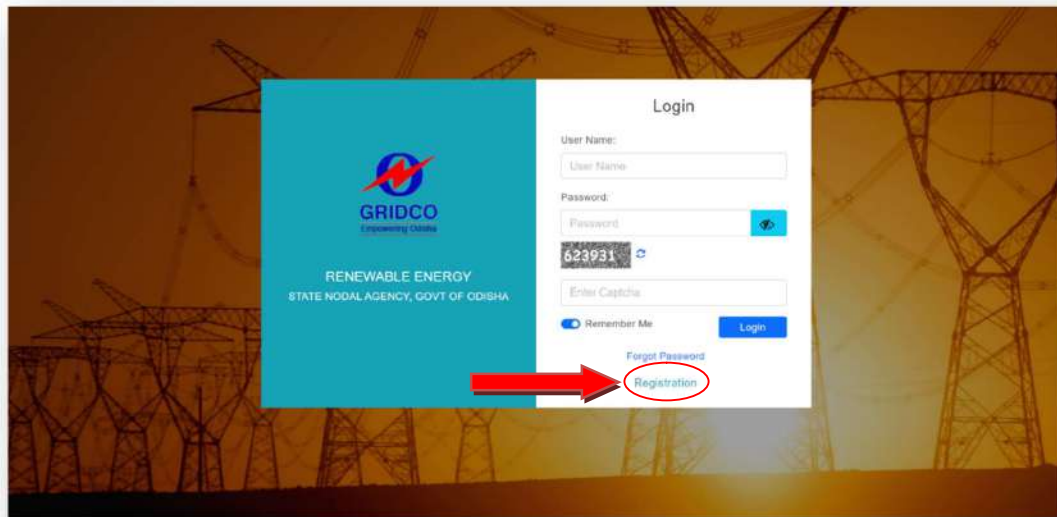
- GRIDCO Ltd. (formerly known as Grid Corporation of Odisha Ltd.), the State designated entity for Bulk Power Procurement of DISCOMs, is assigned with the task of compliance of Renewable Power Purchase Obligation (RPO) for the Discoms and other Obligated Entities.
- GRIDCO plans its future Power Procurements in advance to meet the Demand of DISCOMs, taking care of Energy Mix necessary for compliance of RPO, gestation period for respective types of sources and impact on Retail Tariff. As on July, 2023, GRIDCO has contracted 5,828 MW of RE capacity including large Hydro to meet its present and future RPO, out of the Contracted Capacity 3,830 MW has already been installed.
- GRIDCO has been nominated as the State Nodal Agency for implementation of Odisha Renewable Energy Policy, 2022, with prime focus on development of Renewable Projects in the State and a vision of setting up 10,000MW capacity of RE Projects in the State.
- Odisha Renewable Energy Policy, 2022 has provided for Uniform RPO for all the Obligated Entities including Industries availing Power through Open Access and from their CGPs. GRIDCO shall act as the aggregator for procurement of such RE Power for the Industries.

## 2. OBJECTIVE

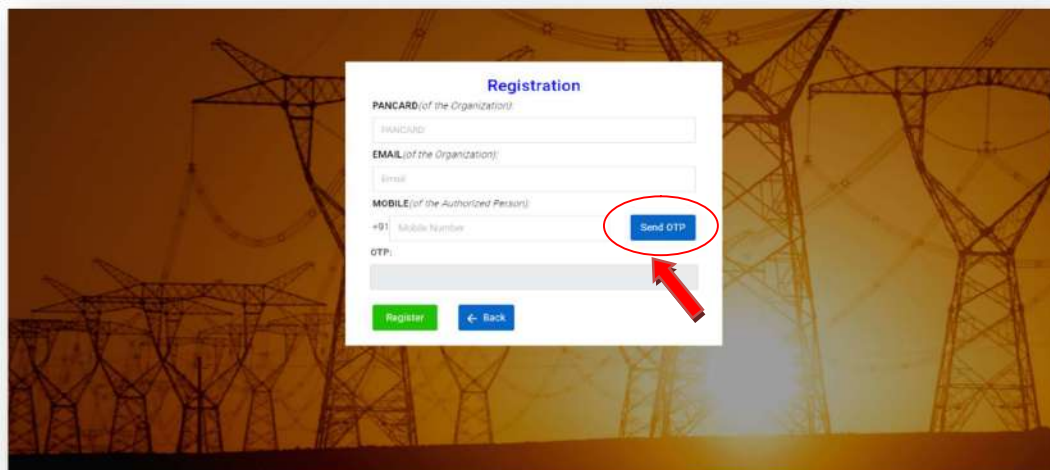
- To accelerate adoption of clean energy alternatives and decarbonize the energy sector which includes both grid-based electricity consumption and captive consumption of industrial consumers in the State.
- To harness the clean energy potential of the State and make best use of the available resources by facilitating development of green energy projects in the State.
- To attract investment in the clean energy sector, create job opportunities and develop the State economy.
- To facilitate R&D and promote new initiatives & emerging RE technologies in the State.
- This document provides general information and instructions that intend to guide users of the GRIDCO renewable energy portal to apply for renewable energy projects.
- This document should be accessible and read by end users of the GRIDCO Renewable Energy Portal.

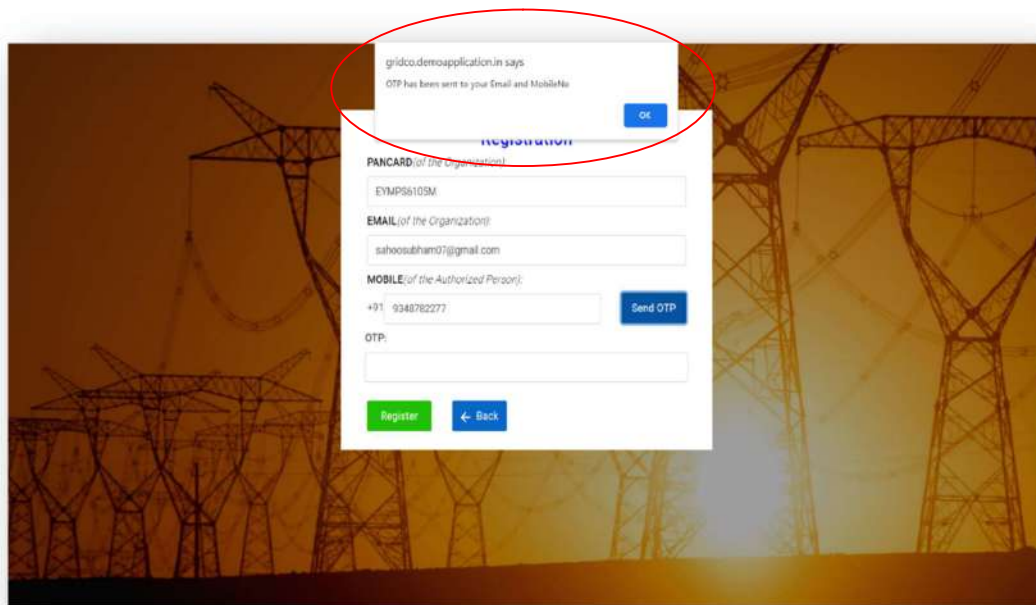
### 3. REGISTRATION

- Every user must register with the GRIDCO Renewable Energy Portal in order to use the functions in the portal.
- Enter the GRIDCO Renewable Energy Portal URL (<https://portalgreenenergyinvest.odisha.gov.in/>) in the Browser and below click on "Registration".



- Enter the organization PAN Card, Organization Email ID, and Authorized Person Mobile number, and then click on "Send OTP" to authenticate the mobile number.

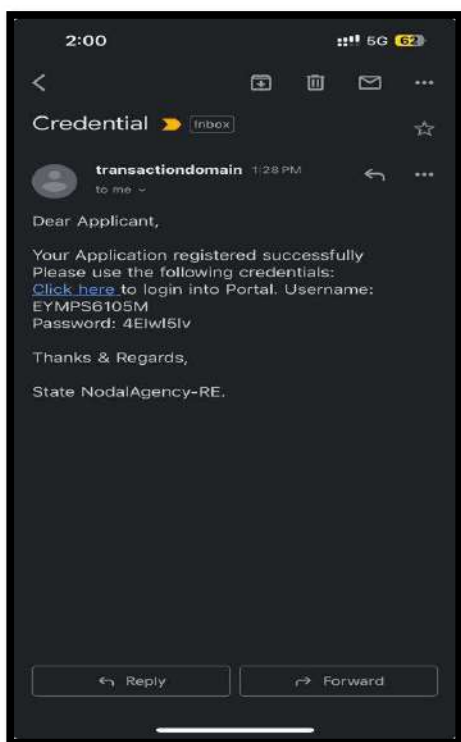




- After clicking on **Send OTP**, OTP will be sent to the provided mobile number.



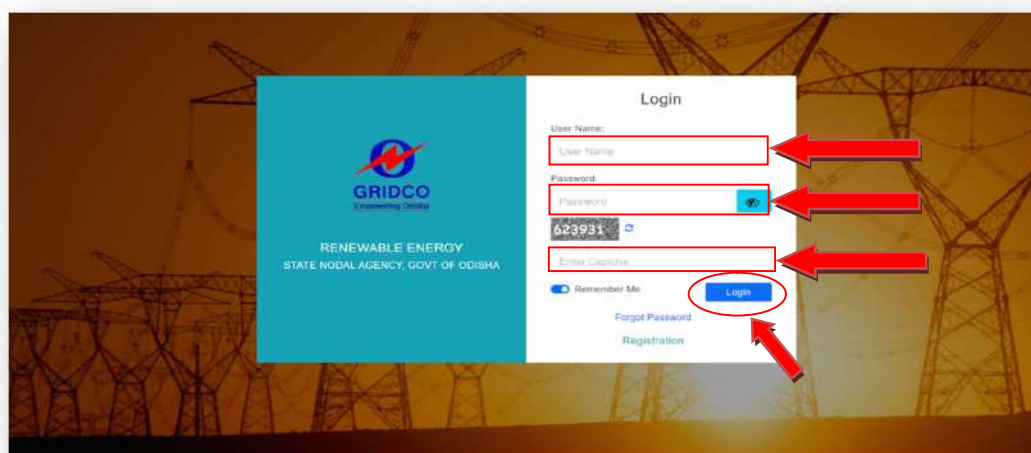
- Please enter the same OTP which is received in the provided mobile number and then click on "**Register.**"



- There is a link that will be sent to the registered email address with the username and password as the login credentials.
- Once the credential is received, please use the same for the initial login.
- If the credential is not received the provided email address, then kindly recheck the mail in the Spam section.
- If still you are not gated the email, then might you have provided wrong email address. Kindly contact support team to verify.

#### 4. LOGIN


- The user can enter the complete URL of the GRIDCO renewable energy portal (<https://portalgreenenergyinvest.odisha.gov.in/>) in the browser. Then the below-mentioned page will be displayed.
- Enter the Username, Password, and Captcha Code (**All 3 fields are mandatory**).



- If you want to save the password then click on **“Remember Me”** otherwise turn off the same and click on **“Login”**.



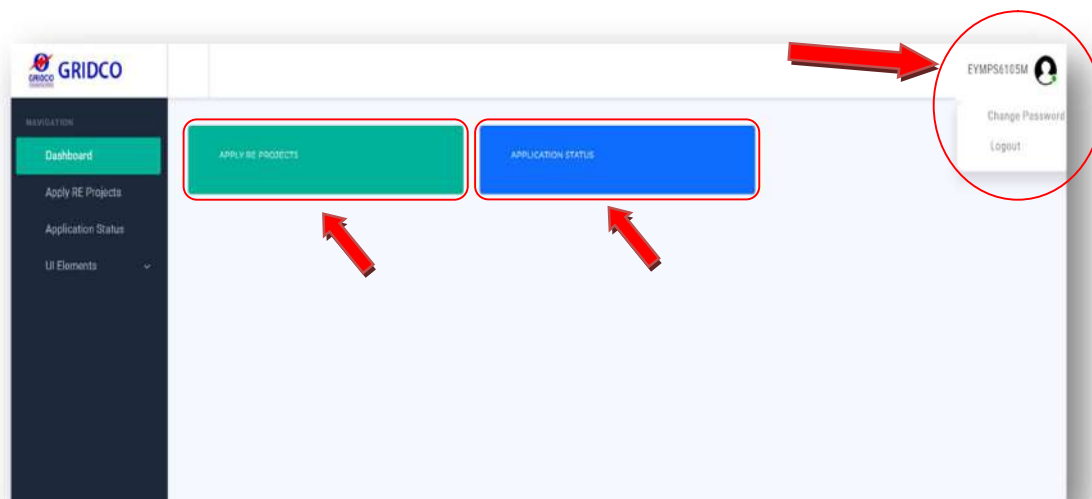
## 5. FORGOT PASSWORD



- If you have forgotten your password, you may reset it by clicking "**Forgot password**" from the login page.
  - Enter the username and new password, and below confirms the same password.
  - Click on "**Update.**"
  - Once it is updated, you can use the same password for further usage.

