

Online Water Resources Project Clearance of Bangladesh, WARPO

User Manual

November 2020

Overview of the system

A web based Clearance Certificate Management System was developed to enhance and automate WARPO's management. Through this system managing a projects clearance would be much accurate as well as easier and secure.

This progressive dynamic web system is compatible with any modern desktop browsers, smart phone, iPad or tablet.



Guidance for using the system

New user needs to registration and full-fill his/ her profile information. Click on Register link button. A new registration blank form will appear. User need to input his/ her desired **User Name** (user name must be less or equal to 20 characters and required field), **Password** and **Confirm Password** (password and confirm password must need to match and auto password strength checking after lost focus of password textbox and required field), **Email** (a valid unique email address, which has not been used before in this application and required field), **Mobile** (a valid and unique 11 digit mobile number and it is also required field). You need to accept terms and conditions and then click on **Sing Up** button to complete your registration first step. A confirmation email will be sent to the email address you have provided and subject will be **Online Clearance Certificate System - Confirmation of User Registration**.



Figure: Link buttons

The registration form is titled 'Online Water Resources Project Clearance of Bangladesh'. It includes a link 'Don't have an account? Create your account, it takes 1 minute.' and fields for 'User Name *' (filled with 'Ishrak'), 'Password *' (filled with '*****'), 'Confirm Password *' (filled with '*****'), 'Email *' (filled with 'ishrak.work1@gmail.com'), and 'Mobile *' (filled with '01771342541'). There is a checkbox for 'I accept Terms and Conditions' which is checked. A green callout box points to the password field with the text: 'Password must be 8 character long and should contain number and special chrecter'. A green 'Sign Up' button is at the bottom.

Figure: New registration form

Online Clearance Certificate System - Confirmation of User Registration



Inbox x

cegis.warpo@gmail.com

9:38 AM (0 minutes ago)



to me ▾

Dear Applicant,

Congratulations! You have successfully completed the registration as an applicant in the online Clearing Certificate System of WARPO. You will be able to apply for clearance certificate through this web application now.

As you know, Online Clearing Certificate System of WARPO has been developed to automate the processing of clearance certificate digitally, you will be able to apply for the certificate choosing one of the options from different project types both in Bengali and in English language. You will be notified by mail in different stages while processing the application.

In order to apply for clearance certificate, you must login to the system using your user id: **Ishrak** and password: **cegis@123**. Please note that your password is very important for maintaining the security of your account. Do not disclose it to anyone.

To verify your account please click on the link:

http://202.53.173.185/warpo_cct/account/verify/10140571-e4d0-4840-80c6-b99c9a1e0913

Hope you will be able to apply for clearance certificate using this application easily. For any query please call at 16290 or +8801919495465.

Many thanks for your cooperation.

With Regards,

|

System Administrator,
Water Resources Planning Organization (WARPO),
Ministry of Water Resources,
Government of the People's Republic of Bangladesh.

Figure: Verification link button from email

Please go to your email and open up your confirmation email then click on the verify link on the email body.

After email verification there will be a new window where new user must fill up with personal profile details. Here they must upload signature (Signature must be 300-pixel width, 80-pixel height and must not exceed 60 KB) and NID.

User ID: **Ishrak**

Applicant Type *

Individual

Applicant Name (English) *

Ishrak Mohammad

আবেদনকারীর নাম (বাংলায়) *

ইশ্রাক মোহাম্মদ

Organization Name (English) *

Enter organization name in english

প্রতিষ্ঠানের নাম (বাংলায়) *

Enter organization name in bengali

Organization Address (English)

Enter organization address in englis

প্রতিষ্ঠানের ঠিকানা (বাংলায়)

Enter organization address in beng

Profession

IT services

Designation

Enter designation

National ID No *

1997234633857

Upload NID *

nid.jpg

Browse

Postal Address (English) *

503/6, Malibagh Baganbar, Dhaka -

পত্রের ঠিকানা (বাংলায়) *

৫০৩/৬, মালিবাগ বাগানবাড়ি, ঢাকা -

Security Question *

In what town or city was your fir

Answer of Security Question *

Dhaka

Upload Signature *

sig.png

Browse

Submit

Clear

Figure: New user profile completion form

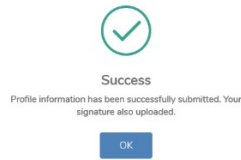


Figure: Profile successfully completion notification message

Now, you are ready to use this application and go to login page enter your credentials (User Name and Password), input captcha code and click on Login button or hit enter button from your key board.

