

PROJECT MANAGEMENT SYSTEM - (PMS)

DEVELOPERS USER GUIDE

Version No.: 1.0





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Table 1: Document Distribution List





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CHAPTER 1: INTRODUCTION

1.1 Background Information

Environmental Impact Assessment (EIA) is a procedure used to examine the environmental consequences or impacts, both beneficial and adverse, of a proposed development project and to ensure that these effects are taken into account in a project design. The purpose of EIA is to assist in the decision-making process and to ensure that any projects undertaken are environmentally sound and sustainable. EIA identifies the ways of improving project's environmental impact and in so doing helps in preventing, minimizing, mitigating or compensating for adverse impacts that might be caused by the project concerned.

The main objective of establishing this project is to enable National Environmental Management Council (NEMC) to have EIA system which will help in identifying, analyzing and assessing any possible environmental effects of various activities whether cultural, healthy or social impacts and how those impacts can be mitigated while creating awareness and transparency so as to enhance informed decision. Specifically, the project aimed at developing a centralized database software system compatible with NEMC which will enable NEMC staff to document all activities and tasks related to EIA process, analyze information and report on progresses/monitoring of the projects.





1.2 Benefits of the EIA Process

EIA allows the likely significant environmental effects of a project to be identified and to be avoided, remedied or minimized at an early stage. Nevertheless, the general public is often concerned about the possibility of unknown or unforeseen environmental effects of particular development. The project has the following benefits: -

- i. Potentially screens out environmentally-unsound projects
- ii. Proposes modified designs to reduce environmental impacts
- iii. Identifies feasible alternatives
- iv. Predicts significant adverse impacts
- v. Identifies mitigation measures to reduce, offset, or eliminate major impacts
- vi. Engages and informs potentially affected communities and individual
- vii. Influences decision-making and the development of terms and conditions
- viii. Reduced cost and time of project implementation.
- ix. Cost-saving modifications in project design.
- x. Increased project acceptance.
- xi. Avoided impacts and violations of laws and regulations.
- xii. Improved project performance.

1.3 Terms and Acronyms

Please refer to the table below for a list of the acronyms and definitions used in this document.

Terms and Acronyms	Description
CPU	Central Processing Unit
EAP	Environment Assessment Portal
EIA	Environment Impact Assessment
EIS	Environment Impact Statements
GB	Gigabyte
HDD	Hard Disk Drive
HTML	Hypertext Markup Language





MySQL	My Structured Query Language	
NEMC	National Environment Management Council	
PEA	Primary Environmental Assessment	
PHP	Hypertext preprocessor	
PMS	Projects Management System	
RAM	Read Access Memory	
TAC	Technical Advisory Committee	
ТВ	Terabyte	
ToR	Terms of Reference	
UAT	User Acceptance Testing	
VCL	Visibility Company Limited	
VPO	Vice President Office	
EIA-PMS	Environment Impact Assessment Projects Management System	

Table 3: Terms and Acronyms

1.4 Intended Audience

This document is intended for the following audiences:

- Project Developers
- Public User.
- Stakeholders





1.5 Document Structure

The following main topics will be covered in this user manual document:

- Chapter 1: **Introduction**: This chapter outlines the structure, terms and acronyms, objectives and intended use of this document.
- Chapter 2: **Requirements:** There are certain requirements so that you can use the PMS well. In the requirements, we present only one aspect: Client requirements The server side is for technical users.
- Chapter 3: **User Interface:** There are two user interfaces in the PMS for Developers portal: public users and registered developers. Each interface has its own functionality to serve public users and registered users (developers). Public users can view only some of the information about various projects registered with NEMC
- Chapter 4: **Log In, accessibility and navigation:** This chapter describes the features available on the login screen, the initial enterprise system settings, and the global variables used to connect to the server side
- Chapter 5: **Projects Registration:** This chapter describes how to register new projects and manage existing projects. Moving Documents, Approving Documents, and Selecting the Project Expert
- Chapter 6: **Fee Payment:** This chapter describes how the user/developer can pay various fees through Mpesa, Tigo Pesa, Airtel Money and also through banks.
- Chapter 7: **Project Stages:** Collection of activities within a project, each phase of the project is goal oriented and ends at a milestone. Reaching these milestones means that the project is progressing and each phase can be divided into sub-phases. The main project phases are: Registration, Screening, Scoping, EIA report preparation, Review, Certificate issuance and Monitoring.
- Chapter 8 Alerts: The definition of alert is a message sent to the developer about project activity or a request from NEMC about a particular project.

Table 4: Document Structure





CHAPTER 2: REQUIREMENTS

2.1 System Requirements

System requirements are the necessary specifications that a device must have in order to use a particular piece of hardware or software. For example, a computer requires a specific I/O port to work with a peripheral device. A smartphone may need a specific operating system to run a specific application. Before you purchase a software program or hardware device, you can check the system requirements to make sure the product is compatible with your system. Typical system requirements for a software program are:

2.2 Minimum/Recommended Requirements

The following list contains both minimum and recommended system requirements. For example, a video game may work with the minimum requirements of CPU and the GPU, but it works better with the recommended hardware. A more powerful processor and graphics card can provide better graphics and faster frame rates. Below is an example of the minimum and recommended system requirements

Minimum requirements:

- 1. Relatively recent Operating System (e.g. Windows XP or 7, or equivalent)
- 2. Office tools (e.g. MS Office support MS Word, MS Excel, or equivalent)
- 3. Email client (e.g. MS Outlook, or equivalent) with access to the end user's mailbox
- 4. Browser: Internet Explorer (11 or higher), or Firefox (40 or higher), or Opera/Chrome/Safari (latest)
- 5. Session Cookies: enabled
- 6. Window Resolution: 1024 x 768
- 7. PDF viewer (e.g. Adobe PDF Reader, or equivalent)
- 8. Compression/decompression software (e.g. 7zip, winrar, or equivalent)





- 9. Access to the Internet through HTTP/HTTPS
- 10. A valid e-mail address

Recommended requirements:

- 1. Windows 7, or above
- 2. MS Office 2007, or above
- 3. Email client (e.g. MS Outlook, or equivalent) with access to the end-user's mailbox Browser: Internet Explorer (11 or higher), or Firefox (45.0.1 or higher)
- 4. Session Cookies: enabled
- 5. Window Resolution: 1600 x 900
- 6. PDF viewer (e.g. Adobe PDF Reader, or equivalent)
- 7. Compression/decompression software (e.g. 7zip, winrar, or equivalent)
- 8. Access to the Internet through HTTP/HTTPS
- 9. A valid e-mail address
- 10. Pop-up blockers disabled
- 11. Application url : <u>eia.nemc.or.tz</u>





CHAPTER 3: USER INTERFACE

3.1 Public user Interface

The PMS user interface is a standard web application with a menu bar and a series of tabs that contain the various objects you will be working with. This section provides an overview of the user interface for **developers** and **public users**.

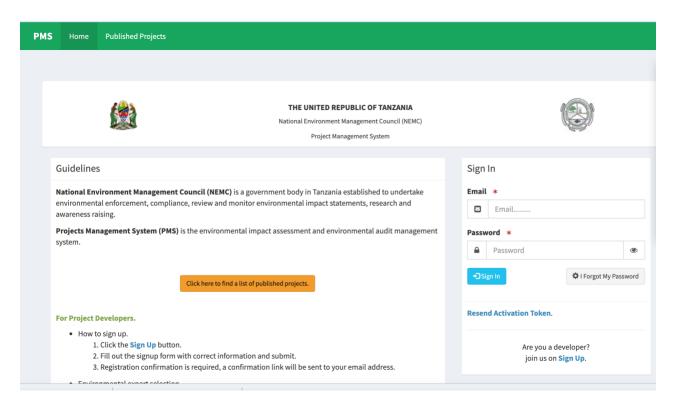


Figure 3.1: Public User interface Screenshot

Public users can only view published projects. Click the Published **Projects tab** to view the projects. If you need more details about the projects, you will need to request full access to NEMC.





3.2 Public User Guidelines:

The **National Environment Management Council (NEMC)** is a government agency in Tanzania responsible for environmental enforcement, regulatory compliance, review and monitoring of environmental impact statements, research and awareness raising. The **Project Management System (PMS)** is the management system for environmental impact assessment and environmental review.

For Project Developers.

- How to sign up.
 - 1. Click the **Sign Up** button.
 - 2. Fill out the signup form with correct information and submit.
 - 3. Registration confirmation is required, a confirmation link will be sent to your email address.
- Environmental expert selection.
 - 1. A list of proposed registered environmental experts will be provided.
 - 2. After a successful expert selection, a selected expert will be required to declare on a project.
- Attachments.
 - All attached documents should be in a Portable Document Format (PDF).
- Technical support.
 - o Email: <u>eiasupport@nemc.or.tz</u>.





