## CONTRACT TO PURCHASE ORDER B2B MANAGEMENT SYSTEM

THESIS REPORT

### SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF MASTER OF DESIGN IN VISUAL COMMUNICATION

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## DECLARATION

I, Shruti Yadav (2K21/MDVC/12) do hereby declare that the project report submitted to the Delhi Technological University (Formerly Delhi College of Engineering) in partial fulfilment for the award of degree in Master in Design entitled, **"Contract to Purchase Order B2B Management System"** is an original piece of research work carried out by myself under the guidance and supervision of Mr. Neeraj Rathee.

I have duly acknowledged all the sources and references used by me in the preparation of this thesis.

I further declare that the information has been collected from genuine & authentic sources

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## CERTIFICATE

This is to certify that this dissertation entitled "**Contract to Purchase Order B2b Management System**" submitted in partial fulfilment, for the award of degree in Master of Design of the Delhi Technological University (formerly Delhi College of Engineering) which is the result of the bona fide research work carried out by Shruti Yadav (2K21/MDVC/12). I find the work complete, comprehensive, and of sufficiently high standard to warrant its presentation for the examination. I further certify that the work has been carried out under my guidance and has not been submitted earlier to any other university for the Degree or Diploma.

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## ABSTRACT

Companies often struggle to maintain track of their contracts and purchase orders in today's fast-paced business world, which can result in missed deadlines, lost opportunities, and even legal difficulties. The **Contract to Purchase Order Management System** is a Management Tool that addresses these issues by improving the contract and purchase order management process.

This Management Tool assists businesses in organizing and storing all of their contracts in one place, allowing them to rapidly access and evaluate critical information such as contract terms, renewal dates, and price. Companies can also use this software to easily construct new contracts, raise Purchase Orders against contracts, track order progress, and receive real-time delivery status information.

This software streamlines the contract and purchase order process in addition to providing a number of other advantages to businesses, including as report generation, role-based access controls, encryption, and audit trails that provide a thorough record of all contract-related operations. The Contract to Purchase Order Management System is an effective solution that enables businesses to organize their processes, boost productivity, and lower risk so they can concentrate on their core company operations and spur growth.

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## List of Abbreviations

- IA Information architecture (IA) focuses on organizing, structuring, and labelling content in an effective and sustainable way. The goal is to help users find information and complete tasks. To do this, you need to understand how the pieces fit together to create the larger picture, how items relate to each other within the system.
- SOW A Statement of Work, often known as an SOW, is a business agreement that outlines deliverables and project goals. It's created to keep everyone on the same page about deadlines, scope of work, and project expectations. Creating an SOW helps clients and vendors to stay aligned and reach their project goals together.
- PO A purchase order is a commercial document that is issued by a business' purchasing department when placing an order with its vendors or suppliers. The document indicates the details on the items that are to be purchased, such as the types of goods, quantity, and price. In simple terms, it is the contract drafted by the buyer when purchasing goods from the seller.
- PR A purchase requisition is a form filled out by an employee, requesting that the purchasing department obtain certain goods or services. The form includes information about the nature and amount of the items to be acquired, and when they are needed.
- HSN HSN stands for Harmonized System of Nomenclature and is used to classify goods in a systematic manner.
- SAC SAC stands for Servicing Accounting Code and is used to classify services instead of goods.
- RFQ Request for quote (RFQ) is a process wherein an enterprise asks a set of potential suppliers or service providers to submit their price quotations and stand a chance to supply or provide goods or services. Once the enterprise receives the price quotations, it can choose the vendor that best matches its criteria for the goods or services.

## Chapter 1 INTRODUCTION

### 1.1 Genesis

For the commencement of my sponsored project during the 4th semester (final semester) of my Master of Design, I joined **Mynd Solutions Pvt Ltd** for the time period of 14 weeks, i.e. from 03 January, 2023 - 9 April, 2023.

During my academic journey, I have been fascinated by the creative aspects of designing and developing intuitive interfaces that enhance the user's experience. I was exposed to an extensive range of project phases over the duration of the internship, which challenged my ability to think creatively and push the limits of what was possible. The experience I gained during this internship has not only helped me to refine my skills as a designer but has also set me on the path towards a rewarding career in this field.

As a product design intern, I was tasked with working on a project that involved developing a **"Contract to Purchase Order Management System"**. To begin with, I spent time understanding existing similar systems and their features and functionalities, and then later worked on the ,defining the users, creating user flows, information architecture, wire framing and development of the User Interfaces for the tool. As I progressed with the project, I gained a deeper understanding of the technical aspects of the contract to purchase order management system, such as how it integrates with other systems and how it stores and retrieves data. Exposure to all the stages of product development acts like the first step of larger ladder of me as a designer to climb.



Figure 1: Logo Mynd Solutions Pvt Ltd

Mynd Integrated Solutions is a leading global service provider in business process and technology management, offering broad spectrum of services in Finance and Accounting (FAO), Human Resource Outsourcing (HRO), Information Technology (IT) and Consulting.

It's team of subject matter experts have the right blend of technology and effective business process experience to fully realize the benefits of process improvements. Mynd Integrated Solutions provides significant value beyond the technology. It understands that BPM lies at the intersection between technology and process, and requires deeper business knowledge beyond system integration to succeed. It offers platform as SaaS (Software as a Service) which complements the services delivered, to suit customers' need across the globe.



Figure 2: Milestone achieved by Mynd Solutions Pvt Ltd

Mynd Integrated has a worldwide presence through offshore offices and global partners across continents.

Committed to fulfilling outsourcing demands of the international market through its bespoke services, Mynd has incorporated "Mynd Integrated Solutions Asia Pte.Ltd".

Mynd's sister concern is based in Singapore to manage international business endeavours and to provide robust solutions to international clients under a single umbrella.

## Chapter 2 PROJECT OVERVIEW

### 2.1 Introduction

In today's fast-paced business world, companies often struggle to keep track of their contracts with vendors and purchase orders. This can result in missed deadlines, lost opportunities, and even legal complications.

**Contract to Purchase Order Management System** is a tool which addresses these challenges, and allows us to maintain a record of existing contracts, even create new contracts and raise Purchase orders against them. It streamlines the process of managing contracts and purchase orders. This software helps companies to organize and store all their contracts in a centralized location, allowing them to quickly access and review important information such as contract terms, renewal dates, and pricing. Companies may easily generate new contracts with the help of this software. The intuitive interface makes it simple to input any required information and create a contract that is customized according to specific needs of the business.

Raising Purchase Orders (POs) against contracts is one of this software's primary functionalities. Companies are able to generate a PO for a specific contract and have it immediately sent to the appropriate stakeholders for approval. This streamlined procedure lowers the possibility of mistakes and delays while ensuring that all purchases are done in compliance with the contract's requirements.

Once a PO has been approved, the software allows companies to track the progress of the order and receive real-time updates on delivery status.By managing their resources and inventory more effectively and making sure they are fulfilling their contractual duties, businesses can benefit from this degree of visibility.

This software serves companies in a variety of additional ways in addition to expediting the contract and purchase order processes. For instance, it helps businesses to easily produce reports that offer insights into indicators for acceptance, vendor efficiency, and performance of contracts. Companies can use this data to find opportunities for development and make data-driven decisions that promote business growth. This software also includes basic features like contract modification, their extension foreclosure and purchase order generation, partial short closing, etc. The security features of this application are yet another significant benefit. To safeguard sensitive information including contract terms, prices, and vendor information, it offers numerous layers of security. This incorporates encryption, audit trails, and role-based access controls that offer a thorough record of all contract-related activity.

In conclusion, the Contract to Purchase Order Management System is an effective tool that supports companies in streamlining their processes, increasing productivity, and lowering risk. This software enables companies to concentrate on their main company operations and spur growth by centralising contract management and offering a variety of user-friendly features.

### 2.2 Understanding the Documents Involved

### Contract

A contract is an agreement between a company and vendor that establishes what terms and conditions will govern all current and future activities and responsibilities. The contract will generally include a statement of work (SOW) that outlines the specific tasks or projects that the vendor will be responsible for completing, along with any relevant timelines and budget information. They serve as a framework for future SOW between the parties.

Once a contract is signed, both parties are legally bound to abide by its terms and conditions. Failure to do so may result in legal action, including damages or termination of the agreement.

### **Purchase Order**

A company uses a purchase order (PO) to communicate to a vendor the specifics of its requirements. It is essentially a formal request made to the vendor outlining the details of the transaction, including the quantity, price, and other terms and conditions.

POs are an important tool for companies to manage their purchases effectively. They provide a clear and transparent way to communicate requirements with vendors and ensure that both parties have a shared understanding of the transaction. POs also help to prevent errors and misunderstandings by documenting all of the relevant details of the transaction in writing.

A purchase order (PO) may be issued in response to a statement of work (SOW) or a purchase request (PR) that has been approved by the management of a company. In this scenario, the vendor is expected to provide the items or services listed in the PO, which is based on a pre agreed-upon scope of work or pre-approved purchase request.

POs can be raised against vendors directly in addition to being raised against SOWs and PRs. This happens when a company already has a working relationship with a vendor and wishes to purchase items or provide services that aren't covered by a SOW or PR. In this scenario, a company will produce a PO that has all of the particulars of the transaction, including quantity, pricing, and delivery.

### **Purchase Request**

A purchase requisition (PR) is a formal request made by an employee of a company to the purchasing department to procure certain goods or services. The purpose of a PR is to initiate the procurement process and ensure that the requested items or services are acquired in a timely and efficient manner.

The PR typically includes information about the nature and amount of the items or services to be acquired, as well as when they are needed. It may also include information about the vendor, the budget, and any other relevant details that will help the purchasing department to process the request.

Once the PR is submitted, the purchasing department will review it and assess whether the requested items or services are necessary, feasible, and within budget. If the request is approved, the purchasing department will then initiate the purchasing process, which may involve issuing a request for proposal (RFP) to vendors, obtaining quotes or bids, negotiating contracts, and so on.

In conclusion, a purchase requisition is a form filled out by an employee requesting that the purchasing department obtain certain goods or services. The form typically includes information about the nature and amount of the items or services to be acquired, as well as when they are needed. PRs are an important tool for initiating the procurement process and ensuring that the requested items or services are acquired in a timely and efficient manner.

### **Statement of Work (SOW)**

SOW refers to a document that outlines the work that is to be performed by a vendor or contractor for a client company. An SOW typically includes a detailed description of the work to be performed, as well as any deliverables, timelines, and milestones associated with the project.

The SOW serves as a guide for both the client company and the vendor/contractor, and helps to establish a clear understanding of the project scope, expectations, and responsibilities. It also helps to ensure that both parties are aligned on the objectives and outcomes of the project.

Within the SOW, there may be line items that outline specific deliverables or milestones, and may include defined rates or amounts associated with each item. This information can be used to generate a Purchase Order (PO) for the vendor or contractor to proceed with the work. The PO can then reference the specific line items and rates defined in the SOW, helping to ensure that both parties are clear on the expectations and financial terms of the project.

In summary, an SOW is a document that outlines the work to be performed by a vendor or contractor for a client company. It includes a detailed description of the work, as well as any deliverables, timelines, and milestones associated with the project. Line items and rates defined within the SOW can be used to generate a Purchase Order for the vendor or contractor to proceed with the work.

### 2.3 Existing System

The process of fulfilling a new requirement for a product or service in a company involves several stages. Initially, an employee informs the higher authority about the requirement, and the authority checks whether the product or service is available in the company's inventory. If the product or service is not available, a Purchase Requisition (PR) is raised, and it undergoes a PR approval workflow.

Once the PR is approved, it goes to the procurement department, which is responsible for releasing a Request for Quotation (RFQ) and sending it to various vendors. The vendors, in turn, send back procurement quotations, which the procurement department compares and analyses. After considering all the factors, the procurement department finalizes a vendor and raises a Purchase Order (PO) against them.

The Purchase Order then undergoes its approval workflow, and after receiving the necessary approvals, it reaches the selected vendor. The vendor then delivers the products or services to the company.

However, the process of generating RFQ, waiting for quotations, selecting the most suitable vendor, and then generating a PO against them can be time-consuming. Therefore, it is essential to have an efficient and streamlined process to ensure timely fulfilment of requirements while minimizing delays and errors.



Figure 3: Existing Workflow of generating the Purchase Order

## 2.4 How does Contract to PO Management System improves existing system

When a company has a certain level of certainty that they will require specific products and services over an extended period, it is beneficial to establish contracts with vendors. By having a contract in place, the procurement process can be streamlined, reducing the need for lengthy processes such as Request for Quotation (RFQ) and vendor selection.