Figure: Application Login Form

Successful login as applicant will take you to Dashboard of this application. A menu will be organized as per user level. An applicant can apply for a new project from click on **Apply** link bar and can view applied applications from click on **Application Status** link bar.

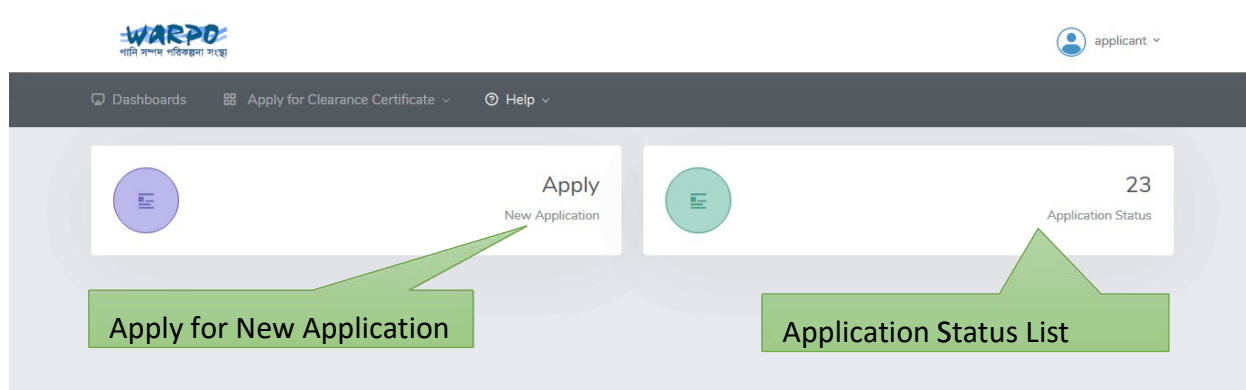


Figure: Application dashboard

Sample list view of applied applications of an applicant user. When an application is finally approved by higher authority, then this project clearance certificate will be downloadable otherwise it will show application current stage status. You can detail view of pending approval application by clicking on **View** button.

Application List

Sl.	Application Type	Project Name	Estimated Cost	Status	
1	Flood Control Management Project	Project Name	100000	Approved	Download
2	Project for Surface Water Withdrawal, Distribution or Use	Project Name Surface Water Withdrawal, Distribution	950000	Approved	Download
3	Project for Surface Water Withdrawal, Distribution or Use	Surface Water Withdrawal	2500000	Approved	Download
4	Irrigation by Surface Water	Irrigation by Surface Water	1000000	Approved	Download
5	Project for Surface Water Withdrawal, Distribution or Use	Project Name	2500000	Pending	View
6	Project for Construction of Hydraulic Infrastructure	fomr 34	900000	Approved	Download

Figure: Sample list view of applied applications

Any submitted application can be traced through dedicated tracking system

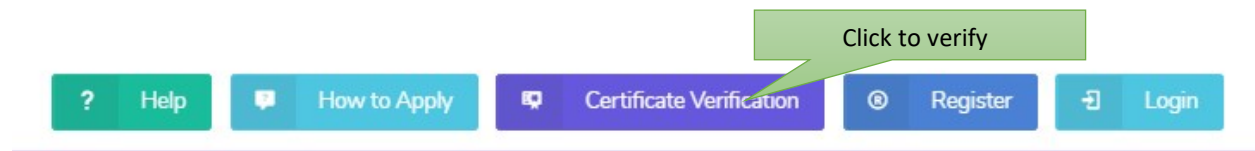


Figure: Link buttons

Here from the upper link buttons in login window click the certificate verification button. This will redirect to certificate verification page

