



Project Title: Automating Accounts Payable Processes for Royal Gas Using Oracle ERP







Oracle ERP system digital accounting

NXT37_ONL2_ERP4_S1





Inventory setup



Closing period & ending report

Defining suppliers

Making & paying invoice

Payables setup

Withholding tax setup

Payment setup



Bank setup



1- Inventory Setup

Before setting up the Payables module, it's essential to have at least one Inventory setup completed. This step ensures the Payables module can function correctly and be linked with other modules in the system



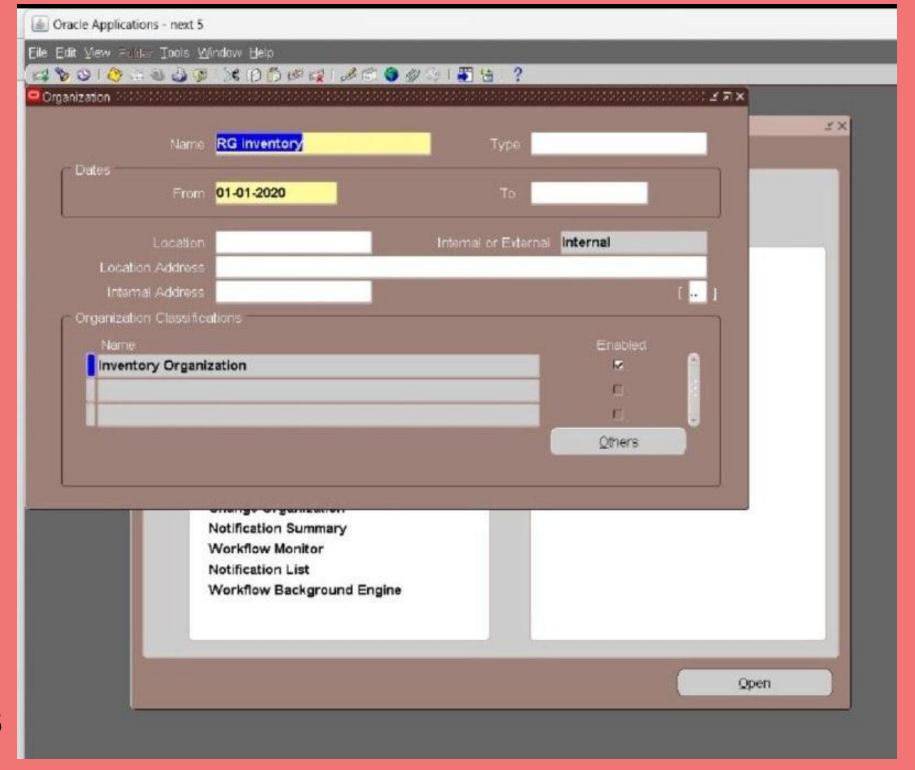
In this stage, we created an Inventory Organization, which includes:

The name of the organization

The creation date

Its active status

This organization will be linked to our payables transactions and item management processes later on





Accounting Information

After creating the Inventory Organization, the next step is to link it with the financial and legal structure of the business.

This includes:

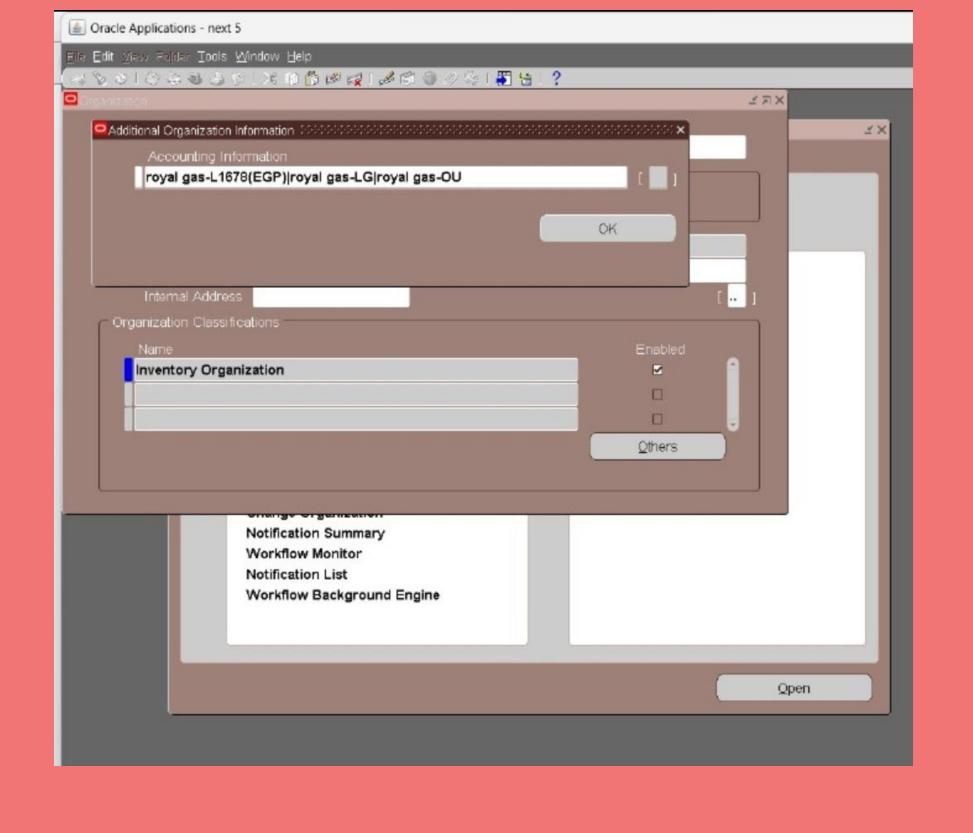
Ledger: Royal Gas L

Legal Entity: Royal Gas LG

Operating Unit: Royal Gas OU

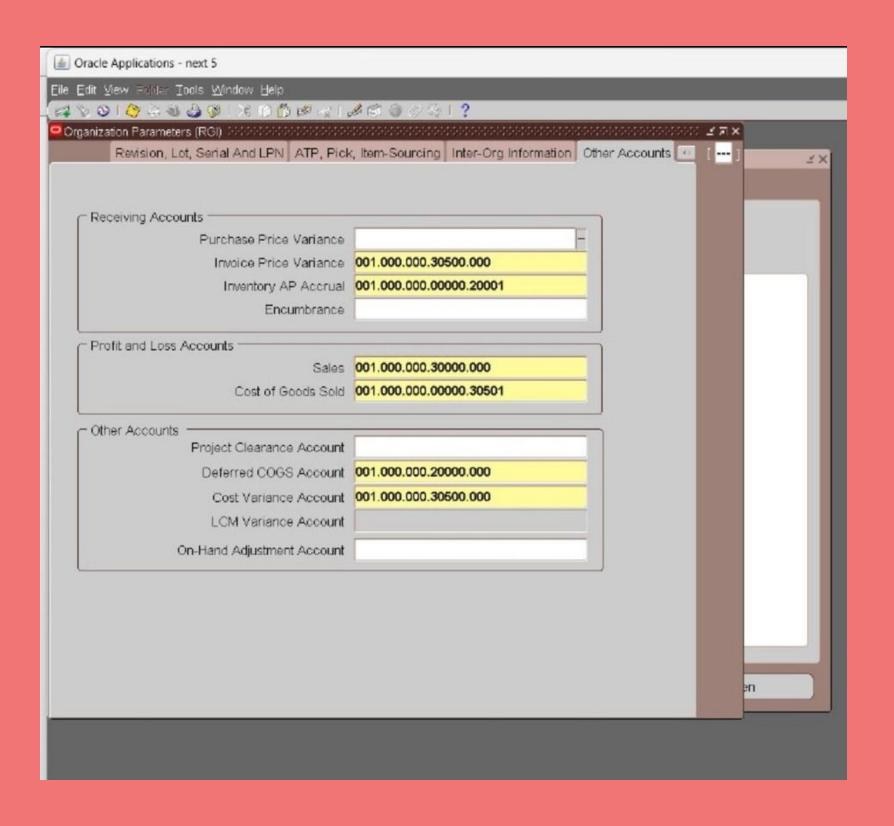
These connections are crucial to ensure proper data flow and integration between the Inventory and Payables modules

The screenshot below shows the successful linkage of our Inventory Organization with the above entities





Inventory information - key financial setting



In this step, we defined the key financial and costrelated settings for our Inventory Organization. These configurations ensure accurate accounting during inventory and payables transactions.