The contract contains a Statement of Work (SOW) that outlines the specific line items required, along with their corresponding rates, grouping, HSN/SAC code numbers, and the validity of the contract. Contracts are finalized after a set of negotiations with the vendor, ensuring that both parties are aligned on the scope of work, expectations, and financial terms.

When a requirement arises, the procurement department can bypass the RFQ floating process, waiting for vendor quotations, and then selecting the vendor. Instead, they can directly refer to the contract that includes the same line items as the Purchase Requisition (PR) and raise a Purchase Order (PO) against it.

This approach saves time and effort by eliminating the need for the entire vendor selection process, which involves waiting for vendor quotations, analysing them, and comparing rates. With contracts in place, the procurement department can swiftly raise POs against the selected vendor, ensuring timely fulfilment of requirements without compromising on quality or price.

Moreover, having contracts in place also helps in building strong and long-term relationships with vendors, as it provides a sense of security and stability to both parties. By knowing that they have a steady flow of work from the company, vendors can plan their resources and investments more efficiently, leading to better service delivery and cost savings.



Figure 4: Workflow of generating PO with Contract to PO Management System

The management of contracts with different vendors is a crucial aspect of procurement in any organization. However, managing these contracts can be a challenging task, as they often exist as physical documents with no specific format. It can be difficult to keep track of when contracts are expiring, which line items belong to which contract, and the remaining value of each contract. Furthermore, modifications, extensions, or foreclosure of these contracts can be a massive undertaking.

To address these challenges, a Contract to Purchase Order (PO) Management system can be implemented. This tool allows for the consolidation of all contract details into one centralized location, streamlining the organization and management of contract data. By converting contract data into a uniform format, the system ensures that no data field is missed. The system's uniform format was finalized after researching different types of contracts.

The system also allows users to create new contracts with vendors. The tool works in conjunction with various SAP software to manage inventories.

By listing all contracts under one software, raising a purchase order becomes a straightforward task. Users can easily search for contracts, Statements of Work (SOW), and vendors and directly find them in the database. Once found, users can enter quantities against the line items, and the rates are already defined during the creation of the contracts and SOW.

The Contract to PO Management system also facilitates the approval process of contracts and POs. It allows for chat communication between relevant stakeholders during the approval process, eliminating the need for conversation over the phone or email. For instance, if the approver has any doubts regarding the PO creation, they can converse with the PO creator on the software.

The Contract to PO Management system is a crucial tool for organizations seeking to streamline their procurement processes. It offers a solution for the challenges posed by managing contracts and ensures that contracts are managed efficiently, effectively, and in a timely manner. By implementing this tool, organizations can reduce the time spent managing contracts, increase productivity, and improve overall procurement performance.

## Chapter 3 USERS

### 3.1 Defining Users

In order to ensure the effective operation of the Contract to PO Management System, it is necessary to categorize the user base into five distinct groups. These groups include:

- 1 Contract Creator
- 2 Contract approver
- 3 Purchase Order Creator
- 4 Purchase Order Approver
- 5 Vendor
- 6 Admin

### CONTRACT CREATOR

The person responsible for creating any contract. He will be allowed to modify contracts, add and modify new Statement of works for existing contracts, extend and short close Contracts and Statement of works.

### CONTRACT APPROVER

Whenever contract creator creates, modifies extends or shortcloses a contract or SOW the system doesn't reflect that immediately, the changes undergo an approval cycle, that can be different for different departments, which is defined by the Admin. Contract Approvers will be giving "**Approvals**" for Contract and SOW related. The Contract Approvers also have an option to "**Reject**" the Contract/SOW at all if they don't find it relevant or they can "**Reconsider**" if they find some sort of small glitches which have to be corrected by the Contract Creator.

### PURCHASE ORDER CREATOR

This user group will be raising Purchase Orders against contract, SOW or directly against vendors. They will be inputting quantities against the line items declared in SOW and Contracts, if they are raising this PO against Contract/SOW. In other cases they will be declaring the line items with their quantities, rate, HSN/SAC code, group etc. They will also be responsible for modifying and short closing the Purchase Orders. The Purchase Orders can be short closed in Bulk, can be individually short closed, or it can be short closed partially too, depending upon its requirement.

### PURCHASE ORDER APPROVER

Whenever Purchase Order creator creates, modifies or shortcloses a PO the system doesn't reflect that immediately, the changes undergo an approval cycle, that can be different for different departments, which is defined by the Admin. Purchase Order Approvers will be giving **"approvals"** for Purchase Order related iterations and creation. The PO approvers also have an option to **"Reject"** the PO at all if they don't find it relevant or they can **"Reconsider"** if they find some sort of small glitches which have to be corrected by the Purchase Order Creator.

### VENDOR

These user groups are the businesses with whom the company is having contracts and against which the PO are generated. Whenever PO is generated and it completes its approval cycle, it is then sent to the vendor, who sees the products and services that have to be delivered on a specific date or during a service period. If it is doable for him he "Accepts" the purchase order and it he has some sort of issues with the completion of the Purchase Order he "Raises a Dispute" against it with a message stating his issue, which then goes to the PO Creator where they do the necessary changes and then the PO undergoes the approval cycle again.

### ADMIN

Admin is responsible for the role allocations in the entire systems, he decides the level of authority. He decides how many approvers does each department require and who all are approvers for specific departments. It also declares which all scenarios require approval from the finance or legal departments.

User Groups	Functions
Contract Creator	Can create, modify, extend and short close SOW and Contracts
Contract Approver	Contract Approver: will be providing approval to any action done by the contract creator.
PO Creator	PO Creator: will be creating PO against existing contracts/SOW, modifying and short closing them
PO Approver	PO Approver: will be providing approval to any action done by the PO creator.
Admin	Manage the configurations and masters
Vendor	Vendor: Will be accepting or raising a dispute against the PO, and then delivering the order.

Table 1: User groups division and their functions

### 3.2 User Flows

The following are the user flows for different set of actions performed by different set of user groups



Figure 5: User Flow- Contract Creation

Contract Approval Proce	ss Flow	(>	Sequential		
Contract For Approval	Approve	·>	Parallel		
_	Reject	$\longrightarrow$	Reason for Rejecti	ion	
	Reconsider	$\longrightarrow$	Reason for Reconside	eration	Back to Contract Creator for resubmission

Figure 6: User Flow: Contract Approval

Contract Resubmiss	sion Process Flow			
Reconsidered Contract	Edit Contract	Submit	>	Contract Approval
	Reject	Reason for Rejection		

Figure 7: User Flow- Contract Resubmission

Contract type     Department     Contract Value     Period From     Period To     Remarks     Attach file     Sub Contract copy	Add Subcontract Process Flow Select Vendor Vendor Vendor	V Add Sub Contract ( SOW ) Details: • Sub Contract Name	Add Line Item: • Service item group • Service Item Name	Submit	> Contract Approva
Period From Variable )     Period To      Remarks     Attach file		Contract type	Description		
Remarks     Remark     Attach file		Contract Value			

Figure 8: User Flow-Add Statement of Work

Contract Modifi	cation Process Flow							
Select Vendor	Select Existing Contract	> Modify Sub Contract		Header: • Time Period • Contact Value • T&C (text)	$\rightarrow$	Submit	>	Contract Approval
			$\hookrightarrow$	Remarks Line Item				
				<ul><li>Rate type</li><li>Rate</li></ul>				
				<ul><li>Disable Line item</li><li>Add line item</li></ul>				

Figure 9: User Flow- Contract/SOW Modification

Contract Foreclos	sure Process Flow			
Select Vendor —	Select Existing Contract	Contract Foreclosure	Give Reason     Add Attachment	Contract Approval
		Sub Contract Foreclosure	Give Reason     Add Attachment	;

Figure 10: User Flow- Contract/SOW Foreclosure

Contract Renewal Process Flow	
Select Vendor> Select Existing Contract> Renewal	Main Contract Change time period> Contract Approval
** Auto reminders based:	Sub Contract
<ul> <li>On predefined no. of days</li> <li>Minimum threshhold value( in % or value)</li> <li>Run Rate Rule</li> </ul>	

Figure 11: User Flow- Contract Renewal

Raise PO Process Flow										
Select Vendor	Select Existing Contract	$\longrightarrow$	Raise PO	Ì,	Header: • Period from • Period To • Etc. Line Items • Quantity • GST Code/Rate( at buyer end) • Remark	ſ	Submit	$\longrightarrow$	PO approval	

Figure 12: User Flow - Raise Purchase Order

PO Approval Pro	cess Flow		
PO for approval	$\longrightarrow$	Approve	$\longrightarrow$ ERP PR number update $\longrightarrow$ ERP PO number update $\longrightarrow$ Vendor PO Acceptance
	$\hookrightarrow$	Reject	Reason for Rejection
	$\smile$	Reconsider	Reason for Reconsideration Back to PO Creator for Resubmission

Figure 13:User Flow- PO Approval Process

### **Concept 1: How independent is SOW from Contract (Diagram)**

After the creation of the contract, SOW will be treated as independent entities.



Figure 14: Contract after approval



Figure 15: Contract after one of its SOW undergoes modification



Figure 16: Contract after its modified SOW's are approved and rejected



### **Concept 2: Versioning of Contracts/SOW Modification**

Figure 17: Versioning of Contract and SOW explaination

Explaining whenever a modification is done, a new version is created, which is not replaced, unless and until it has been approved by all the approvers. And users will be able to access the older versions through reports sections.

# Chapter 4 **INFORMATION ARCHITECTURE**

4.1 Contract Creator

## 4.2 Contract Approver

### 4.3 Contract Viewer

## 4.4 Purchase Order Creator

## 4.5 Purchase Order Approver

## 4.6 Purchase Order Viewer

### 4.7 Vendor

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# Chapter 5 HIGH FIDELITY UI SCREENS

# 5.1 Contract Creator's UI

#### **5.1.1 Contract Creation**

The lengthy flow is divided into different sections to avoid information overload.

Contract creation is a 4 step process:

- 1. Selecting vendor
- 2. Adding contract header level details
- 3. Adding SOW(can be done manually, can be done via excel/can be copied from existing SOW)
- 4. Preview and create Contract

	Contract Details > (3) Statement	of Work Details > ④ Preview				estated by	
Vendor List		Q Search					V
Vendor Name and Code 🗸	Site Name and Site Code	GST	BU	Used Value	Value	Configural	ole Fie
Big Kahuna Burger Ltd. VID_1234567890	Jaisalmer, Rajasthan SID_1234567890	AAAAA-AA-88-8888888	Data	₹ 9,00,000	₹13,00,000	Data	
Binford Ltd. VID_1234567890	Barnala, Punjab SID_1234567890	AAAAA-AA-88-8888888	Data	₹ 9,00,000	₹13,00,000	Data	
Biffco Enterprises Ltd. Sub	Mamit, Mizoram SID_1234567890	AAAAA-AA-88-8888888	Data	₹9,00,000	₹13,00,000	Data	
Biffco Enterprises Ltd. VID_1234567890	Champhai, Mizoram SID_1234567890	AAAAA-AA-88-8888888	Data	₹ 9,00,000	₹13,00,000	Data	
Barone LLC. VID_1234567890	Tarn Taran, Punjab SID_1234567890	AAAAA-AA-88-8888888	Data	₹ 9,00,000	₹13,00,000	Data	
Big Kahuna Burger Ltd. VID_1234567890	Balasore, Orissa SID_1234567890	AAAAA-AA-88-8888888	Data	₹ 9,00,000	₹13,00,000	Data	
Acme Co. VID_1234567890	<b>Ganjam, Orissa</b> SID_1234567890	AAAAA-AA-88-8888888	Data	₹9,00,000	₹13,00,000	Data	
Abstergo Ltd. VID_1234567890	Mokokchung, Nagaland SID_1234567890	AAAAA-AA-88-8888888	Data	₹ 9,00,000	₹13,00,000	Data	
Big Kahuna Burger Ltd. VID_1234567890	Pathankot, Punjab SID_1234567890	AAAAA-AA-88-8888888	Data	₹ 9,00,000	₹13,00,000	Data	
View 10 V Items Per Page		1 - 10 out of 100			1 2 3	4 5	(

Figure 25: Contract Creation, Vendor Selection UI

Table Column ViewXOnly 6 fields can be displayed at once
Visible
<ul> <li>Contract</li> </ul>
Vendor Name and Code
Stage
<ul><li>Value</li></ul>
Oreated On
Ourrent TAT
O Total TAT
Hidden
🗞 Site Name & Code
🗞 Legal Entity
🗞 Config Field 1
Apply

For better flexibility of the columns that have to be used in any table a drawer has been given for user to select the relevant columns as per their requirement, making the design adaptable to all the users.