## 6. DASHBOARD

- After login one will be able to see the dashboard screen. The dashboard includes options like "**Apply RE Projects,**" an "**Application Status**" tab, and on the right side, by clicking on the profile tab, there are options for "**Change Password**" and "**Logout**".



- **Apply Re Projects:** This option allows you to submit applications for various projects, providing an opportunity to engage with and contribute to ongoing initiatives.
- **Application Status:** Access this tab to track the status of your submitted project applications, keeping you informed about the progress and decisions.
- **Change Password:** Use this option to update your current password, ensuring the security of your account and maintaining confidentiality.
- **Logout:** Clicking on this option securely logs you out of your account, enhancing privacy and preventing unauthorized access when you're not actively using the dashboard.

## 7. APPLY RE PROJECTS

This option allows you to submit applications for various projects, providing an opportunity to engage with and contribute to ongoing initiatives.



- Clicking on "**Apply RE Projects**" opens the Important Instructions page, providing comprehensive details on required documents and bank information for the application.
- By clicking "**OK**", it will open the application form for **Part-A**, and by clicking "**Back**", it will go back to the Dashboard page.
- The detailed application form guides are explained below.



## PART- A (GENERAL INFORMATION)

### 1. NAME & ADDRESS

**APPLICATION FORM FOR DEVELOPMENT OF  
RENEWABLE ENERGY PROJECTS IN ODISHA**

**PART - A**  
**GENERAL INFORMATION**

**1. NAME & ADDRESS**

NAME OF THE DEVELOPER : *	MOBILE : *	PIN : *
<input type="text"/>	<input type="text" value="9348782277"/>	<input type="text"/>
FAX :	E-MAIL : *	AREA CODE - PHONE :
<input type="text"/>	<input type="text"/>	<input type="text"/> - <input type="text"/>
ALTERNATIVE MOBILE :	ADDRESS FOR CORRESPONDENCE : *	
<input type="text"/>	<input type="text"/>	

1. **Name of the Developer:** Enter the authorized person's name.
2. **Mobile number:** It will be prefilled as a registered mobile number.
3. **Pin:** area pin code of the project place.
4. **Fax:** Enter the fax number.
5. **Email ID:** Enter the registered email ID.
6. **Area code phone:** Enter the landline number.
7. **Alternative mobile:** Enter the alternative mobile number.
8. **Address for correspondence:** Enter the project place address.

### 2. PROJECT DETAILS

**2. PROJECT DETAILS**

NAME : *	PROJECT CATEGORY : *	CAPACITY (MW) : *
<input type="text"/>	<div style="border: 1px solid #ccc; padding: 2px;">             Select ...             <div style="background-color: #0056b3; color: white; padding: 2px;">                 Select ...             </div> <div style="background-color: #0056b3; color: white; padding: 2px;">                 New             </div> <div style="background-color: #0056b3; color: white; padding: 2px;">                 Expansion             </div> </div>	<input type="text"/>

**3. PROJECT LOCATION**

- Enter the project details as per the category.

- **Name:** Enter the project name.
- **Project Category:**
  - **New-** Applying for a new project.
  - **Expansion-** If an existing customer wants to expand the business.
- **Capacity (MW):** Enter the capacity in megawatts.

- **PROJECT CATEGORY- EXPANSION**

If a current client wishes to grow the firm, choose the "**Expansion**" project category.



The screenshot shows a form titled "2. PROJECT DETAILS" with three input fields: "NAME : \*", "PROJECT CATEGORY : \*", and "CAPACITY (MW) : \*". The "PROJECT CATEGORY" dropdown menu is open, showing "Expansion" as the selected option.

- **PROJECT CATEGORY- NEW**

If the project category is selected as "**New**", it will give the 3 subcategories as below.

- Renewable Energy
- Energy Storage
- Green Hydrogen & Green Ammonia



The screenshot shows the "2. PROJECT DETAILS" form with "PROJECT CATEGORY" set to "New". The "SUB CATEGORY" dropdown menu is open, displaying three options: "Renewable Energy", "Energy Storage", and "Green Hydrogen & Green Ammonia".

- **SUB CATEGORY- RENEWABLE ENERGY**

The Sub Category (screenshots) of "**Renewable Energy**" is provided below; please check the same reference while filling out the form.

## ▪ Renewable Sub Category

**2. PROJECT DETAILS**

NAME : *	PROJECT CATEGORY : *	SUB CATEGORY : *
<input type="text"/>	New	Renewable Energy
RENEWABLE SUB CATEGORY : *	HYDRO CATEGORY : *	CAPACITY (MW) : *
Hydro	Select ...	<input type="text"/>
Select ... Hydro Solar Biomass Wind Other		
	TAHASIL : *	DISTRICT : *
	<input type="text"/>	<input type="text"/>

## ▪ Hydro

**2. PROJECT DETAILS**

NAME : *	PROJECT CATEGORY : *	SUB CATEGORY : *
<input type="text"/>	New	Renewable Energy
RENEWABLE SUB CATEGORY : *	HYDRO CATEGORY : *	CAPACITY (MW) : *
Hydro	Select ...	<input type="text"/>
	Select ... PSP Large Small	
	<b>3. PROJECT LOCATION</b>	

## ▪ Solar

**2. PROJECT DETAILS**

NAME : *	PROJECT CATEGORY : *	SUB CATEGORY : *
<input type="text"/>	New	Renewable Energy
RENEWABLE SUB CATEGORY : *	SOLAR CATEGORY : *	CAPACITY (MW) : *
Solar	Select ...	<input type="text"/>
	Select ... Roof Top Ground Mounted Floating Solar	
	<b>3. PROJECT LOCATION</b>	

- **Biomass**

**2. PROJECT DETAILS**

NAME : *	PROJECT CATEGORY : *	SUB CATEGORY : *
<input type="text"/>	New	Renewable Energy
RENEWABLE SUB CATEGORY : *	CAPACITY (MW) : *	
Biomass	<input type="text"/>	

- **Wind**

**2. PROJECT DETAILS**

NAME : *	PROJECT CATEGORY : *	SUB CATEGORY : *
<input type="text"/>	New	Renewable Energy
RENEWABLE SUB CATEGORY : *	CAPACITY (MW) : *	
Wind	<input type="text"/>	

- **Other**

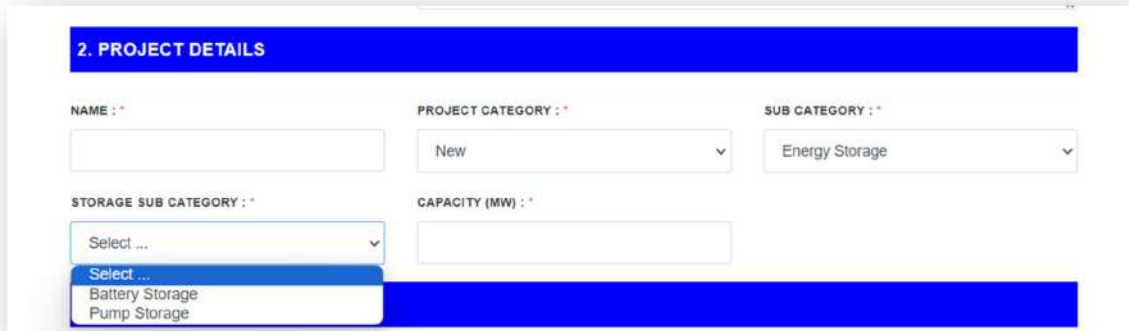
If your requirement is not available inside the Renewable sub category tab, then please select Other, and on the “**Other**” tab, enter the Renewable sub category as per your requirement.

**2. PROJECT DETAILS**

NAME : *	PROJECT CATEGORY : *	SUB CATEGORY : *
<input type="text"/>	New	Renewable Energy
RENEWABLE SUB CATEGORY : *	OTHER : *	CAPACITY (MW) : *
Other	<input type="text"/>	<input type="text"/>

- **SUB CATEGORY- ENERGY STORAGE**

The Sub Category (screenshot) of “**Energy Storage**” is provided below; please check the same reference while filling out the form.




The screenshot shows a form titled "2. PROJECT DETAILS". It contains the following fields:

- NAME :** \* (text input)
- PROJECT CATEGORY :** \* (dropdown menu with "New" selected)
- SUB CATEGORY :** \* (dropdown menu with "Energy Storage" selected)
- STORAGE SUB CATEGORY :** \* (dropdown menu with "Select ..." selected, showing a list with "Battery Storage" and "Pump Storage")
- CAPACITY (MW) :** \* (text input)

- **SUB CATEGORY- GREEN HYDROGEN & GREEN AMMONIA**

The Sub Category (screenshot) of “**Green Hydrogen & Green Ammonia**” is provided below; please check the same reference while filling out the form.



The screenshot shows a form titled "2. PROJECT DETAILS". It contains the following fields:

- NAME :** \* (text input)
- PROJECT CATEGORY :** \* (dropdown menu with "New" selected)
- SUB CATEGORY :** \* (dropdown menu with "Green Hydrogen & Green Ammonia" selected)
- CAPACITY (MW) :** \* (text input)

- **PROJECT CATEGORY- EXPANSION**

If the project category is selected as “**Expansion**”.



The screenshot shows a form titled "2. PROJECT DETAILS". It contains the following fields:

- NAME :** \* (text input)
- PROJECT CATEGORY :** \* (dropdown menu with "Expansion" selected)
- CAPACITY (MW) :** \* (text input)

### 3. PROJECT LOCATION

Enter the below information about the project location.

- Place / Town
- Tahasil
- District



### 4. ORGANIZATION DETAILS

- Select the Organization registration type from the below tab.



- If the registration type is not available inside the tab, then please select the “**Type of Organization**” as “**Others,**” and on the “**Other Organization**” tab, enter the registration type manually.





## 5. INVESTMENT / PROJECT COST( RS IN LAKH)

- Enter the project cost details and upload the relevant documents by using the below tab.
- Users have to provide the project cost in detail.
- In the “Add” option, there is a “+” symbol, which creates multiple tabs to provide more details and documents.

### Example:

- Land including land development
- Building & civil construction
- Plant and machinery(indigenous) (in lakh)
- Plant and machinery(imported) (in lakh)
- Other fixed assets
- Etc...

### ➤ Note: UPLOAD DOCUMENT MAX(5MB)

**5. INVESTMENT / PROJECT COST( RS IN LAKH )**

LAND INCLUDING LAND DEVELOPMENT : \*

BUILDING & CIVIL CONSTRUCTION : \*

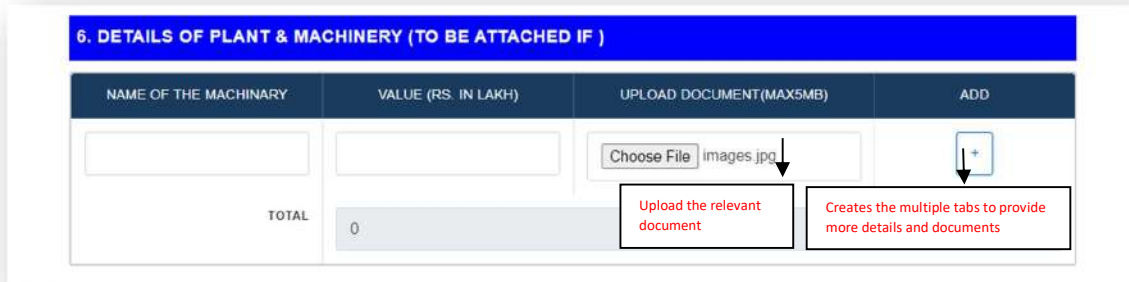
PLANT AND MACHINERY (INDIGENOUS) (IN LAKH) *	PLANT AND MACHINERY (IMPORTED) (IN LAKH)	SUB TOTAL (IN LAKH)	UPLOAD DOCUMENT MAX(5MB)	ADD
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	Choose File No fil...hosen	+
TOTAL (SUB-TOTAL) (IN LAKH)		0	Upload the relevant document	Creates the multiple tabs to provide more details and documents

OTHER FIXED ASSETS	AMOUNT (IN LAKH)	UPLOAD DOCUMENT (MAX 5MB)	ADD
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	Choose File No fil...hosen	+
TOTAL OTHER ASSET AMOUNT		0	Upload the relevant document
TOTAL ESTIMATED COST		0	Creates the multiple tabs to provide more details and documents

## 6. DETAILS OF PLANT & MACHINERY (TO BE ATTACHED IF )

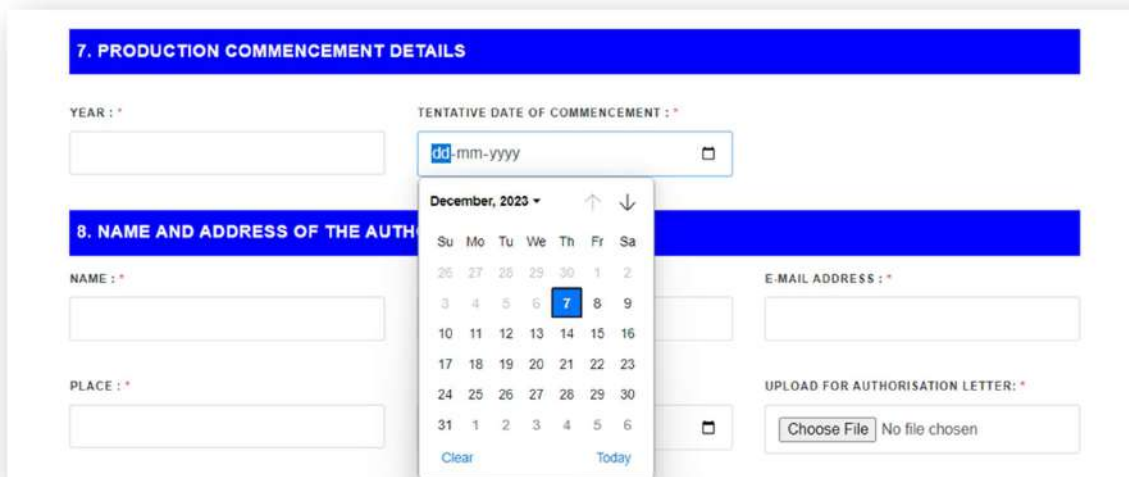
Please provide the details of the plant & machinery including the documents by referring the below tab.