Key Account Settings:

Invoice Price Variance: We assigned the

Purchase Expense Account code

Inventory AP Accrual: We assigned the AP

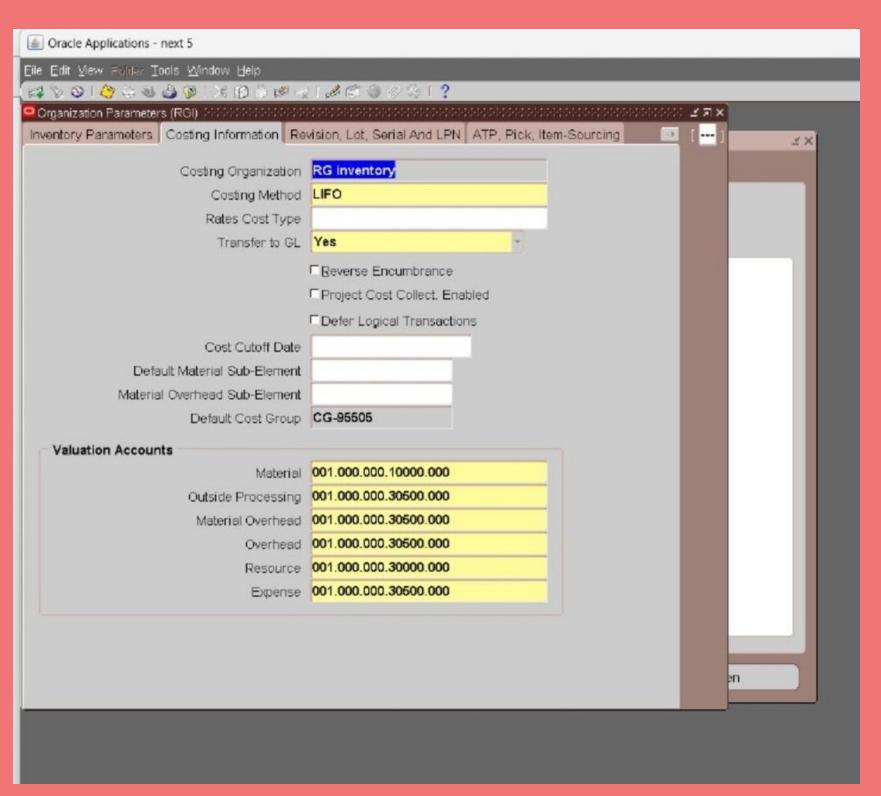
Accrual Account code.

Sales: Linked to the Sales Revenue account-

COGS: Linked to the Expense Account for cost of

goods sold.





Costing Method:

We selected LIFO (Last In, First Out) as the costing method.

Additional Accounts Configured:

Material Account - Outside Processing Account

Material Overhead Account - Overhead Account

Resource Account - Expense Account

These accounts play a critical role in tracking inventory movement, processing transactions, and generating accurate financial reports.



2- defining suppliers

To define suppliers that the organization deals with for purchasing goods or services and enable invoice and payment processing through Oracle Payables



1. Created Supplier Records (Added three suppliers)

Supplier A Westinghouse

Supplier B BEBA

Supplier C Galasseco



2. Entered Supplier Information

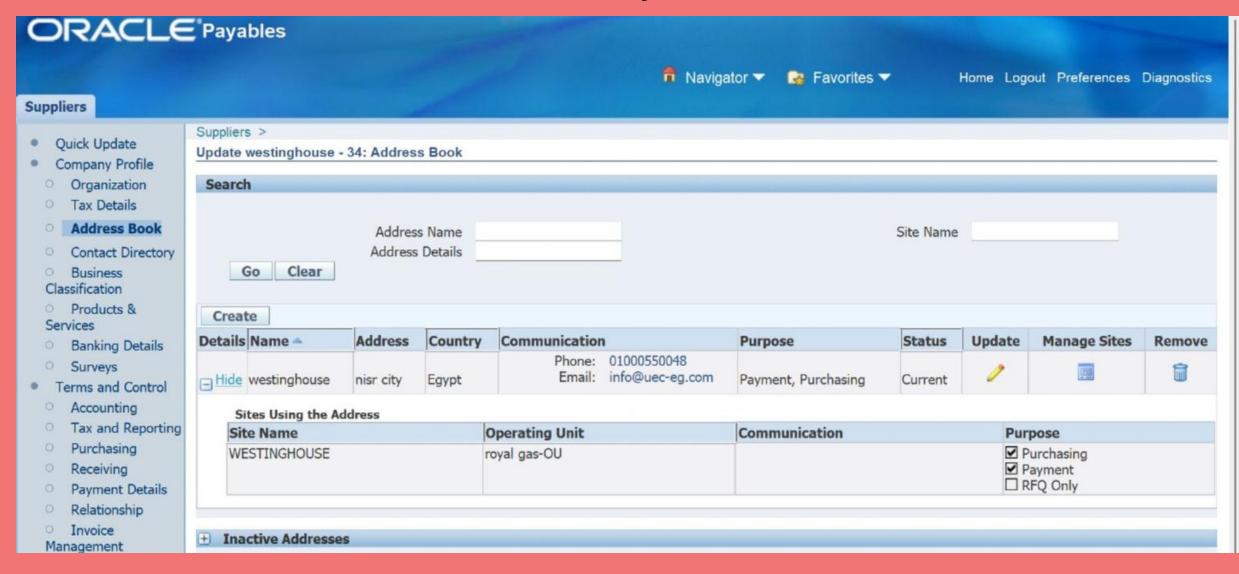
- Supplier name and type (Company / Individual)
- Payment method (Check / Electronic)
- Communication details (phone, email, address)

4. Assigned Bank Accounts

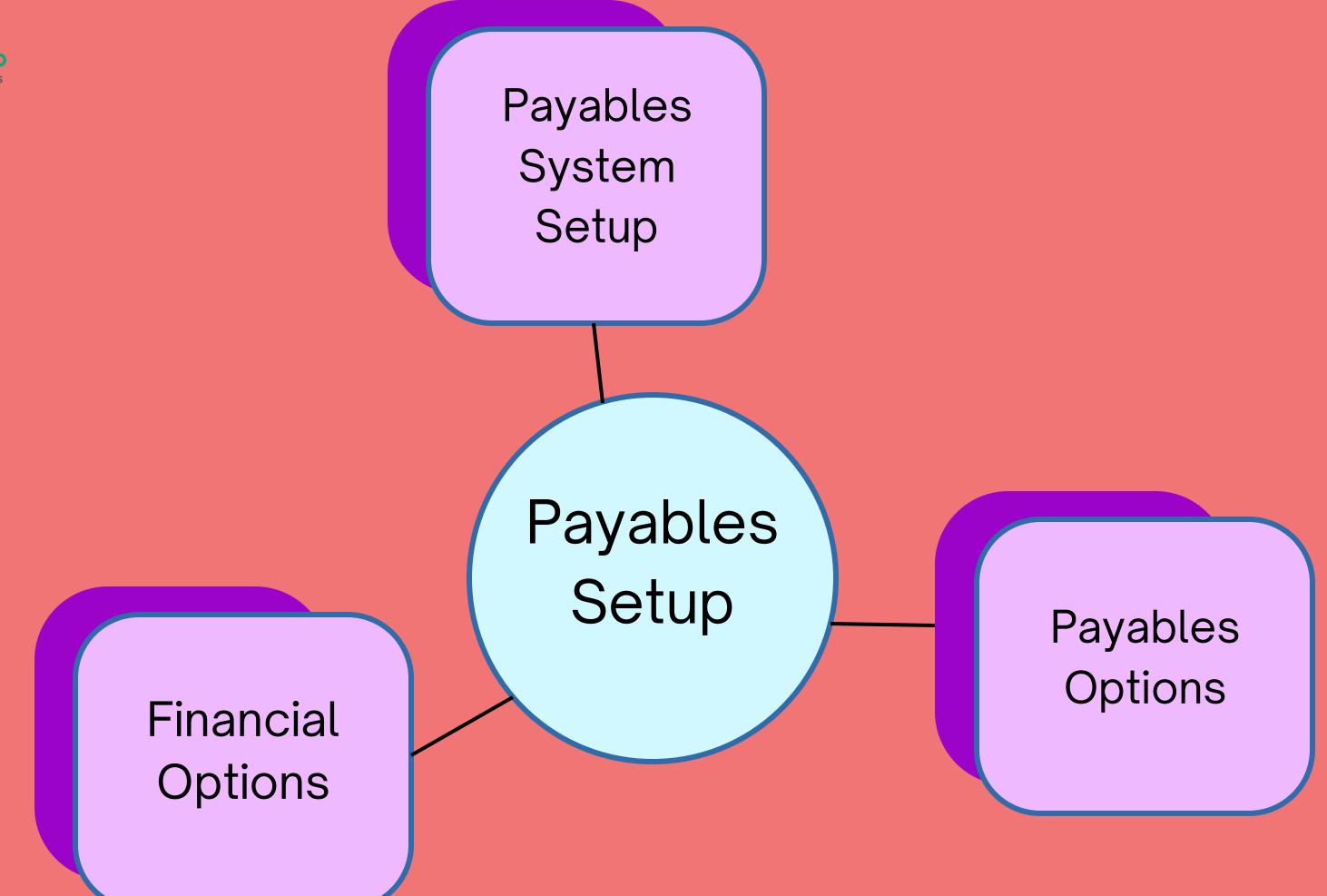
Linked supplier sites to
 previously created bank accounts