Figure 26: Contract Creation, Vendor Selection, Selection Drawer

≡	MND.			Uvek Rawat Vivek Rawat Vivek Rawat
믱	< 1 Select Vendor > 2 Contract D	Details > ③ Statement of Work Details >	(4) Preview	Cancel Save as Draft Next →
() () () () () () () () () () () () () (	Vendor Details     ID:       Cosmo Infrasolution is a of Vendo       Gurugram Office • 090909012       GST: AAAAA-AA-88-8888888	V/23424325 r		
₽ ₽	New Contract Details			
di -	Contract Name	Legal Entity	Period From	Period To
	ABC Contract	Azura Infographics 🗸	20/10/2020	20/10/2024
	Attribute 1	Attribute 2	Attribute 3	Attribute 4
	Place holder	Place holder	Place holder	Place holder
	Remarks		Attachments	
	Amet minim mollit non deserunt ullamco consequat duis enim velit mollit. Exercitat	est sit aliqua dolor do amet sint. Velit officia ion veniam consequat sunt nostrud amet.	+	

Figure 27: Contract Creation, Contract Details UI

	Select Vendor > 2 Contract	Details >  Stateme	ent of Work Details >	4 Preview			Cance	Save as Draft	Ν
Cor ID: V	tract Details <b>htract Name</b> //23424325 25 Dec, 2022 - 25 Dec, 2023 (1 yr) al Entity: <b>HRX * 3</b> SOW		₹ 4,4	4,64,28,000	Cos ID: V	or Details <b>mo Infrasolu</b> /23424325 Surugram Office AAAAA-AA-88-8		dor	
Nev	w SOW							Сор	py S
Title	2	Department		Sub-Departm	nent		Туре		
Gr	een Energy System Installation	Mechanical	~	Environmen	ntal		✓ Type AE	3C	
Perio	od From	Period To		Category			Value Typ	be	
20	0/10/22021	20/10/2025	Ë	Category P			✓ Composition	site	
Payr	ment Terms	Attribute 1		Attribute 2			Attribute	3	
25	5 Days 🗸	Place holder		Place holde	r		Place h	older	
Attri	ibute 4	Attribute 5							
	ace holder	Place holder							
0	Escalation								
				Encolation					
Esca 10	alation Percentage	Escalation Date 20/10/2024	Ë	Escalation Re Amet minim		non deserunt ull	amco est sit aliqua	dolor do amet sint. Velit d	offi
	narks			Attachments					
Line	e Items			6-		+	Upload via	Excel Add 10	0
							0		
1	Name and Group	HSN/SAC	UOM kg V	Type Blanket	~	Rate	Quantity N/A	Amount ₹11,11,12,500	
				Diamet					
	Description							,,,,	
	Description Amet minim mollit non			Remarks Amet minim	n mollit	non			
	Amet minim mollit non			Remarks Amet minim	n mollit	non			
2	Amet minim mollit non Name and Group	HSN/SAC	UOM	Remarks Amet minim Type	n mollit	non			
2	Amet minim mollit non Name and Group Line Item 1	12345678		Remarks Amet minim Type Slab		non			
2	Amet minim mollit non Name and Group		UOM	Remarks Amet minim Type			Amount ₹1,00,000		
2	Amet minim mollit non Name and Group Line Item 1 Based On Amount Rate	12345678 Rate	UOM	Remarks Amet minim Type Slab Quantity	<ul><li></li><li></li><li></li></ul>		Amount		ť
2	Amet minim mollit non Name and Group Line Item 1 Based On	12345678 Rate N/A N/A	UOM	Remarks Amet minim Type Slab Quantity 0 51	<ul> <li></li> <li></li></ul>	50 150	Amount ₹1,00,000 ₹2,00,000		ť
2	Amet minim mollit non Name and Group Line Item 1 Based On Amount ORate Amount Rate Amount Rate	12345678           Rate           N/A           N/A           N/A	UOM	Remarks Amet minim Type Slab Quantity 0 51 151	<ul> <li></li> <li></li></ul>	50 150 251	Amount ₹1,00,000 ₹2,00,000 ₹1,50,000		ť
2	Amet minim mollit non Name and Group Line Item 1 Based On Amount Rate Amount Rate	12345678 Rate N/A N/A	UOM kg v	Remarks Amet minim Type Slab Quantity 0 51 151 251	<ul> <li></li> <li></li></ul>	50 150 251	Amount ₹1,00,000 ₹2,00,000		ť
2	Amet minim mollit non Amet minim mollit non Name and Group Line Item 1 Based On Amount Amount Amount Amet Amount Amount Amete Amount Amount Amete	12345678           Rate           N/A           N/A           N/A	UOM kg v	Remarks Amet minim Type Slab Quantity 0 51 151 251	<ul> <li></li> <li></li></ul>	50 150 251	Amount ₹1,00,000 ₹2,00,000 ₹1,50,000		ť
2	Amet minim mollit non Name and Group Line Item 1 Based On Amount ORate Amount Rate Amount Rate	12345678           Rate           N/A           N/A           N/A	UOM kg v	Remarks Amet minim Type Slab Quantity 0 51 151 251		50 150 251 Value	Amount ₹1,00,000 ₹2,00,000 ₹1,50,000		
2	Amet minim mollit non Amet minim mollit non Name and Group Line Item 1 Based On Amount  Amount  Amet Amount  Rate Amount  Rate Amount  Rate Description	12345678           Rate           N/A           N/A           N/A	UOM kg v	Remarks Amet minim Type Slab Quantity 0 51 51 151 251 dd Slab Remarks		50 150 251 Value	Amount ₹1,00,000 ₹2,00,000 ₹1,50,000		ť
2	Amet minim mollit non  Amet minim mollit non  Name and Group  Line Item 1  Based On  Amount Rate  Amount Rate  Amount Rate  Description Amet minim mollit non  Name and Group	12345678 Rate N/A N/A N/A ₹ 2,500	UOM kg ~	Remarks Amet minim Type Slab Quantity 0 51 151 251 151 251 dd Slab Remarks Amet minim		50 150 251 Value	Amount ₹1,00,000 ₹2,00,000 ₹1,50,000 Value Quantity	Amount	ť
2	Amet minim mollit non  Amet minim mollit non  Name and Group  Line Item 1  Based On  Amount Rate  Amount Rate  Amount Rate  Description Amet minim mollit non  Name and Group Line Item 1	12345678 Rate N/A N/A N/A ₹ 2,500	UOM kg ~	Remarks Amet minim Type Slab Quantity 0 51 151 251 151 251 dd Slab Remarks Amet minim		50 150 251 Value	Amount ₹1,00,000 ₹2,00,000 ₹1,50,000 Value		ť
	Amet minim mollit non  Amet minim mollit non  Name and Group Line Item 1  Based On  Amount Rate  Amount Rate  Amount Rate  Description Amet minim mollit non  Name and Group Line Item 1  Description	12345678 Rate N/A N/A N/A ₹ 2,500	UOM kg ~	Remarks Amet minim Type Slab Quantity 0 51 51 151 251 dd Slab Remarks Amet minim Type Rate Remarks	<ul> <li>✓</li> <li>↔</li> <li>↔</li> <li>↔</li> <li>n mollit</li> <li>✓</li> </ul>	50 150 251 Value non Rate ₹1,00,000	Amount ₹1,00,000 ₹2,00,000 ₹1,50,000 Value Quantity	Amount	ť
	Amet minim mollit non  Amet minim mollit non  Name and Group  Line Item 1  Based On  Amount Rate  Amount Rate  Amount Rate  Description Amet minim mollit non  Name and Group Line Item 1	12345678 Rate N/A N/A N/A ₹ 2,500	UOM kg ~	Remarks Amet minim Type Slab Quantity 0 51 51 151 251 251 251 dd Slab Remarks Amet minim	<ul> <li>✓</li> <li>↔</li> <li>↔</li> <li>↔</li> <li>n mollit</li> <li>✓</li> </ul>	50 150 251 Value non Rate ₹1,00,000	Amount ₹1,00,000 ₹2,00,000 ₹1,50,000 Value Quantity	Amount	ť
	Amet minim mollit non  Amet minim mollit non  Name and Group Line Item 1  Based On  Amount Rate  Amount Rate  Amount Rate  Description Amet minim mollit non  Name and Group Line Item 1  Description	12345678 Rate N/A N/A N/A ₹ 2,500	UOM kg ~	Remarks Amet minim Type Slab Quantity 0 51 51 151 251 dd Slab Remarks Amet minim Type Rate Remarks	<ul> <li>✓</li> <li>↔</li> <li>↔</li> <li>↔</li> <li>n mollit</li> <li>✓</li> </ul>	50 150 251 Value non Rate ₹1,00,000	Amount ₹1,00,000 ₹2,00,000 ₹1,50,000 Value Quantity	Amount	ť
	Amet minim mollit non  Amet minim mollit non  Name and Group  Line Item 1  Based On  Amount Rate  Amount Rate  Amount Rate  Amount Rate  Description Amet minim mollit non  Name and Group Line Item 1  Description Amet minim mollit non  Name and Group Line Item 1  Description Amet minim mollit non  Name and Group Line Item 1  Description Amet minim mollit non  Name and Group Line Item 1  Description Amet minim mollit non  Name and Group Line Item 1  Description Amet minim mollit non  Name and Group	12345678 Rate N/A N/A N/A ₹ 2,500 HSN/SAC 12345678	UOM kg ~ UOM kg ~	Remarks Amet minim Type Slab Quantity 0 51 151 251 dSlab Remarks Amet minim Type Rate Remarks Amet minim	<ul> <li>✓</li> <li>↔</li> <li>↔</li> <li>↔</li> <li>n mollit</li> <li>✓</li> </ul>	50 150 251 Value non Rate ₹ 1,00,000	Amount ₹1,00,000 ₹2,00,000 ₹1,50,000 Value Quantity N/A	Amount N/A	
3	Amet minim mollit non  Amet minim mollit non  Amet minim mollit non  Amount Amount Amount Amount Amount Amount Amet minim mollit non  Name and Group Line Item 1  Description Amet minim mollit non  Name and Group Line Item 1  Description Amet minim mollit non  Name and Group Line Item 1  Description	12345678 Rate N/A N/A N/A ₹ 2,500 HSN/SAC	UOM kg v UOM kg v	Remarks Amet minim Type Slab Quantity 0 51 151 251 dd Slab Remarks Amet minim Type Rate Remarks Amet minim		50 150 251 Value non Rate ₹1,00,000 Rate ₹1,000	Amount ₹ 1,00,000 ₹ 2,00,000 ₹ 1,50,000 Value Quantity N/A	Amount N/A	
3	Amet minim mollit non Amet minim mollit non Amet minim mollit non Amount Amount Amount Amount Amount Amount Amount Amet minim mollit non Name and Group Line Item 1 Description Amet minim mollit non Name and Group Line Item 1	12345678 Rate N/A N/A N/A ₹ 2,500 HSN/SAC	UOM kg v UOM kg v	Remarks Amet minim Type Slab Quantity 0 51 151 251 dd Slab Remarks Amet minim Type Rate Remarks Amet minim		50 150 251 Value non Rate ₹1,00,000 Rate ₹1,000	Amount ₹ 1,00,000 ₹ 2,00,000 ₹ 1,50,000 Value Quantity N/A	Amount N/A	

Figure 28: Contract Creation, Statement of Work Details Input UI



Figure 29: Contract Creation, Contract Details Preview

#### **5.1.2 Contract Tables**

All the contracts and statement of work has been segregated into 4 tabs, Pending, Draft Inprocess, Approved and All.