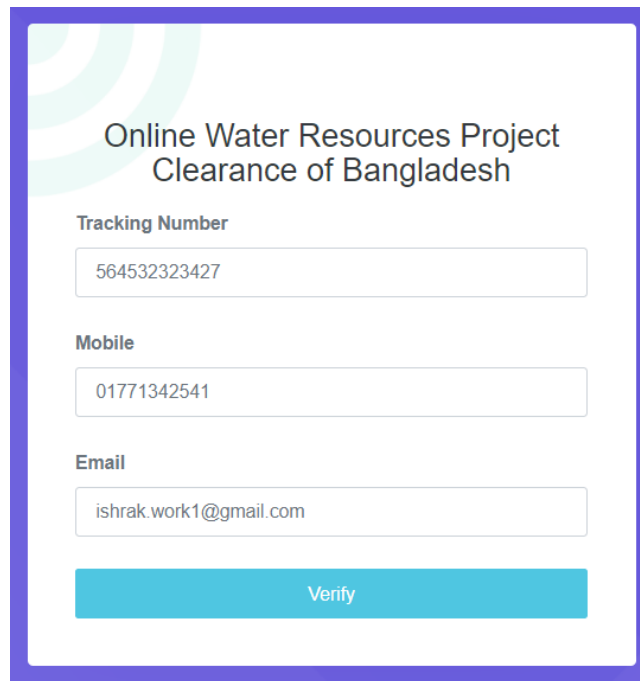
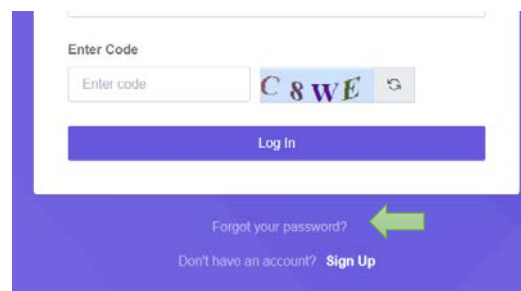


Figure: Verification panel

Here enter tracking number of application form, mobile number and email address. This will verify and give a tracking of current situation of the application.

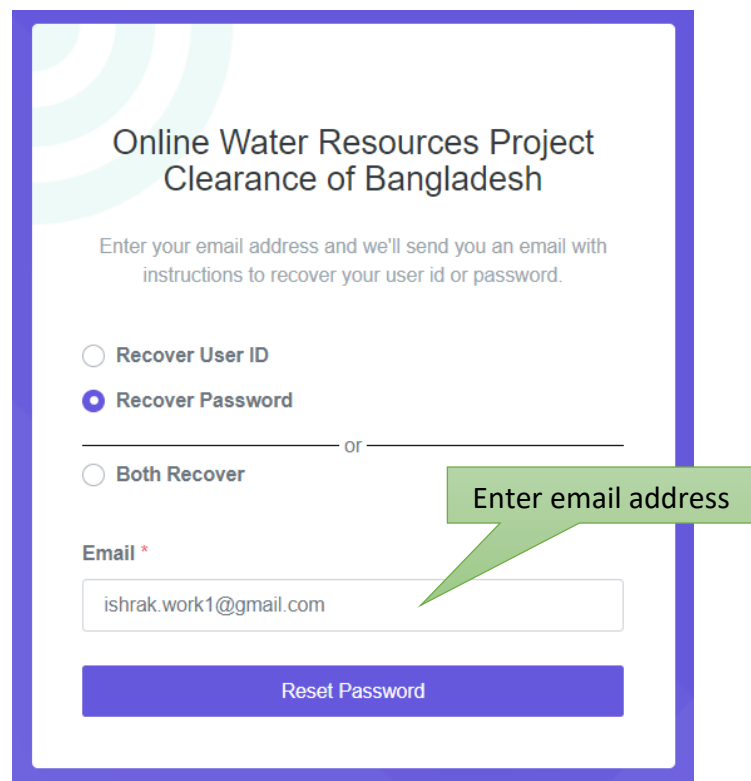
If any user forgets his password or user ID it is very easy for them to recover their log-in credentials.