3. Added Sites for Each Supplier

- Site types: Purchasing, Payment
- Payment terms (e.g., Net 30)
- Currency











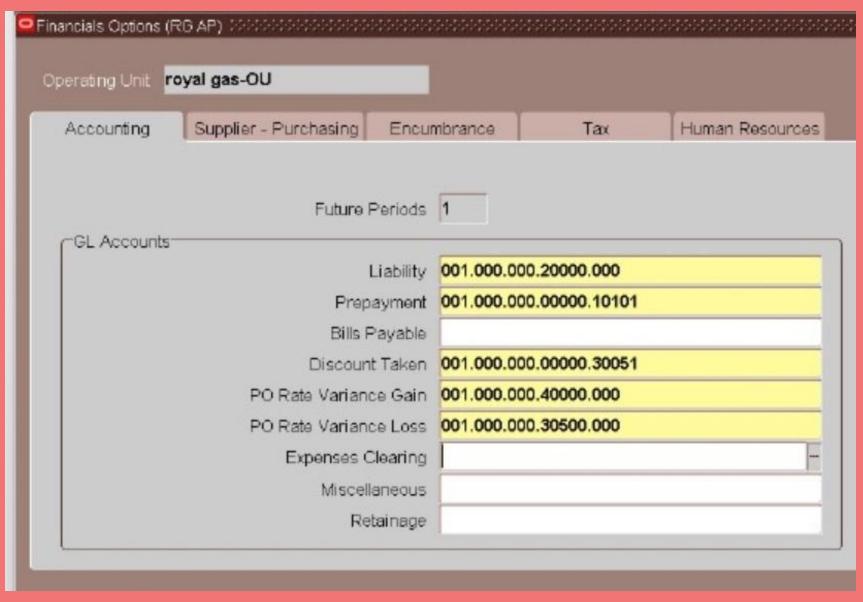




In the Financial Options setup, we begin by configuring key accounting accounts that are used for handling liabilities, prepayments, discounts, and variances. These accounts help ensure accurate tracking and reporting of financial transactions in the Payables module







Key Accounting Accounts Configured:

Liability Account: We assigned the relevant liability account code.

Prepaid Account: Assigned the appropriate prepaid account code.

Discount Taken Account: Linked to the discount account for recording discounts received.

PO Rate Variance Gain Account: We assigned the account to track any gains from purchase order rate variances.

PO Rate Variance Loss Account: Assigned the expense account to record any losses related to purchase order rate variances.

These accounts ensure proper management of financial transactions related to payables, including handling prepayments, discounts, and rate variances.



In the Supplier-Purchasing section of the Financial Options, we focused on linking the previously created Inventory Organization to the Payables module.

This ensures that the inventory setup is properly integrated with supplier and purchasing processes.

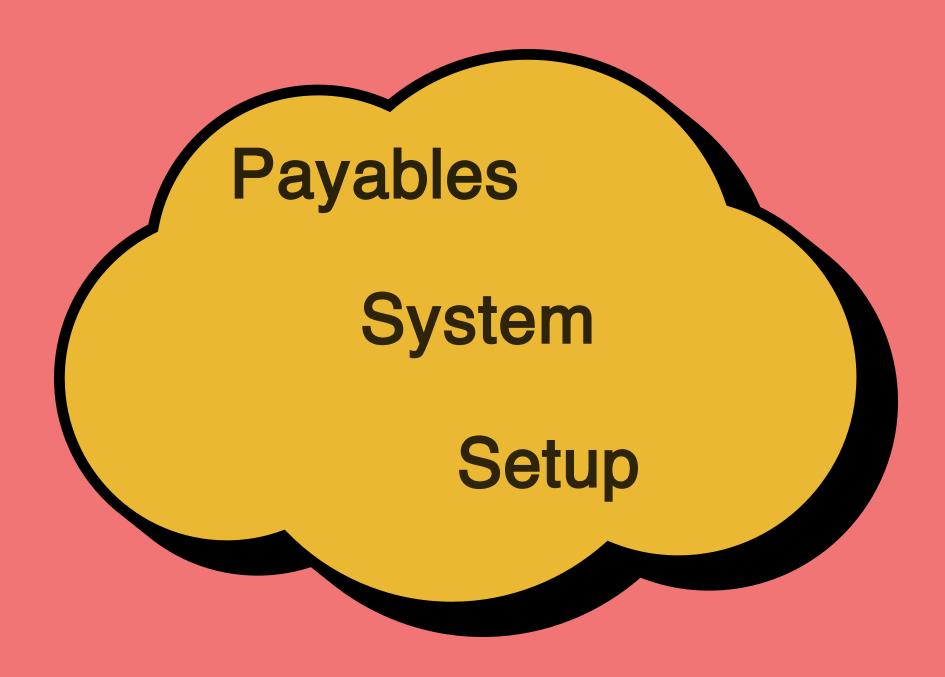
Key action:

We linked the Inventory Organization we created earlier to the supplier and purchasing settings.

With this step, we ensure smooth integration between inventory management and the Payables system, allowing for accurate tracking and accounting of purchases.

	RG AP) 1943-1943-1943-1943			
Operating Unit	oyal gas-OU			
Accounting	Supplier - Purchasing	Encumbrance	Tax	Human Resource
		EDEO O-IV SH-		
		□ BFQ Only Site		
	Ship-To Locatio			
	Ship-To Locatio	on [
		on	pry	
	Bill-To Locatio	on RGI - RG invento	ory	
	Bill-To Location Inventory Organization	n RGI - RG invento	pry	







Supplier Numbering: We defined how supplier numbers will be generated either automatically or manually, and set the next supplier number for future use.

Invoice Match Option: We selected the invoice matching method: PO-based Matching: This is a 2-way match, where invoices are matched with Purchase Orders (PO).