NAME OF THE MACHINERY	VALUE (RS. IN LAKH)	UPLOAD DOCUMENT (MAX5MB)	ADD
		Choose File images.jpg	+ (Add button)
TOTAL		0	

## 7. PRODUCTION COMMENCEMENT DETAILS

Enter the commencement date of the project.



## 8. NAME AND ADDRESS OF THE AUTHORIZED PERSON

The authorized person / user has to provide the below details:

- Name
- Contact No
- Email Address
- Place
- Date
- Upload for Authorization Letter

**8. NAME AND ADDRESS OF THE AUTHORIZED PERSON**

NAME : \*  CONTACT NO : \*  E-MAIL ADDRESS : \*

PLACE : \*  DATE : \*

UPLOAD FOR AUTHORISATION LETTER : \*  No file chosen

**9. BRIEF DETAILS OF COMPANY (IN 1000 CHARACTERS)**

**10. PROPOSAL IN BRIEF (WITHIN 1000 CHARACTERS)**

**9. BRIEF DETAILS OF COMPANY (IN 1000 CHARACTERS)**

Enter the company details in brief.

**9. BRIEF DETAILS OF COMPANY (IN 1000 CHARACTERS) :**

**10. PROPOSAL IN BRIEF (WITHIN 1000 CHARACTERS)**

Enter the project proposal in brief.

**10. PROPOSAL IN BRIEF (WITHIN 1000 CHARACTERS) :**

**11. BOARD OF DIRECTORS**

- Enter the board of directors' details.
- On the right side, there is a "+" symbol available under the "Add" option. Click on that symbol to add multiple board of directories details.

**11. BOARD OF DIRECTORS**

NAME	DESIGNATION	ADD
<input type="text"/>	<input type="text"/>	<input style="border: 1px solid #0056b3; width: 20px; height: 20px; display: inline-block; vertical-align: middle;" type="button" value="+"/>

## 12. EXISTING BUSINESS AREA OF THE COMPANY / GROUP

Enter the existing business area of the company.

**12. EXISTING BUSINESS AREA OF THE COMPANY / GROUP : \***

## 13. INFRASTRUCTURE REQUIREMENT UNIT

- Enter the infrastructure requirement unit details.
  - **Land**- In Acre or Hectare
  - **Water**- In KLDP (Kilo Litre Per Day) or MLPY (Mega Liter Per Year)
  - **Power**- KW or KWA

**13. INFRASTRUCTURE REQUIREMENT UNIT**

I.LAND *	<input type="text"/>	Acre <span style="float: right;">▼</span>
II.WATER *	<input type="text"/>	KLDP(Kilo Litre Per Day) <span style="float: right;">▼</span>
III.POWER *	<input type="text"/>	KW <span style="float: right;">▼</span>

## 14. EMPLOYMENT POTENTIAL

- Enter the direct and indirect employee details.
  - Management & Office Staff
  - Supervisory & Workers
- After providing all the details, click on the **“Next”** tab for the next page. If the user wants to go back to the previous page, he can click on the **“Back”** tab below.

**14. EMPLOYMENT POTENTIAL**

	DIRECT	INDIRECT
MANAGEMENT & OFFICE STAFF : *	<input type="text"/>	<input type="text"/>
SUPERVISORY & WORKERS : *	<input type="text"/>	<input type="text"/>
<b>TOTAL *</b>	<input type="text"/>	<input type="text"/>

BACK

NEXT

## PART- B (INFORMATION ON INFRASTRUCTURE REQUIRED)

### 1. LAND REQUIREMENT (IN ACRE)

- Enter the existing and proposed land requirements in acres (Any one of them).
  - Own
  - IDCO land
  - Government land
  - Acquisition of private agriculture land
  - Acquisition of private industrial land
  - Land taken on rent/ lease
  - Any other category of land
- Provide the information below as well.
  - Built up area
  - Open area
- In the “Add” option, there is a “+” symbol, which creates multiple tabs to provide more details and documents.

**Note: Please specify, if forest land, mineral bearing land, schedule area etc., incl. unidentified land.**

**APPLICATION FORM FOR DEVELOPMENT OF  
RENEWABLE ENERGY PROJECTS IN ODISHA**

**PART-B**  
**INFORMATION ON INFRASTRUCTURE REQUIRED**

1. LAND REQUIREMENT (IN ACRE)				
SL.	LAND	EXISTING	PROPOSED	
a	OWN	<input type="text"/>	<input type="text"/>	
b	IDCO LAND	<input type="text"/>	<input type="text"/>	
c	GOVERNMENT LAND	<input type="text"/>	<input type="text"/>	
d	ACQUISITION OF PRIVATE AGRICULTURE LAND	<input type="text"/>	<input type="text"/>	
e	ACQUISITION OF PRIVATE INDUSTRIAL LAND	<input type="text"/>	<input type="text"/>	
f	LAND TAKEN ON RENT/ LEASE	<input type="text"/>	<input type="text"/>	
g	ANY OTHER CATEGORY OF LAND	<input type="text"/>	<input type="text"/>	
(PLEASE SPECIFY, IF FOREST LAND, MINERAL BEARING LAND, SCHEDULE AREA ETC., INCL. UNIDENTIFIED LAND)				
TOTAL :		<input type="text"/>	<input type="text"/>	
I. BUILT UP AREA		<input type="text"/>	<input type="text"/>	
II. OPEN AREA		<input type="text"/>	<input type="text"/>	

**UPLOAD LAND DOCUMENTS**

NAME OF DOCUMENT	UPLOAD DOCUMENT(MAX:5MB)	ADD
<input type="text"/>	<input type="button" value="Choose File"/> No file chosen	<input type="button" value="+"/>

## 2. POWER REQUIREMENT

- Fill in the details about the power requirements.
  - Power requirement unit- in KVA/ KW
  - Existing customer- if no, select as no, and if yes, fill-up consumer number and select name of discom

### 2. POWER REQUIREMENT

POWER REQUIREMENT (IN KVA/ KW) : \*

UNIT :  
KVA

EXISTING CUSTOMER (IF YES FILLUP CONSUMER NUMBER & NAME OF DISCOM) : \*

I. CONSUMER NO : \*

II. NAME OF DISCOM : \*

## 3. EVACUATION OF GENERATED POWER

- Fill in the tabs with the generated power evacuation information.

### 3. EVACUATION OF GENERATED POWER

INSTALLED CAPACITY : \*

UNIT :  
MW

ENERGY PROPOSED TO BE GENERATED (PER ANNUM) : \*

UNIT :  
MU

GENERATING SUB-STATION CAPACITY : \*

VOLTAGE OF TRANSMISSION : \*

TRANSMISSION LINE LENGTH IN CIRCUIT KMS : \*

NAME AND LOCATION OF THE SUB-STATION OF STU FOR GRID CONNECTIVITY : \*

WHETHER PERMISSION FOR CONNECTIVITY OBTAINED FROM STU/ CTU, IF YES PLEASE ENCLOSE(MAX 5MB) : \*

UPLOAD FILE \*

 No file chosen



- Installed capacity
- Unit in MW/MVA
- Energy proposed to be generated (per annum)
- Unit in MU/KW
- Generating sub-station capacity
- Voltage of transmission
- Transmission line length in circuit KMS
- Name and location of the sub-station of STU for grid connectivity
- Whether permission for connectivity obtained from STU/ CTU, if yes please enclose (max 5MB) or if no, select as no
- Upload file

#### 4. **SALE OF ENERGY**

- Select the sale of energy type from the provided options and upload the PPA copy.



#### 5. **WATER REQUIREMENT (IN K. LTRS)**

- Enter the existing and proposed water requirements per day in K. LTRS.
  - Industrial use
  - Domestic use
  - Others
- Enter the existing and proposed source of water supply in K. LTRS.
  - Surface water
  - Ground water
  - Waste water

5. WATER REQUIREMENT (IN K.LTRS) *		
WATER REQUIREMENT PER DAY	EXISTING	PROPOSED
INDUSTRIAL USE	<input type="text"/>	<input type="text"/>
DOMESTIC USE	<input type="text"/>	<input type="text"/>
OTHERS	<input type="text"/>	<input type="text"/>
TOTAL	<input type="text"/>	<input type="text"/>
SOURCE OF WATER SUPPLY	EXISTING	PROPOSED
SURFACE WATER	<input type="text"/>	<input type="text"/>
GROUND WATER	<input type="text"/>	<input type="text"/>
WASTE WATER	<input type="text"/>	<input type="text"/>

#### 6. PLOT NO. KHATA NO. & MOUZA (IN CASE OF GROUND WATER)

- Enter the plot number, khata number, and mouza if the water comes from a groundwater source.
- Click "Next" to proceed to the following page after entering all the requested information, or click "Previous" to return to the previous page.

6 : PLOT NO. KHATA NO. & MOUZA (IN CASE OF GROUND WATER) : \*

### PART- C (FINANCIAL DETAILS)

#### 1. STATUTORY REGISTRATIONS

Please upload the necessary files and input the company's Statutory Registration information.

- GST REGD. NO.
- IT PAN NO.

- WHETHER INCOME TAX ASSESSE: Mark "Yes" if the answer is yes; mark "No" if it is not. Choose "No" and include the following details: "**WHETHER THE PROMOTER IS AN ASSESSE**".
- Please State the Year Up to Which Assessment Made (Copies of IT returns for the last 3 years to be submitted/uploaded).
- The "+" sign is accessible under the "Add" option on the right side. To add numerous assessments made years and upload the necessary documentation, click that symbol.

**APPLICATION FORM FOR DEVELOPMENT OF  
RENEWABLE ENERGY PROJECTS IN ODISHA**

**PART - C  
FINANCIAL DETAILS**

**1 .STATUTORY REGISTRATIONS: \***

GST REGD. NO. : \*

(PLEASE ATTACH/UPLOAD COPY) : \*

Choose File No file chosen

View

IT PAN NO. : \*

(PLEASE ATTACH/UPLOAD COPY)(MAX 5MB) : \*

Choose File No file chosen

View

WHETHER INCOME TAX ASSESSE : \*

Yes ▼

Please State The Year Up To Which Assessment Made (Copies of IT returns for the last 3 years to be submitted/uploaded)

YEAR	UPLOAD DOCUMENT(MAX 5MB) *	ADD
2023-24 <span style="float: right;">▼</span>	<div style="border: 1px solid #ccc; padding: 2px; display: flex; align-items: center;"> <span style="border: 1px solid #ccc; padding: 2px 5px;">Choose File</span> No file chosen           </div> <p style="font-size: small; color: #00aaff;">View</p>	<div style="border: 1px solid #00aaff; padding: 5px; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">+</div>

**2. PRESENT ACTIVITY / BUSINESS CARRIED ON BY THE APPLICANT / PROMOTER**

The information has already been prefilled.

**2. PRESENT ACTIVITY / BUSINESS CARRIED ON BY THE APPLICANT / PROMOTER : \***

dgfhgfgf

**3. DETAILS OF TURNOVER OF THE ORGANIZATION IN LAST 3 YEARS**

Please provide the organization's turnover statistics for the previous three years.

- The "+" symbol can be found beneath the "Add" option on the right. Click that icon to add more information on the organization's turnover and to upload the required files.
- Copies of the P&L A/ C & annual report to be attached/uploaded.

3. DETAILS OF TURNOVER OF THE ORGANIZATION IN LAST 3 YEARS : \*

PARTICULARS	TURN OVER AMOUNT	PROFIT AFTER TAX	NET WORTH	FREE RESERVE	UPLOAD DOCUMENT	ADD
2023-24					<input type="button" value="Choose File"/> No file chosen <a href="#">View</a>	+

(COPIES OF THE P&L A/ C & ANNUAL REPORT TO BE ATTACHED/UPLOADED)

#### 4. DETAILS OF EQUITY AND FREE REVENUES (NET WORTH) FOR LAST 3 YEARS

Please upload the pertinent file and provide information about equity and free revenues (net worth) for the previous three years.