3.3 Public User Role/Permission

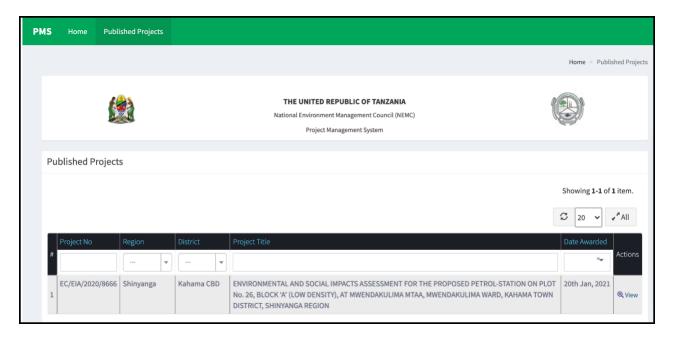


Figure 3.2: List of projects awarded certificate screenshot

Public users can view some of the information. Click Published Projects to view all projects for which the certificate has been issued. To view a project, click View under Action. Public users see a pop-up form with partial information about the published project. If you need more information, please contact NEMC for access.





Project Details with partial information

Project Details		
Project Number	EC/EIA/2020/8666	
Developer	Star Oil Tanzania Limited	
Project Title	ENVIRONMENTAL AND SOCIAL IMPACTS ASSESSMENT FOR THE PROPOSED PETROL-STATION ON PLOT No. 26, BLOCK 'A' (LOW DENSITY), AT MWENDAKULIMA MTAA, MWENDAKULIMA WARD, KAHAMA TOWN DISTRICT, SHINYANGA REGION	
Region	Shinyanga	
District	Kahama CBD	
Area	Mwendakulima	

Figure 3.3: Project details for public user screenshot





3.4 Developers Interface:

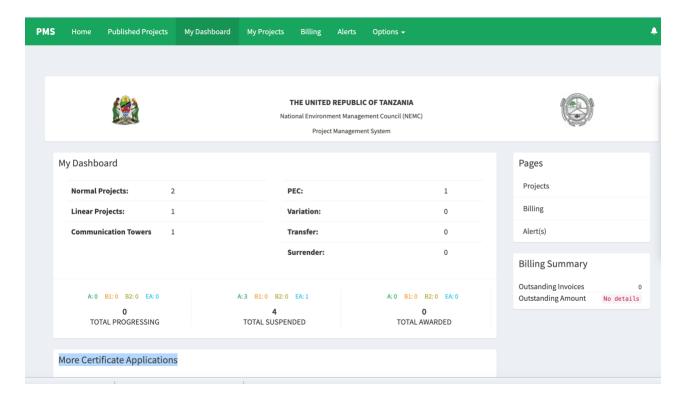


Figure 3.4: Developer Interface Screenshot

For menu description please refer topic 4.3 Successful First Login for Developers

3.5 Developer Guidelines

3.5.1 Provisional Environmental Certificate (PEC)

The PEC is a non-renewable permit; its validity period is four months from the date of issue. The Minister shall issue this permit (PEC) when the Council has conducted a site review of the proposed project. The developer to whom a PEC is issued must complete the environmental assessment within four months.

The Minister may issue a preliminary environmental clearance (PEC) to the applicant or developer proposing to invest in the following projects.

Agriculture and Agro-processing Industries





- Transport and Infrastructure
- Food and Beverage Industries
- Textile Industries
- Leather Industries
- Wood, Pulp and Paper Industries
- Building and Civil Engineering Industries
- Chemical Industries
- Extractive industries
- Non-metallic Industries
- Electrical and Electronic Industries
- Printing Industries

The following attachments may be required:-

- 1. Land ownership document for PEC
- 2. Signed application letter for PEC
- 3. Signed application letter for Variation
- 4. Signed application letter for Certificate Transfer
- 5. Scanned original EIA/EA certificate (Certificate Transfer)
- 6. Land Lease Agreement for PEC
- 7. Scanned original Specific conditions (Variation project)
- 8. Scanned original EIA/EA certificate (Variation project)
- 9. Scanned original Specific conditions (Certificate Transfer)
- 10. Signed application letter for Surrender
- 11. Decommission Plan
- 12. Scanned original EIA/EA certificate for Surrender
- According to THE ENVIRONMENTAL IMPACT ASSESSMENT AND AUDIT
 REGULATIONS of 2005 (regulation 35, 36 and 37) the holder of an
 environmental impact assessment is allowed to apply (with genuine reasons)
 for the following certificates: -





- 1. Certificate of Variation
- 2. Certificate of Transfer
- 3. Certificate of Surrender

3.5.2 Certificate of Variation

- **SECTION 35.- (1)** Where circumstances arise which compels or requires a developer or proponent to vary the terms and conditions on which an environmental impact assessment certificate has been issued, the holder of the certificate shall apply for a variation in accordance with the format in Form 5 specified in the Third Schedule to these Regulations accompanied by a prescribed fee.
- (2) The Minister may issue a certificate of variation of an environmental impact assessment certificate in Form No. 6 set out in the Third Schedule to these Regulations.
- **(3)** A variation of an environmental impact certificate issued under these Regulation may be issued without the holder of the certificate submitting a fresh environmental impact statement if the Council is satisfied that the project if varied would comply with the requirements of the original certificate.
- **(4)** Where an environmental impact assessment is required for variation of the environmental impact assessment certificate the provisions of Part IV of these Regulations shall apply.

3.5.3 Certificate of Transfer

- **SECTION 36.- (1)** The holder of an environmental impact assessment certificate may, on payment of the prescribed fee, transfer the certificate to another person only in respect of the project to which such certificate was issued.
- (2) The transferee as well as the transferor of an environmental impact assessment certificate shall be liable for all liabilities, and the observance of all obligations imposed by the transfer in respect of the certificate transferred, but the transferor shall not be responsible for any future





- liabilities or any obligations so imposed with regard to the environmental impact assessment certificate that was issued.
- (3) Where an environmental impact assessment certificate is to be transferred, the person to whom it is to be transferred and the person transferring it shall jointly notify the Minister of the transfer in Form 7 specified in the Third Schedule to these Regulations.
- **(4)** The Minister shall issue environmental impact assessment certificate of transfer of an environmental impact assessment certificate in Form 8 specified in the Third Schedule to these Regulations.
- **(5)** Where no joint notification of a transfer is given in accordance with this regulation, the registered holder of the environmental impact assessment certificate shall be deemed for the purposes of these Regulations and the Act to be the owner or the person having charge, management or control of the project, as the case may be.

3.5.3 Certificate of Surrender

- **SECTION 37.- (1)** The holder of an environmental impact assessment certificate may surrender the certificate issued under these Regulations to the Minister after ceasing to be responsible for the implementation of the project.
- (2) The holder of the environmental impact assessment certificate shall notify the Minister through the Council of the intention to surrender the certificate under sub-regulation (1) at least six months before the surrender by submitting a notification in Form 9 specified the Third Schedule to these Regulations together with the prescribed fees.
- (3) The holder of environmental impact assessment certificate shall not surrender it without the consent of the Minister.
- **(4)**The surrender of an environmental impact assessment certificate shall not be effective until the Minister issues environmental impact assessment certificate of surrender in respect of that an environmental impact assessment certificate in Form 10 specified in the Third Schedule to these Regulations.





• **(5)** A surrender shall be without prejudice to any liabilities or obligations which have accrued on the holder of the environmental impact assessment certificate prior to the date of surrender.

CHAPTER 4: LOGIN ACCESSIBILITY AND NAVIGATION

4.1 Developer Login accessibility

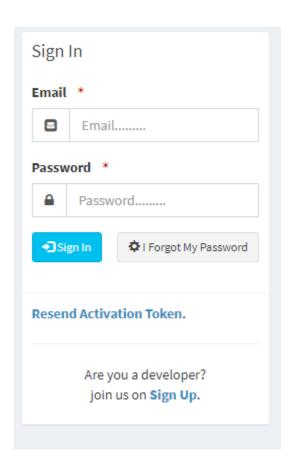


Figure 4.1: Login screen for developer

- Type your user name and password in order to login (Note: letters are case sensitive), for the first login you can change your password through your profile Menu, click Change Password on options Menu.
- To change the password make sure you provide the correct previous password, otherwise the new password fields will remain disabled till you provide the correct password.





4.2 Login to the system for the first time

For new developers, click Sign Up (the sign-up form will appear, see screenshot below). Fill in all the fields and click Submit. Note that * mandatory fields must be filled in to submit this form.