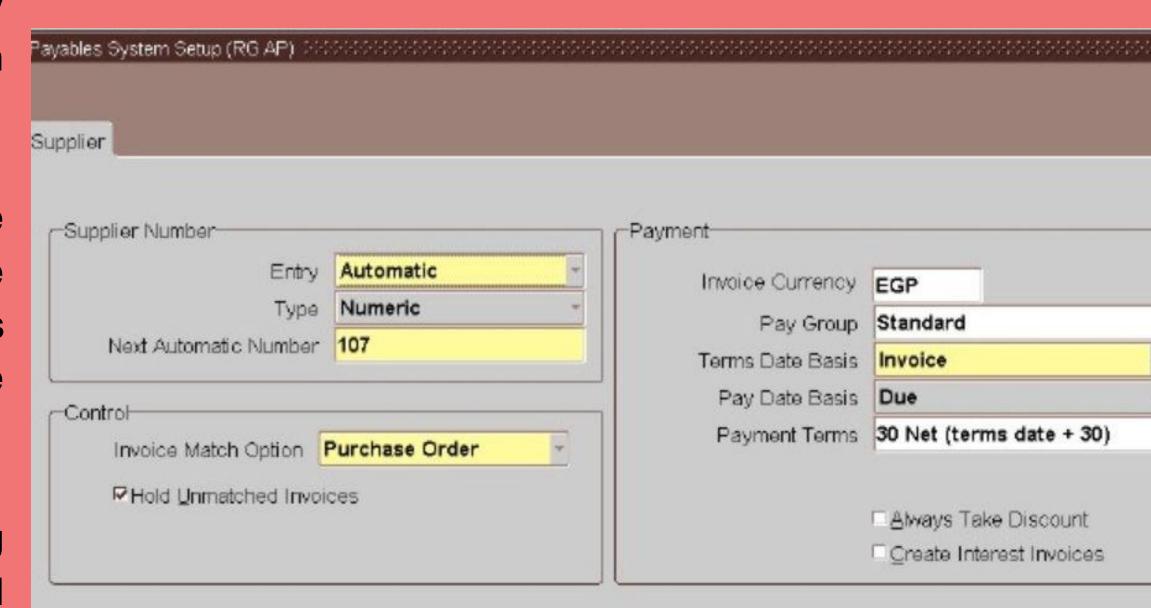




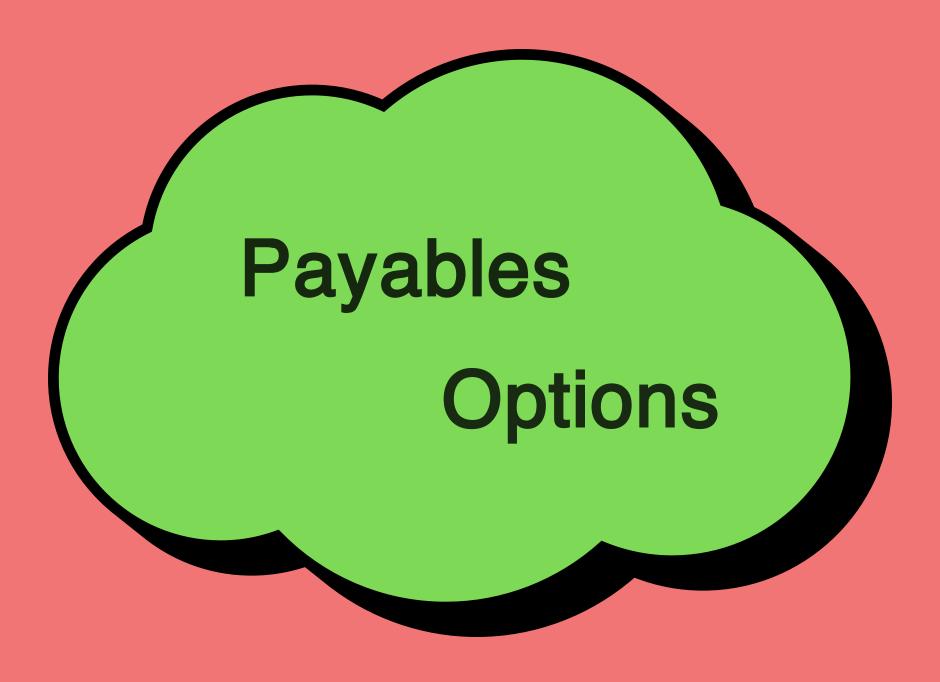
Receipt-based Matching: This is a 3-way match, where invoices are matched with both Purchase Orders and Receipts.

Terms Date Basis: We configured the Terms Date Basis to be based on the Invoice Date, ensuring that payment terms are calculated correctly from the invoice date.

These settings are essential for ensuring that invoices are processed correctly and matched with the appropriate documents to avoid errors and crepancies.









Accounting Options

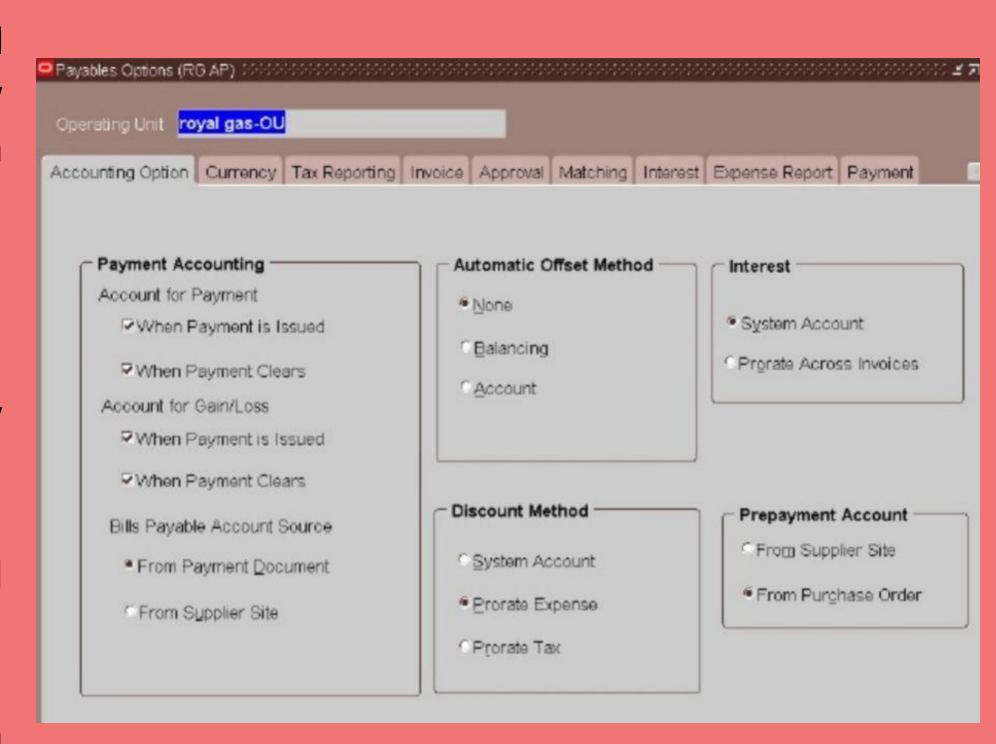
In the Payables Options setup, we configure critical accounting and currency settings that define how payments, gains, losses, and rounding are handled in the Payables module.

Key Accounting Options:

Accounting for Payment: We configured two key stages for payment accounting:

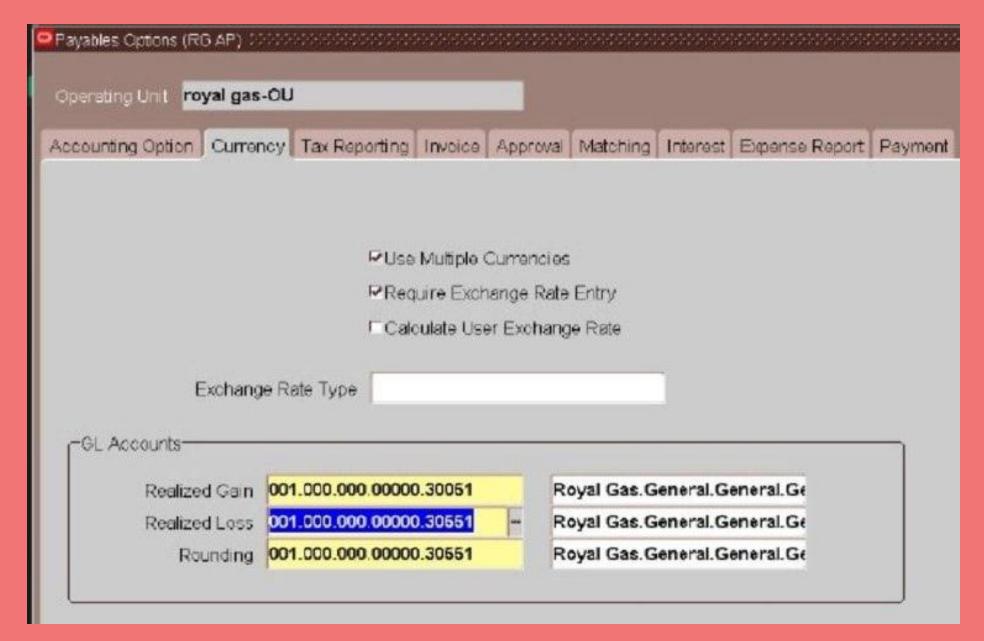
When Payment is Issued: The payment is recorded as soon as it's issued.

When Payment Clears: The payment is updated in the system once it clears the bank.





Currency setting



We enabled the ability to make payments in multiple currencies, ensuring flexibility for international transactions.

Realized Gains and Losses:

Realized Gain: We assigned the Other Revenue account to track any gains from currency fluctuations.

Realized Loss: We assigned the Other Expense account to track any losses from currency fluctuations.

Rounding Account:

We configured the Other Expense Account to handle any rounding differences during payment processing. These settings are crucial for handling currency-related transactions and ensuring that payments and associated financial entries are accurately recorded.



Interest Settings

We also configured additional important sections under Payables Options to control how interest and payments are handled.