- The "Add" option has the "+" symbol below it. Click that icon to add further information about the equity and free revenues, as well as to upload the required files.

4. DETAILS OF EQUITY AND FREE REVENUES (NET WORTH) FOR LAST 3 YEARS : \*

YEAR	AMOUNT( IN LAKH)	UPLOAD DOCUMENT (MAX 5MB)	ADD
2023-24		<input type="button" value="Choose File"/> No file chosen <a href="#">View</a>	+

#### 5. WHETHER, THE PLANT WILL BE SETUP IN THE NAME OF EXISTING COMPANY OR JV OR NEW

Please indicate if the plant will be set up in the name of existing company or jv or new.

5. WHETHER, THE PLANT WILL BE SETUP IN THE NAME OF EXISTING COMPANY OR JV OR NEW : \*

## 6. FINANCING PLAN

Kindly submit the financial plan, which includes the term loan (Debt) and equity.

6. FINANCING PLAN : \*

PARTICULARS	PERCENTAGE(%) *	AMOUNT (RS IN LAKHS) *
a) Equity	<input style="width: 80%;" type="text" value="50.00"/>	<input style="width: 80%;" type="text" value="11.00"/>
b) Term Loan(Debt)	<input style="width: 80%;" type="text" value="50.00"/>	<input style="width: 80%;" type="text" value="11.00"/>

## 7. PRELIMINARY REPORT(PFR/DPR)

Kindly submit the preliminary report (PFR/DPR).

7. PRELIMINARY REPORT(PFR/DPR) : \*

DOC NAME	UPLOAD DOCUMENT	ADD
<input style="width: 100%; height: 100%;" type="text"/>	<input style="width: 100%; height: 25px;" type="text" value="Choose File No file chosen"/> <a href="#" style="color: blue; text-decoration: none; font-size: small;">View</a>	<div style="border: 1px solid #ccc; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">+</div>

PREVIOUS
NEXT

- The "+" symbol can be seen beneath the "Add" menu option. To upload the necessary files and add further details about the preliminary report, click that icon.
- After providing all the details, click on the **"Next"** tab for the next page. If the user wants to go back to the previous page, he can click on the **"Back"** tab below.

## PART- D (TECHNICAL DETAILS)

- The technical specifications for the project must be included on this page.
- The user has the option to choose a specific project and fill up the technical data accordingly.
- Based on the prior data that has been provided, the user must choose the project.

- Solar Project
- Wind Project
- Biomass Project
- Large / Small Hydro Project
- Pumped Storage / Other Technology Project



## ➤ SOLAR PROJECT

### 1. TYPE OF PROJECT

Kindly choose the project type.



**APPLICATION FORM FOR DEVELOPMENT OF RENEWABLE ENERGY PROJECTS IN ODISHA**  
**PART-D TECHNICAL DETAILS**

<input checked="" type="checkbox"/> SOLAR PROJECT	<input type="checkbox"/> WIND PROJECT	<input type="checkbox"/> BIOMASS PROJECT	<input type="checkbox"/> LARGE/SMALL HYDRO PROJECT	<input type="checkbox"/> PUMPED STORAGE/ OTHER TECHNOLOGY PROJECT
---	---------------------------------------	--	--	---

**SOLAR PROJECT**

**1. TYPE OF PROJECT :**

Select ...

- Select ...
- GROUND BASED
- FLOATING SOLAR
- SOLAR PARK
- HYBRID
- OTHER



## 2. AREA REQUIRED

Kindly choose the required area.

**2.AREA REQUIRED :**

Select ...

Select ...

- LAND
- WATER SURFACE
- LAND&WATER SURFACE
- OTHER

## 3. LATITUDE

Please provide the latitude.

**3. LATITUDE :**

## 4. LONGITUDE

Please provide the longitude.

**4. LONGITUDE :**

## 5. MODULE TECHNOLOGY PROPOSED TO BE ADOPTED

Please choose the suggested module technology for adoption.

**5.MODULE TECHNOLOGY PROPOSED TO BE ADOPTED :**

Select ...

Select

- Poly-Crystalline
- Thin Film
- Mono-Crystalline
- CdTe
- Halfcut(perc)
- Bifacial
- CIGs
- OTHER

## 6. DCR OR NON-DCR

Kindly indicate if this is a DCR or NON-DCR.

6.DCR OR NON-DCR : \*

Select ...

Select ...

DCR

Non-DCR

7.INSTALLED CAPACITY (in MW / MWp) :

## 7. INSTALLED CAPACITY (IN MW / MWp)

Please provide the installed capacity.

7.INSTALLED CAPACITY (in MW / MWp) :

Capacity	Ground Unit
AC	<input type="text"/> in MW
DC	<input type="text"/> in MWp

## 8. PROPOSED CUF (IN %)

Kindly provide the suggested CUF (in %).

8.PROPOSED CUF (IN %) :

## 9. EXPECTED ENERGY GENERATION (PER YEAR)

Kindly input the anticipated annual energy production.

9.EXPECTED ENERGY GENERATION (PER YEAR) :

### **10. INVERTER TECHNOLOGY PROPOSED**

Kindly choose from the suggested inverter technology.



10. INVERTER TECHNOLOGY PROPOSED :

Select ...

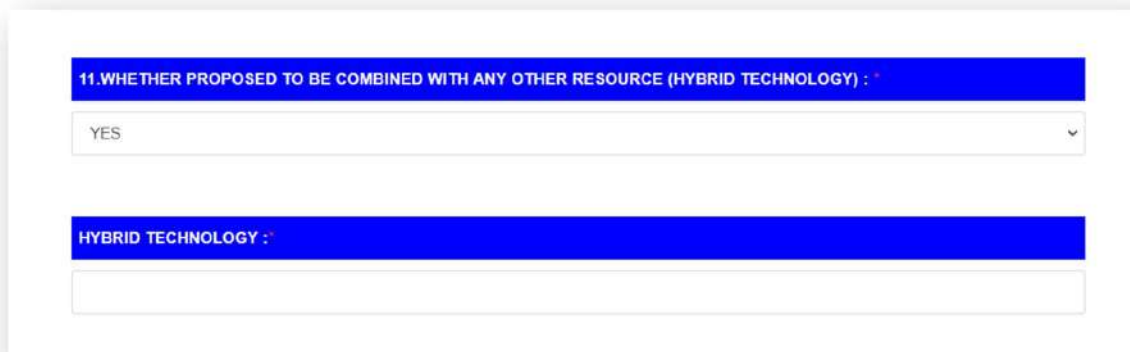
Select ...

- CENTRALIZED
- STRING
- OTHER

11. WHETHER PROPOSED TO BE COMBINED WITH ANY OTHER RESOURCE (HYBRID TECHNOLOGY) :

### **11. WHETHER PROPOSED TO BE COMBINED WITH ANY OTHER RESOURCE (HYBRID TECHNOLOGY)**

Verify whether the suggested combination will involve combining any other resources (Hybrid Technology). If so, enter the hybrid technology in the tab that appears below after selecting "yes." If not, choose "No."



11. WHETHER PROPOSED TO BE COMBINED WITH ANY OTHER RESOURCE (HYBRID TECHNOLOGY) :

YES

HYBRID TECHNOLOGY :

### **12. WHETHER STORAGE OPTION PROPOSE**

Please pick "Yes" or "No" to indicate whether the storage option is proposed.



12. WHETHER STORAGE OPTION PROPOSE :

Select ...

Select ...

- YES
- NO

13. DETAILS OF CLEARANCES REQUIRED/ OBTAINED (TECHNOLOGY SPECIFIC) :

### 13. DETAILS OF CLEARANCES REQUIRED/ OBTAINED (TECHNOLOGY SPECIFIC)

Choose the required or acquired clearance from the aforementioned inventory and upload the NOC for the same.

#### 13.DETAILS OF CLEARANCES REQUIRED/ OBTAINED (TECHNOLOGY SPECIFIC) :

- i. CTE(Consent to Establish) / CTO(Consent to Operate) / NOC (No Objection Certificate) from SPCB(State Pollution Control Board)
- ii. Forest & Environment
- iii. Land
- iv. Water Resources
- v. Mining
- vi. Others, if any

### 14. ANY OTHER ADDITIONAL REMARK

Please use the tab below to submit any further remarks you may have.

#### 14.ANY OTHER ADDITIONAL REMARK :

### 15. UPLOAD (DPR/PROJECT REPORT/PFR/FR/CONCEPT NOTE)

- From the document list above, the user can choose the name of the document and upload the appropriate file for it.
- The "+" symbol is located beneath the "Add" menu item. To upload the necessary files and to provide extra details, click that icon.
- Click "Preview" to submit the application in its final form after filling out all the information if the solar project is chosen.
- To return to the previous page, click "**Previous**".

#### 15 UPLOAD (DPR/PROJECT REPORT/PFR/FR/CONCEPT NOTE) :

DOC NAME	UPLOAD DOCUMENT	ADD
<div style="border: 1px solid #ccc; padding: 2px;">           Select           <ul style="list-style-type: none"> <li>Select</li> <li>PFR/DPR</li> <li>System Study/Load Flow Study Report/Undertaking</li> <li>Feasibility Report/Undertaking</li> </ul> </div>	<div style="border: 1px solid #ccc; padding: 2px;">           Choose File No file chosen         </div>	<div style="border: 1px solid #ccc; padding: 5px; width: 30px; height: 30px; background-color: #007bff; color: white; margin: 0 auto; display: flex; align-items: center; justify-content: center;">+</div>
	<div style="border: 1px solid #ccc; padding: 2px; background-color: #007bff; color: white; width: 60px; margin: 0 auto;">PREVIEW</div>	
	<div style="border: 1px solid #ccc; padding: 2px; background-color: #007bff; color: white; width: 60px; margin: 0 auto;">PREVIOUS</div>	

➤ **WIND PROJECT**

**1. NAME OF NEARBY WIND MONITORING STATION (WIND MAST) APPEARING IN THE APPROVED LIST OF WIND SITES**

Kindly input the name of the wind monitoring station (wind mast) that is in the vicinity and is listed among the authorized wind sites.

**APPLICATION FORM FOR DEVELOPMENT OF  
RENEWABLE ENERGY PROJECTS IN ODISHA**

PART-D  
TECHNICAL DETAILS

SOLAR PROJECT	<input checked="" type="checkbox"/> WIND PROJECT	BIOMASS PROJECT	LARGE/SMALL HYDRO PROJECT	PUMPED STORAGE/ OTHER TECHNOLOGY PROJECT
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WIND PROJECT

**1.NAME OF NEARBY WIND MONITORING STATION (WIND MAST) APPEARING IN THE APPROVED LIST OF WIND SITES**

**2. AERIAL DISTANCE OF THE PROPOSED PROJECT LOCATION FROM THE ABOVE WIND MAST (PLEASE ENSURE IT SHOULD BE WITHIN 10 KM)**

Enter the projected project location's aerial distance from the above wind mast (please make sure it is within 10 km).

**2.AERIAL DISTANCE OF THE PROPOSED PROJECT LOCATION FROM THE ABOVE WIND MAST (PLEASE ENSURE IT SHOULD BE WITHIN 10 KM)**

**3. HEIGHT OF ABOVE WIND MAST**

Type the height of the wind mast above here.

**3.HEIGHT OF ABOVE WIND MAST**

**4. ANNUAL WIND POWER (AVERAGE) AT THE PROPOSED PROJECT LOCATION (W/M<sup>2</sup>) AT 50M/100M/150M ABOVE GROUND LEVEL (REFER TO THE WIND SITES DETAILS)**

Enter the annual wind power (average) at the proposed project location (w/m<sup>2</sup>) at 50m/100m/150m above ground level (refer to the wind sites details).

**4.ANNUAL WIND POWER (AVERAGE) AT THE PROPOSED PROJECT LOCATION (W/M<sup>2</sup>) AT 50M/100M/150M ABOVE GROUND LEVEL (REFER TO THE WIND SITES DETAILS)**

**5. LATITUDE**

Input the latitude.

**5.LATITUDE \***

**6.LONGITUDE**

Input the longitude.

**6. LONGITUDE \***

**7. ESTIMATION OF POWER GENERATION**

Enter the estimation of power generation.

**7.ESTIMATION OF POWER GENERATION**

I.ENERGY GENERATION ESTIMATED AS PER DPR (MENTION THE BASIS) IN MU \*

II.ENERGY GENERATION GUARANTEED BY THE MACHINE SUPPLIER IN MU \*



**8. PROVIDE THE GENERATION DATA OF WIND FARM PROJECTS ADJACENT TO THE PROPOSED PROJECT LOCATION TO VERIFY ABOVE DATA**

- To confirm the information above, submit the generation data of wind farm projects that are close to the planned project location.
- The "+" icon can be found beneath the "Action" menu option. Click the icon to add more information.