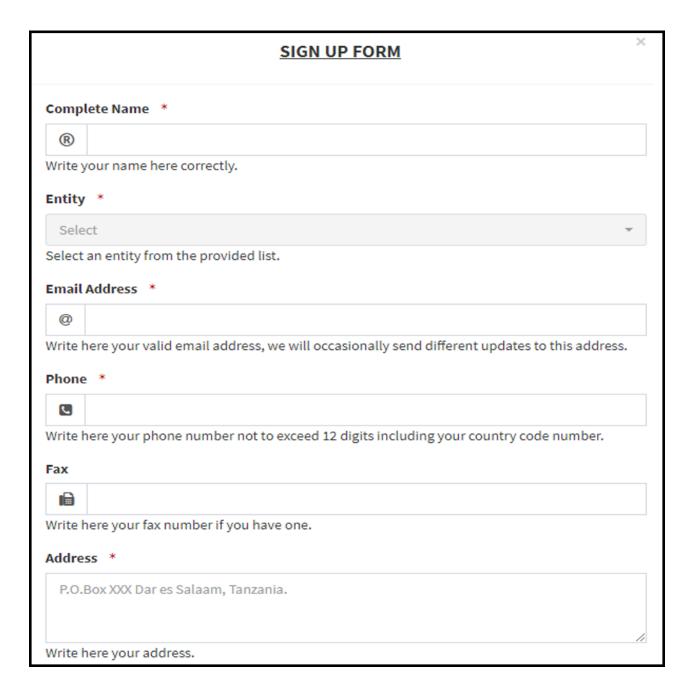


Figure 4.2: Signup form screenshot

Submission successful notification will pop see the message below





✓ Saved successfully, an activation link has been sent to your email address.

The user must activate their account using the link sent via email (see screenshot below). Click on the link to activate the account. After successful activation, a message will appear and you will need to log in as a registered developer.

Account Activation

Welcome Your name will appear here

You have successfully submitted your sign-up information. Please click the link provided below to activate your account.

http://eia.nemc.or.tz/pms/web/validate.eu?id=990812534&key= ksr33pJBlhxTf5M678hBjReKIOyZc2Ou

This action should be completed within **24 hours**. If sign-up event was not done by you, please let us know through ictsupport@nemc.or.tz

© 2020 National Environment Management Council (NEMC)

Figure 4.3: Account Activation email screenshot:

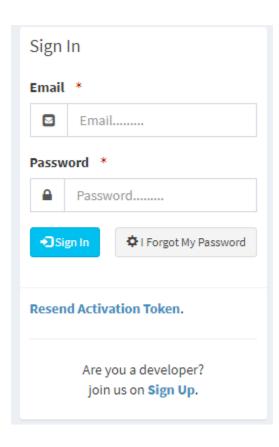
If you did not receive an email, click Resend Activation Token to receive the activation link. After activation, please use the password and your email address to log in to the system. If the user provides an incorrect password for a username more than 3 times, the user account will be automatically disabled. In this case, the user should contact the system administrator to reactivate the account.





4.3 Password Recovery/Change

The user can recover his password from the "Forgot your password" functionality (Figure 5) available from the home page



If the specified email is valid, the system sends an email to the associated address. The user's email contains a uniquely generated access link. (See Figure 6 for the activation link).

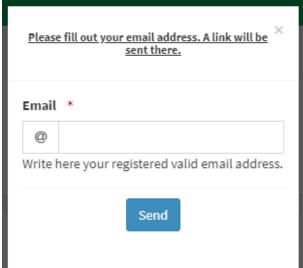


Figure 4.4: Password Recovery

Password reset email Link





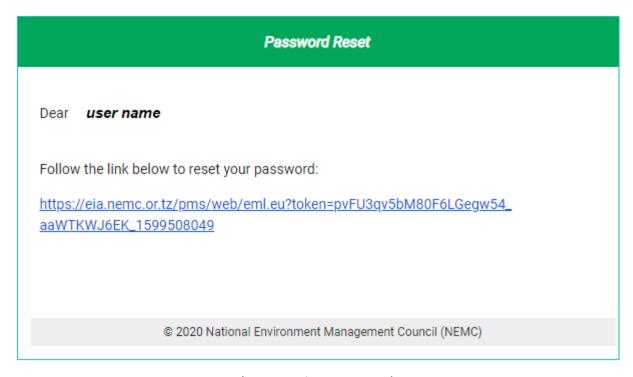


Figure 4.5: Password Reset

Click on the link that appears to reset your password. The following screen will open to reset your password (see *Figure 4.6*).

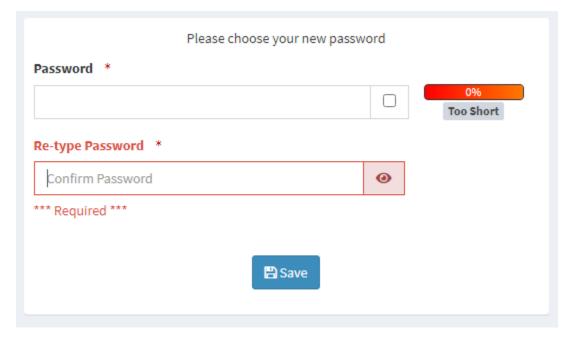


Figure 4.6: Resetting Password





To reset the password, the user accesses the displayed link. To trigger the password reset function, the system prompts the user to enter the password:

- New password
- Password confirmation
- Save button

4.4 Successful First Login.

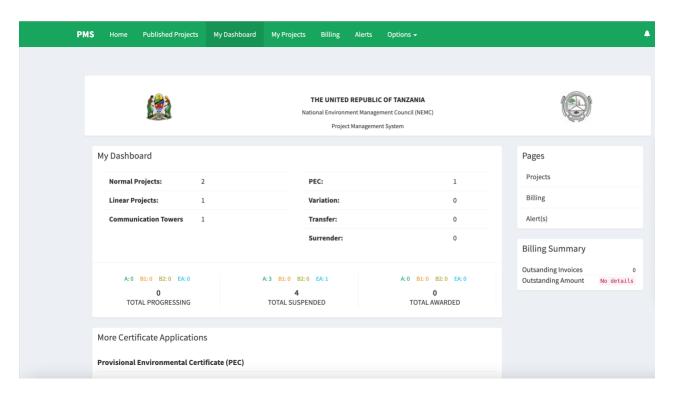


Figure 4.7: My Dashboard Screenshot

First login for developers he/she will see above form which contain the following menu

- 1. Published projects
- 2. My Dashboard
- 3. My Projects
- 4. Billing
- 5. Alerts
- 6. Options





Published Project: Click this tab to see the projects already issued certificates.

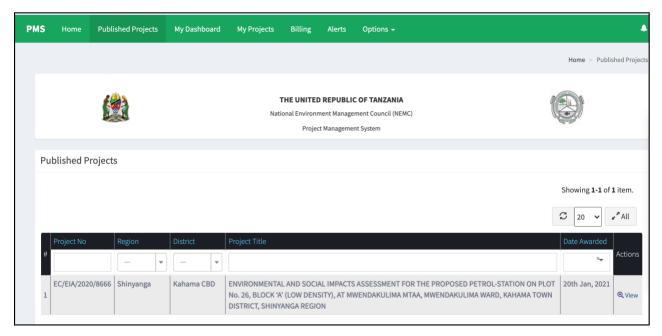


Figure 4.8: Published Projects

This option is for proponents who want to see the certificate projects that have been awarded. To see the project details, click **View** Link. The pop-up form will display with only a portion of the information filled in. Please click to **My Project** under the main menu for further information. There, you will find all of the project's details.

My Personal Dashboard: It offers an overview of the information in *Figure 4.4*. The first item displays the developer's total number of typical projects. The second category includes all linear projects, and the third category includes projects involving communication towers. The total number of PEC received from NEMC is the fourth component. The fifth component is for certifications given to developers after they have made a request.





My Projects: All developer projects (This menu designed for displaying developer projects.)

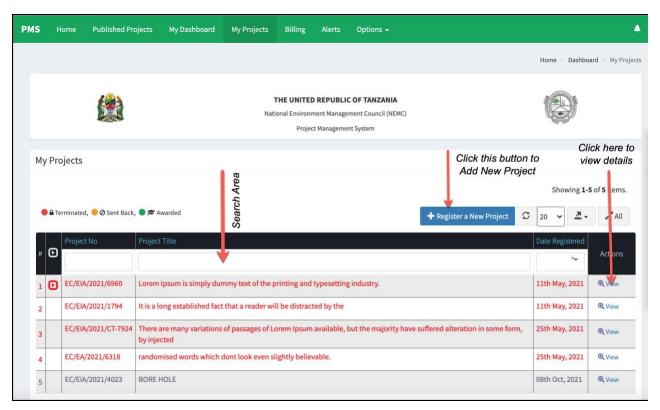


Figure 4.9: My Projects tab screen

The user can view all the information on the main tab by clicking the View button, and can also add new projects by clicking the Register New Project button. The user can view the status of the project, which is summarized in the following table: Table 4.4 Project status summary.