The image shows a login interface. At the top, there is a text input field labeled 'Enter Code' with a placeholder 'Enter code'. To the right of the input field is a CAPTCHA image showing the letters 'C 8 W E' and a refresh icon. Below the input field is a blue button labeled 'Log in'. At the bottom of the login panel, there is a link 'Forgot your password?' with a green arrow pointing to it from the right. Below this link is another link 'Don't have an account? Sign Up'.

Figure: Forgot password link

There is a link to forgot password link just beneath the log-in panel. This will redirect to recovery page



The image shows the 'Online Water Resources Project Clearance of Bangladesh' recovery page. It has a title and a subtitle: 'Enter your email address and we'll send you an email with instructions to recover your user id or password.' Below this are three radio button options: 'Recover User ID', 'Recover Password' (which is selected), and 'Both Recover'. There is a horizontal line with 'or' in the middle. Below the options is an 'Email *' label and an input field containing 'ishrak.work1@gmail.com'. A green callout bubble with the text 'Enter email address' points to the input field. At the bottom is a blue button labeled 'Reset Password'.

Figure: Recovery page

Here you can recover your password or user ID or both at the same time. Just select which needed to be recovered and enter email address.

Online Clearance Certificate System - User ID or Password Recovery Inbox x

cegis.warpo@gmail.com

11:01 AM (0 minutes ago) ☆

to me ▾

Dear User,

Congratulations! You have successfully recovered your user name and password.

User Name: Ishrak

Password: cegis@123

For any query, please call at 16290 or +8801919495465.

Many thanks for your cooperation.

With Regards,

System Administrator,
Water Resources Planning Organization (WARPO),
Ministry of Water Resources,
Government of the People's Republic of Bangladesh.

Figure: recovery email

There will be an email to your account about recovery information.

Application Form: To apply for new project CC, click on the apply button from Dashboard page.

Figure: New clearance certificate form

Figure: Select form language

From here choose a language Bangla or English. Menu will appear in Bangla mode for Bangla Language selection and English language appear on English Language selection.

Figure: Bengali language form type

Figure: English language form type

You need to choose a project type from the Select Project Type drop down box. After choosing your preference click on Next button to continue. Suppose, you have selected Flood Control Management Project thereafter a blank form will appear like below:

Flood Control Management Project

Application Form

Preview

Back

General Information

Technical Information

Deed Obligatory

Administrative

Final Submit

Project Name *

Project Background and Rationale*

Project Target*

Project Objective*

Project Activities/ Components

Project Period

Starting Time

Completion Time

Estimated Project Cost

0

Save Clear

Project Location

#	District	Upazila	Union	Latitude	Longitude	Project Location Photo
	Choc	C	C			Choose File No file chosen

Sorry, no data found

Figure: Flood Control Management Project form data entry view

Here is the application form. There is a navigation panel on the left side to switch between the fragmented form sections. Actually there are four (04) sections, they are named as respectively General Information, Technical Information, Deed Obligatory and Administrative.

General Information Section

The first one is General Information section and here all the red (*) star marked must be filled out. The English phonetic typing automatically converts to Bangla if language selection was Bengali. By pressing save button all the mandatory and optional data gets stored. A save

notification will show in pop-up and right-top view. Moreover, you can add single or multiple project location. You will be able to add project location attachment as image, word or pdf format. Non-negative decimal numbers would be input to project latitude and longitude. Latitude and longitude are very important to generate dynamic location of clearance certificate project on Map view. On map view the attached document will be appear with other information.