8. PROVIDE THE GENERATION DATA OF WIND FARM PROJECTS ADJACENT TO THE PROPOSED PROJECT LOCATION TO VERIFY ABOVE DATA :						
SL	NAME OF COMPANY	DISTANCE FROM PROPOSED LOCATION (KM)	RATING, NO. AND MAKE OF WEGS	CAPACITY (MW)	CUF	ACTION
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	+

**9. DETAILS OF THE SELECTED MACHINE MANUFACTURER/SUPPLIER**

Enter the specifics of the chosen machine's supplier or manufacturer.

9. DETAILS OF THE SELECTED MACHINE MANUFACTURER/SUPPLIER:						
NAME OF SUPPLIER	TURBINE RATING (KW)	HUB HEIGHT	QUANTITY	CAPACITY (MW)	COST/WEG (RS. IN LAKH)	TOTAL AMOUNT (RS. IN LAKH)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**10. DETAILS OF ALTERNATIVE FUEL FOR THE PROJECT**

Please provide the project's alternative fuel details.

#### 10. DETAILS OF ALTERNATIVE FUEL FOR THE PROJECT

NAME OF THE ALTERNATE FUEL :

PROPOSED USAGE MIX WITH ALTERNATE FUEL (%) :

CALORIFIC VALUE OF FUEL (KCAL/KG) :

ALTERNATE FUEL CONSUMPTION (KG/KWH) :

ACTUAL REQUIREMENT (MT/ANNUM) :

LANDED COST OF ALTERNATE FUEL (RS./MT) :

#### 11. DETAILS OF CLEARANCES REQUIRED/OBTAINED (TECHNOLOGY SPECIFIC)

- Enter the details of clearances required/ obtained (technology specific).
- Choose the necessary or obtained clearances (technology specific) from the list above. If it is CTE (Consent to Establish) / CTO (Consent to Operate) / NOC (No Objection Certificate) from SPCB (State Pollution Control Board), upload the NOC for that information.

#### 11.DETAILS OF CLEARANCES REQUIRED/OBTAINED(TECHNOLOGY SPECIFIC)

- i. CTE(Consent to Establish) / CTO(Consent to Operate) / NOC (No Objection Certificate) from SPCB(State Pollution Control Board)
- ii. Forest & Environment
- iii. Land
- iv. Water Resources
- v. Mining
- vi. Others, if any

Upload NOC

No file chosen

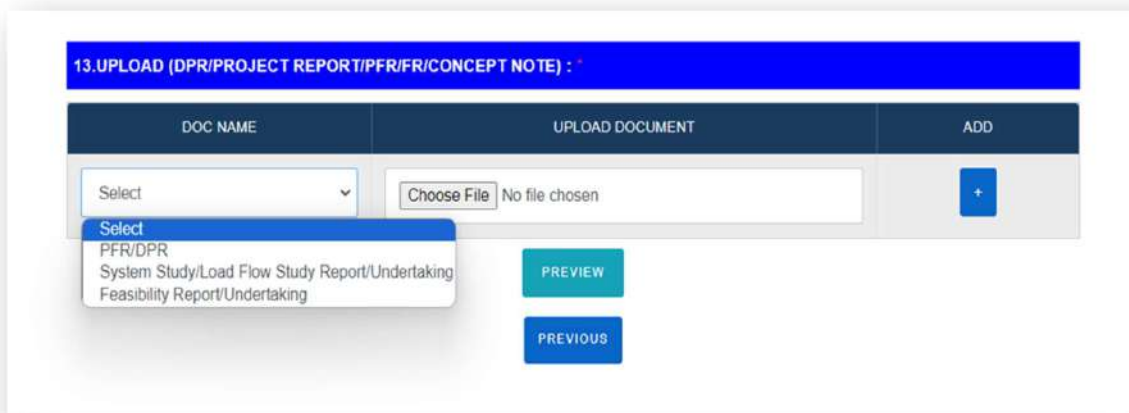
## 12. ANY OTHER ADDITIONAL REMARK

Please use the tab below to submit any further remarks you may have.



## 13. UPLOAD (DPR/PROJECT REPORT/PFR/FR/CONCEPT NOTE)

- From the document list above, the user can choose the name of the document and upload the appropriate file for it.
- The "+" symbol is located beneath the "Add" menu item. To upload the necessary files and to provide extra details, click that icon.
- Click "**Preview**" to submit the application in its final form after filling out all the information if the wind project is chosen.
- To return to the previous page, click "**Previous**".



### ➤ **BIOMASS PROJECT**

#### 1. TYPE OF INDUSTRY

- Choose the industry type.
- Input the "Other Industry" data if "Other" is the industry type selected.

## APPLICATION FORM FOR DEVELOPMENT OF RENEWABLE ENERGY PROJECTS IN ODISHA

### PART-D TECHNICAL DETAILS

SOLAR PROJECT	WIND PROJECT	<input checked="" type="checkbox"/> BIOMASS PROJECT	LARGE/SMALL HYDRO PROJECT	PUMPED STORAGE/ OTHER TECHNOLOGY PROJECT
---------------	--------------	---	---------------------------	--

#### BIOMASS PROJECT

**1. TYPE OF INDUSTRY \***

Select...

Select...

Sugar

Rice

Paper

Other

**1. TYPE OF INDUSTRY \***

Other

**OTHER INDUSTRY :**

### 2. INSTALLED CAPACITY (IN MW)

Enter the installed capacity (in mw).

**2. INSTALLED CAPACITY (IN MW) :**

### 3. LATITUDE

Input the latitude.

**3. LATITUDE \***

#### **4. LONGITUDE**

Input the longitude.

**4.LONGITUDE :**

#### **5. PROPOSED CUF (IN %)**

Enter the suggested cuf (percentage).

**5.PROPOSED CUF (IN %) :**

#### **6. EXPECTED ENERGY GENERATION (PER ANNUM)**

Enter the expected annual energy generation.

**6.EXPECTED ENERGY GENERATION (PER ANNUM):**

#### **7. NO. OF DAYS OF OPERATION**

Enter the number of operating days.

**7.NO. OF DAYS OF OPERATION :**

I.ENERGY GENERATION ESTIMATED AS PER DPR (MENTION THE BASIS) IN MU

II.ENERGY GENERATION GUARANTEED BY THE MACHINE SUPPLIER IN PER ANNUM

## 8. DETAILS OF BIOMASS FUEL UTILIZATION

Add the specifics on how you use biomass fuel.

8.DETAILS OF BIOMASS FUEL UTILIZATION

I.BIOMASS GENERATED (MT)

II.CONSUMED (MT)

III.BOUGHT OUT (MT)

IV. SAVED /SURPLUS (MT)

V. COST (RS./MT)

## 2. TYPE OF OTHER BIOMASS FUELS, IF ANY PROPOSED TO BE USED IN THE PROJECT

Please provide the type of other biomass fuels, if any proposed to be used in the project.

9. TYPE OF OTHER BIOMASS FUELS, IF ANY PROPOSED TO BE USED IN THE PROJECT.

	NAME OF FUEL	CALORIFIC VALUE		QTY IN MT/YR	LANDED COST(RS./MT)
		UNIT	TYPE		
Present	<input style="width: 80%; height: 20px;" type="text"/>	<input style="width: 40%; height: 20px;" type="text"/>	<input style="width: 40%; height: 20px;" type="text"/>	<input style="width: 40%; height: 20px;" type="text"/>	<input style="width: 40%; height: 20px;" type="text"/>
Proposed	<input style="width: 80%; height: 20px;" type="text"/>	<input style="width: 40%; height: 20px;" type="text"/>	<input style="width: 40%; height: 20px;" type="text"/>	<input style="width: 40%; height: 20px;" type="text"/>	<input style="width: 40%; height: 20px;" type="text"/>
Total		<input style="width: 40%; height: 20px;" type="text"/>		<input style="width: 40%; height: 20px;" type="text"/>	<input style="width: 40%; height: 20px;" type="text"/>

**10. (FOR BIOMASS FUELS WHICH ARE NEW & NOT TEST FIRED, PLEASE ENCLOSE FUEL ANALYSIS REPORT)**

If you are using a new biomass fuel that has not been tested, please provide a fuel analysis report.

10:(FOR BIOMASS FUELS WHICH ARE NEW & NOT TEST FIRED, PLEASE ENCLOSE FUEL ANALYSIS REPORT)				
	NAME OF FUEL	QTY IN MT/YR	CONSUMPTION IN MT/YR	SURPLUS IN MT/YR
Present	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Proposed	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

UPLOAD ANALYSIS REPORT

No file chosen

**11. AVAILABILITY OF BIOMASS (FUEL WITHIN 50KM RADIUS)**

Add the biomass availability (fuel within a 50-kilometer radius).

11.AVAILABILITY OF BIOMASS(FUEL WITHIN 50KM RADIUS) *	
CAPTIVE SOURCE (OWN)	<input type="text"/>
BOUGHT OUT	<input type="text"/>

**12. BIOMASS FUEL (AVERAGE) REQUIREMENT**

Enter the average amount of biomass fuel required.

12.BIOMASS FUEL (AVERAGE) REQUIREMENT *	
KG/KWH :*	<input type="text"/>
MT/ANNUM :*	<input type="text"/>

### **13. DETAILS OF ALTERNATIVE FUEL FOR THE PROJECT**

Provide the project's alternative fuel details.

**13.DETAILS OF ALTERNATIVE FUEL FOR THE PROJECT**

NAME OF THE ALTERNATE FUEL :

PROPOSED USAGE MIX WITH ALTERNATE FUEL (%) :

CALORIFIC VALUE OF FUEL (KCAL/KG) :

ALTERNATE FUEL CONSUMPTION (KG/KWH) :

ACTUAL REQUIREMENT (MT/ANNUM) :

LANDED COST OF ALTERNATE FUEL (RS./MT) :

### **14. DETAILS OF CLEARANCES REQUIRED/ OBTAINED (TECHNOLOGY SPECIFIC)**

- Enter the details of clearances required/ obtained (technology specific).
- Choose the necessary or obtained clearances (technology specific) from the list above. If it is CTE (consent to establish)/ CTO (consent to operate) / NOC (no objection certificate) from SPCB (state pollution control board), upload the NOC for that information.

**14. DETAILS OF CLEARANCES REQUIRED/ OBTAINED (TECHNOLOGY SPECIFIC)**

i. CTE(Consent to Establish) / CTO(Consent to Operate) / NOC (No Objection Certificate) from SPCB(State Pollution Control Board)

ii. Forest & Environment

iii. Land

iv. Water Resources

v. Mining

vi. Others, if any

Upload NOC

No file chosen



### 15. ANY OTHER ADDITIONAL REMARK

Please use the tab below to submit any further remarks you may have.

**15. ANY OTHER ADDITIONAL REMARK**

### 16. UPLOAD (DPR/PROJECT REPORT/PFR/FR/CONCEPT NOTE)

- From the document list above, the user can choose the name of the document and upload the appropriate file for it.
- The "+" symbol is located beneath the "Add" menu item. To upload the necessary files and to provide extra details, click that icon.
- Click "Preview" to submit the application in its final form after filling out all the information if the biomass project is chosen.
- To return to the previous page, click "Previous".

**16. UPLOAD (DPR/PROJECT REPORT/PFR/FR/CONCEPT NOTE) :**

DOC NAME	UPLOAD DOCUMENT	ADD
Select <span style="font-size: 0.8em;">▼</span>	Choose File No file chosen	<div style="border: 1px solid #ccc; width: 20px; height: 20px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">+</div>

PREVIEW

PREVIOUS

## ➤ **LARGE/SMALL HYDRO PROJECT**

### **1. CATEGORY OF THE PROJECT**

- Choose the project's category from the list above.
- Enter the "**Other Scheme**" in the tab below if it is set as "**Other Scheme**."

## APPLICATION FORM FOR DEVELOPMENT OF RENEWABLE ENERGY PROJECTS IN ODISHA

### PART-D TECHNICAL DETAILS

SOLAR PROJECT	WIND PROJECT	BIOMASS PROJECT	<input checked="" type="checkbox"/> LARGE/SMALL HYDRO PROJECT	PUMPED STORAGE/ OTHER TECHNOLOGY PROJECT
---------------	--------------	-----------------	---	--

#### HYDRO\_PROJECT

**1. CATEGORY OF THE PROJECT :**

Select ...

Select ...

- Dam Toe
- Canal Fall
- Run off River
- Pondage
- Other Scheme

**1. CATEGORY OF THE PROJECT :**

Other Scheme

**OTHER SCHEME :**

## 2. NAME OF THE RIVER

- Choose the river's name from the list above.
- Please enter the name of the "**Other River**" in the tab below if the river's name is set as "**Other**".

**2.NAME OF THE RIVER :**

Other

**OTHER RIVER :**

### **3. GEO COORDINATES**

In the tab below, enter the geo coordinates.