General Project Status	Expert declaration is required
Linear/C.Towers Project	Communication towers project
Current Project Stage	Registration
Project Level	Developer

Table 5: Project status summary





Bills Menu: Specifically for viewing developer invoices and payments made, you can view all invoices and payments for all projects.

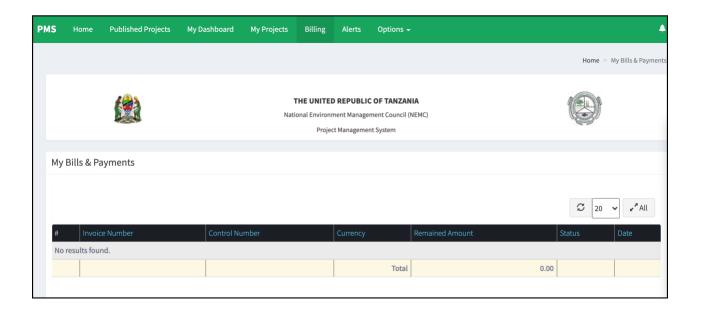


Figure 4.10: Bills and Payment screenshot

Alerts: Designed for showing all Project alerts from NEMC Staff to Developer Also shows corresponding between NEMC and Developer

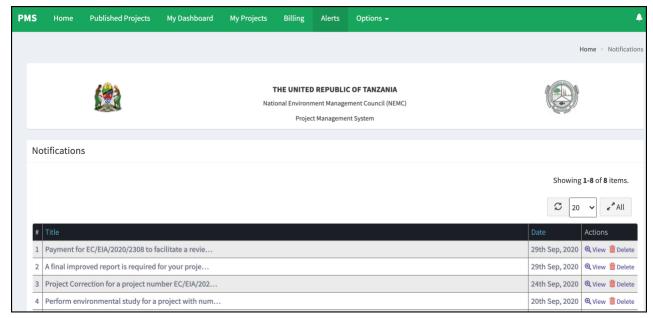


Figure 4.11: Notification Alerts





Options: Designed for editing user profile, changing user password and System logout.

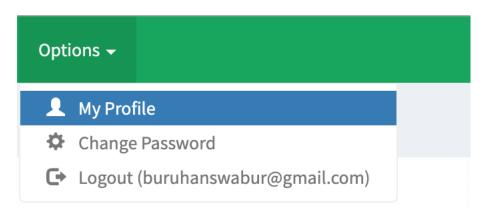


Figure 4.12: Options Menu

4.4.1 Developer Profile

Select My **profile** to view your profile information

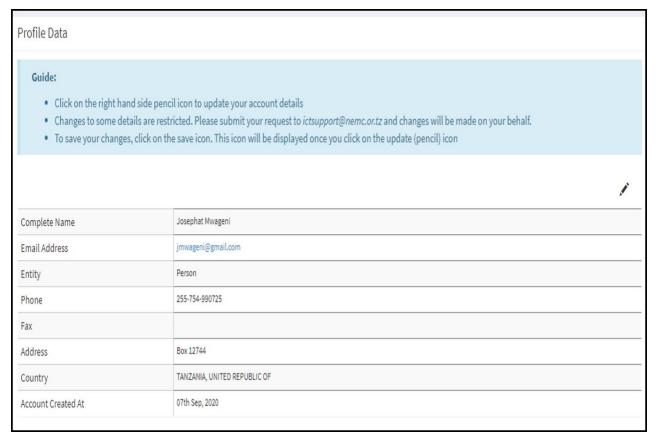


Figure 4.13: Deeloper Profile





The user can edit his profile after successful authentication by using the "**Edit Profile**" function (accessible from the left column menu). The user can make changes to the information fields and then click "**Save**" to save the changes. The system will display an error message to the user if any of the mandatory information is missing.

4.4.2 Change Developer Password

To change the password, first make sure you have the correct previous password, then enter the new password and confirm that it matches the existing password.

Note: letters are case sensitive

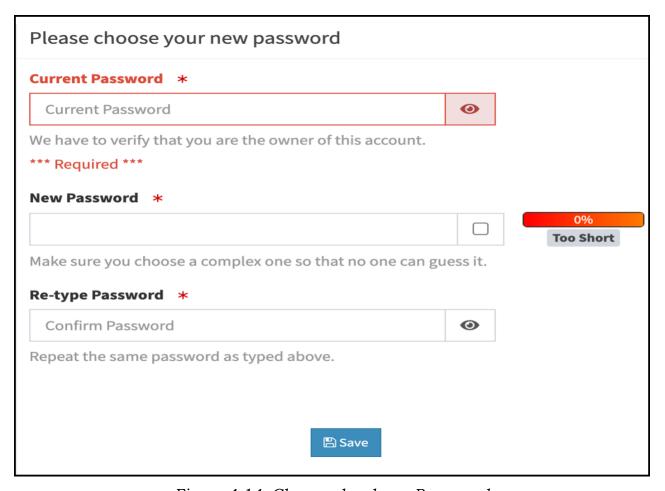


Figure 4.14: Change developer Password





4.4.3 System Log out

Click this Link to Terminate a connection with a PMS system

CHAPTER 5: PROJECT REGISTRATION

5.1 MY PROJECTS (ADD NEW/VIEW)

Select My project tab to add new project or to view existing projects

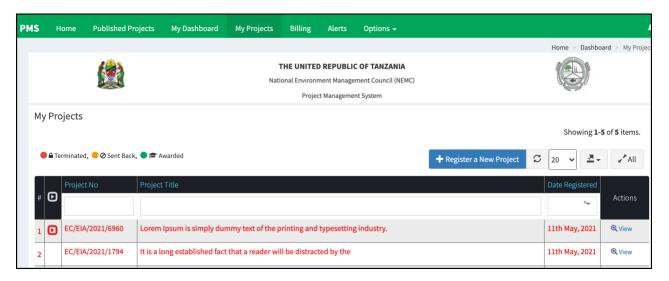


Figure 5.1: My Project Tab Screenshot

To add **a new project**, click Register New Project (Pop up form will appear to allow user to choose the project category then the Project Registration form will appear)

SELECT A PROJECT CATEGORY FROM A PROVIDED LIST BELOW 1. A Normal Project 2. A Linear Project 3. A Communication Tower Project

Figure 5.2: Project Category selection





Fill in all fields and click Save to save the projects (all fields descriptions are provided on the form, and the user must fill out all mandatory fields before saving the projects.)

Note: We have provided all necessary descriptions for each field so that the user understands the meaning and what is required to be filled on the form.

5.1.1 Normal Projects

PART A: PROPOSED UNDERTAKING/DEVELOPMENT

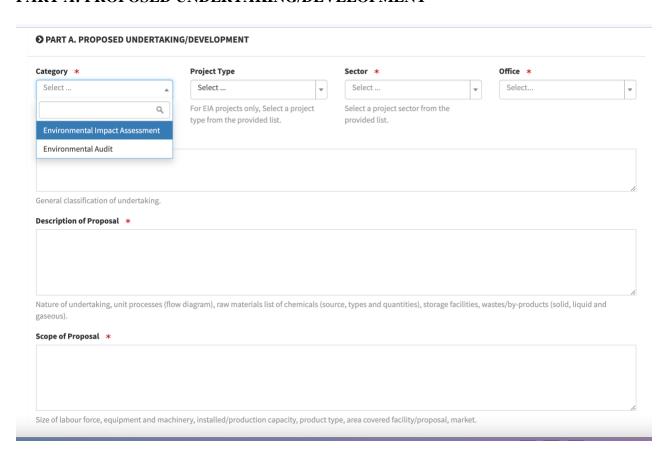


Figure 5.3: Proposed undertaking/Development-Part A form





PART A Field descriptions (Normal Projects)

Category: User have to select either the project is an Environmental Impact Assessment (EIA) or Environmental Audit (EA)

Project Type: Select one of the three items listed on the combo box,

Type A; All mandatory projects

Type B1: Category for borderline projects

Type B2: Category for non-mandatory projects

Project Sector: Select the proper sector which the project belongs to i.e. Energy, Fisheries, Tourism, Health and care facilities, Civil Engineering industries, Water supply, Transport, Electrical etc.

Office: Location of the Project select zone listed on the combo box. For example, if the project is from mwanza then select Lake zone.

If the project is **Linear project**, you will be asked this question **Does the project** involves more than one region? The answer is YES or NO.