#	District	Upazila	Union	Latitude	Longitude	Project Location Photo
1	Dhaka	Savar	Savar Pourashava	23.8773261	90.2263511	

Figure: Project location data view with attachment

Technical Information Section

Second part is to keep project technical information. It has multiple sub section and will vary on different project type. Mentionable sub-sections are below:

- i. Discussion about baseline related information or situation
- ii. Issue, Challenge or Problem
- iii. Discussion with stakeholders during starting of the project
- iv. Analyze options to fulfill objective
- v. Design submitted with project document
- vi. Environmental and Social Impact Assessment
- vii. Use of Appropriate tools, technics, analytical procedures
- viii. Economical & Financial Analysis

Some features you need to input as text or number, some are multiple selection (e.g. Checkboxes) and single selection (e.g. Radio options or Dropdown options). All the individual parameters can be editable or removable. Several fields in tabular view format. User can add or remove multiple information in an individual table.

1. Discussion about baseline related information or situation

Multiple selection (checkboxes)

Hydrological Region

☐ North Central
 ☐ Northeast
 ☐ Northwest
 ☐ South Central
 ☐ Southeast
 ☐ Southwest
 ☐ River and Estuary
 ☐ Eastern Hills

Bangladesh Delta Plan 2100 Hot Spot

☐ Coastal Areas
 ☐ Barind Tract and Drought-Prone Region
 ☐ Haor (backswamp) and Flash Flood-Prone Areas
 ☐ Chittagong Hill Tract Region
 ☐ River Region and Estuaries
 ☐ Urban Region

Hydrological System

Multiple data entry

#	Hydrological System	Name	Length or Area
Choose...			<input type="button" value="Add"/> <input type="button" value="Clear"/>

Sorry, no data found

Textual data input box

Connectivity Amid Khals, River and Wetland

Catchment Area (ha)

Number data input box

Annual Rainfall (last five years)

2019	2018	2017	2016	2015

Highest Flood Level (m, PWD)

Maximum Discharge (m³/s)

Types of Flood

☐ Rainfall Flood
 ☐ River Flood
 ☐ Flash Flood
 ☐ Coastal/ Tidal Flood
 ☐ Storm Surge Flood

Figure: Discussion about baseline related information or situation

2. Issue, Challenge or Problem

Issue, Challenge or Problem

Figure: Issue, Challenge or Problem

3. Discussion with stakeholders during starting of the project

Discussion with stakeholders during starting of the project

☒ Yes ☐ No

Applicant Comments

Authority Comments

Positive Feedback

Negative Feedback

Participant List

Choose file Browse

Meeting Minutes

Choose file Browse

Figure: Discussion with stakeholders during starting of the project

4. Analyze options to fulfill objective

☒ Yes
 ☐ No

Applicant Comments

Authority Comments

#	Option	Description	Remarks
			<input type="button" value="Lock"/> <input type="button" value="Refresh"/>

Sorry, no data found

Figure: Analyze options to fulfill objective

5. Design submitted with project document

#	Parameters	Yes/ No	Applicant Comments	Authority Comments
	Choose... <input type="button" value="v"/>	<input checked="" type="radio"/> Yes <input type="radio"/> No		

Sorry, no data found

Figure: Design submitted with project document

6. Environmental and Social Impact Assessment

☐ Yes
 ☒ No

Applicant Comments

Authority Comments

Figure: Environmental and Social Impact Assessment

7. Use of Appropriate tools, technics, analytical procedures etc. —

☒ Yes
 ☐ No

Applicant Comments

Authority Comments

Figure: Use of Appropriate tools, technics, analytical procedures etc.

8. Economical & Financial Analysis —

#	Item	Unit	Applicant Comments	Authority Comments	
	Choose... ▼	Choc ▼			<input type="button" value="Save"/> <input type="button" value="Cancel"/>
	Choose... EIRR (Economic Internal Rate of Return) FIRR (Financial Internal Rate of Return)		Sorry, no data found		

Figure: Economical & Financial Analysis

Enter your preferred data to entry form, then click on Save button to store data. A notification message will appear after click on Ok button and success message will be look like:

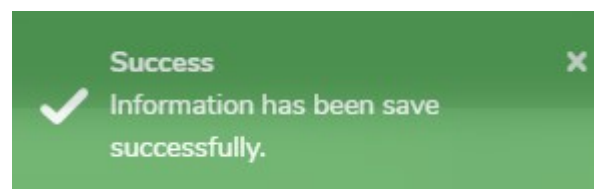


Figure: Successfully save notification

Deed obligatory Section

The third section where deed obligatory are stored. There are conditional check boxes. Any check boxes can be selected in multiple amount.