**3.GEO COORDINATES :**

### **4. CATCHMENT AREA**

Use the tab below to enter the catchment area.

**4. CATCHMENT AREA :**

### **5. DESIGN HEAD (IN METERS) DISCHARGE (IN CUMECS I.E. M3/SEC)**

- Pick the design head (measured in meters) and discharge (measured in CUMECS, or M3/Sec) from the list above.
- Enter the "**Other Design Head**" data in the tab below if "**Other**" is the selected option.

**5.DESIGN HEAD (IN METERS)DISCHARGE (IN CUMECS I.E. M3/SEC)**

Other

**OTHER DESIGN HEAD :**

## **6. SOURCE OF WATER**

- Select the source of water from the list above.
- Enter the "**Other Source of Water**" data in the tab below if "**Any Other**" is the selected option.

**6. SOURCE OF WATER :**

any other

**OTHER SOURCE OF WATER :**

## **7. SOURCE OF DISCHARGE DATA PERIOD FOR WHICH DISCHARGE DATA IS AVAILABLE (MINIMUM REQUIREMENT - TWO LEAN SEASONS & ONE MONSOON SEASON)**

- Enter the source of the discharge data and the time period for which it is available (two lean seasons and one monsoon season are the minimum requirements).

**7. SOURCE OF DISCHARGE DATA PERIOD FOR WHICH DISCHARGE DATA IS AVAILABLE (MINIMUM REQUIREMENT - TWO LEAN SEASONS & ONE MONSOON SEASON) :**

## **8. GROSS ENERGY GENERATION ESTIMATED AS PER DPR IN MU**

Enter the estimated gross energy generation in mu according to the DPR.

**8. GROSS ENERGY GENERATION ESTIMATED AS PER DPR IN MU :**

**11. DEPENDABLE YEAR ON WHICH THE ANNUAL ENERGY HAS BEEN ESTIMATED/ARRIVED IN THE DPR**

Enter the reliable year that the yearly energy was calculated or entered into the DPR.

9.DEPENDABLE YEAR ON WHICH THE ANNUAL ENERGY HAS BEEN ESTIMATED/ ARRIVED IN THE DPR :

**10. ESTIMATED ENERGY GENERATION IN MU IN 90% DEPENDABLE YEAR (IF ABOVE IS NOT ESTIMATED IN 90% DEPENDABLE YEAR)**

- Enter the estimated energy generation in mu in 90% dependable year (if above is not estimated in 90% dependable year).

10.ESTIMATED ENERGY GENERATION IN MU IN 90% DEPENDABLE YEAR (IF ABOVE IS NOT ESTIMATED IN 90% DEPENDABLE YEAR) :

**11. ANNUAL AUXILIARY ENERGY CONSUMPTION**

Put the yearly use of auxiliary energy here.

11.ANNUAL AUXILIARY ENERGY CONSUMPTION :

**12. PROJECT CONFIGURATION**

Input the project configuration.

12.PROJECT CONFIGURATION:

### **13. TYPE OF TURBINE**

- Pick the type of turbine from the list above.
- Enter the "**Other Turbine**" data in the tab below if "**Any Other**" is the selected option.

**13. TYPE OF TURBINE**

Any other

**OTHER TURBINE :**

### **14. PROPOSED CONFIGURATION OF THE PROJECT (NO. OF UNITS X MW) (PLEASE SPECIFY ALTERNATIVE CONFIGURATIONS, IF ANY)**

Enter the project's suggested configuration (number of units x mw); if there are any alternate configurations, please include them.

**14. PROPOSED CONFIGURATION OF THE PROJECT (NO. OF UNITS X MW) (PLEASE SPECIFY ALTERNATIVE CONFIGURATIONS, IF ANY) :**

### **15. TYPE OF GENERATOR**

- Select the type of generator from the list above.
- Enter the "**Other Generator**" data in the tab below if "**Others**" is the selected option.

**15. TYPE OF GENERATOR:**

Others

**OTHER GENERATOR :**

### **16. DETAILS OF CLEARANCES REQUIRED/ OBTAINED (TECHNOLOGY SPECIFIC)**

- Enter the details of clearances required/ obtained (technology specific).
- Choose the necessary or obtained clearances (technology specific) from the list above. If it is CTE (consent to establish)/ CTO (consent to operate) / NOC (no objection certificate) from SPCB (state pollution control board), upload the NOC for that information.

**16. DETAILS OF CLEARANCES REQUIRED/ OBTAINED (TECHNOLOGY SPECIFIC)**

i. CTE(Consent to Establish) / CTO(Consent to Operate) / NOC (No Objection Certificate) from SPCB(State Pollution Control Board)

ii. Forest & Environment

iii. Land

iv. Water Resources

v. Mining

vi. Others, if any

Upload NOC

No file chosen

### **17. ANY OTHER ADDITIONAL REMARK**

Please use the tab below to submit any further remarks you may have.

**17. ANY OTHER ADDITIONAL REMARK :**

### **18. UPLOAD (DPR/PROJECT REPORT/PFR/FR/CONCEPT NOTE)**

- From the document list above, the user can choose the name of the document and upload the appropriate file for it.
- The "+" symbol is located beneath the "Add" menu item. To upload the necessary files and to provide extra details, click that icon.
- Click "Preview" to submit the application in its final form after filling out all the information if the large / small hydro project is chosen.
- To return to the previous page, click "Previous".

18. UPLOAD (DPR/PROJECT REPORT/PFR/FR/CONCEPT NOTE) :

DOC NAME	UPLOAD DOCUMENT	ADD
<div style="border: 1px solid #ccc; padding: 2px;">           Select <span style="float: right;">▼</span> </div> <div style="border: 1px solid #ccc; padding: 2px; margin-top: 2px;">           Select            PFR/DPR            System Study/Load Flow Study Report/Undertaking            Feasibility Report/Undertaking         </div>	<div style="border: 1px solid #ccc; padding: 2px;">           Choose File No file chosen         </div> <div style="text-align: center; margin-top: 10px;"> <div style="background-color: #00a68a; color: white; padding: 5px 15px; border: 1px solid #00a68a; display: inline-block; margin-bottom: 5px;">PREVIEW</div> <div style="background-color: #0056b3; color: white; padding: 5px 15px; border: 1px solid #0056b3; display: inline-block;">PREVIOUS</div> </div>	<div style="border: 1px solid #ccc; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">+</div>

➤ **PUMPED STORAGE / OTHER TECHNOLOGY PROJECT**

**1. PROJECT TECHNOLOGY**

- A. PSP
- B. Other

APPLICATION FORM FOR DEVELOPMENT OF  
 RENEWABLE ENERGY PROJECTS IN ODISHA  
 PART-D  
 TECHNICAL DETAILS

SOLAR PROJECT	WIND PROJECT	BIOMASS PROJECT	LARGE/SMALL HYDRO PROJECT	<input checked="" type="checkbox"/> PUMPED STORAGE/ OTHER TECHNOLOGY PROJECT
------------------	-----------------	--------------------	------------------------------	---

OTHER PROJECT

1. PROJECT TECHNOLOGY :

Select ▼

Select  
 PSP  
 Other

PREVIOUS



## A. PSP

Suppose the "PSP" project technology is chosen.

**APPLICATION FORM FOR DEVELOPMENT OF  
RENEWABLE ENERGY PROJECTS IN ODISHA**

**PART-D  
TECHNICAL DETAILS**

SOLAR PROJECT	WIND PROJECT	BIOMASS PROJECT	LARGE/SMALL HYDRO PROJECT	<input checked="" type="checkbox"/> PUMPED STORAGE/ OTHER TECHNOLOGY PROJECT
---------------	--------------	-----------------	---------------------------	--

**PUMP STORAGE PROJECT**

**1. PROJECT TECHNOLOGY \***

PSP

## 2. CATEGORY OF THE PROJECT

Please choose the project category from the list above. If "Other Scheme" is selected, enter the details for that scheme in the tab below.

**2. CATEGORY OF THE PROJECT : \***

Other Scheme

**OTHER SCHEME :**

## 3. NAME OF THE RIVER

Please select the river's name from the above list. If "Other" is chosen, fill in the river's name in the tab below.

**3.NAME OF THE RIVER :**

Select ...

Select ...

- Mahanadi
- Brahmani
- Baitarani
- Subarnarekha
- Budhabalanga
- Jambhira
- Rushikulya
- Bahuda
- Vansadhara
- Nagavali
- Indravati
- Kolab
- Other

**6.DESIGN HEAD (IN METERS)DISCHARGE (IN CUMEC S I.E. M3/SEC)**

**3.NAME OF THE RIVER :**

Other

**OTHER RIVER :**

### **GEO COORDINATES**

Geo coordinates should be entered in the tab below.

**4. GEO COORDINATES :**

### **4. CATCHMENT AREA**

Catchment area should be entered in the tab below.

**5. CATCHMENT AREA :**

**5. DESIGN HEAD (IN METERS) DISCHARGE (IN CUMECs I.E. M<sup>3</sup>/SEC)**

Choose the design head and discharge from the selections above. If "Other" is selected, put the details of the "Other design head" in the tab below.

**6. DESIGN HEAD (IN METERS) DISCHARGE (IN CUMECs I.E. M<sup>3</sup>/SEC)**

Other

**OTHER DESIGN HEAD :**

**6. SOURCE OF WATER**

Choose the source of water from the selections above. If "Any Other" is selected, put the details of the "Other Source of Water" in the tab below.

**7. SOURCE OF WATER**

any other

**OTHER SOURCE OF WATER :**

**7. SOURCE OF DISCHARGE DATA PERIOD FOR WHICH DISCHARGE DATA IS AVAILABLE (MINIMUM REQUIREMENT – TWO LEAN SEASONS & ONE MONSOON SEASON)**

Enter the source of the discharge data and the time period for which it is available (two lean seasons and one monsoon season are the minimum requirements).

**8. SOURCE OF DISCHARGE DATA PERIOD FOR WHICH DISCHARGE DATA IS AVAILABLE (MINIMUM REQUIREMENT – TWO LEAN SEASONS & ONE MONSOON SEASON) :**

## 8. ESTIMATION OF POWER GENERATION

Enter the estimation of power generation.

**9. ESTIMATION OF POWER GENERATION :**

GROSS ENERGY GENERATION ESTIMATED AS PER DPR IN MU :

DEPENDABLE YEAR ON WHICH THE ANNUAL ENERGY HAS BEEN ESTIMATED/ ARRIVED IN THE DPR :

ESTIMATED ENERGY GENERATION IN MU IN 90% DEPENDABLE YEAR (IF ABOVE IS NOT ESTIMATED IN 90% DEPENDABLE YEAR) :

ANNUAL AUXILIARY ENERGY CONSUMPTION :

## 9. PROJECT CONFIGURATION

- Choose the type of turbine from the selections above. If "**Any Other**" is selected, put the details of the "**Other Turbine**" in the tab below.
- Enter the project's suggested configuration (number of units x mw); if there are any other options, please mention them.
- Choose the type of generator from the selections above. If "**Other**" is selected, put the details of the "**Other Generator**" in the tab below.

**10. PROJECT CONFIGURATION :**

TYPE OF TURBINE

OTHER TURBINE :

PROPOSED CONFIGURATION OF THE PROJECT (NO. OF UNITS X MW) (PLEASE SPECIFY ALTERNATIVE CONFIGURATIONS, IF ANY) :

TYPE OF GENERATOR :

## **10. DETAILS OF CLEARANCES REQUIRED/ OBTAINED (TECHNOLOGY SPECIFIC)**

- Enter the details of clearances required/ obtained (technology specific).
- Choose the necessary or obtained clearances (technology specific) from the list above. If it is CTE (consent to establish) / CTO (consent to operate) / NOC (no objection certificate) from SPCB (state pollution control board), upload the NOC for that information.

**11.DETAILS OF CLEARANCES REQUIRED/ OBTAINED (TECHNOLOGY SPECIFIC)**

i. CTE(Consent to Establish) / CTO(Consent to Operate) / NOC (No Objection Certificate) from SPCB(State Pollution Control Board)

ii.Forest & Environment

iii.Land

iv.Water Resources

v.Mining

vi.Others, if any

Upload NOC

No file chosen

## **11.ANY OTHER ADDITIONAL REMARK**

Please use the tab below to submit any further remarks you may have.

**12.ANY OTHER ADDITIONAL REMARK :**

## **12.UPLOAD (DPR/PROJECT REPORT/PFR/FR/CONCEPT NOTE)**

- From the document list above, the user can choose the name of the document and upload the appropriate file for it.
- The "+" symbol is located beneath the "Add" menu item. To upload the necessary files and to provide extra details, click that icon.
- Click "Preview" to submit the application in its final form after filling out all the information if the pumped storage / other technology project is chosen.
- To return to the previous page, click "Previous".