Pending <sup>3</sup> Draft Inproce	ess Approved All	Q Search	sow 🗸 🔽 c	reate SOW
SOW Title	Contract	Vendor Name and Code	Department	Created
Physical Security Consultatio SID_1234567890	Contract Name 2 CID_1234567890	Big Kahuna Burger Ltd. VID_1234567890	Finance	18/09/2
Uniform and Apparel Design SID_1234567890	Contract Name 4 CID_1234567890	Binford Ltd. VID_1234567890	Laundry	15/08/2
Wireless Network Installation SID_1234567890	Contract Name 15 CID_1234567890	Biffco Enterprises Ltd. Sub	Houseman	07/05/2
Solar Panel Installation SID_1234567890	Contract Name 7 CID_1234567890	Biffco Enterprises Ltd. VID_1234567890	Sales and Marketing	28/10/2
Landscape Lighting Installatio SID_1234567890	Contract Name 3 CID_1234567890	Barone LLC. VID_1234567890	Management	16/08/2
Catering and Event Supplies SID_1234567890	Contract Name 6 CID_1234567890	Big Kahuna Burger Ltd. VID_1234567890	Legal	28/10/2
Industrial Cleaning and SID_1234567890	Contract Name 16 CID_1234567890	Acme Co. VID_1234567890	Housekeeping management	15/08/2
Kitchen Renovation and SID_1234567890	Contract Name 10 CID_1234567890	Abstergo Ltd. VID_1234567890	Restaurant Management	16/08/2
Building Construction and SID_1234567890	Contract Name 5 CID_1234567890	Big Kahuna Burger Ltd. VID_1234567890	IT	12/06/2
View 10 🗸 Items Per Page		1 - 10 ou	t of 100 1 2	345

Figure 30: Statement of Work Table, Draft Tab

#### 5.1.3 Contract and Statement of Work View

These views show how the user will see the saved Contracts and Statement of Works

MMD.					Û0	VR	Vivek Rawat Manager	~
< View Contract				Info	SOW	PO	Invoices	:
Contract Details			Vendor Details					^
ID: V/23424325		₹ 4,44,64,28,000	ID: V/23424325		dor			
Legal Entity: HRX + 3 SOW			GST: AAAAA-AA-88-8888888					
Attribute 1 Value	Attribute 2 Value	Attribute 3 Value	Attribute 4 Value					
Remark Amet minim mollit non deserunt u enim velit mollit.	ıllamco est sit aliqua dolor do amet s	int. Velit officia consequat duis	Attachments					
	<ul> <li>View Contract</li> <li>Contract Details</li> <li>Contract Name • APPROVED</li> <li>ID: V/23424325</li> <li>25 Dec, 2022 - 25 Dec, 2023</li> <li>Legal Entity: HRX + 3 SOW</li> <li>Attribute 1</li> <li>Value</li> <li>Remark</li> </ul>	<ul> <li>✓ View Contract</li> <li>Contract Details</li> <li>Contract Name • (APPROVED)</li> <li>ID: V/23424325</li> <li>25 Dec, 2022 - 25 Dec, 2023 (1 yr)</li> <li>Legal Entity: HRX + 3 SOW</li> <li>Attribute 1</li> <li>Attribute 1</li> <li>Attribute 2</li> <li>Value</li> <li>Value</li> <li>Remark</li> </ul>	Contract Details     ₹ 4,44,64,28,000       ID: V/23424325     ₹ 4,44,64,28,000       ID: V/2342435     ₹ 5,000       ID: V/2342435     ₹ 5,000       ID: V/2342435     ₹ 5,000       ID: V/2342435     ₹ 5,000       ID: V/2342435     ₹ 5,000	✓ View Contract         Contract Details         Contract Name · (APPROVED)         ID: V/23424325         I2 5 Dec, 2022 - 25 Dec, 2023 (1 yr)         Legal Entity: HRX + 3 SOW         Attribute 1         Attribute 2         Value         Value         Attribute 3         Value         Attribute 3         Attribute 4         Value         Attribute 3         Attribute 4         Value         Attribute 5         Attribute 6         Value         Attribute 7         Value         Value	✓ View Contract     Info       Contract Details     Contract Name • (APPROVED)     ₹ 4,44,64,28,000       ID: V/23424325     ₹ 4,44,64,28,000     Cosmo Infrasolution is a of Ven       ID: V/23424325     ID: V/23424325     ID: V/23424325       ID: 25 Dec, 2022 - 25 Dec, 2023 (1 yr)     ID: V/23424325     ID: V/23424325       Legal Entity: HRX * 3 SOW     GST: AAAAA-AA-88-8888888       Attribute 1     Attribute 2     Attribute 3       Value     Value     Value       Remark     Attribute 3     Attribute 4	✓ View Contract     Info     SOW       Contract Details     Contract Name • (APPROVED)     ₹ 4,44,64,28,000     Vendor Details       ID: V/23424325     ₹ 25 Dec, 2022 - 25 Dec, 2023 (1 yr)     Eg 5 Dec, 2022 - 25 Dec, 2023 (1 yr)     Eg Gurugram Office * 090909012       Legal Entity: HRX * 3 SOW     GST: AAAA-AA-88-8888888       Attribute 1     Attribute 2     Attribute 3     Attribute 4       Value     Value     Value     Value	✓ View Contract     Info     SOW     PO       Contract Details     Contract Name • (APPROVED)     ₹ 4,44,64,28,000     Vendor Details       ID: V/23424325     ₹ 4,44,64,28,000     ID: V/23424325     ID: V/23424325       ID: 25 Dec, 2022 - 25 Dec, 2023 (1 yr)     ID: V/23424325     ID: V/23424325       IE: 44,44,64,28,000     ID: V/23424325     ID: V/23424325       ID: V/23424325     ID: V/23424325	✓ View Contract     Info     SOW     PO     Invoices       Contract Details     Contract Name • (APPROVED)     ₹ 4,44,64,28,000     Vendor Details       ID: V/23424325     ₹ 4,44,64,28,000     ID: V/23424325     ID: V/23424325       ID: 25 Dec, 2022 - 25 Dec, 2023 (1 yr)     ID: V/23424325     ID: V/23424325       IE: 4.14,100     Attribute 2     Attribute 3     Attribute 3       Attribute 1     Attribute 2     Attribute 3     Attribute 4       Value     Value     Value     Value

Figure 31: Contract View, Approved

<	View SOW							
ID:	een Energy System Ins SOWID/23424325 25 Dec, 2022 - 25 Dec, 2023 process at Manmohan Singh fo	(1 yr) * Type Type 45 * Departm	nent 1 / Sub Dept 1					₹ 2,22,32,1
	egory tegory Type	Value Type Composite	Payment Terms 25 Days		Attribute 1 <b>Value</b>		Attribute 1 Value	
Att Val	ribute 1 <b>ue</b>	Attribute 2 Value	Attribute 3 Value		Attribute 4 <b>Value</b>		Attribute 5 <b>Value</b>	
Esc 109	calation Percentage %	Escalation Date 20/10/2020			Attachments			
Esc								
Am eni Rer	<b>m velit mollit.</b> mark	ullamco est sit aliqua dolor do ame ullamco est sit aliqua dolor do ame			enim velit mollit.	Containe Contained		
Am eni Rer Am	<b>m velit mollit.</b> mark	ıllamco est sit aliqua dolor do ame ıllamco est sit aliqua dolor do ame						
Am eni Rer Am	m velit mollit. <sup>mark</sup> et minim mollit non deserunt (	ullamco est sit aliqua dolor do amo		equat duis e		Rate	Qty	Amount
Am eni Rer Am	m velit mollit. <sup>mark</sup> let minim mollit non deserunt ( le Items	ullamco est sit aliqua dolor do amo	et sint. Velit officia conse	equat duis e	ırch	Rate ₹ 9,00,000	Qty N/A	<b>A</b> mount N/A
Am eni Rer Am Lin	m velit mollit. nark et minim mollit non deserunt o e Items Line Item Name and Code ~ Debt Service	Illamco est sit aliqua dolor do ame Group Name and Code Finance	et sint. Velit officia conse HSN/SAC	Q Sea UoM	arch Type			
Am eni Am Lin #	m velit mollit. mark tet minim mollit non deserunt t te Items Line Item Name and Code ~ Debt Service LID_1234567890 Books	Illamco est sit aliqua dolor do amo Group Name and Code Finance GID_1234567890 Accounting GID_1234567890 Front Desk	et sint. Velit officia conse HSN/SAC 12345678	equat duis e Q Sea UoM kg mtrs	Type Rate	₹ 9,00,000	N/A	N/A
Am eni Rer Am Lin # 1	m velit mollit. mark tet minim mollit non deserunt of te Items Line Item Name and Code ~ Debt Service LID_1234567890 Books LID_1234567890 Calenders LID_1234567890 Fleet Management	Illamco est sit aliqua dolor do amo Group Name and Code Finance GID_1234567890 Accounting GID_1234567890 Front Desk GID_1234567890 Management	et sint. Velit officia conso H5N/SAC 12345678 12345678	equat duis e Q Sea UoM kg mtrs unit	Type Rate Blanket	₹ 9,00,000 N/A	N/A N/A	N/A ₹13,00,000
Ameni Rer Am Lin # 1 2 3	m velit mollit. mark tet minim mollit non deserunt u ne Items Line Item Name and Code ~ Debt Service LID_1234567890 Books LID_1234567890 Calenders LID_1234567890	Illamco est sit aliqua dolor do amo Group Name and Code Finance GID_1234567890 Accounting GID_1234567890 Front Desk GID_1234567890	et sint. Velit officia conse HSN/SAC 12345678 12345678 12345678	equat duis e Q Sea UoM kg mtrs unit	Type Rate Blanket Regular	₹9,00,000 N/A ₹900	N/A N/A 1,000	N/A ₹13,00,000 ₹9,00,000
Ameni Rer Am Lin # 1 2 3	m velit mollit. mark tet minim mollit non deserunt of te Items Line Item Name and Code ~ Debt Service LID_1234567890 Books LID_1234567890 Calenders LID_1234567890 Fleet Management	Illamco est sit aliqua dolor do amo Group Name and Code Finance GID_1234567890 Accounting GID_1234567890 Front Desk GID_1234567890 Management	et sint. Velit officia conse HSN/SAC 12345678 12345678 12345678	equat duis e Q Sea UoM kg mtrs unit	Type Rate Blanket Regular	₹9,00,000 N/A ₹900 N/A	N/A N/A 1,000 0 - 50	N/A ₹13,00,000 ₹9,00,000 ₹1,00,000
Ameni Rer Am Lin # 1 2 3	m velit mollit. mark tet minim mollit non deserunt of te Items Line Item Name and Code ~ Debt Service LID_1234567890 Books LID_1234567890 Calenders LID_1234567890 Fleet Management	Illamco est sit aliqua dolor do amo Group Name and Code Finance GID_1234567890 Accounting GID_1234567890 Front Desk GID_1234567890 Management	et sint. Velit officia conse HSN/SAC 12345678 12345678 12345678	equat duis e Q Sea UoM kg mtrs unit	Type Rate Blanket Regular	₹9,00,000 N/A ₹900 N/A N/A	N/A N/A 1,000 0 - 50 51 - 150	N/A ₹13,00,000 ₹9,00,000 ₹1,00,000 ₹2,00,000

Figure 32: Statement of Work View, Inprocess

#### 5.1.4 Contract and Statement of Work Foreclosure and Time extension

A dialog box pops up with an input of foreclosure date or the extension date, along with the reason

Are you sure you wa approvals will be di permanently remov This is your last SO make your Contract	sregarded an ed. <mark>N under "Cor</mark>	d the reque	
Existing Time Period 25/10/2019 - 25/10/3	2026		
Foreclosure Date			
Foreclosure Date 20/10/2023	Ë		
20/10/2023			
Foreclosure Date 20/10/2023 Reason for Foreclosur Please enter the rea	e	sure	

Figure 33: Statement of Work, Foreclosure Dialog Box

#### 5.1.5 Contract and Statement of Work Modification

Post approval the user is allowed to do modifications to the contract or the statement of Work. Modification might even be required in the case when the contract has been reconsidered by the Contract Approver.