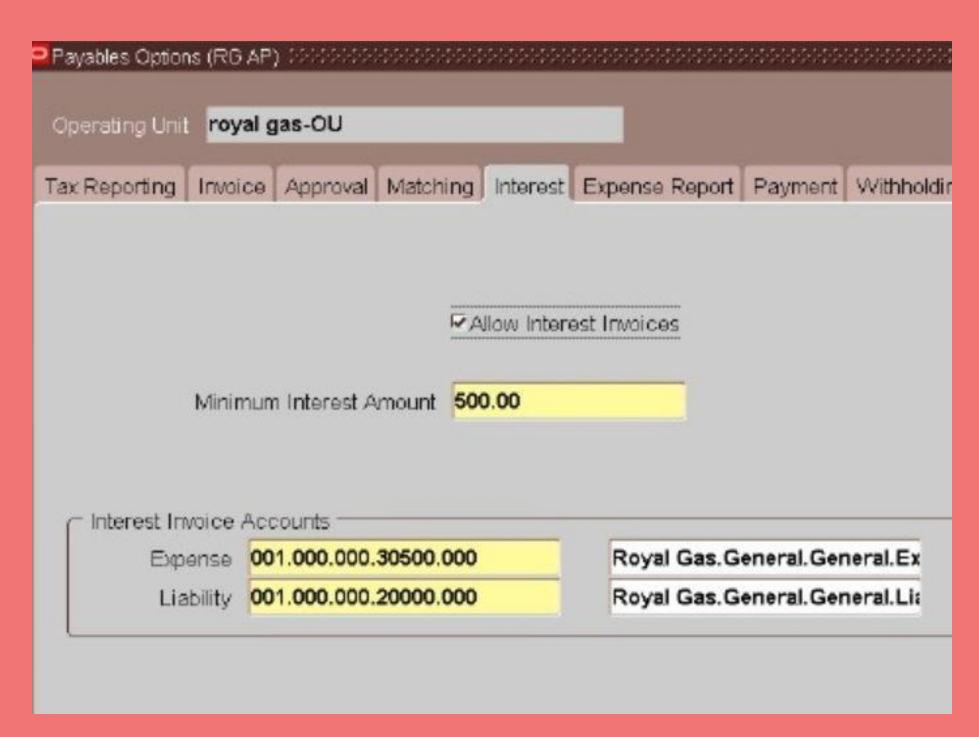
Interest Settings:

Minimum Interest Amount: Set to 500, meaning the system will only calculate and apply interest if the amount exceeds this threshold.

Expense Account: Assigned to record interest expenses.

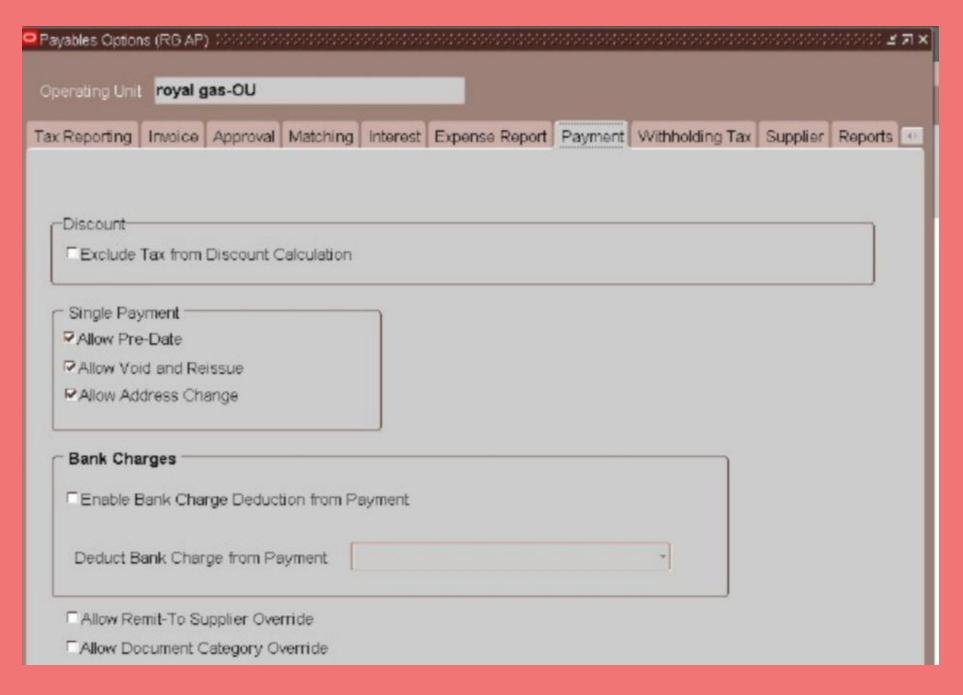
Liability Account: Assigned to record interest liabilities

These settings help manage overdue payment penalties in a structured and automated way.





Payments Setting



Payments Settings: Under Single Payment Options, we enabled several key features:

Allow Predate: Allows creating payments with a date earlier than the system date.

Allow Void and Reissue: Enables canceling a payment and issuing a new one in case of errors.

Allow Address Change: Allows editing the supplier's address during the payment process.

These configurations offer flexibility in handling exceptional payment cases while maintaining process.



Create Format Templet

Payment Setup

Payment Process
Profile



Create format templet

Downloading the Standard Check Format Template

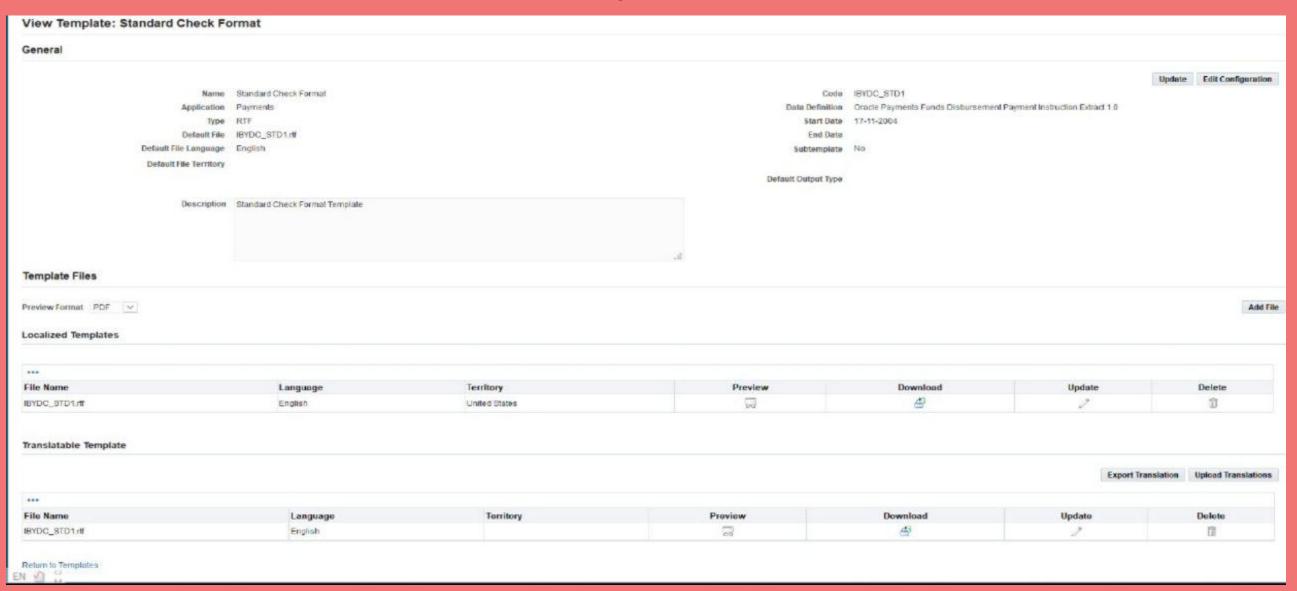
Navigate to the Payments Administrator responsibility in Oracle Applications.

Go to XML Publisher format Templates.

Search for the Standard Check Format Template using its name or template code.

Select the desired template and click Download to get the RTF file.

Save the RTF file locally for further customization.