**13. UPLOAD (DPR/PROJECT REPORT/PFR/FR/CONCEPT NOTE) :**

DOC NAME	UPLOAD DOCUMENT	ADD
<div style="border: 1px solid #ccc; padding: 2px;">           Select <span style="float: right;">▼</span>            Select            PFR/DPR            System Study/Load Flow Study Report/Undertaking            Feasibility Report/Undertaking         </div>	<div style="border: 1px solid #ccc; padding: 2px;">           Choose File No file chosen         </div>	<div style="border: 1px solid #ccc; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">+</div>
	<div style="background-color: #00a65a; color: white; padding: 5px; margin: 5px auto; width: 60px;">PREVIEW</div>	
	<div style="background-color: #00a65a; color: white; padding: 5px; margin: 5px auto; width: 60px;">PREVIOUS</div>	

## B. PROJECT TECHNOLOGY- Other

Suppose the "Other" project technology is chosen.

**APPLICATION FORM FOR DEVELOPMENT OF  
RENEWABLE ENERGY PROJECTS IN ODISHA**

**PART-D  
TECHNICAL DETAILS**

SOLAR PROJECT	WIND PROJECT	BIOMASS PROJECT	LARGE/SMALL HYDRO PROJECT	<input checked="" type="checkbox"/> PUMPED STORAGE/ OTHER TECHNOLOGY PROJECT
---------------	--------------	-----------------	---------------------------	--

OTHER PROJECT

**1. PROJECT TECHNOLOGY**

Other ▼

### 2. PLANT CAPACITY

Enter the capacity of the plant.

**2. PLANT CAPACITY**

### 3. LATITUDE

Input the latitude.

**3. LATITUDE**

**4. LONGITUDE**

Input the longitude.

**4.LONGITUDE \***

**5. GENERATION CAPACITY**

Add the generating capacity here.

**5.GENERATION CAPACITY \***

**6. SOURCE OF POWER**

Enter the power source in the tab below.

**6.SOURCE OF POWER \***

**7. GENERAL DESCRIPTION OF THE PROPOSED PROJECT (TECHNOLOGY ADOPTION ETC.)**

Enter the project's broad description (technology adoption, etc.).

**7.GENERAL DESCRIPTION OF THE PROPOSED PROJECT (TECHNOLOGY ADOPTION ETC.) \***

## **8. DETAILS OF CLEARANCES REQUIRED/OBTAINED (TECHNOLOGY SPECIFIC)**

- Enter the details of clearances required/obtained (technology specific).
- Choose the necessary or obtained clearances (technology specific) from the list above. If it is CTE (consent to establish) / CTO (consent to operate) / NOC (no objection certificate) from SPCB (state pollution control board), upload the NOC for that information.

**8.DETAILS OF CLEARANCES REQUIRED/OBTAINED(TECHNOLOGY SPECIFIC)**

i. CTE(Consent to Establish) / CTO(Consent to Operate) / NOC (No Objection Certificate) from SPCB(State Pollution Control Board)

ii. Forest & Environment

iii. Land

iv. Water Resources

v. Mining

vi. Others, if any

Upload NOC

No file chosen

## **9. ANY OTHER ADDITIONAL INFORMATION**

Please use the tab below to submit any further remarks you may have.

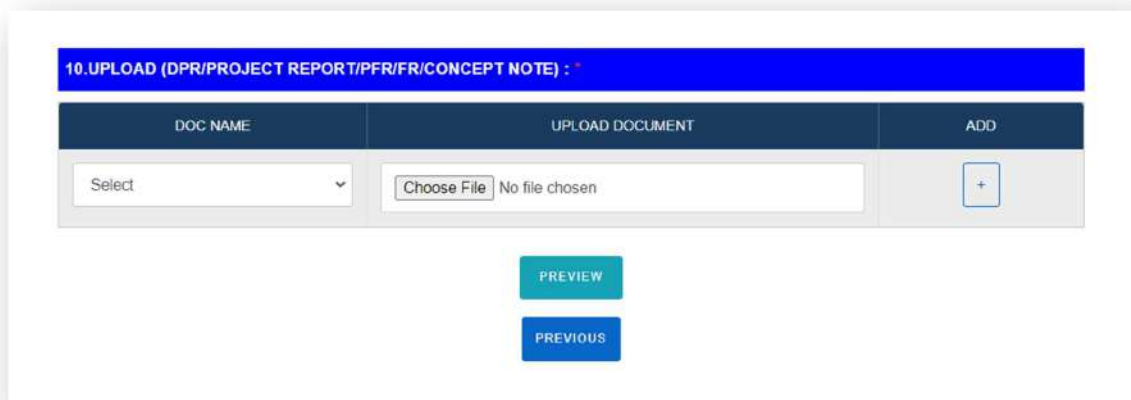
**9.ANY OTHER ADDITIONAL INFORMATION**

I. INFORMATION RELATED TO OTHER TECHNOLOGY

## **10. UPLOAD (DPR/PROJECT REPORT/PFR/FR/CONCEPT NOTE)**

- From the document list above, the user can choose the name of the document and upload the appropriate file for it.
- The "+" symbol is located beneath the "Add" menu item. To upload the necessary files and to provide extra details, click that icon.
- Click "Preview" to submit the application in its final form after filling out all the information if the pumped storage / other technology project is chosen.
- To return to the previous page, click "Previous".





10. UPLOAD (DPR/PROJECT REPORT/PFR/FR/CONCEPT NOTE) :

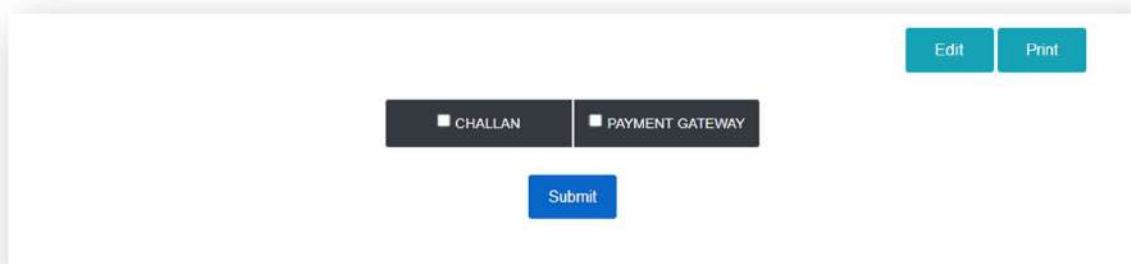
DOC NAME	UPLOAD DOCUMENT	ADD
Select	Choose File   No file chosen	+

PREVIEW

PREVIOUS

### ➤ PREVIEW PAGE

- Three options will appear at the bottom of the new preview page that opens when you click on the preview tab.
  - Edit- You can make changes to the application before submitting it by selecting the edit option.
  - Print- You are able to print a copy of your application.
  - Submit- The application will be submitted by clicking on the submit button.



Edit Print

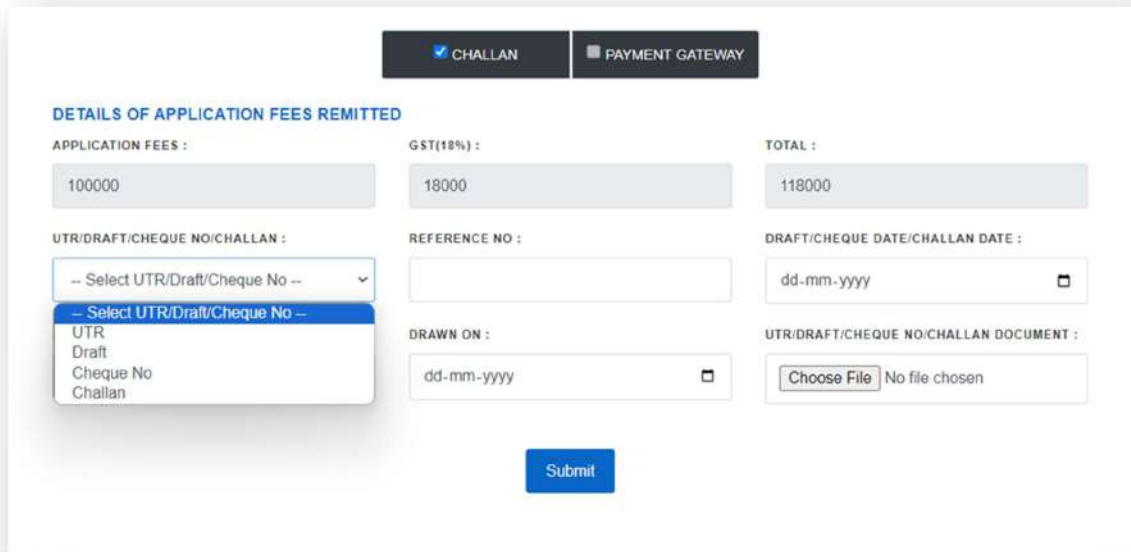
CHALLAN PAYMENT GATEWAY

Submit

- Prior to pressing the submit button, the user must finish the payment process through “Challan” or “Payment Gateway”.

### ❖ Challan

The user can fill in the challan details in the aforementioned fields and press the submit button.

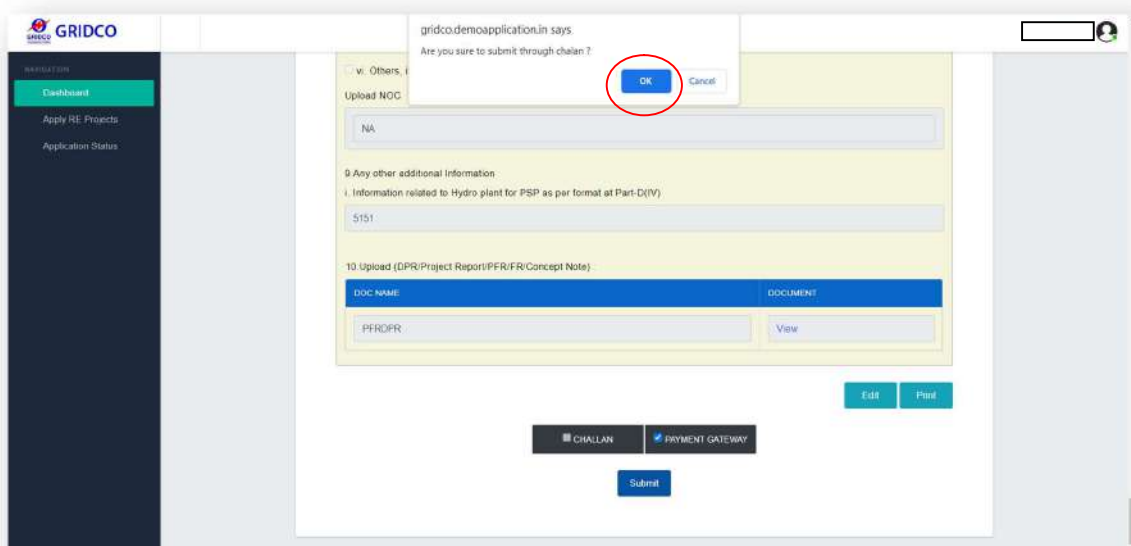


The screenshot shows a web form for submitting a Challan. At the top, there are two tabs: "CHALLAN" (selected) and "PAYMENT GATEWAY". Below the tabs is a section titled "DETAILS OF APPLICATION FEES REMITTED". This section contains three columns of input fields: "APPLICATION FEES" with a value of 100000, "GST(18%)" with a value of 18000, and "TOTAL" with a value of 118000. Below these are three rows of input fields: "UTR/DRAFT/CHEQUE NO/CHALLAN" with a dropdown menu showing options like "UTR", "Draft", "Cheque No", and "Challan"; "REFERENCE NO" and "DRAWN ON" with date pickers (dd-mm-yyyy); and "DRAFT/CHEQUE DATE/CHALLAN DATE" and "UTR/DRAFT/CHEQUE NO/CHALLAN DOCUMENT" with a date picker and a "Choose File" button respectively. A "Submit" button is located at the bottom center of the form.

### ❖ Payment Gateway

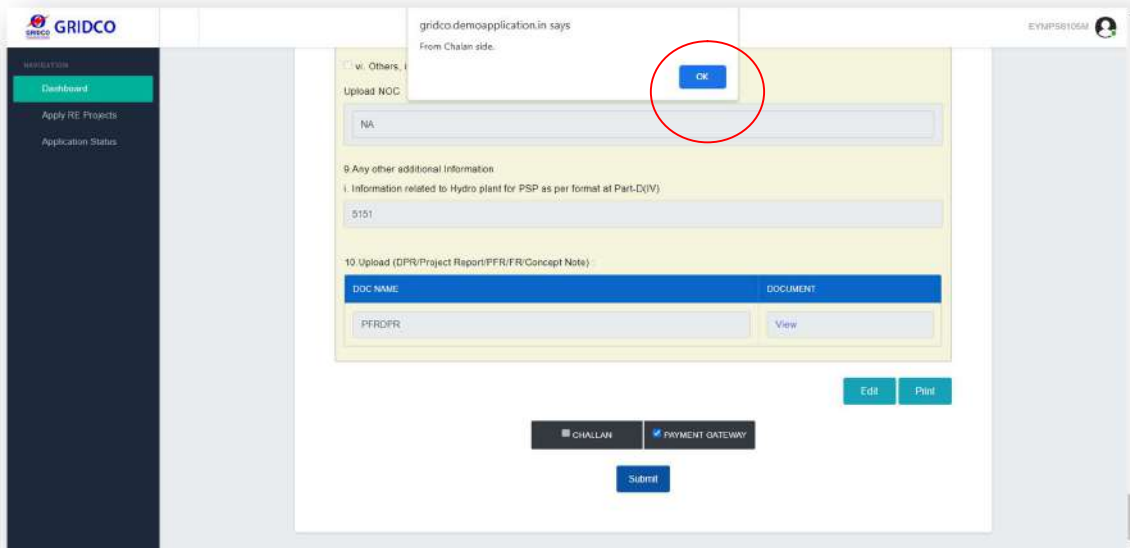
If you choose to use a payment gateway, you must adhere to the steps listed below.