Project Title: General/short Description of the project undertaking

Description of Proposal: Nature of undertaking, unit processes (flow diagram), raw materials list of chemicals (source, types and quantities), storage facilities, wastes/by-products (solid, liquid and gaseous).

Scope of Proposal: Size of labour force, equipment and machinery, installed/production capacity, product type, area covered facility/proposal, market.





PART B: PROPOSED/DEVELOPED SITE

		District *		Locality *
Select	v	Select	▼	
Select a project reg	gion from the provided list.	Select a project district fr	rom the provided list.	
1. Open Google No. 2. Once you have 3. Press and hold	r project area GPS coordinates by using your smi Maps on your device and find the location of your p e found the location, make sure you zoom in as fair it the location on the screen and Google Maps will be automatically displayed in the Google Maps sear	roject. In as possible. Irop a pin onto that location.	u should see location details. Your coordinat	tes in Decimal Degree (DD) format will be like -6.776696,39.256048
	X Coordinate in Decima	Degree (DD) Format *	Y Coordinate in Decimal D	Degree (DD) Format *
	Example: -6.776696		Example: 39.256048	
rrent zoning				
tance to nearest r	residential and/or other facilities	*		

Figure 5.4: Proposed Site screenshot

Field Description

Region: Select a project region from the provided list. For Linear project multi region selection is allowed. Arusha, Iringa, Dar es salaam, Mbeya, Njombe, Mtwara, Mwanza, Tanga, Kigoma, Morogoro, Geita etc.

District: Select a project district from the provided list, filtered respect to the region's selections.

Locality: Ward/Street

X Coordinate in Decimal Degree (DD) Format (Example: -6.776696)

Y Coordinate in Decimal Degree (DD) Format (Example: 39.256048)





Guide: How to get your project area GPS coordinates by using your smartphone

- 1. Open Google Maps on your device and find the location of your project.
- 2. Once you have found the location, make sure you zoom in as far in as possible.
- 3. Press and hold the location on the screen and Google Maps will drop a pin onto that location.
- 4. Coordinates be automatically displayed in the Google Maps search box. Also once you tap a location pin you should see location details. Your coordinates in Decimal Degree (DD) format will be like 6.776696,39.256048

Current zoning: is the way the governments control the physical development of land and the kinds of uses to which each individual property may be put.

Distance to nearest residential and/or other facilities: the **extent or amount** of space between two things, points, lines, etc. the state or fact of being apart in space, as of one thing from another; remoteness. a linear extent of space

Adjacent land uses (existing & proposed): means the ecosystem function adjacent to an area of significant disturbance, or where there is no ecosystem function, the use of the land.

Site Description: Give information about the site where Project is built or to be built.





PART C: INFRASTRUCTURE AND UTILITIES

Water *	Powe	r *		Road *	
Water (source, quantity).	Powe	r (type, source & quantity).	li.		
Structure *		Land Rec	quired [SQM]		
Structures (buildings and other facilities).					.,
Other Major Utilities *					

Figure 5.5: Infrastructure and utilities form

PART C Field Description:

Water: Water (source, quantity).

Power: Power (type, source of power & quantity).

Road: a long, hard surface built for vehicles to travel along the proposed project

Structure: Structures (buildings and other facilities).

Land Required [SQM]: Total area required in per square meters

Other Major Utilities: Mention other major utilities (e.g. sewerage, etc).





PART D. ENVIRONMENTAL IMPACTS AND OTHER ENVIRONMENTAL ISSUES

vironmental Impacts *		
scribe here environmental impacts.		
her Environmental Issues *		
scribe here other environmenal issues.		

Figure 5.6: Part D-Environmental Impacts screenshot

PART D Field Description

Environmental Impacts: refers to the direct effect of socio-economic activities and natural events on the components of the environment.

Other Environmental Issues: Describe other environmental issues that affects community health, pollution noises etc.

PART E. DECLARATION

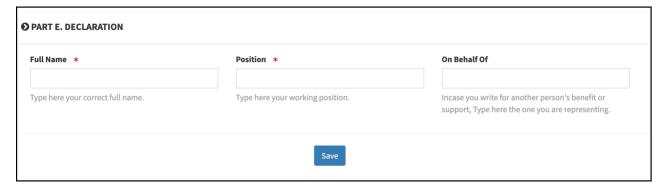


Figure 5.7: Form Part E Declaration Screenshot





PART E Field Description

Full Name: Type here your full name including your first name, middle name, and family name

Position: Type here your job position that includes specific duties and responsibilities that help the company reach its goals

On Behalf Of: In case you write for another person's benefit or support, Type here the one you are representing.

5.1.2 Linear Project

PART A: PROPOSED UNDERTAKING/DEVELOPMENT

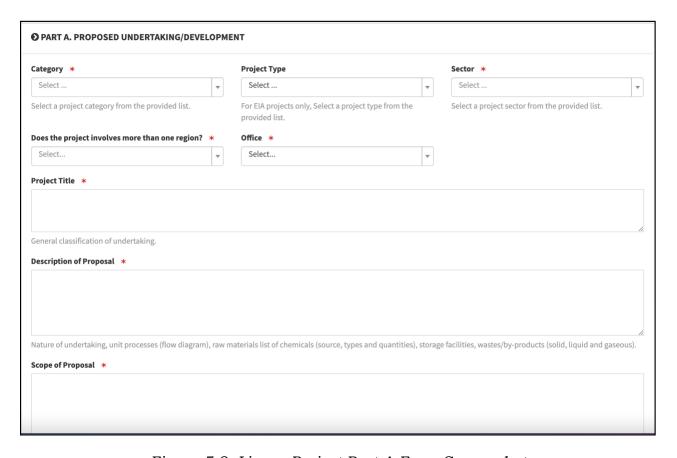


Figure 5.8: Linear Project Part A Form Screenshot





PART A Field descriptions (Linear Projects)

Category: User have to select either the project is an Environmental Impact Assessment (EIA) or Environmental Audit (EA)

Project Type: Select one of the three items listed on the combo box,

Type A; All mandatory projects

Type B1: Category for borderline projects

Type B2: Category for non-mandatory projects

Project Sector: Select the proper sector which the project belongs to i.e. Energy, Fisheries, Tourism, Health and care facilities, Civil Engineering industries, Water supply, Transport, Electrical etc.

Office: Location of the Project select zone listed on the combo box. For example, if the project is from mwanza then select Lake zone.

If the project is **Linear project**, you will be asked this question **Does the project** involves more than one region? The answer is YES or NO.

Project Title: General/short Description of the project undertaking

Description of Proposal: Nature of undertaking, unit processes (flow diagram), raw materials list of chemicals (source, types and quantities), storage facilities, wastes/by-products (solid, liquid and gaseous).

Scope of Proposal: Size of labour force, equipment and machinery, installed/production capacity, product type, area covered facility/proposal, market.

PART B: PROPOSED/DEVELOPED SITE - LINEAR PROJECT







Figure 5.9: Proposed site Linear Project - Part B form

PART B Field Description

Region: Select a project region from the provided list. For Linear project multi region selection is allowed.

District: Select a project district from the provided list, filtered respect to the region's selections.

Width of the project reserve: Road reserve for road construction projects

Sites Description: Give information about the site where Project is built or to be built.

PART D&E: Similar to Normal and Communication tower projects.





5.1.3 Communication Tower Projects

PART A: PROPOSED UNDERTAKING/DEVELOPMENT

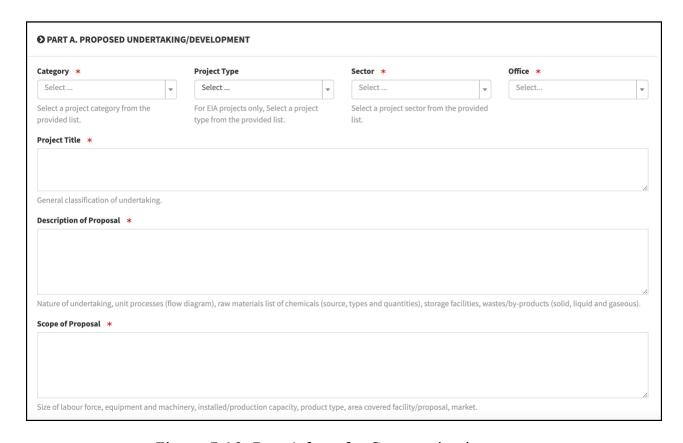


Figure 5.10: Part A form for Communication tower

Fields description is similar to Normal Projects (*Please refer PART A: Proposed undertaking/development*)

PART B: PROPOSED/DEVELOPED SITE - COMMUNICATION TOWER PROJECT



Figure 5.11: Part B form for communication tower Projects





PART B Field Description

Region: Select a project region from the provided list. For Linear project multi region selection is allowed.