Payment Process Profile Setup

Details of the Configured Profile:

Name: RG PPP

Type: Printed

Usage: Linked to the QNP Check Book

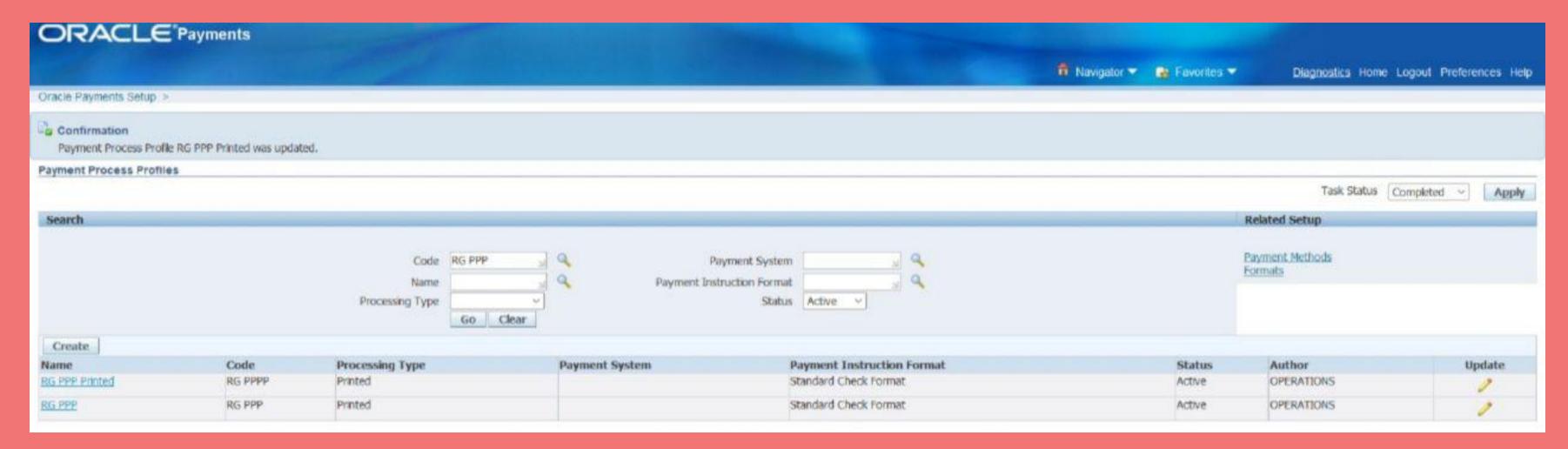
Status: Active

Payment Method: Check

Format: Standard Check Format

Document Category: Payables Payment Documents

Assigned to: Bank Account used for Standard Invoice payments





5- Bank Setup in Oracle Objective:

To configure banking structure for processing supplier payments and managing financial transactions securely

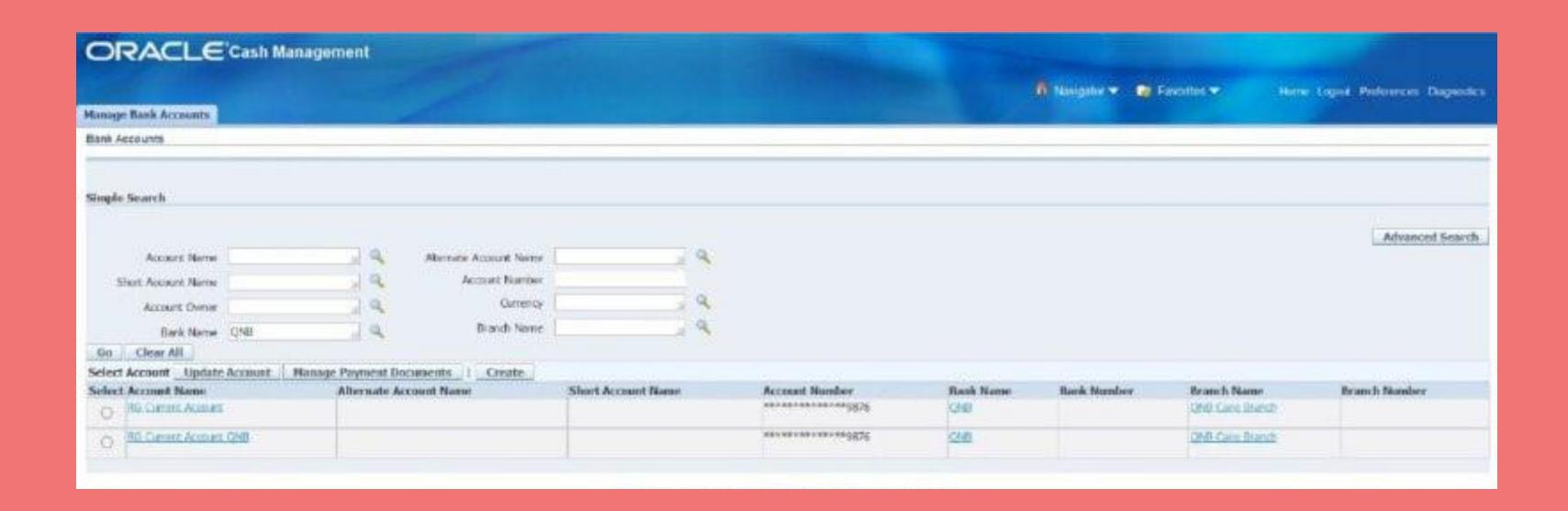
Payables Key Steps Implemented:



1. Created a New Bank Name: [QNP]

Country: [Egypt]

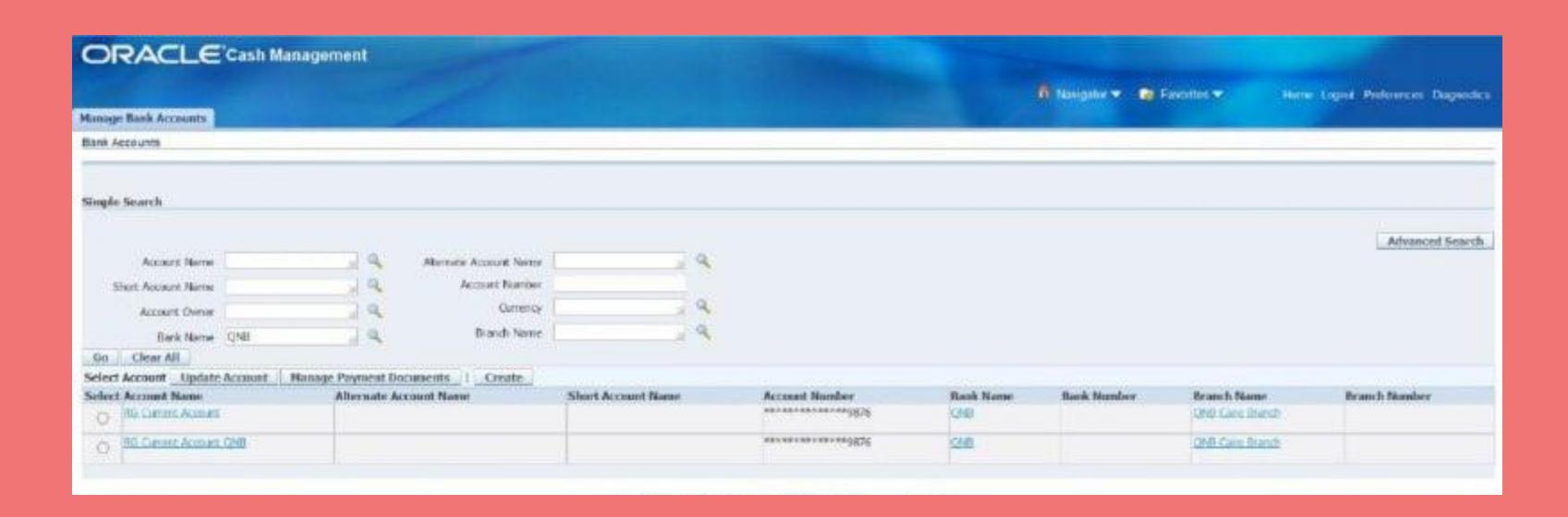
2. Added Bank Branches Definition name (QNP Cairo Branch)





3. Configured Bank Accounts

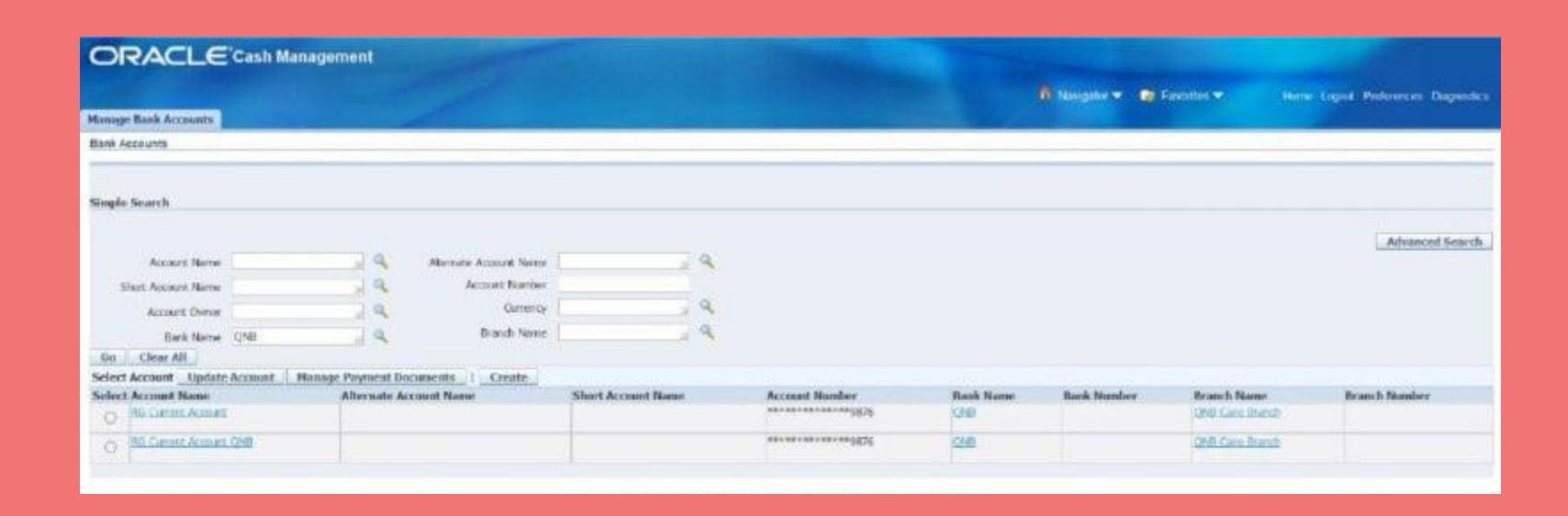
Entered account number and defined the currency
Linked the account to the corresponding Legal Entity
Granted access to authorized users via Cash Management responsibility
Defined the account usage (e.g., Payables Payments, Receivables Receipts)