#### Step-1: Click on "Ok".



The screenshot shows a web application interface with a dark sidebar on the left containing navigation links like "Dashboard", "Apply RE Projects", and "Application Status". The main content area displays a form with a confirmation dialog box overlaid on top. The dialog box, titled "gridco.demooapplication.in says", asks "Are you sure to submit through challan?". It has two buttons: "OK" (highlighted with a red circle) and "Cancel". Below the dialog, the form shows a "NA" value in a text field, a section for "Any other additional information" with a value of "5151", and a table for uploading documents. The table has columns for "DOC NAME" and "DOCUMENT", with a row containing "PFROPR" and a "View" button. At the bottom of the form, there are "Edit" and "Print" buttons, and a "Submit" button. The "PAYMENT GATEWAY" tab is selected at the bottom of the form.

### Step-2: Click on "Ok".



gridco.demoapplication.in says  
From Chalan side.

vi. Others, I

Upload NOC

NA

9 Any other additional information  
i. Information related to Hydro plant for PSP as per format at Part-D(V)  
5151

10 Upload (DPR/Project Report/FFR/FR/Concept Note)

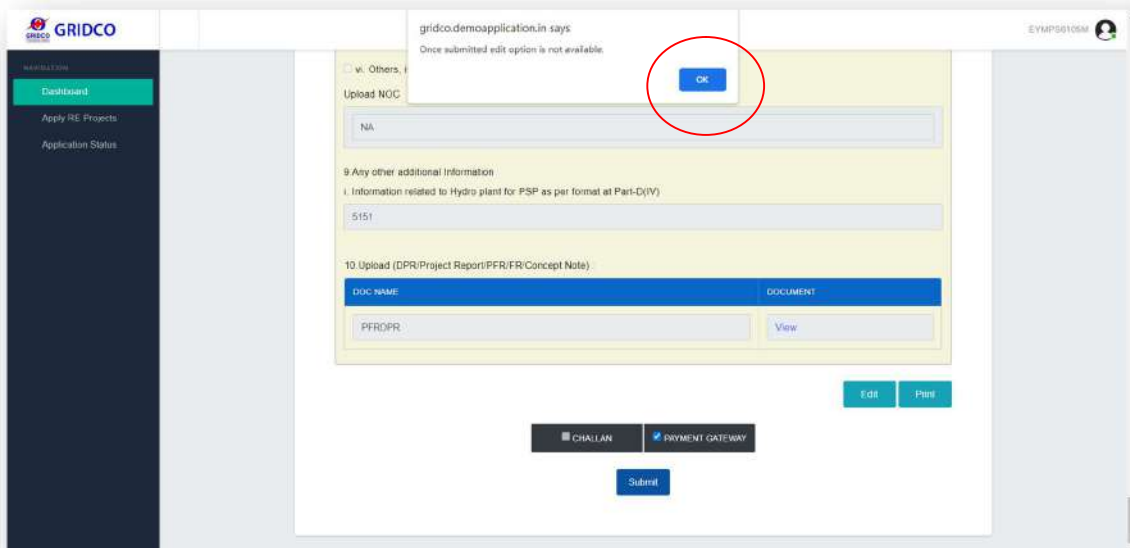
DOC NAME	DOCUMENT
PFROPR	<a href="#">View</a>

[Edit](#) [Print](#)

CHALLAN  PAYMENT GATEWAY

[Submit](#)

### Step-3: Again, click on "Ok".



gridco.demoapplication.in says  
Once submitted edit option is not available.

vi. Others, I

Upload NOC

NA

9 Any other additional information  
i. Information related to Hydro plant for PSP as per format at Part-D(V)  
5151

10 Upload (DPR/Project Report/FFR/FR/Concept Note)

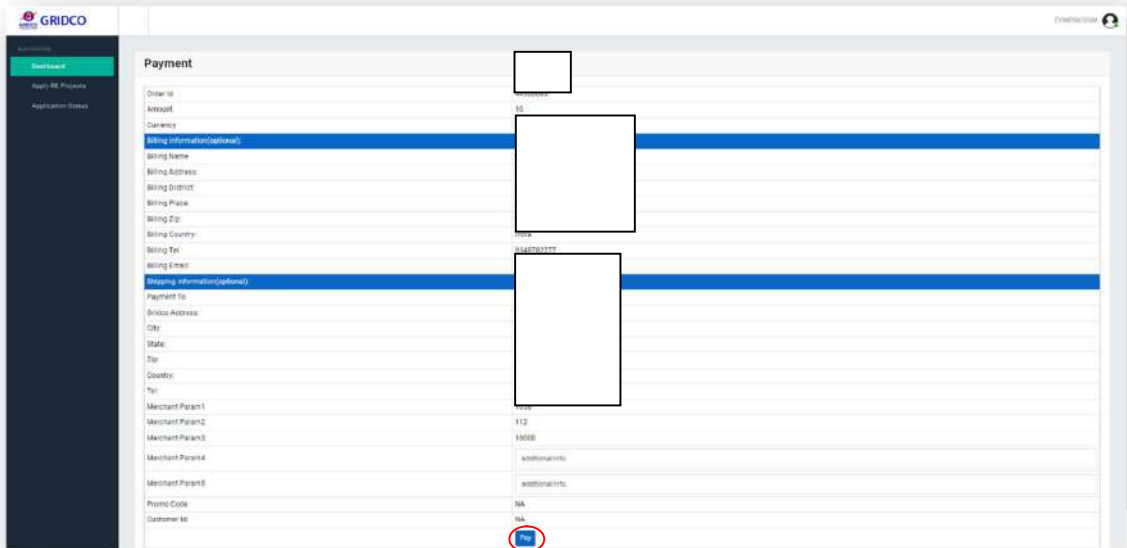
DOC NAME	DOCUMENT
PFROPR	<a href="#">View</a>

[Edit](#) [Print](#)

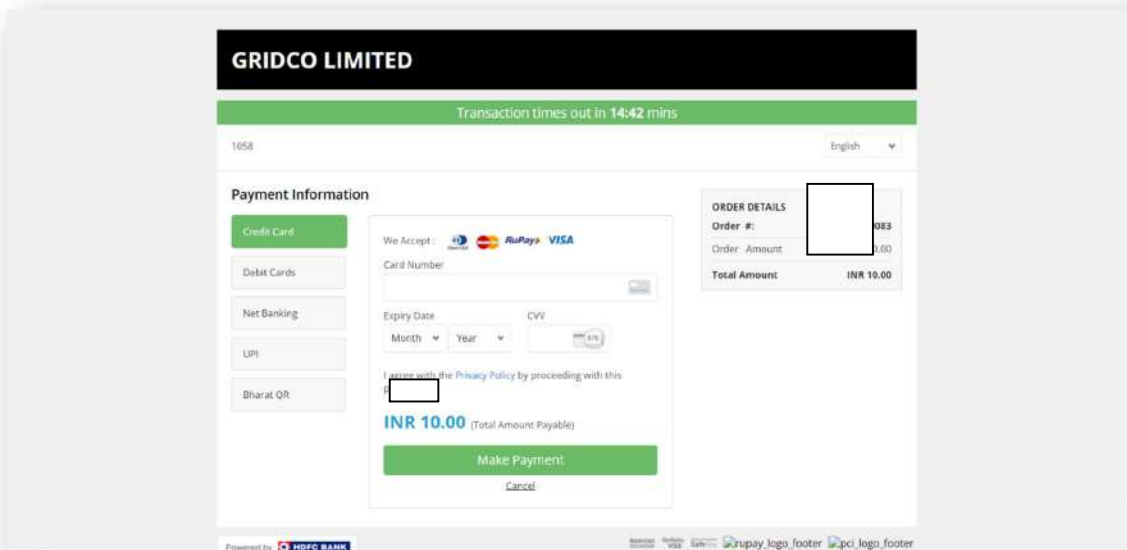
CHALLAN  PAYMENT GATEWAY

[Submit](#)

**Step-4: To finalize the payment process, click "Pay."**



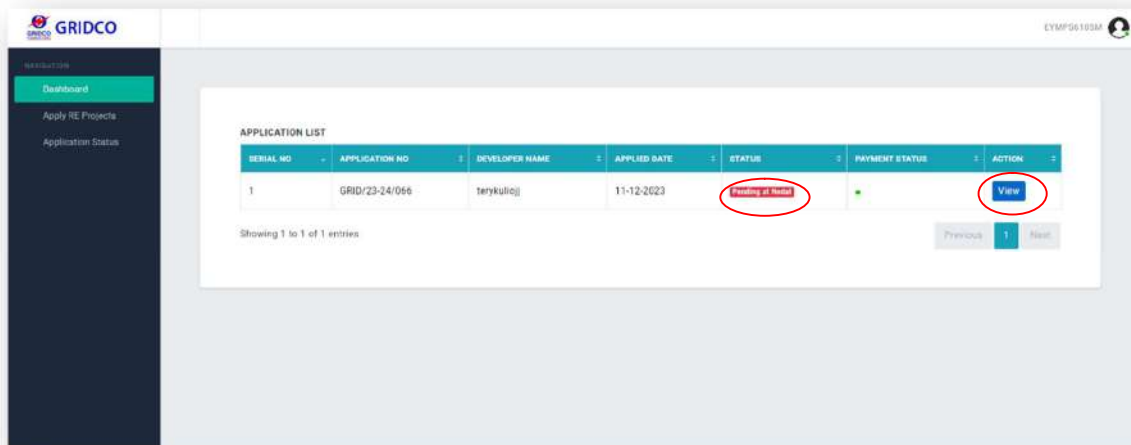
**Step-5: The application will be submitted after the payment process is finished, which requires selecting the desired payment option and clicking "Make Payment."**



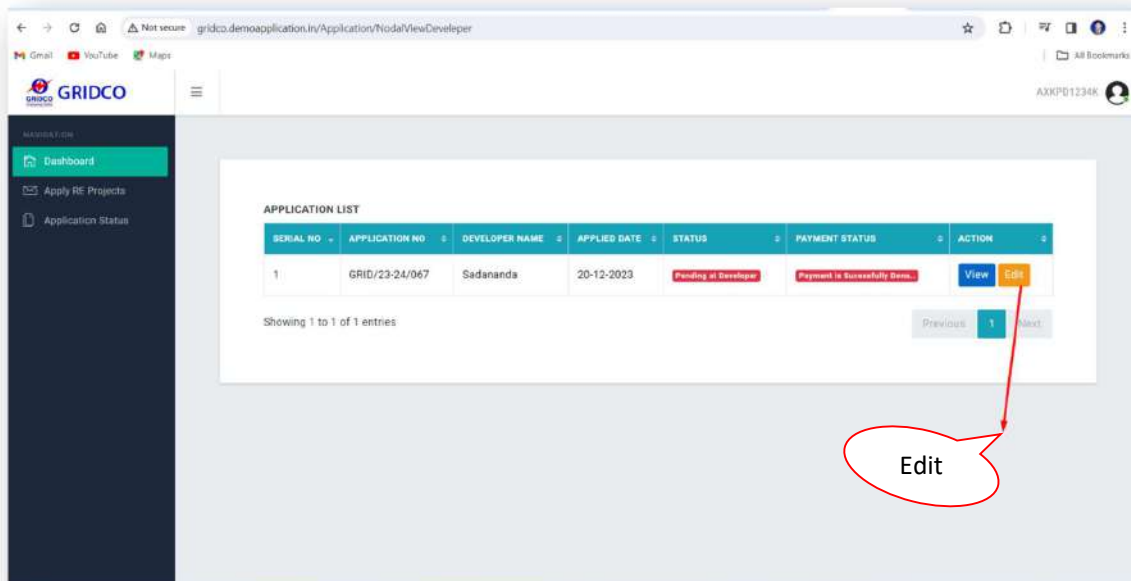
**Step-6: After the application has been submitted, you may view the details by selecting "Application Status" from the dashboard.**

## 8. APPLICATION STATUS

- The page below will show up after the application has been submitted; on that page, it shows the application status. You can check the status of the application details by clicking on "View".



- In case of any information required by the Nodal Agency officials then, it will show Edit option to rectify the application.



-----END-----