District: Select a project district from the provided list, filtered respect to the region's selections.

PART C & D is Similar to Normal projects PART D & E

5.1.4 Registration Of Communication Towers in Cluster

Go to **My Projects** click **View** Link, you will see the projects details under Main tab scroll down to the end of the project details under this tittle **REGISTERED TOWERS IN THE CLUSTER** use the **Add a Cluster** button to register a **new** cluster.

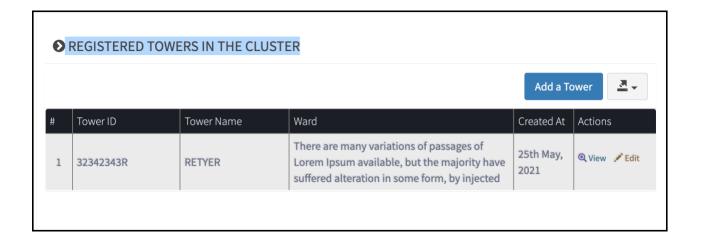


Figure 5.12: Communication tower cluster Screenshot

Click the **Add a Tower** button, the pop-up form will appear fill all fields and click save button. See the cluster registration form *figure 5.1.4.1*. Developer/user can **edit or view** the registered communication tower.

Cluster Registration form:





TOWER REGISTRATION FORM	×
Tower ID *	
Type here a tower identification.	
Tower Name *	
Type here a tower name.	
X Coordinate in Decimal Degree (DD) Format *	
Example: -6.776696 Y Coordinate in Decimal Degree (DD) Format *	
Example: 39.256048	
Distance to nearest residential and/or other facilities *	
Adjacent land uses (existing & proposed) *	11
	11

Figure 5.13: Cluster Registration form

Scroll down until you see the Save button. Click the Save button to save/update the communication tower details.





5.2 PROJECT SUBMISSION

Fill the form according to the fields descriptions above and then **click Save** all Mandatory fields must be filled in order to save the details. (**Save** button is located at the end of the Declaration form see below figure 4.5)

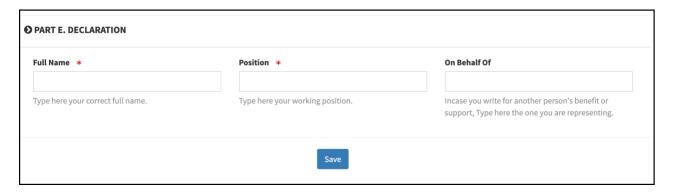


Figure .4.5 Saving Project Details

Form Submission: Before submitting the form developer have to:

- 1. Select the **Expert** after selection Expert receives an email notification
- 2. Upload the necessary documents
- **3.** Generate control number in order to pay registration fee
- **4.** Print fee note in order to pay registration fee
- **5.** Using control number pay the fee through MPESA, TIGO Pesa or through bank.
- **6.** Now you can submit the application form





5.3 EXPERT SELECTION

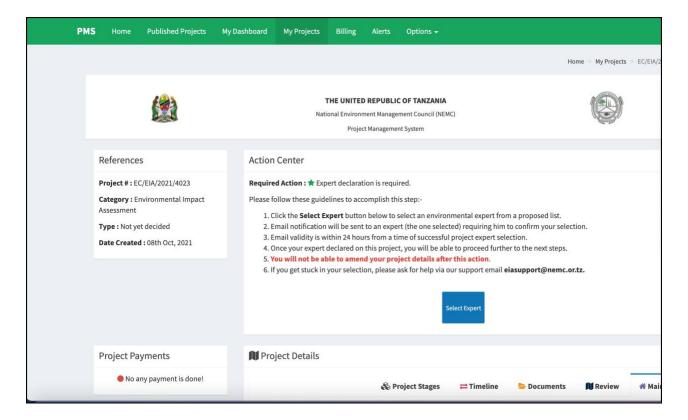


Figure 5.3 Expert Selection

To select the Expert, click **Expert button** then the pop-up form will appear (Confirmation Message asking do you really want to select an environmental expert on this project?) see the message below



If the answer is Ok then the form below will appear to allow you to select among the active expert.

Expert Selection Form:





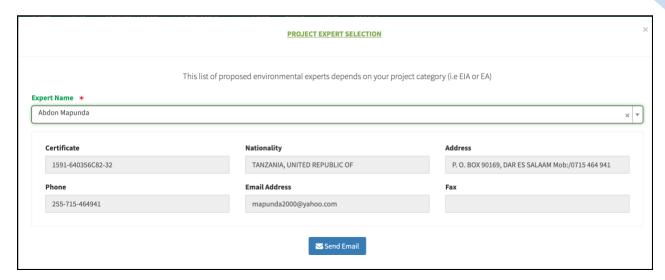


Figure 5.14: Expert Selection Screen

Click **send email** button to send an email to expert selected make sure expert have a valid email address.

Confirmation message



Figure 5.15: Confirmation msg Email sent to Expert

The message above will appear if an email has been sent successfully.

An Expert will get an email like this see the below *figure 5.2.3* which requires him/her to click the link send to him in order to declare





Email send to expert.

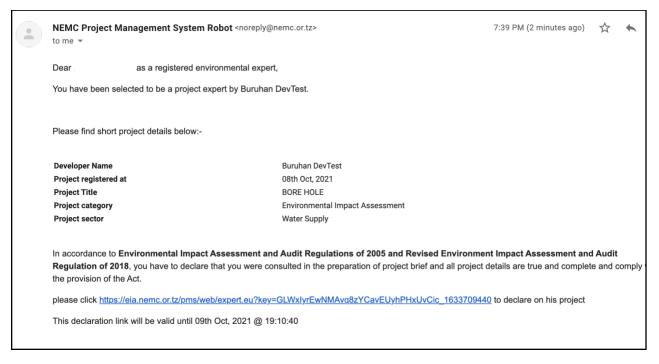


Figure 5.16: An Email send to Expert Screenshot

After you click the link on your email expect to see the screen shoot below

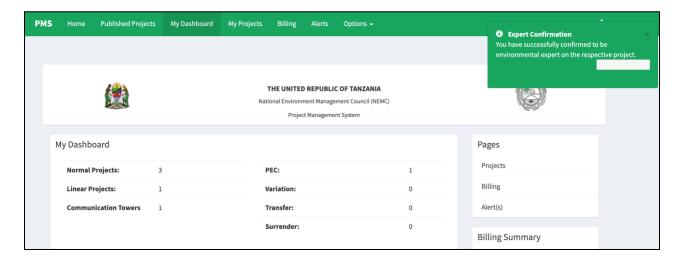


Figure 5.17: successfully an expert is selected





5.4 DOCUMENT UPLOADING

After selection of expert then upload the mandatory document see figure 5.4.1

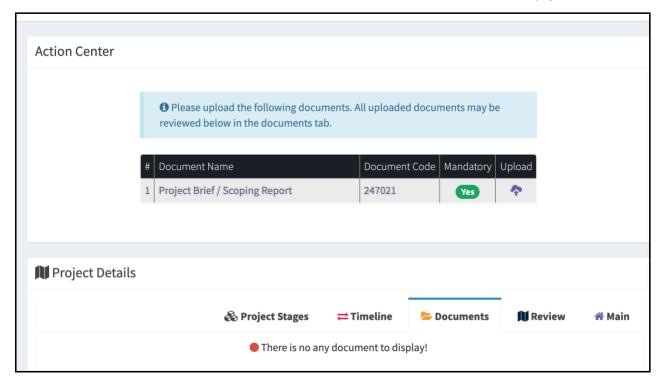


Figure 5.18: Document uploading Screen

To upload a document, click the Cloud button under the Upload column. A popup form will appear where you can upload the required documents. Make sure to upload all mandatory documents to proceed to the next step.

5.5 INVESTMENT COSTS

Project investment costs are the development and implementation costs required to make a project fully functional. Project investment costs include:

- All purchases
- Lease or finance costs
- Hardware, software, networking, and telecommunications equipment, construction costs etc.
- Installation, training, personal and purchased services
- Internal agency resources
- All applicable taxes





Investment costs do not include ongoing costs for operation and maintenance. At this stage, the developer/promoter must specify the investment cost. Click on the Investment Cost button to enter the *investment cost* see *figure 5.5.1*



Figure 5.19: Investment cost Screenshot

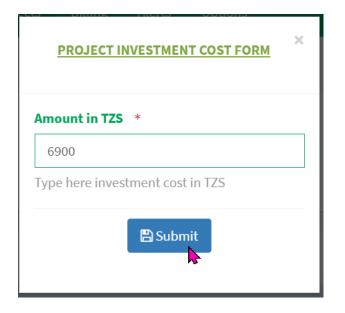


Figure 5.20: Submit Inves

The project capital cost form is used to estimate the capital cost of the project. The developer must enter the investment Tanzania cost in shillings. Then the investment cost can be reviewed by all participants and a project officer will make the configuration to determine the Amount to be paid to facilitate the project review process.





