

Requirement Analysis - Real World Project

20.04.2019

Analysis for Hydro project

Group No: 1

- How many document types do you have?
 - 5 types
 - **MRN - Material Requisition Note**
 - **SRN - Store Requisition Note**
 - **PO - Purchase Order**
 - **GRN - Goods Received Note**
 - **GIN - Goods Issue Note**
- How many documents will transfer of drafted per day?
 - Not specified at the moment
- Is there any particular document type that will be used frequently?
 - Not specified at the moment
- Are there any standard documentation templates that you use?
 - Yes

GIN

HYDRO LIMITED Kampala, Uganda. GIN No: _____					
Site Location: _____			Issued Date: _____		
MRN No.	Item Description	Unit	Issued Qty	Remarks	
Issued by:- Name: _____ Signature: _____		Signature: _____		Received by:- Name: _____ Signature: _____	

GRN

HYDRO LIMITED Kampala, Uganda. MRN No: _____ PO No: _____					
Supplier: _____		Date: _____			
Item No.	Item	Ordered Qty	Delivered Qty	Price (UGX)	Comments
Acknowledged by:- Name: _____ Signature: _____		Signature: _____			

* Must highlight price change of major materials, cement, sand, aggregate, fuel (diesel, petrol), steel (reinforcement), steel universal sections, plywood and admixtures

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MRN

HYDRO LIMITED				
Kampala, Uganda. MRN No: _____				
Site Location: _____		Request Date: _____		
Item No.	Item Name	Unit	Qty	Remarks
Requested by:- Name: _ Signature: Approved by:- Name: _ Signature: _____				

Dashboard :

*No. of pending MRNs must be indicated in the dash board

SRN

HYDRO LIMITED			
Kampala, Uganda.			
SRN No: _____			
MRN No.	Item Description	Unit	Order Qty
Requested by:- Name: _ Signature: Approved by:- Name: _ Signature: _____			

Dashboard :

*Must indicate the balance of requested items in the main stock before creating the SRN.

*Must indicate estimated quantity for the required site location.

*Must indicate total estimated quantity for the project.

*Must indicate the No. of pending SRNs.

- What kind of solution do you prefer? (web based or PC Application)
 - Web based solution is required as this takes place on multinational regions
- If it a desktop based application what kinds of platforms need to support?
 - Web based
- How many users do you have?
 - There are no estimated user count for certain as this is a multinational company, the system will act as a single one so the user count is not yet been taken to account

- What are the authority levels?
 - Following are the types of user levels
 - Forman
 - Site Engineer
 - Store Keeper
 - Procurement Officer
 - Project Manager
 - CEO
- What kind of privileges does each level will have?
 - The following formats and authorization levels shall be employed,
 - **MRN (Material Requisition Note)** – The Foreman or Site Engineer at the specific sites shall issue these notes when materials are required for the construction process. MRN shall be approved by the Site Engineer (SE).
 - **SRN (Store Requisition Note)** – If the requested items are not available in the store, SRN shall be issued by the store keeper. One or more approved MRNs can be combined to a single SRN which should be approved by the Project Manager/CEO/Site Engineers.
 - **PO (Purchase Order)** – PO shall be issued per supplier by the Procurement Officer. This should be approved by Project Manager/CEO/Site Engineers.
 - **GRN (Goods Received Note)** – This is prepared by the store keeper when goods are received from the supplier based on the PO issued. Stock inventories (BOQ) shall be updated accordingly.

- **GIN (Goods Issue Note)** – This is prepared by the store keeper based on the MRNs received from each site. This issued process should update the stock inventory accordingly. Two hardcopies with receiving signatures shall be remained with the store keeper and site engineers. The BOQs must be tracked and updated with the issuing of GINs.

- What will be the timeline for the project?
 - 4 months
- How many regions do you operate?
 - 2 (Sri Lanka, Uganda)
- How many languages need to be supported?
 - One language - English
- Will your requirements be eventually widen to a mobile platform as well ?
 - Not at the moment
- What kind of reports need to be generated ?
 - Stock Report
 - Material Requisition Report (issued and pending MRNs)
 - Store Requisition Report (issued and pending SRNs)
 - Purchase Order Report (issued and pending POs)
 - Goods Received Report
 - Goods Issue Report
 - Actual vs Estimated Cost Report (Cost variation)
 - Report on project progress according to the material usage
- What will be the report frequency ?
 - Monthly basis and on user demand

Observations

- Observe how close the users familiar with a computerized system ?

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Research

- Study current document templates
- Sample gathering of documents