9. Compatibility with National Water Policy

☒ Yes ☐ No

Applicant Comments

Authority Comments

Document Upload

Document Link

Choose file Browse

Please choose article

<input type="checkbox"/> Article 4.1 ↗	<input type="checkbox"/> Article 4.2 ↗	<input type="checkbox"/> Article 4.3 ↗	<input type="checkbox"/> Article 4.4 ↗	<input type="checkbox"/> Article 4.5 ↗
<input type="checkbox"/> Article 4.6 ↗	<input type="checkbox"/> Article 4.7 ↗	<input type="checkbox"/> Article 4.8 ↗	<input type="checkbox"/> Article 4.9 ↗	<input type="checkbox"/> Article 4.10 ↗
<input type="checkbox"/> Article 4.11 ↗	<input type="checkbox"/> Article 4.12 ↗	<input type="checkbox"/> Article 4.13 ↗	<input type="checkbox"/> Article 4.14 ↗	<input type="checkbox"/> Article 4.15 ↗
<input type="checkbox"/> Article 4.16 ↗				

Figure: Compatibility with National Water Policy

10. Compatibility with National Water Management Plan (NWMP) —

☒ Yes
 ☐ No

Applicant Comments

Authority Comments

Document Link

Choose file

Browse

View article in new tab

Document Upload

If Yes (programme involved)

<input type="checkbox"/> MR 001 <a>	<input type="checkbox"/> MR 002 <a>	<input type="checkbox"/> MR 003 <a>	<input type="checkbox"/> MR 004 <a>	<input type="checkbox"/> MR 005 <a>
<input type="checkbox"/> MR 006 <a>	<input type="checkbox"/> MR 007 <a>	<input type="checkbox"/> MR 008 <a>	<input type="checkbox"/> MR 009 <a>	<input type="checkbox"/> MR 010 <a>
<input type="checkbox"/> MR 011 <a>	<input type="checkbox"/> MR 012 <a>	<input type="checkbox"/> DM 001 <a>	<input type="checkbox"/> DM 002 <a>	<input type="checkbox"/> DM 003 <a>
<input type="checkbox"/> DM 004 <a>	<input type="checkbox"/> DM 005 <a>	<input type="checkbox"/> DM 006 <a>	<input type="checkbox"/> TR 001 <a>	<input type="checkbox"/> TR 002 <a>
<input type="checkbox"/> TR 003 <a>	<input type="checkbox"/> TR 004 <a>	<input type="checkbox"/> TR 005 <a>	<input type="checkbox"/> TR 006 <a>	<input type="checkbox"/> TR 007 <a>
<input type="checkbox"/> TR 008 <a>				

Figure: Compatibility with National Water Management Plan (NWMP)

12. Compatibility with Sustainable Development Goal (SDG) —

☒ Yes
 ☐ No

Applicant Comments

Authority Comments

Document Link

If Yes

☐ Goal 1
☐ Goal 2
☐ Goal 3
☐ Goal 4
☐ Goal 5

☐ Goal 6
☐ Goal 7
☐ Goal 8
☐ Goal 9
☐ Goal 10

☐ Goal 11
☐ Goal 12
☐ Goal 13
☐ Goal 14
☐ Goal 15

☐ Goal 16
☐ Goal 17

SDG 6.0 Indicators

☐ 6.1.1
☐ 6.2.1
☐ 6.3.1
☐ 6.3.2
☐ 6.4.1

☐ 6.4.2
☐ 6.5.1
☐ 6.5.2
☐ 6.6.1
☐ 6.a.1

☐ 6.b.1

Figure: Compatibility with Sustainable Development Goal (SDG)

21. Project development by emphasizing on underprivileged people, child, women and important social issues —

☒ Yes
 ☐ No

Applicant Comments

Authority Comments

Figure: Compatibility with Sustainable Development Goal (SDG)