<	Modify SOW							Cancel S	Sav
Title		Department Mechanical	~	Sub-Departm Environmer			Type		
G	een Energy System Installation	Mechanicat	•	Environmen	Ital		Туре АВС		
Peri	od From	Period To		Category			Value Type		
20	/10/22021	20/10/2025	Ë	Category P			✓ Composit	te	
Payr	ment Terms	Attribute 1		Attribute 2			Attribute 3		
25	Days 🗸	Place holder		Place holde	r		Place hole	der	
0.44	ihuda d	Astribute E							
	ibute 4 ace holder	Attribute 5 Place holder							
0	Escalation								
Esca	alation Percentage	Escalation Date		Escalation Re	emark				
10	%	20/10/2024	Ë	Amet minim	n mollit n	on deserunt ulla	imco est sit aliqua de	olor do amet sint. Velit o	offi
Line	9 Items			0-		+	Upload via E	ixcel Add 10	0
	Name and Group	HSN/SAC	UOM	Туре	R	ate	Quantity	Amount	
1	Line Item 1	12345678	kg			N/A	N/A	₹ 11,11,12,500	
	Description			Remarks					
	Amet minim mollit non			Amet minim	n mollit n	on			
	Name and Group	HSN/SAC	UOM	Туре					
2	Line Item 1	12345678	kg	Slab	~				
	Based On	Rate		Quantity			Amount		
	O Amount O Rate	N/A		0	↔	50	₹ 1,00,000		
	O Amount O Rate	N/A		51	↔	150	₹ 2,00,000		
	Amount Rate	N/A		151	↔	251	₹ 1,50,000		
	Amount O Rate	₹ 2,500		251	↔	Value	Value		
			+ A	dd Slab					
	Description			Remarks					
	Amet minim mollit non			Amet minim	n mollit n	on			
			UOM	Туре	R	ate	Quantity	Amount	
	Name and Group	HSN/SAC				₹1,00,000	N/A	N/A	
3	Name and Group	HSN/SAC		Rate	~				
3	Line Item 1				<b>~</b>				
3	Line Item 1 Description			Remarks		on			
3	Line Item 1					on			
3	Line Item 1 Description			Remarks	n mollit n	on late	Quantity	Amount	
3	Line Item 1 Description Amet minim mollit non Name and Group	12345678	kg	Remarks Amet minim Type	n mollit n		Quantity	Amount ₹11,11,00,000	
	Line Item 1 Description Amet minim mollit non Name and Group	12345678 HSN/SAC	kg VOM	Remarks Amet minim Type	n mollit n	ate			
	Line Item 1 Description Amet minim mollit non Name and Group Line Item 1	12345678 HSN/SAC	kg VOM	Remarks Amet minim Type Rate	n mollit n	ate ₹1,000			
	Line Item 1 Description Amet minim mollit non Name and Group Line Item 1 Description	12345678 HSN/SAC	kg VOM	Remarks Amet minim Type Rate Remarks	n mollit n	ate ₹1,000			

Figure 34: Contract Modification

#### 5.1.6 Activity Pane

This drawer slides whenever the user needs to communicate, it maintains the activity trail of the contract and can be accessed at any point of time.



#### **5.2.1 Contract/Statement of Work Tables**

All the contracts and statement of work has been segregated into 5 tabs, Pending, Inprocess, Approved and All.

Pending 🜖 Inprocess Ap	proved All		Q Searc	h		so	w 🗸	V	)(
SOW Title	Vendor Name and Code	Department	Created By $\checkmark$	Approval For	Stage	Value	Time Period	My TAT	Tota TA
Physical Security Consultatio SID_1234567890	Big Kahuna Burger Ltd. VID_1234567890	Finance	Govind Bhate On 20/10/20	Eoreclosure	L1	₹ 32,32,895	From: 15/08/2017 To: 15/08/2019	1	
Uniform and Apparel Design SID_1234567890	Binford Ltd. VID_1234567890	Laundry	Baya Seth 0n 20/10/20	Submission	L2	₹ 32,32,895	From: 15/08/2017 To: 15/08/2019	2	
Wireless Network Installation SID_1234567890	Biffco Enterprises Ltd. Sub	Houseman	Govind Kapa 0n 20/10/20	Modification	L3	₹ 32,32,895	From: 15/08/2017 To: 15/08/2019	1	
Solar Panel Installation SID_1234567890	Biffco Enterprises Ltd. VID_1234567890	Sales and Marketing	Susika Dalav On 20/10/20		Legal	₹ 32,32,895	From: 15/08/2017 To: 15/08/2019	5	
Landscape Lighting Installatio SID_1234567890	Barone LLC. VID_1234567890	IT	Chanda Vad     On 20/10/20	Submission	L3	₹ 32,32,895	From: 15/08/2017 To: 15/08/2019	3	
Catering and Event Supplies SID_1234567890	Big Kahuna Burger Ltd. VID_1234567890	Legal	Waazir Padh On 20/10/20	Submission	L3	₹ 32,32,895	From: 15/08/2017 To: 15/08/2019	4	
Industrial Cleaning and SID_1234567890	Acme Co. VID_1234567890	Sales and Marketing	Bhima Podda On 20/10/20	Submission	L3	₹ 32,32,895	From: 15/08/2017 To: 15/08/2019	1	
Kitchen Renovation and SID_1234567890	Abstergo Ltd. VID_1234567890	IT	Anguri Ashtekar On 20/10/20	Submission	L3	₹ 32,32,895	From: 15/08/2017 To: 15/08/2019	2	
Building Construction and SID 1234567890	Big Kahuna Burger Ltd. VID 1234567890	IT	Baibhav 0n 20/10/20	Submission	L3	₹ 32,32,895	From: <b>15/08/2017</b> To: <b>15/08/2019</b>	7	

Figure 35: Statement of Work Table, Pending Tab

#### 5.2.2 Contract/Statement of Work Detailed View

Contracts / statement of work detailed view where the approver get an options to:

- Approve
- Reconsider
- Reject

<	View SOW					Rej	ect Reconside	Approve	-
ID:	een Energy System Instal SOWID/23424325 25 Dec, 2022 - 25 Dec, 2023 (1		ent 1 / Sub Dept 1					₹ 2,22,32,14	4,(
		Value Type Composite	Payment Terms 25 Days		Attribute 1 Value		Attribute 1 Value		
Attr Valı		Attribute 2 Value	Attribute 3 Value		Attribute 4 Value		Attribute 5 Value		
109	% : alation remark	Escalation Date 20/10/2020			Attachmen	ts	1		
Am enii Ren	et minim mollit non deserunt ulla m velit mollit. nark				and the second				
Am enii Ren Am	m velit mollit.								Ĵ
Am enii Ren Am	m velit mollit. <sup>nark</sup> et minim mollit non deserunt ulla			quat duis (		Rate	Qty	Amount	) (
Am enii Ren Am	m velit mollit. nark et minim mollit non deserunt ulla e Items	mco est sit aliqua dolor do ame	sint. Velit officia conse	equat duis o	arch	Rate ₹9,00,000	Qty N/A	Amount N/A	)
Am enii Ren Am	m velit mollit. mark et minim mollit non deserunt ulla e Items Line Item Name and Code ~ Debt Service	mco est sit aliqua dolor do amer Group Name and Code Finance	sint. Velit officia conse HSN/SAC	Q Sea	arch Type				
Am enii Ren Am Lin # 1	m velit mollit. mark et minim mollit non deserunt ulla e Items Line Item Name and Code Debt Service LID_1234567890 Books	mco est sit aliqua dolor do amen Group Name and Code Finance GID_1234567890 Accounting	sint. Velit officia conse HSN/SAC 12345678	Q Sea UoM kg	Type Rate	₹9,00,000	N/A	N/A	
Amenii Ren Am Lin # 1 2	m velit mollit. mark et minim mollit non deserunt ulla e Items Line Item Name and Code ~ Debt Service LID_1224567890 Books LID_1224567890 Calenders	mco est sit aliqua dolor do amer Group Name and Code Finance GID_1234567890 Accounting GID_1234567890 Front Desk	sint. Velit officia conse HSN/SAC 12345678	Q Sea UoM kg mtrs unit	Type Rate Blanket	₹ 9,00,000 N/A	N/A N/A	N/A ₹13,00,000	
Am enii Ren Am Lin 1 2 3	m velit mollit. mark et minim mollit non deserunt ulla e Items Line Item Name and Code Debt Service LID_1234567890 Books LID_1234567890 Calenders LID_1234567890 Fleet Management	mco est sit aliqua dolor do amen Group Name and Code Finance GID_1234567890 Accounting GID_1234567890 Front Desk GID_1234567890 Management	sint. Velit officia conse HSN/SAC 12345678 12345678 12345678	Q Sea UoM kg mtrs unit	Type Rate Blanket Regular	₹9,00,000 N/A ₹900	N/A N/A 1,000	N/A ₹13,00,000 ₹9,00,000	
Am enii Ren Am Lin 1 2 3	m velit mollit. mark et minim mollit non deserunt ulla e Items Line Item Name and Code Debt Service LID_1234567890 Books LID_1234567890 Calenders LID_1234567890 Fleet Management	mco est sit aliqua dolor do amen Group Name and Code Finance GID_1234567890 Accounting GID_1234567890 Front Desk GID_1234567890 Management	sint. Velit officia conse HSN/SAC 12345678 12345678 12345678	Q Sea UoM kg mtrs unit	Type Rate Blanket Regular	₹9,00,000 N/A ₹900 N/A	N/A N/A 1,000 0 - 50	N/A ₹13,00,000 ₹9,00,000 ₹1,00,000	

Figure 36: View statement of Work, Submitted View

#### **5.2.3 Approval Dialog Box**

The following dialog box opens and comes with a default approval message which can be edited.

	"~~~~	4004545000
Are you sure you want to a	ipprove "SOW Na	me 12345678"?
Approval Note		
This SOW has been Approve		

Figure 37: Approval Dialog Box

#### **5.2.4 Reconsider Dialog Box**

The following dialog box opens and which asks to whom do you want to reconsider along with your reason for reconsideration. You also get an option to not start the Approval process rather directly redirect it to you after changes.

		5678"?
econsider 2		
Contract Creator		~
eason for Reconsideration		
Please enter the reason for	Reconsidering the SOW.	
Restart the Approval Proc		0
itter resubmission the SOW v	vill directly move to my stage	e
fter resubmission the SOW v		e
	Cancel Reco	onsider SOW

Figure 38: Reconsider Dialog Box

### 5.2.5 Approval Dialog Box

The following

Reject SOW		
Are you sure you want to rejec	t "SOW Name 1	2345678"?
Reason for Rejecting		
Please enter the reason for Rejec	cting the SOW.	
	Cancel	Reject SOW

Figure 39: Approval Dialog Box

#### 5.2.6 Comparison view between versions.

When there are some modifications done in Contract or SOW and it is sent for Approval, the approver gets a comparison view where he can compare the modifications with the past versions, helping him the approval cycle.

≡	MMND			💭 VR Vivek Rawat 🗸 Manager
88	< View Rejected Changes			:
(i) (i) (i)	Green Energy System Install ID: SOWID/23424325 Modified By Manish Mishra + On 20 Oct, 2021 Amet minim mollit non deserunt u	ation/V4 - 🔗	at duis enim velit	View all Attributes O
Ä		Existing SOW		Rejected Changes
di	Sub Department	Sub Department 1	<b>→</b>	Sub Department 1
	Payment Terms	25 Days	<b>&gt;</b>	25 Days
	4 Line Items	C	Search	7
	#1 • Line Item Name 1 • ID: SO	WID/23424325		
		Existing SOW		Rejected Changes
	Group	Regular	<b>→</b>	Regular
	Description	Amet Amet minim mollit non deserunt ullamco est sit ali dolor do amet sint. Velit officia consequat duis enim velit		Amet Amet minim mollit non deserunt ullamco est sit aliqua dolor do amet sint. Velit officia consequat duis enim velit mollit.
	# 2 · Line Item Name 1 · ID: SO	WID/23424325		
		Existing SOW		Rejected Changes
	Group	Regular	÷	Regular
	Description	Amet Amet minim mollit non deserunt ullamco est sit ali dolor do amet sint. Velit officia consequat duis enim velit		Amet Amet minim mollit non deserunt ullamco est sit aliqua dolor do amet sint. Velit officia consequat duis enim velit mollit.
	#1 • Line Item Name 1 • ID: SO	WID/23424325 • NEW		
		Existing SOW		Rejected Changes
	Group			Group 1/ ID1234567890
	Description	-		Amet minim mollit
	UoM			kgg
	Value Type	-		Regular
	Rate			₹12,349
	Quantity	·		100 Value
	Amount Remark	-		Value Amet Amet minim mollit non deserunt ullamco est sit aliqua dolor do amet sint. Velit officia consequat duis enim velit mollit.

Figure 40: Comparison view of modifies changes

#### **5.3.1 Purchase Order Creation**

The lengthy flow is divided into different sections to avoid information overload.