CHAPTER 6: FEES PAYMENT

6.1 Generate Control Number

Generate the control number in order to pay the required fees, Registration Fee and application fee Click **Get Control Number** the generated number will appear on the gray rectangle then you can use the control number generated to pay the fees through Bank, Tigo Pesa, Mpesa, Halotel Money, Airtel Money etc.

Payment system

The proponent pays directly to NEMC a fee of Tsh 50,000 for EIA application and Submission of Project brief/Scoping report a fee of 150,000. These fees are not linked to the environmental permit and is only for EIA administration. The proponents are **obliged to contact NEMC to receive latest information** about the required fees. Fees are also required to access Council records of decision, EIS documents and to register EIA practitioners.

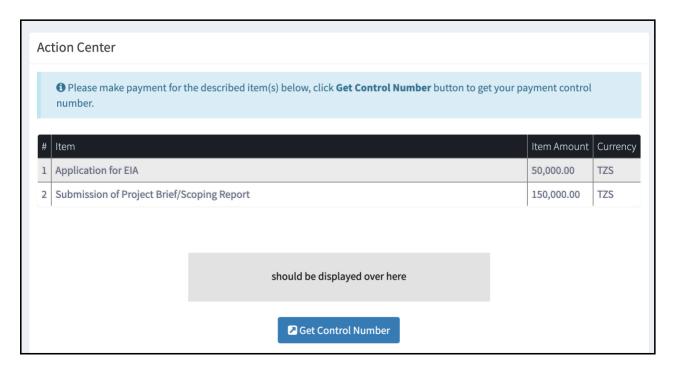


Figure 6.1: Control Number Generation Screenshot





You can also pay through M-Pesa, Tigo Pesa and Airtel by following the following steps:

M-Pesa: Follow these steps to pay

- 1. Dial *150*00#
- 2. Select 4 "Pay Bill"
- 3. Select 4 "Enter Business Number"
- 4. Enter 001001
- 5. Enter Reference Number "Enter Control Number Here"
- 6. Enter amount "Enter the amount you want to pay"
- 7. Enter Password "Enter your account Password"
- 8. Enter 1 "To agree"

Tigo Pesa: Follow steps to pay

- 1. Dial *150*01#
- 2. Select 4 "Pay Bill"
- 3. Select 3 "Enter Business Number"
- 4. Enter 001001
- 5. Enter Reference Number "Enter Control Number"
- 6. Enter amount "Enter amount you want to pay"
- 7. Enter Password "Enter your account Password"

Airtel Money: Follow steps to pay

- 1. Dial *150*60#
- 2. Select 5 "Make Payments"
- 3. Select 3 "Enter Business Number"
- 4. Enter 001001
- 5. Enter Reference Number "Enter Control Number"
- 6. Enter amount "Enter amount you want to pay"
- 7. Enter Password "Enter your account Password"





6.2 Print Fee Note/Invoice

To pay fees through **Bank**, Developer must have the **Fee Note/Invoice** so that he/she can pay the fees through banks. The details of Fee Note contain Invoice number, Payee Name, Amount to Pay and Control Number.

NOTE: If the payment is successfully then the user is allowed now to submit the Project.

6.3 Billing tab under main menu.

Billing is defined as the step-by-step process of requesting payment from customers by issuing invoices/Fee Note. An invoice is the commercial document businesses use to request payment. An act or instance of preparing or sending out a bill or **invoice**. the total amount of the cost of services billed to a customer, usually covering services rendered within a specified period of time. So the below table "Billing Particulars shows the invoices settled and not paid.

NEMC may send you an invoice for services performed but upon receipt you see it as a **bill.** Using the word invoice can imply that payment terms, such as NET-30 days, have been established — whereas a bill is a **simple statement of what is due now.**

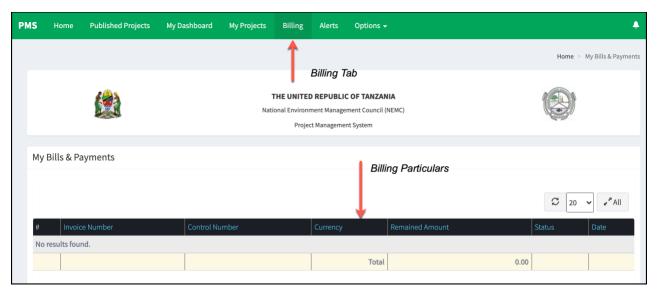


Figure 6.2: Billing Details Screenshot





CHAPTER 7: PROJECT STAGES

7.1 Activities within a Project

The term project stages refer to a collection of activities within a project, each project stage is goal-oriented and ends at a milestone. Reaching these milestones means the project progresses and each stage can be divided into sub-stage. The main project stages are: - registration, screening, scoping, EIA report writing, review, Certificate Issuing and monitoring.

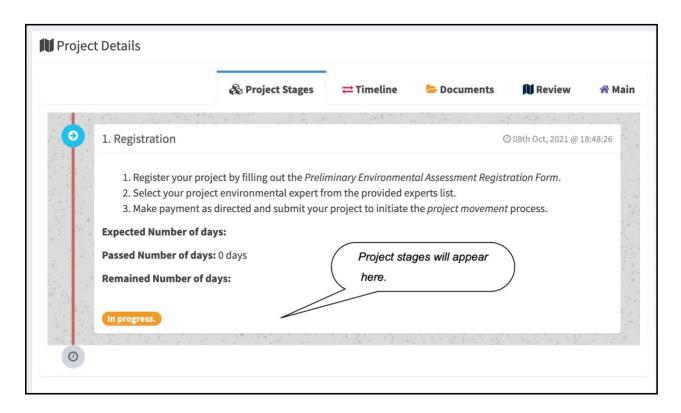


Figure 7.1: Project Stages Screenshot

a. Registration:

Project registration is done through a submission of a project brief to NEMC in a prescribed form. The contents include: Name of the proponent; proposed project; proposed site; required infrastructure and utilities; environmental impacts and other environmental issues that NEMC may request, register your project by filling out the Preliminary Environmental Assessment Registration Form, then Select your project environmental expert from the provided experts list, lastly Make





payment as directed and submit your project to initiate the *project movement* process. Through our **online system**.

Scope of application

All development projects likely to have significant environmental impacts. These projects are listed under the first schedule of the EIA regulation 2005 and include public and/ or private, national and/ or foreign. In summary they include projects in:

i) Agriculture; ii) Livestock and range management; iii) Forestry activities; iv) Fisheries activities; v) Tourism and recreational development; vi) The energy industry; vii) The petroleum industry; viii) Food and beverage industries; ix) The textile industry; x) Building and civil engineering industries; xi) Chemical industries.

b. Screening Process:

Screening is a legal requirement and is conducted by NEMC. Projects of national interest or those of potential high risk are screened by NEMC. More localised projects are screened by the local authority of the area where it is located under supervision of NEMC. Upon receipt of the project brief from the proponent, NEMC distributes it to relevant stakeholders (Ministries, local government and/ or regional secretariat and public institution). A period of 21 days is given for comments. NEMC then screens the project brief based on the comments and the screening criteria given under the second schedule of the EIA regulation 2005. NEMC can require a preliminary assessment when more information is needed for the screening decision. Following the screening process, a screening report is presented to the proponent. The decision (whether or not an EIA is required or if more information is required to make the screening decision) is then communicated to the proponent, in writing, 45 days after the initial application.





c. Scoping Process:

Scoping is a mandatory requirement, where EIA is required after screening, the proponent or consultants hired by the proponent are required to prepare a scoping report on the results of the scoping process. Thereafter, the proponent or the consultant has to develop the Terms of Reference (ToR). Accompanied by the scoping report, the ToR are then submitted to NEMC for approval. If found necessary, a site visit is made as part of the review of the ToR. Finally, the outcome of the review is communicated to the proponent. The submission is done by attaching the Scoping the report.

Contents of the scoping document include:

- a) Method of scoping;
- b) Identification of issues and problems;
- c) Synthesis of results of the scoping exercise including details of potential impacts;
- d) Stakeholders and how they were involved in the scoping exercise;
- e) Spatial, temporal and institutional boundaries of the project;
- f) Alternatives and;
- g) Terms of reference

d. Assessment Process:

Assessment begins after the approval of the ToR. The proponent is required to: identify, predict and evaluate significant impacts; ensure that the concerns and views from stakeholders are fully taken into account during assessment of impacts and; assess all alternatives and their impacts recommending the appropriate options. The proponent then identifies impact mitigation and enhancement measures and prepares an Environmental Impact Statement. Before submitting it to NEMC, the proponent shall also consult the relevant authorities on it.