Enter your preferred data to entry form, then click on Save button to store data. A notification message will appear after click on Save button and success message will be look like:

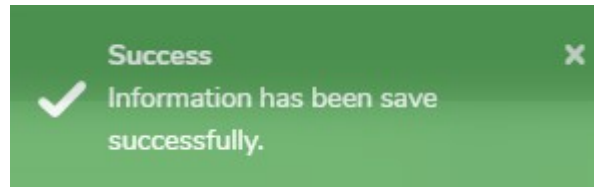


Figure: Successfully save notification

Administrative Section

The administrative section holds all the important financial and administrative information of the project. Project no objection certificate (NoC) type, NoC document, payment type, payment document number, paid amount with payment date and payment related document need to be provide in this panel.

No Objection Certificate

NOC Type

Choose...

Upload NOC Documents

Choose file

Browse

Payments

Payment Type

Choose...

Payment Document Number

Paid Amount

Payment Date

Payment Document File

Choose file

Browse

Recommendation

Recommendation

Choose...

Conditional

Save

Clear

Figure: Administrative and payment section

Preview: There is a preview tab on the right side to see the outcome of the form and make any changes before final submission for error free work flow.

WARPO জাতীয় জল সম্পদ পরিকল্পনা সংস্থা

applicant

Dashboards Apply for Clearance Certificate

Flood Control Management Project Back

Application Form Preview

Application for Clearance Certificate
(Flood Control Management Project)

To
Executive Committee
National Water Resources Project Committee.

Through: Director General, Water Resources Planning Organization.

I, the undersigned, willing to initiate and implement a project on Flood Control/Management, And I am hereby requesting for clearance certificate with relevant attachments.

Full Name and Address of Applicant

A.T.M. Saidul Karim,
House #09, Road #12, Uttar Badda, Dhaka-1212
Mobile: 01919495465
Email: saidulkarim@cegisbd.com

A. General Information

i. Project Name: Hatiya
ii. Project Background and Rationale: প্রজেক্ট এর কারণ
iii. Project Target: নাই
iv. Project Objective: নাই

iv. Project Location

#	Union	Upazila	District	Latitude	Longitude	Attachments
1	Hatiya Paurashava	Hatiya	Noakhali	99.00877668956	23.09878	null

viii. Estimated Project Cost: 450000

vii. Project Period

Starting time Completion time
9/9/2020 12:00:00 PM

B. Technical Information

1. Discussion about baseline related information or situation

See final output by selecting preview tab

Figure: Preview of from

At the end if everything is correctly done the final submission send the form for getting approval from higher authority.