4. Linked Bank Account to Supplier

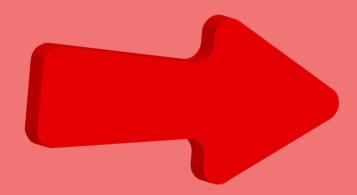
5. Access Configuration: Assigned to required responsibilities Allowed usage through Cash Management





6- Withholding Tax (WHT) Setup

To enable Withholding Tax (WHT) functionality in the Payables module, we followed these key steps:





1. Create a Tax Authority as Supplier:

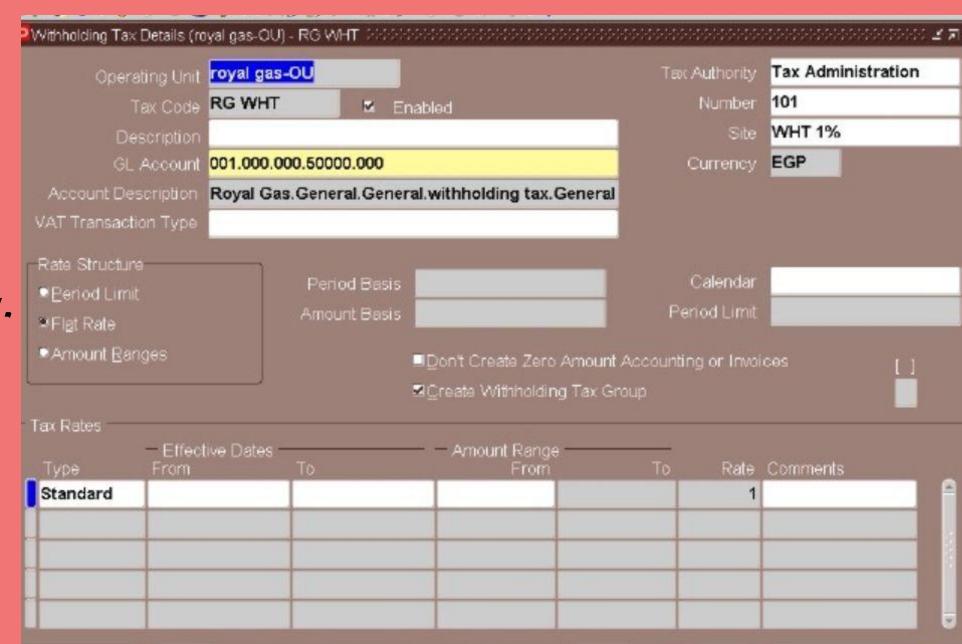
Supplier Name: Tax Administration

Supplier Type: Set as Tax Authority to indicate it

represents a governmental or tax-collecting body.

2. Created a Withholding Tax Account:

A dedicated GL account was assigned to record withholding tax amounts accurately in the financial statements.





3. Performed the Withholding Tax Setup: GL Account: Linked to the Withholding Tax expense account.

Tax Authority: Selected the previously created Tax Administration supplier.

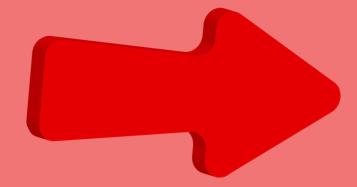
Rate Structure: Configured as a Flat Rate, which applies a fixed percentage to the taxable amount.

Ope	rating Unit royal	gas-OU			Tex /	Authority	Tax Administ	ration	
	Tax Code RG W					Number	101		
С	escription					Site	WHT 1%		
GL Account 001.000.000.50000.00			0.000	Currer			ey EGP		
Account D	escription Royal	Gas.Gener	al.General.with	nholding tax.Gene	ral				
AT Transac	ction Type								
Rate Structu	ire	7							
Beriod Lim		Perio	od Basis			alendar			
Flgt Rate		Атоц	nt Basis		Per	iod Limit		_	
Amount Ra	anges		■Don	t Create Zero Amo	unt Accountin	g or Invoi	ces	1.1	
Amount Ba	anges	J		't Create Zero Amo ate Withholding Tax		g or Invoi	ces		
≮Amount <u>R</u> a x Rates	anges	J				g or Invoi	ces		
x Rates	– Effective Da	tes To	⊠Cre	ate Withholding Tax Amount Range		***************************************			
			⊠Cre	ate Withholding Tax	c Group	***************************************	ces Comments		
x Rates Type	– Effective Da		⊠Cre	ate Withholding Tax Amount Range	c Group	Rate			
x Rates Type	– Effective Da		⊠Cre	ate Withholding Tax Amount Range	c Group	Rate			



7- Invoice Creation & Payment

To record supplier liabilities accurately by entering different types of invoices based on the nature of transactions Steps Performed:





Created Three Invoice Types:

Standard Invoice

Prepayment Invoice

Credit Memo



Standard Invoice

A. Standard Invoice

Details:

Supplier: Supplier [BEBA]

Amount: [e.g., 900 EGP]

Matched to Purchase Order

Accounted and validated successfully

2. Standard Invoice Payment

Invoice Type: Standard

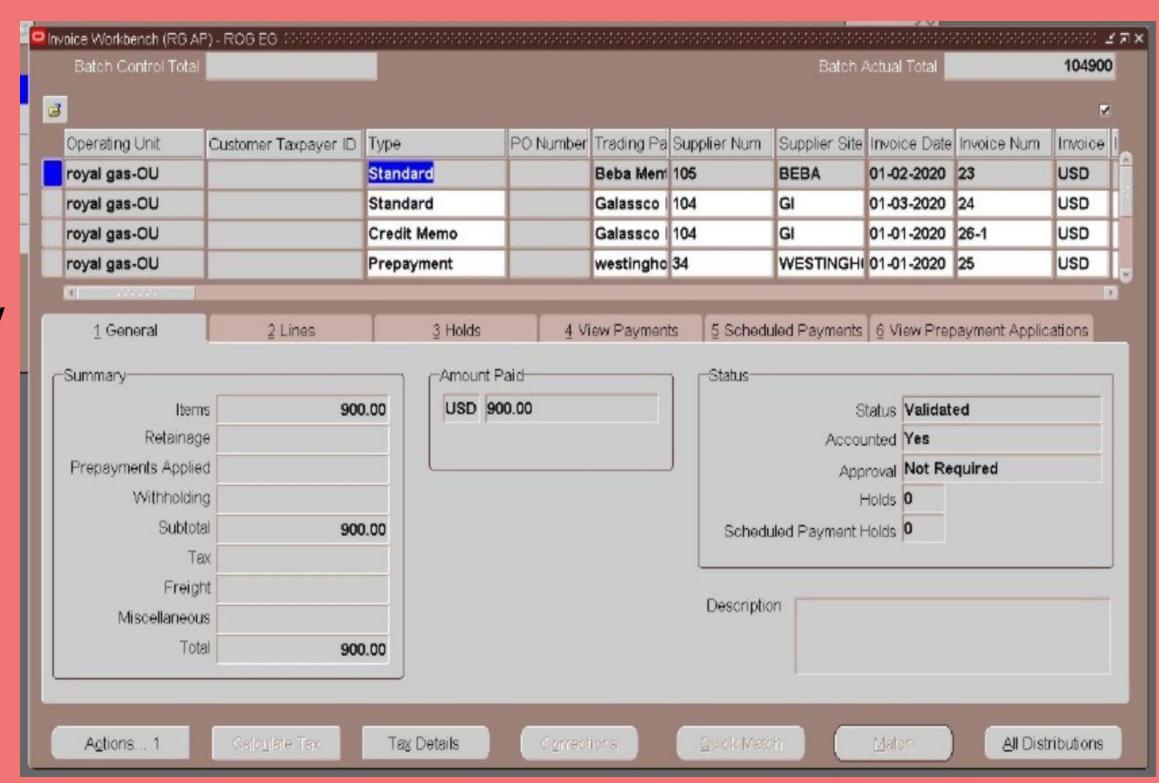
Supplier: Supplier [BEBA]