Purchase Order creation is a 4 step process:

- 1. Selecting vendor
- 2. Selecting Statement of work
- 3. Adding Quantities to line items
- 4. Adding Billing and shipping details

< 1 Select Vendor > 2	Select SOW > ③ Line Item Quan	tities > ④ PO Details > (	5) Preview			Cancel	N
Vendor List		Q Search					7
Vendor Name and Code 🗸	Site Name and Site Code	GST	BU	Used Value	Value	Configural	ole
Big Kahuna Burger Ltd. VID_1234567890	Jaisalmer, Rajasthan SID_1234567890	AAAAA-AA-88-8888888	Data	₹ 9,00,000	₹13,00,000	Data	
Binford Ltd. VID_1234567890	Barnala, Punjab SID_1234567890	AAAAA-AA-88-8888888	Data	₹ 9,00,000	₹13,00,000	Data	
Biffco Enterprises Ltd. Sub	Mamit, Mizoram SID_1234567890	AAAAA-AA-88-8888888	Data	₹9,00,000	₹13,00,000	Data	
Biffco Enterprises Ltd. VID_1234567890	Champhai, Mizoram SID_1234567890	AAAAA-AA-88-8888888	Data	₹9,00,000	₹13,00,000	Data	
Barone LLC. VID_1234567890	Tarn Taran, Punjab SID_1234567890	AAAAA-AA-88-8888888	Data	₹ 9,00,000	₹13,00,000	Data	
Big Kahuna Burger Ltd. VID_1234567890	Balasore, Orissa SID_1234567890	AAAAA-AA-88-8888888	Data	₹ 9,00,000	₹13,00,000	Data	
Acme Co. VID_1234567890	Ganjam, Orissa SID_1234567890	AAAAA-AA-88-8888888	Data	₹ 9,00,000	₹13,00,000	Data	
Abstergo Ltd. VID_1234567890	Mokokchung, Nagaland SID_1234567890	AAAAA-AA-88-8888888	Data	₹ 9,00,000	₹13,00,000	Data	
Big Kahuna Burger Ltd. VID_1234567890	Mokokchung, Nagaland SID_1234567890	AAAAA-AA-88-8888888	Data	₹ 9,00,000	₹13,00,000	Data	

Figure 41: Purchase Order Creation, Vendor Selection

< 1 Select Vendor > 2 S	Select SOW > ③ Line	Item Quantities > (4) PO Details > (5) Preview			Cancel Ne
SOW List	Q	Search		SOW	~ <b>Y</b>
SOW Title	Contract Title	Department	Available Value	Value	Time Per
Physical Security Consultatio SID_1234567890	Contract Name 2/V1 CID_1234567890	Finance	₹ 2,32,895	₹ 32,32,895	From: 15/08/20 To: 15/08/20
Uniform and Apparel Design SID_1234567890	Contract Name 4/V4 CID_1234567890	Laundry	₹ 2,32,895	₹ 32,32,895	From: 15/08/20 To: 15/08/20
Wireless Network Installation SID_1234567890	Contract Name 15 CID_1234567890	Houseman	₹2,32,895	₹ 32,32,895	From: 15/08/20 To: 15/08/20
Solar Panel Installation SID_1234567890	Contract Name 7 CID_1234567890	Sales and Marketing	₹ 2,32,895	₹ 32,32,895	From: 15/08/20 To: 15/08/20
Landscape Lighting Installatio SID_1234567890	Contract Name 3 CID_1234567890	Management	₹ 2,32,895	₹ 32,32,895	From: 15/08/20 To: 15/08/20
Catering and Event Supplies SID_1234567890	Contract Name 6 CID_1234567890	Legal	₹2,32,895	₹ 32,32,895	From: 15/08/20 To: 15/08/20
Industrial Cleaning and SID_1234567890	Contract Name 16 CID_1234567890	Housekeeping management	₹ 2,32,895	₹ 32,32,895	From: 15/08/20 To: 15/08/20
Kitchen Renovation and SID_1234567890	Contract Name 10 CID_1234567890	Restaurant Management	₹ 2,32,895	₹ 32,32,895	From: 15/08/20 To: 15/08/20
Building Construction and SID_1234567890	Contract Name 5 CID 1234567890	IT	₹2,32,895	₹ 32,32,895	From: 15/08/20 To: 15/08/20

Figure 42: Purchase Order Creation, Statement of Work Selection

<	:	<ol> <li>Select Vendor</li> </ol>	> 2 Select S	SOW	>  Line I	(tem Quai	ntities > (	4) PO Details	> (5) Pre	view			Cancel	Ne>
s	Sel	ected Line Item	s									G (	Upload from	Exe
	#	Line Item Name	Cost Center		HSN/SAC	UoM	Туре	Rate	Qty	Amount (without GST)	GST (Rate)	GST (Amount)	Amount (with GST)	
	1	Debt Service LID_1234567890 Add Remarks	Select	~	12345678	kg	Blanket	N/A	Enter	₹0	Select	₹0	₹1,12,000	
		Amet minim molli	t non											
	2	Debt Service LID_1234567890	Select	~	12345678	kg	Rate	₹1,000	Enter	Enter	Select	₹ 128	₹12,128	
		Add Remarks Amet minim molli	t non											
	3	Debt Service LID_1234567890	Select	~	12345678	kg	Regular	₹1,000	Enter	₹0	Select 、	₹ 128	₹1,00,128	
		Add Remarks	t non											
		Debt Service			12345678	kg	Rate	₹1,000	(	₹0	Select	₹128		
	4	LID_1234567890 Add Remarks	Select	Ť	12343078	кg	Rate	₹1,000	Enter	<b>₹</b> 0	Select	120	₹1,00,128	
		Amet minim molli	t non											
									Total Amour	nt = ₹0	+	₹0	= ₹0	
1	so	W List					Q Search						+ Add t	0
	_	# Line Item N			Group Name a Finance	and Code		SN/SAC UG		rpe	Rate	Qty	Amount	
		LID_123456	57890		GID_1234567 Accounting			345678 kg		ate ₹9,i	00,000 N/A	N/A	N/A ₹13,00,000	
		Calenders			GID_1234567 Front Desk			345678 un		egular	₹ 900	1,000	₹ 9,00,000	
	С	LID_123456	gement		GID_1234567 Management GID_1234567			345678 ltr			N/A	0 - 50	₹1,00,000	
		LID_123450	17070		GID_1234307	870					N/A	51 - 150	₹ 2,00,000	
											N/A	151 - 251	₹1,50,000	
										4	2,000 25	1-99,99,999	N/A	
										consequat duis enim Insequat duis enim ve				

Figure 43: Purchase Order Creation, Line Item Quantities addition

High     Gurgaon, Haryana     Gurgaon, Haryana     25 Days       Image: Constraint of the second	
Purchase Order Type Expected Delivery Date Service Period From Service Period To	
Both 20/10/2023 (1) 20/10/2022 (1) 20/10/2023	
	1
Attribute 1 Attribute 2 Attribute 3 Attribute 4	
Place holder         Place holder         Place holder	
Attribute 5 Attribute 6 Attribute 7 Attribute 8	
Place holder         Place holder         Place holder	
Attribute 9 Attribute 10	
Place holder Place holder	

Figure 44: Purchase Order Creation, Purchase Order Details

	1 Select Vendor >	2 Select SOW >	3 Line Item	Quantities	> 4 PO Deta	ails 🔸 🌀 Pr	eview			Cancel	Creat
SO	W Details				₹ 4.44.0	64,28,000	Vendor Details				
Big	g Kahuna Burger Ltd	I. 🖸			, ,	, ,,	Cosmo Infra	solution is	a of Vendor		
	SOWID/23424325						ID: V/23424325				
Ħ	25 Dec, 2022 - 25 Dec, 2	2023 (1 yr)					🗄 Gurugram C	office • 09090	9012		
Тур	e Type 45 • Department 1	1 / Sub Dept 1					GST: AAAAA-AA	-88-8888888			
РО	)ID/123456789012	34567890 ጵ								₹ 2,22,32,1	4,000
Ħ	Expected Delivery: 20/10	0/2023 • 런 Servio	e Duration: 20/:	10/2023-2	0/11/2023						,
	ing Address	Billing Addr			ayment Terms		Attribute 1		Attribute	2	
	rgaon, Haryana	Gurgaon, H	aryana		5 Days		Value		Value		
Attr Val	ribute 3 l <b>ue</b>	Attribute 4 Value			ttribute 5 <b>alue</b>		Attribute 6 Value		Attribute Value	9.5	
	ribute 8	Attribute 9			ttribute 10						
Val	ue	Value		V	alue						
	mark net minim mollit non deser ne Items	runt ullamco est sit	aliqua dolor do	amet sint.		quat duis enim	velit mollit.				$\bigtriangledown$
Lin	net minim mollit non deser				Q	Search		Amount	GST	GST	Ċ
	net minim mollit non deser	runt ullamco est sit	aliqua dolor do HSN/SAC	amet sint. ' UoM		-		Amount (without GST)	GST (Rate)	<b>GST</b> (Amount)	Am
Lin	net minim mollit non deser				Q	Search					Am (with
Lin #	et minim mollit non deser le Items Line Item Name Business Cards and	Cost Center Cooks	HSN/SAC 12345678	UoM kg	Q Type Rate	Search Rat ₹1,000	e Qty 12	(without GST) ₹ 12,000	(Rate)	(Amount)	Am (with
Lin # 1	e Items Line Item Name Business Cards and LID_1234567890 Remarks : Amet minim i Access Control Syste	Cost Center Cooks mollit non deserunt	HSN/SAC 12345678	UoM kg aliqua dolo	Q Type Rate or do amet sint. Ve	Search Rat ₹1,000	e Qty 12 rquat duis enim v	(without GST) ₹ 12,000 relit mollit.	(Rate) Type 1 10% CGST Type 2	(Amount) ₹1,200	Am (with ₹13
Lin #	Line Item Name Business Cards and LID_1234567890 Remarks : Amet minim in Access Control Syste LID_1234567890	Cost Center Cooks Procurement	HSN/SAC 12345678 ullamco est sit a 12345678	UoM kg aliqua dolo	Type Rate or do amet sint. Ve Blanket	Search Rat ₹1,000 Ilit officia conse ₹1,00,000	e Qty 12 rquat duis enim v 1	(without GST) ₹ 12,000 relit mollit. ₹ 10,000	(Rate) Type 1 10% CGST	(Amount)	Am (with ₹13
Lin # 1	e Items Line Item Name Business Cards and LID_1234567890 Remarks : Amet minim i Access Control Syste	Cost Center Cooks Procurement	HSN/SAC 12345678 ullamco est sit a 12345678	UoM kg aliqua dolo	Type Rate or do amet sint. Ve Blanket	Search Rat ₹1,000 Ilit officia conse ₹1,00,000	e Qty 12 rquat duis enim v 1	(without GST) ₹ 12,000 relit mollit. ₹ 10,000	(Rate) Type 1 10% CGST Type 2	(Amount) ₹1,200	Ame (with 0 ₹ 13,
Lin # 1	Line Item Name Business Cards and LID_1234567890 Remarks : Amet minim in Access Control Syste LID_1234567890	Cost Center Cooks Procurement	HSN/SAC 12345678 ullamco est sit a 12345678	UoM kg aliqua dolo	Type Rate or do amet sint. Ve Blanket	Search Rat ₹1,000 Ilit officia conse ₹1,00,000	e Qty 12 rquat duis enim v 1	(without GST) ₹ 12,000 relit mollit. ₹ 10,000	(Rate) Type 1 10% CGST Type 2	(Amount) ₹1,200	Am (with) ₹13
Lin # 1 2	et minim mollit non deser te Items Line Item Name Business Cards and LID_1234567890 Remarks : Amet minim i Access Control Syste LID_1234567890 Remarks : Amet minim i Warehouse Racking	Cost Center Cooks mollit non deserunt Procurement mollit non deserunt Management	HSN/SAC 12345678 ullamco est sit a 12345678 ullamco est sit a 12345678	UoM kg aliqua dolo kg aliqua dolo kg	Type Rate or do amet sint. Ve Blanket or do amet sint. Ve Regular	Search Rat ₹ 1,000 ₹ 1,00,000 ₹ 1,00,000	e Qty 12 Iquat duis enim v Iquat duis enim v 19	(without GST) ₹ 12,000 relit mollit. ₹ 10,000 relit mollit. ₹ 38,000	(Rate) Type 1 10% CGST Type 2 10% IGST Type 3	(Amount) ₹1,200 ₹1,000	Am (with ₹13
Lin # 1 2	et minim mollit non deser te Items Line Item Name Business Cards and LID_1234567890 Remarks : Amet minim i Access Control Syste LID_1234567890 Remarks : Amet minim i Warehouse Racking LID_1234567890	Cost Center Cooks mollit non deserunt Procurement mollit non deserunt Management	HSN/SAC 12345678 ullamco est sit a 12345678 ullamco est sit a 12345678	UoM kg aliqua dolo kg aliqua dolo kg	Type Rate or do amet sint. Ve Blanket or do amet sint. Ve Regular	Search Rat ₹ 1,000 ₹ 1,00,000 ₹ 1,00,000	e Qty 12 Iquat duis enim v Iquat duis enim v 19	(without GST) ₹ 12,000 relit mollit. ₹ 10,000 relit mollit. ₹ 38,000	(Rate) Type 1 10% CGST Type 2 10% IGST Type 3	(Amount) ₹1,200 ₹1,000	Am (with ₹13 ₹13
Lin # 1 2 3	et minim mollit non deser le Items Line Item Name Business Cards and LID_1234567890 Remarks : Amet minim i Access Control Syste LID_1234567890 Remarks : Amet minim i Warehouse Racking LID_1234567890 Remarks : Amet minim i Marehouse Racking LID_1234567890	Cost Center Cooks mollit non deserunt Procurement mollit non deserunt Management mollit non deserunt	HSN/SAC 12345678 ullamco est sit a 12345678 ullamco est sit a 12345678 ullamco est sit a	UoM kg aliqua dolo kg aliqua dolo kg aliqua dolo	Q Type Rate or do amet sint. Ve Blanket or do amet sint. Ve Regular or do amet sint. Ve	Search Rat ₹ 1,000 litofficia conse ₹ 2,000 litofficia conse	e Qty 12 equat duis enim v 19 equat duis enim v	(without GST) ₹ 12,000 relit mollit. ₹ 10,000 relit mollit. ₹ 38,000 relit mollit.	(Rate) Type 1 10% CGST Type 2 10% IGST Type 3 12% CGST Type 4	(Amount) ₹1,200 ₹1,000 ₹4,620	Am (with ₹13 ₹13 ₹13 ₹13
Lin # 1 2 3	et minim mollit non deser le Items Line Item Name Business Cards and LID_1234567890 Remarks : Amet minim i Access Control Syste LID_1234567890 Remarks : Amet minim i Warehouse Racking LID_1234567890 Remarks : Amet minim i Marehouse Racking LID_1234567890	Cost Center Cooks mollit non deserunt Procurement mollit non deserunt Management mollit non deserunt	HSN/SAC 12345678 ullamco est sit a 12345678 ullamco est sit a 12345678 ullamco est sit a	UoM kg aliqua dolo kg aliqua dolo kg aliqua dolo	Q Type Rate or do amet sint. Ve Blanket or do amet sint. Ve Regular or do amet sint. Ve	Search Ratt ₹ 1,000 lit officia conse ₹ 1,00,000 lit officia conse ₹ 2,000 lit officia conse ₹ 2,000	e Oty 12 Iquat duis enim v 1 rquat duis enim v 19 rquat duis enim v 300	(without GST) ₹ 12,000 relit mollit. ₹ 10,000 relit mollit. ₹ 38,000 relit mollit. ₹ 15,000	(Rate) Type 1 10% CGST Type 2 10% IGST Type 3 12% CGST Type 4 18% CGST Type 4	<ul> <li>(Amount)</li> <li>₹1,200</li> <li>₹1,000</li> <li>₹4,620</li> <li>₹2,700</li> </ul>	Am (with ₹13 ₹13 ₹13 ₹13 ₹17
Lin # 1 2 3	et minim mollit non deser le Items Line Item Name Business Cards and LID_1234567890 Remarks : Amet minim i Access Control Syste LID_1234567890 Remarks : Amet minim i Warehouse Racking LID_1234567890 Remarks : Amet minim i Marehouse Racking LID_1234567890	Cost Center Cooks mollit non deserunt Procurement mollit non deserunt Management mollit non deserunt	HSN/SAC 12345678 ullamco est sit a 12345678 ullamco est sit a 12345678 ullamco est sit a 12345678	UoM kg aliqua dolo kg aliqua dolo kg aliqua dolo kg	Q Type Rate or do amet sint. Ve Blanket or do amet sint. Ve Regular or do amet sint. Ve Siab	Search ₹ 1,000 lito officia conse ₹ 2,000 lito officia conse ₹ 2,000 lito officia conse N/A N/A	e Qty 12 12 12 1 1 1 19 19 19 19 19 19 19 19 19 19 19	(without GST) ₹ 12,000 relit mollit. ₹ 10,000 relit mollit. ₹ 38,000 relit mollit. ₹ 15,000 0-200 ₹ 5,000	(Rate) Type 1 10% CGST Type 2 10% IGST Type 3 12% CGST Type 4 18% CGST Type 4 18% CGST	(Amount) ₹1,200 ₹1,000 ₹4,620 ₹2,700 ₹2,700	Am (with) ₹13

