**Pool Cost Generation System**

**GRIDCO LTD**

**Requirements**

**Brief:**

To generate a pool cost of power traded by GRIDCO for a month. Various users from GRIDCO shall enter the power traded (Purchased/Sold) to various entities. The entities shall be classified broadly and sector wise. A particular user shall be handling a category of entities as per the classification.

**Access Mechanism:**

The application shall be available in intranet (OGS-WAN Network). The access to the application shall be authorised through webmail IDs. Webmail IDs of GRIDCO, OPTCL and SLDC domains shall be accepted.

**Note:** The application will not store, access or view the webmail password of the user in any means. The authentication shall be carried out at the LDAP Server for above email domains through access tokens.

**User Base:**

There will be three types of users for the application.

1. User Type: Administrator (“A”)
   1. Shall be able to manage the contributors.
   2. Shall be able to manage the Entity and their classification.
   3. Shall be able to assign entities to contributors for entry of data.
   4. Shall be able to notify the contributors about data entry.
2. User Type: Contributor (“C”)
   1. Shall be able to entry the pool cost data each month for entity assigned with.
   2. Shall be able to modify entered data if required.
3. User Type: Guest (“G”)
   1. Shall be able to view the dashboard.
   2. Shall be able to view the reports.

**Note:** Functions of user types is inherited in the order G -> B -> A

**Admin Functions:**

The admin shall be responsible for carrying out the following operations in the system

* Create user
* Activate/deactivate user.
* Crete power source/consumer
* Activate of deactivate power source/consumer
* Assign source to users
* Remove active assignments.
* Track progress of data entry by each user
* Super privilege to override all entries
* Can edit any entry
* Alert users and their supervisors about timelines
* Define deadlines