According to the EIA guidelines and procedure, the methods of assessment is depended on the particular case. There is however a general requirement to determine the baseline study in which case consideration should be given to the existing social, economic, physical, ecological, socio-cultural and institutional





environment within the project boundary area. It is stated under the 4th schedule of the EIA regulations, 2005 that the consultant should ensure adequate stakeholder participation.

Contents of the EIA report

- a) Executive summary; (inclusive record of stakeholders consulted)
- b) Project background and description;
- c) Policy, administrative and legal framework;
- d) Baseline or existing conditions
- e) Assessment of impacts and identification of alternatives;
- f) Impacts management or environmental mitigation, measures;
- g) Environmental and social management plan;
- h) Environmental and social monitoring plan;
- i) Resource evaluation or cost benefit analysis;
- j) Knowledge gaps;
- k) Report preparers
- 1) Reference

e. Review Process:

NEMC is required to circulate the EIS in order to receive written comments from various institutions and government stakeholders and make it available to the public. Moreover, NEMC may conduct site visits as part of the review process and hold open public hearings. Where necessary, the EIA regulation provides for information to be put on the internet.

The NEMC has developed a formal system for reviewing EIA reports. As part of the process, the reviewer considers whether certain specified aspects have been adequately addressed or satisfied in the report, and then gives a score for each of the main topics covered. The overall score of the report is the average of the scores given to each of those topics.

f. Decision making





Approval of EIA report is necessary to obtain an EIA Certificate. NEMC prepares terms and conditions for issuance of the EIA Certificate and recommends to the Minister responsible for Environment in the Vice President's office. The Minister in turn approves the projects by signing the EIA Certificates, as stipulate in EMA 2004 section 92 (1).

For activities listed in the First Schedule of the EIA and Audit Regulations (2005), the licensing authority (line ministry) does not issue the required license for proceeding with the project, unless an EIA Certificate has been received.

Decision justification

The minister is required to communicate decisions and the reasons thereof to the proponent in writing with reference to the EIA. The EIA regulations require that the decisions by the minister be made public. A copy of the decision document is supposed to be availed for inspection by the general public at NEMC offices.

g. Follow-up

Compliance monitoring

The EIA and audit regulations require monitoring to check compliance with EIA approval conditions through NEMC on the one hand and through the proponent on the other hand. NEMC, in consultation with respective line ministries, may undertake inspections for impact and compliance monitoring. NEMC is also responsible for carrying out environmental audits. Such audits must be done for all activities which are subjected to EIA. The audit reports must be reviewed by the cross-sectoral Technical Advisory Committee.

The proponent submits an EMP as part of the EIA report. Additionally, the EIA and audit regulations of 2005 require self-auditing by the proponent, who has to submit annual environmental audit reports. An elaborate mechanism for auditing by the proponent is described in Part X of the EIA regulation, 2005.

7.2 Project Timeline





A project timeline is a canvas of **project deliverables**. It provides a simple, but comprehensive visual overview of a project from start to finish. A detailed timeline paints a roadmap for your project with milestones, tasks, dependencies, and delivery dates.

A timeline is a **chronological list of events** that have happened or are about to happen. Project timelines are the same, they tell you what tasks you need to complete and how much time you have to complete them.

Figure 7.2.1 shows the timeline records list of events performed by different user for selected projects.

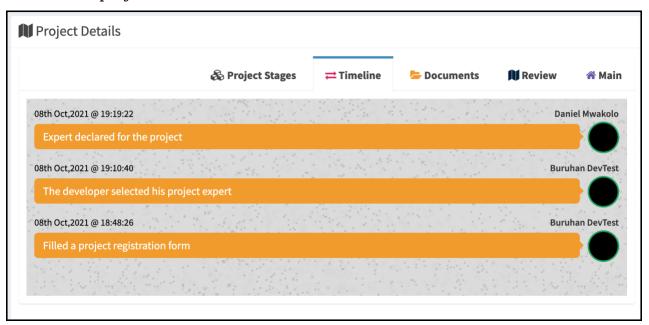


Figure 7.2: Project timeline screenshot

Note: Timelines are essential to any project. They are not only helpful in organizing the work that needs to be done, but it holds everyone accountable for completing the work. Timelines **provide a simple visual overview of a project from start to finish** and lead to increased work efficiency among teams.

How a project timeline created

a. Step 1: Understand the scope of your project. - System Settings





- b. Step 2: Split the project into milestones. System Settings
- c. Step 3: Estimate the time of each task. System Settings
- d. Step 4: Assign tasks to your team. DESIA
- e. Step 5: The PMS system will handle your project timeline.
- f. Step 6: Save each task on your timeline (Automatically done by PMS System).

7.3 Project Details

Project descriptions provide the applicant with the following details: the problem the project will address, a set of goals for the project, the overall objectives for the project, and a project plan that describes the activities that members will undertake. The project description also includes the location of the project, the duration of the project, and any benefits you will receive while participating in the project.

Where can I find project Details?

Project details can be found by clicking the View Project button under the Action column. Click view the form Figure 7.3.1 appears under the Main tab.





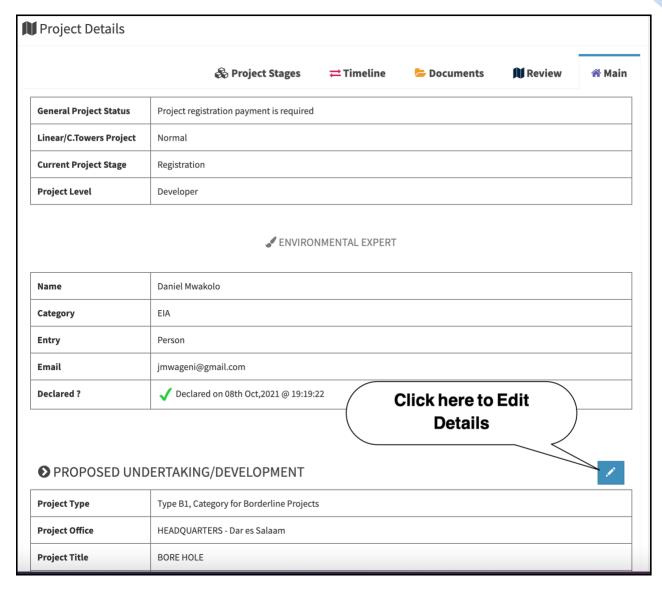


Figure 7.3: Project details Screenshot







Figure 7.4: Part of Project details screenshot

To edit the details of the section, click the Edit button with the red arrow at the top. The following pop-up form will appear to allow the user to edit the details.

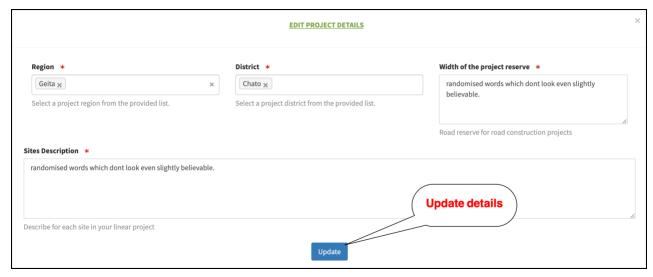


Figure 7.5: Project Details Edit Form Screenshot

Click **update** to save details.





CHAPTER 8: ALERTS

1.1 Alerts

The definition of alert is a message sent to the developer about project activity or a request from NEMC about a particular project.

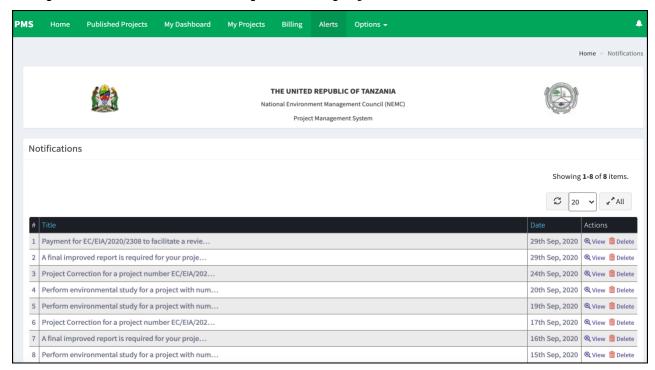


Figure 8.1: List of Alerts/Notification Screenshot

Click button to view notification details and Delete button to delete notification.



Figure 8.2: Notification Details Screenshot