Figure 45: Purchase Order Creation, Preview

#### 5.3.2 Purchase Order Tables

All PO have been segregated into 5 tabs, Pending, Inprocess, Approved and All.

Pending <sup>3</sup> Draft	Inp	rocess Approved	All		Q Search			reate PO	
PO ID		Vendor Name & Code	Site Name and Site Code	Created On	Reason	Status	Value (Without Tax)	Current TAT	Tota TA
POID/1234567890	*	Big Kahuna Burger VID_1234567890	Jaisalmer, Rajasthan SID_1234567890	18/09/2016	Data not matching On 02/04/2023	<ul> <li>Reconsidered</li> </ul>	₹13,00,000	1	
POID/1234567890	*	Binford Ltd. VID_1234567890	Barnala, Punjab SID_1234567890	15/08/2017	Data not matching On 02/04/2023	<ul> <li>Reconsidered</li> </ul>	₹13,00,000	2	
POID/1234567890	*	Biffco Enterprises Sub	Mamit, Mizoram SID_1234567890	07/05/2016	Data not matching On 02/04/2023	<ul> <li>Disputed</li> </ul>	₹13,00,000	1	
POID/1234567890	*	Biffco Enterprises VID_1234567890	Champhai, Mizoram SID_1234567890	28/10/2012	Data not matching On 02/04/2023	Reconsidered	₹13,00,000	5	
POID/1234567890	*	Barone LLC. VID_1234567890	Tarn Taran, Punjab SID_1234567890	16/08/2013	Data not matching On 02/04/2023	Disputed	₹13,00,000	3	
POID/1234567890	*	Big Kahuna Burger VID_1234567890	Balasore, Orissa SID_1234567890	28/10/2012	Data not matching On 02/04/2023	Disputed	₹13,00,000	4	
POID/1234567890	*	Acme Co. VID_1234567890	Ganjam, Orissa SID_1234567890	15/08/2017	Data not matching On 02/04/2023	Reconsidered	₹13,00,000	1	
POID/1234567890	*	Abstergo Ltd. VID_1234567890	Mokokchung, SID_1234567890	16/08/2013	Data not matching On 02/04/2023	Reconsidered	₹13,00,000	2	
POID/1234567890	*	Big Kahuna Burger VID_1234567890	Mokokchung, SID_1234567890	12/06/2020	Data not matching On 02/04/2023	Reconsidered	₹13,00,000	7	
View 10 Views	Per Pa	ge		1 - 10 out of	100		1 2	345	(

Figure 46: Purchase Order Table

#### 5.3.3 Purchase Order View

These views show how the user will see the saved Purchase Orders.

M	ND.								Û	VR Vive	<b>k Rawat</b> Iger
<	View PO										C
	ID/1234567890123 Expected Delivery: 20/10,		APPROVED	10/2023-2	20/11/2023					₹ 2,22,32,1	4,000 🗸
Big ID: S	/ Details <b>Kahuna Burger Ltd.</b> SOWID/23424325 25 Dec, 2022 - 25 Dec, 20 <b>Pype 45 - Department 1</b>	023 (1 yr)			₹ 4,44,6	64,28,000	Vendor Details Cosmo Infras ID: V/23424325 Gurugram Of GST: AAAAA-AA	ffice = 09090			
Line	e Items					Q Search					
#	Line Item Name	Cost Center	HSN/SAC	UoM	Туре	Rat	e Qty	Amount (without GST)	GST (Rate)	GST (Amount)	Amount (with GST)
1	Business Cards and LID_1234567890 Remarks : Amet minim m	Cooks nollit non deserunt	12345678 ullamco est sit a	kg aliqua dolo	Rate or do amet sint. Ve	₹ 1,000 it officia conse		₹12,000	Type 1 10% CGST	₹1,200	₹13,200
2	Access Control Syste LID_1234567890 Remarks : Amet minim m	Procurement	12345678 ullamco est sit a	kg aliqua dolo	Blanket or do amet sint. Ve	₹ 1,00,000		₹ 10,000 elit mollit.	Type 2 10% IGST	₹1,000	₹13,200
3	Warehouse Racking LID_1234567890	Management	12345678	kg	Regular	₹2,000		₹ 38,000	Type 3 12% CGST	₹4,620	₹13,200
	Remarks : Amet minim m	nollit non deserunt	ullamco est sit a	aliqua dolo	or do amet sint. Ve	it officia conse	equat duis enim ve	elit mollit.			
	Medical Equipment LID_1234567890	IT	12345678	kg	Slab	N/A	300	₹15,000	Type 4 18% CGST	₹2,700	₹17,700
						N/A	₹10,000	0-200			
						N/A	200-400	₹ 5,000			
	Remarks : Amet minim m	nollit non deserunt	ullamco est sit a	aliqua dolo	or do amet sint. Ve	it officia conse	equat duis enim ve	elit mollit.			

Figure 47: Purchase Order View

#### 5.3.4 Purchase Order Bulk Shortclose

User can select multiple Purchase orders which have to be shortclosed and Bulk Shortclose

38	< PO Bulk Shortclose				с	ancel Bulk Sh	ortclose
.13	MIND.						ivek Rawat
3	PO ID		Vendor Name & Code	Site Name and Site Code	Created On	Balance Value (Without Tax)	Value (Without Tax)
•	POID/1234567890	*	Big Kahuna Burger Ltd. VID_1234567890	Jaisalmer, Rajasthan SID_1234567890	18/09/2016	₹13,00,000	₹ 13,00,000
	POID/1234567890	*	Binford Ltd. VID_1234567890	Barnala, Punjab SID_1234567890	15/08/2017	₹13,00,000	₹13,00,000
	POID/1234567890	*	Biffco Enterprises Ltd. Sub	Mamit, Mizoram SID_1234567890	07/05/2016	₹13,00,000	₹13,00,000
di -	POID/1234567890	*	Biffco Enterprises Ltd. VID_1234567890	Champhai, Mizoram SID_1234567890	28/10/2012	₹13,00,000	₹13,00,000
	POID/1234567890	*	Barone LLC. VID_1234567890	Tarn Taran, Punjab SID_1234567890	16/08/2013	₹13,00,000	₹13,00,000
	POID/1234567890	*	Big Kahuna Burger Ltd. VID_1234567890	Balasore, Orissa SID_1234567890	28/10/2012	₹13,00,000	₹13,00,00
	POID/1234567890	*	Acme Co. VID_1234567890	Ganjam, Orissa SID_1234567890	15/08/2017	₹13,00,000	₹13,00,000
	POID/1234567890	*	Abstergo Ltd. VID_1234567890	Mokokchung, Nagaland SID_1234567890	16/08/2013	₹13,00,000	₹13,00,000
	POID/1234567890	\$	Big Kahuna Burger Ltd. VID_1234567890	Mokokchung, Nagaland SID_1234567890	12/06/2020	₹13,00,000	₹13,00,000

Figure 48: Purchase Order Bulk Shortclose Selection

#### **5.3.5 Purchase Order Partial Short close**

User can select desired line items and even mention their quantities which have to be short closed and then partially short closed.

<	PO	Details								Cancel	Partially	/ Shortclos
РО	Line	ttems					Q Search					
#	#	Line Item Name	Cost Center	HSN/SAC	UoM	Туре	Rate	Qty	Amount (without GST)	GST (Rate)	GST (Amount)	Amour (with GST
-	1	Business Cards and LID_1234567890	Cooks	12345678	kg	Rate	₹1,000	<b>1,200</b> Balance: 0	₹12,000	<b>Type 1</b> 10% CGST	₹1,200	₹13,20
	Rem	arks : Amet minim mollit	non deserunt ullam	co est sit aliqua	dolor do a	amet sint. Ve	lit officia conseq	juat duis enim v	elit mollit.			
-	2	Access Control Syste LID_1234567890	Procurement	12345678	kg	Blanket	₹1,00,000	N/A	₹ 1,200 Balance: ₹12,000	<b>Type 2</b> 10% IGST	₹1,000	₹13,20
	Rem	arks : Amet minim mollit	non deserunt ullam	co est sit aliqua	dolor do a	amet sint. Ve	lit officia conseq	uat duis enim v	elit mollit.			
C	3	Warehouse Racking LID_1234567890	Management	12345678	kg	Regular	₹2,000	10 Balance: 5	₹38,000	Type 3 12% CGST	₹4,620	₹13,20
	Rem	arks : Amet minim mollit	non deserunt ullam	co est sit aliqua	dolor do a	amet sint. Ve	lit officia conseq	uat duis enim v	elit mollit.			
C	4	Medical Equipment LID_1234567890	IT	12345678	kg	Slab	N/A	200 Balance: 50	₹15,000	Type 4 18% CGST	₹2,700	₹17,70
							N/A	0-200	₹10,000			
							N/A	200-400	₹5,000			
	Rom	arks : Amet minim mollit	oon deserunt ullam	co ost sit aliqua	dolor do :	amet sint. Ve	lit officia consec	uat duis enim v	olit mollit			

Figure 49: Purchase Order Partial Short closing, selecting line items and adding their quantities

## 5.3.6 Purchase Order Fully Short close Dialog Box

User can short close an entire PO at a time and the following dialog box will open up.