Invoice Amount: 900 EGP

Payment Method: Check

Payment Status: Fully Paid

Bank Account Used: QNP





Prepayment Invoice

B. Prepayment Invoice

Details:

Supplier: Supplier [Westinghouse]

Amount: [e.g., 50,000 EGP]

Type: Prepayment

Marked as available for application to future standard invoices

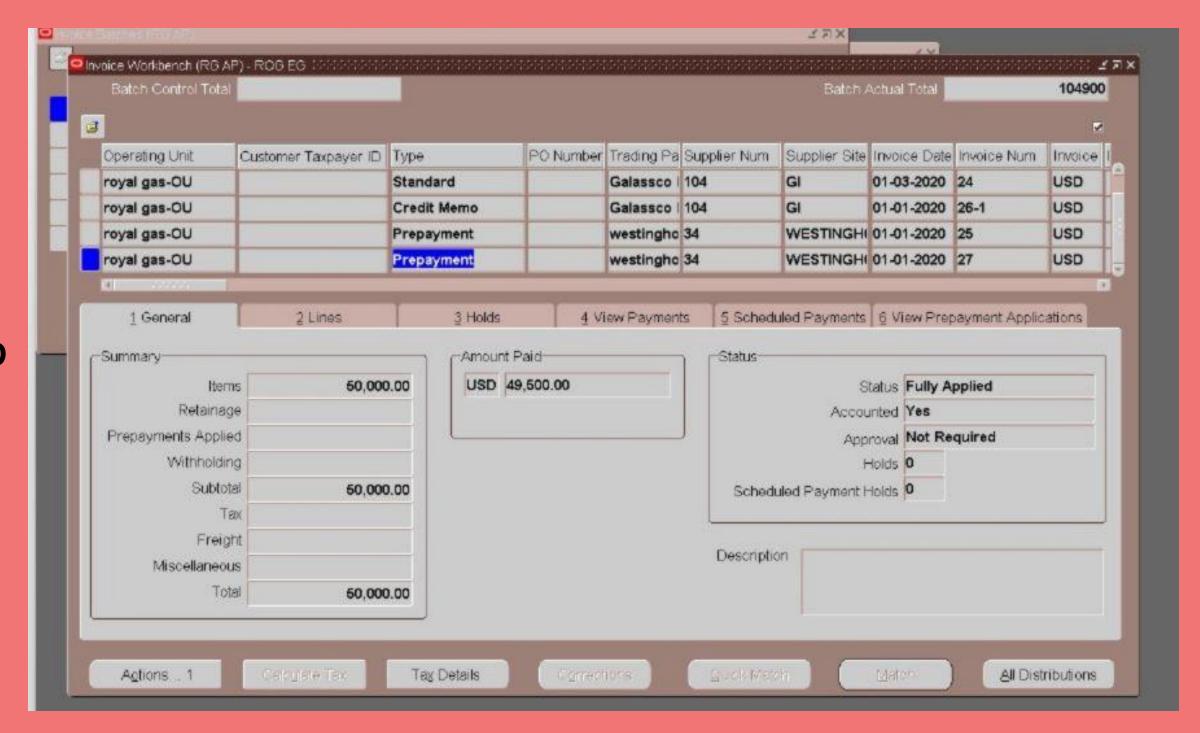
2. Prepayment Invoice Payment

Invoice Type: Prepayment

Supplier: Supplier [Westinghouse]

Invoice Amount: 50,000 EGP

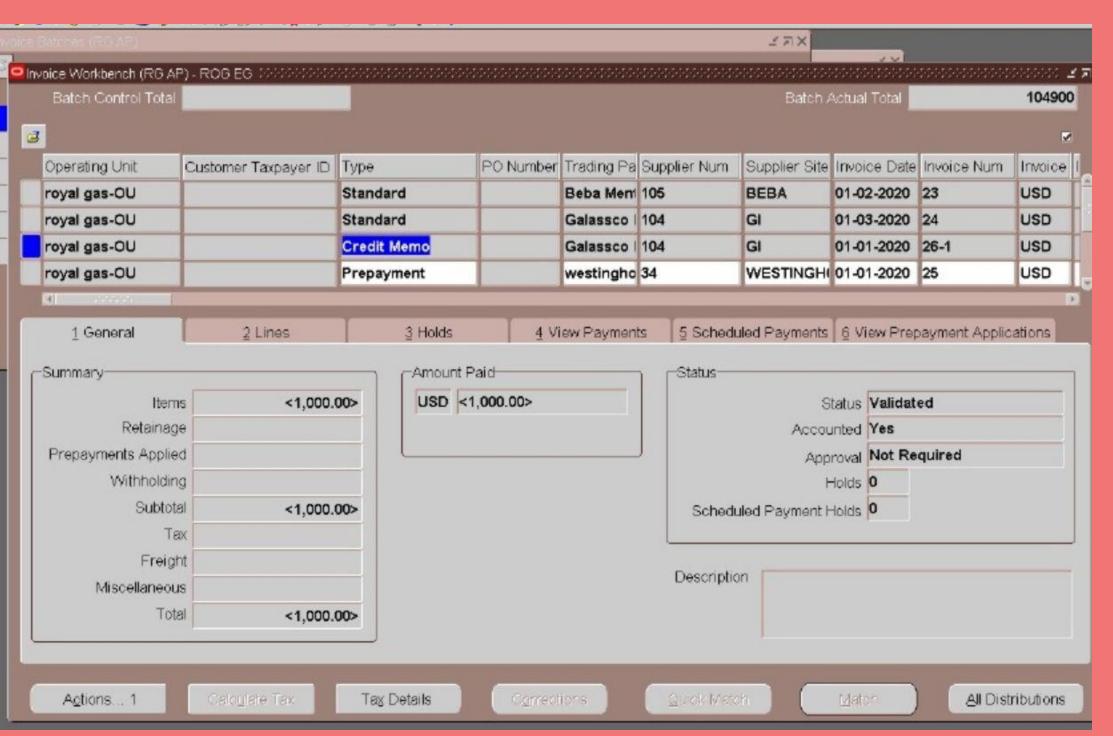
Paid Amount: 49,500 EGP



Notes: Remaining 500 EGP represent tax expense.



Credit Memo



Validation Process: All invoices went through: Invoice Validation Accounting Creation

C. Credit Memo

Details:

Supplier: Supplier [Galassco international]

Amount: [-1,000 EGP]

Applied to an existing standard

invoice Reduced liability accordingly

3. Credit Memo Application

Invoice Type: Credit Memo

Supplier: Supplier [Galassco international]

Credit Amount: <1,000> EGP

Effect: Reduced the net liability by 1,000

EGP

Status: Successfully applied and

accounted



8- Period Closing Report – Payables

To confirm successful closing of the Payables period after completing all accounting and payment activities.





Report Overview:

Report Name: Payables Accounting

Health Check

Period: From 01-Jan-2020 to 31-Jan-2020

Operating Unit: royal gas-OU

Key Metrics from the Report:

Metric Result

Unaccounted Invoices 0

Unaccounted Payment Activity 0

Bills Payable Requiring Maturity and

Accounting 0

Outstanding Payment Process Requests 0

Accounting Entries Not Transferred to GL 0

Other Exceptions 0

Access Confirmation Yes



Period Close Exception Report

eport Date: 07-MAY-2025

Page: of 2

From Accounting Date	2020/01/01 00:00:00	
To Accounting Date	2020/12/31 00:00:00	
Period Nam		

Summary By Operating Unit

Operating Unit	Unaccounted Invoices	Unaccounted Payment Activity	Bills Payable Requiring Maturity Event and Accounting	Outstanding Payment Process Requests	Accounting Entries not Transferred to the General Ledger	Other Exceptions	Does User has access to OU?
royal gas-OU (9331)	0	0	0	0	0	0	Yes



Conclusion

All invoices and payments have been validated, accounted, and transferred to the General Ledger

No outstanding exceptions, which confirms successful period closing

Oracle Payables period for January 2020 was closed cleanly without any corrective actions required



Our Team



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Supervision Eng



Haytham Ibrahim