Flood Control Management Project Back

Application Form Preview

General Information

Project Location

Technical Information

Deed Obligatory

Administrative

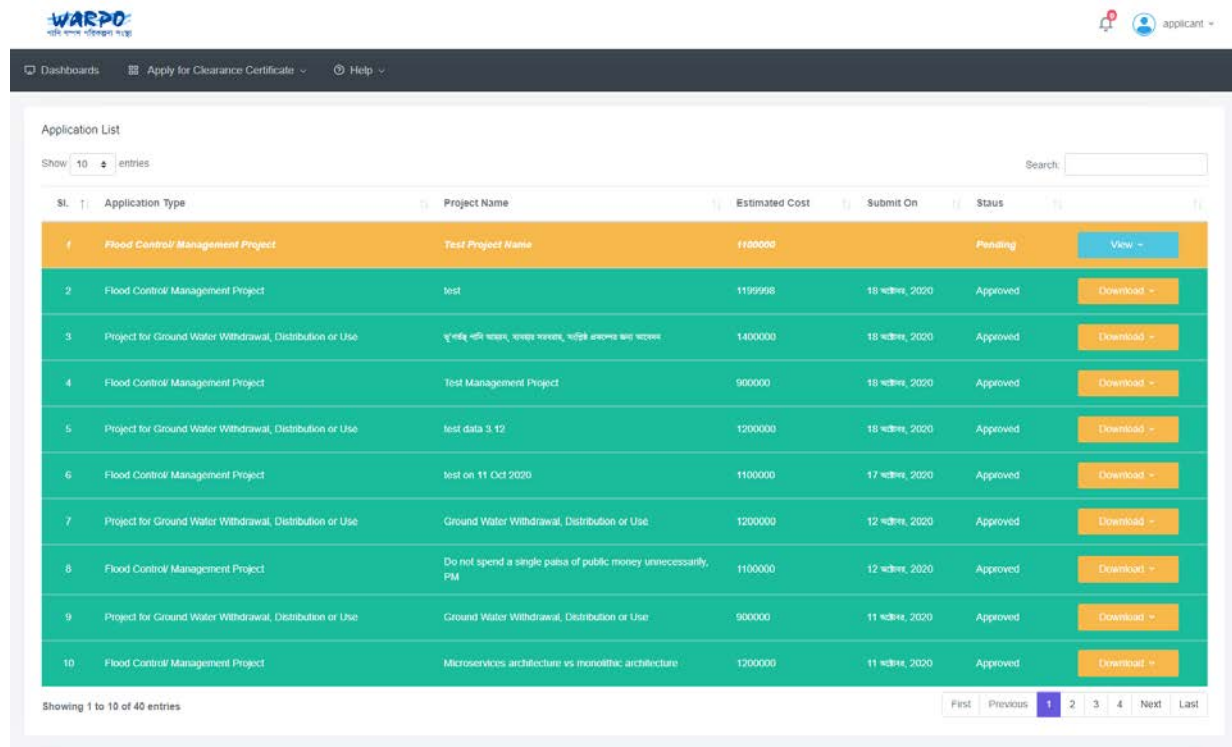
Final Submit

Before you submit, please make sure you have entered all valid information and attached relevant documents.

Final Submission

Figure: From final submission panel

To check the status of submitted form, please go to dashboard then enter application status panel on the right. Here is the list of all submitted application. Any submitted form can be viewed.



The screenshot shows the WARPO (Water Resource Planning and Optimization) application status panel. The header includes the WARPO logo, navigation links for Dashboards, Apply for Clearance Certificate, and Help, and a user profile icon labeled 'applicant'. The main section is titled 'Application List' and features a search bar and a 'Show 10 entries' dropdown. The table below lists 10 applications with columns for Sl. No., Application Type, Project Name, Estimated Cost, Submit On, Status, and a button to view or download the application.

Sl.	Application Type	Project Name	Estimated Cost	Submit On	Status	Action
1	Flood Control/ Management Project	Test Project Name	1180000		Pending	View -
2	Flood Control/ Management Project	test	1199998	18 wdhm, 2020	Approved	Download -
3	Project for Ground Water Withdrawal, Distribution or Use	কৃষি ও মাছ চাষ, নদী সুরক্ষা, নদী প্রকল্পের অংশ	1400000	18 wdhm, 2020	Approved	Download -
4	Flood Control/ Management Project	Test Management Project	900000	10 wdhm, 2020	Approved	Download -
5	Project for Ground Water Withdrawal, Distribution or Use	test data 3.12	1200000	18 wdhm, 2020	Approved	Download -
6	Flood Control/ Management Project	test on 11 Oct 2020	1100000	17 wdhm, 2020	Approved	Download -
7	Project for Ground Water Withdrawal, Distribution or Use	Ground Water Withdrawal, Distribution or Use	1200000	12 wdhm, 2020	Approved	Download -
8	Flood Control/ Management Project	Do not spend a single paisa of public money unnecessarily, PM	1100000	12 wdhm, 2020	Approved	Download -
9	Project for Ground Water Withdrawal, Distribution or Use	Ground Water Withdrawal, Distribution or Use	900000	11 wdhm, 2020	Approved	Download -
10	Flood Control/ Management Project	Microservices architecture vs monolithic architecture	1200000	11 wdhm, 2020	Approved	Download -

Showing 1 to 10 of 40 entries

First Previous 1 2 3 4 Next Last

Figure: Applied application list