Are you sure you want to S Total remaining balance o		-
his action can not be revelor hortclose the PO.	ersed in futur	e. This will permanently
Reason for Shortclosing		
Please enter the reason for	Shortclosing	

Figure 50: Purchase Order Fully Short close Dialog Box

# 5.4 Purchase Order Approver's UI

#### 5.4.1 Purchase Order Tables

All the PO have been segregated into 4 tabs, Pending, In process, Approved and All.

Pending <sup>3</sup> Inproc	cess	Approved All			Q Search			7
PO ID		Vendor Name & Code	Site Name and Site Code	Created By 🐱	Approval For	Value (Without Tax)	Current TAT	Tota TA
POID/1234567890	*	Big Kahuna Burger Ltd. VID_1234567890	Jaisalmer, Rajasthan SID_1234567890	Govind Bhate On 20/10/2024	<ul> <li>Resubmission</li> </ul>	₹13,00,000	1	
POID/1234567890	\$	Binford Ltd. VID_1234567890	Barnala, Punjab SID_1234567890	Daya Seth On 20/10/2024	<ul> <li>Submission</li> </ul>	₹13,00,000	2	
POID/1234567890	*	Biffco Enterprises Ltd. Sub	Mamit, Mizoram SID_1234567890	Govind Kapadia On 20/10/2024	<ul> <li>Disputed</li> </ul>	₹13,00,000	1	
POID/1234567890	*	Biffco Enterprises Ltd. VID_1234567890	Champhai, Mizoram SID_1234567890	Susika Dalavi On 20/10/2024	<ul> <li>Disputed</li> </ul>	₹13,00,000	5	
POID/1234567890	\$	Barone LLC. VID_1234567890	Tarn Taran, Punjab SID_1234567890	Chanda Vad On 20/10/2024	<ul> <li>Resubmission</li> </ul>	₹13,00,000	3	
POID/1234567890	*	Big Kahuna Burger Ltd. VID_1234567890	Balasore, Orissa SID_1234567890	<b>Waazir Padhi</b> On 20/10/2024	<ul> <li>Submission</li> </ul>	₹13,00,000	4	
POID/1234567890	*	Acme Co. VID_1234567890	Ganjam, Orissa SID_1234567890	Bhima Poddar On 20/10/2024	Resubmission	₹13,00,000	1	
POID/1234567890	*	Abstergo Ltd. VID_1234567890	Mokokchung, Nagaland SID_1234567890	In 20/10/2024	<ul> <li>Submission</li> </ul>	₹13,00,000	2	
POID/1234567890	*	Big Kahuna Burger Ltd. VID_1234567890	Mokokchung, Nagaland SID_1234567890	Baibhav Nambis On 20/10/2024	an 🕒 Submission	₹13,00,000	7	
View 10 VItems	Per Pa	ge	1 - 10 c	out of 100		1 2	345	(

Figure 51: Purchase Order Table, Pending Tab

#### 5.4.2 Purchase Order Detailed View

Purchase Order detailed view where the approver get an options to:

- Approve
- Reconsider
- Reject

<	View PO							Rej	ect Recor		rove			
	DID/1234567890123 Expected Delivery: 20/10		$\square$	10/2023-2	20/11/2023					₹ 2,22,32,1	4,000			
	Reconsidered By  Manish Mishra * On 20 Oct, 2021 Amet minim mollit non deserunt ullamco est sit aliqua dolor do amet sint. Velit officia consequat duis enim velit mollit.													
Bi; ID:	W Details <b>g Kahuna Burger Ltd.</b> SOWID/23424325 25 Dec, 2022 - 25 Dec, 2 re <b>Type 45 - Department 1</b>	023 (1 yr)			₹ 4,44,6	54,28,000	Vendor Details Cosmo Infra ID: V/23424325 GUrugram C GST: AAAAA-AA	) Office • 09090						
Lin	e Items	Q Search												
#	Line Item Name	Cost Center	HSN/SAC	UoM	Туре	Rat	e Qty	Amount (without GST)	GST (Rate)	GST (Amount)	Amou (with GS			
1	Business Cards and LID_1234567890 Remarks : Amet minim n	Cooks nollit non deserunt	12345678 ullamco est sit	kg aliqua dolo	Rate or do amet sint. Ve	₹ 1,000		₹ 12,000 velit mollit.	<b>Type 1</b> 10% CGST	₹1,200	₹13,2			
2	Access Control Syste LID_1234567890	Procurement	12345678	kg	Blanket	₹1,00,000		₹10,000	<b>Type 2</b> 10% IGST	₹1,000	₹13,2			
3	Remarks : Amet minim n Warehouse Racking LID_1234567890 Remarks : Amet minim n	Management	12345678	kg	Regular	₹2,000	19	₹38,000	Type 3 12% CGST	₹ 4,620	₹13,2			
4	Medical Equipment	IT	12345678	kg	Slab	N/A		₹ 15,000	Type 4 18% CGST	₹2,700	₹17,5			
	10_10000000					N/A	₹10,000	0-200	Type 4 18% CGST	₹ 2,700	₹17,5			
						N/A		₹ 5,000	Type 4 18% CGST	₹2,700	₹17,7			
	Remarks · Amet minim n	nollit non deserunt	ullamco est sit :	aliqua dolo	or do amet sint. Ve	lit officia conse	equat duis enim v	velit mollit.						

Figure 52: View Purchase Order, Submitted View

#### **5.4.3 Approval Dialog Box**

The following dialog box opens and comes with a default approval message which can be edited.

Approve PO		
Are you sure you want to approve	e "PO/12345	678"?
pproval Note		
This PO has been Approved.		
	Cancel	Approve PO

Figure 53: Approval Dialog Box

#### **5.4.4 Reconsider Dialog Box**

The following dialog box opens and which asks to whom do you want to reconsider along with your reason for reconsideration. You also get an option to not start the Approval process rather directly redirect it to you after changes.

Are you sure you want to rejec	t "PO/123450	578"?
Reconsider 2		
Contract Creator		
eason for Reconsideration		
Please enter the reason for Reco	nsidering the PC	).
estart the Approval Process		$\circ$
fter resubmission the Contract wi		to my stage
		-

Figure 54: Reconsider Dialog Box

#### **5.2.5 Approval Dialog Box**

The following

ject SOW	DO (4 00 45 ( DO NO
e you sure you want to reject "	PO/12345678"?
eason for Rejecting	
Please enter the reason for Rejecting	g the PO.

Figure 55: Approval Dialog Box

#### 5.2.6 Comparison view between versions.

When there are some modifications done in a Purchase Order and it is sent for Approval, the approver gets a comparison view where he can compare the modifications with the past versions, helping him the approval cycle.

≡	MIND.		💭 Vrek Rawat 🗸
88	< View Rejected Changes		Reject Reconsider Approve
.iì	P0_1234567890123456789	D/V4 · 💋	View all Attributes O
<b>3</b>	Modified By		
. <b>o</b> .		llamco est sit aliqua dolor do amet sint. Velit officia consequat duis enim ve	lit mollit.
Ä		Existing PO	Modified PO
di di	Sub Department	Sub Department 1	Sub Department 1
	Payment Terms	25 Days →	25 Days
	4 Line Items	Q Search	
	#1 • Line Item Name 1 • ID: SO		
		Existing PO	Rejected Changes
	Value Type	Regular →	Regular
	Remarks	Amet Amet minim mollit non deserunt ullamco est sit aliqua dolor do amet sint. Velit officia consequat duis enim velit mollit. $\rightarrow$	Amet Amet minim mollit non deserunt ullamco est sit aliqua dolor do amet sint. Velit officia consequat duis enim velit mollit.
	# 2 • Line Item Name 1 • ID: SO	WID/23424325	
		Existing PO	Rejected Changes
	Value Type	Regular $\rightarrow$	Regular
	Remarks	Amet Amet minim mollit non deserunt ullamco est sit aliqua dolor do amet sint. Velit officia consequat duis enim velit mollit.	Amet Amet minim mollit non deserunt ullamco est sit aliqua dolor do amet sint. Velit officia consequat duis enim velit mollit.
	#1 • Line Item Name 1 • ID: SO	WID/23424325 • NEW	
		Existing PO	Rejected Changes
	Group		Group 1/ ID1234567890
	Cost Centre	-	Amet minim mollit
	HSN		12345678
	UoM	•	kg
	Value Type		Regular
	Rate	•	₹ 12,349
	Quantity	•	100
	Amount (without GST)	-	₹1,10,000
	GST	-	₹100
	Amount (with GST)	-	₹ 1,10,100
	Remarks		Amet Amet minim mollit non deserunt ullamco est sit aliqua dolor do amet sint. Velit officia consequat duis enim velit mollit.

Figure 56: Comparison view of modifies changes

# 5.5 Vendor's UI

#### 5.5.1 Purchase Order Tables

All the PO have been segregated into 4 tabs, Pending, In dispute, Accepted and All.

	Pending 3 In Disput	te A	Accepted All		Q Search			7:
F	PO ID	C	reated By 💙			Approval For	Value (Without Tax)	Current TA
F	POID/1234567890	≈ (	Sovind Bhate On 20/10/2024			Resubmission	₹13,00,000	:
F	POID/1234567890	^	Daya Seth On 20/10/2024			<ul> <li>Submission</li> </ul>	₹13,00,000	:
F	POID/1234567890	≈ (	Govind Kapadia On 20/10/2024			<ul> <li>Submission</li> </ul>	₹13,00,000	:
F	POID/1234567890	* (	Kusika Dalavi On 20/10/2024			<ul> <li>Submission</li> </ul>	₹13,00,000	Ę
F	POID/1234567890	۰ (	Chanda Vad On 20/10/2024			Resubmission	₹13,00,000	3
F	POID/1234567890	* (	Waazir Padhi On 20/10/2024			<ul> <li>Submission</li> </ul>	₹13,00,000	4
F	POID/1234567890	≈ (	Bhima Poddar On 20/10/2024			Resubmission	₹13,00,000	1
F	POID/1234567890	≈ (	Anguri Ashtekar On 20/10/2024			<ul> <li>Submission</li> </ul>	₹13,00,000	2
F	POID/1234567890	≈ (	Baibhav Nambisan On 20/10/2024			Submission	₹13,00,000	7
Vi	ew 10 🗸 Items Per	Page		1 - 10 out of 100		1	234	5 >

Figure 57Purchase Order Table, Pending Tab

#### 5.5.2 Purchase Order Detailed View

Purchase Order detailed view where the approver get an options to:

- Accept
- Raise Dispute

M	ND.								Ļ	VR Vive	<b>k Rawat</b> ager	
<	View PO								Raise	Dispute Ac	cept	
	ID/123456789012: Expected Delivery: 20/10		SUBMITTED Duration: 20/10	/2023-20,	/11/2023					₹ 2,22,32,1	4,000 🗸	
	tract Details <b>htract Name </b> //23424325 25 Dec, 2022 - 25 Dec, 2 al Entity: <b>HRX - 3</b> SOW	023 (1 yr)		₹4,4	4,64,28,000	SOW Details <b>Big Kahuna B</b> ID: SOWID/23424 25 Dec, 2022 Type <b>Type 45 • De</b>	1325 - 25 Dec, 202	₹ 4,44,64,28,00				
Line	e Items					Q Search					7	
#	Line Item Name	Cost Center	HSN/SAC	UoM	Туре	Rate	Qty	Amount (without GST)	GST (Rate)	GST (Amount)	Amount (with GST)	
1	Business Cards and LID_1234567890 Remarks : Amet minim n	Cooks nollit non deserunt	12345678 ullamco est sit a	kg aliqua dolo	Rate or do amet sint. V	₹ 1,000 elit officia consequ	12 at duis enim v	₹ 12,000 elit mollit.	<b>Type 1</b> 10% CGST	₹1,200	₹13,200	
2	Access Control Syste LID_1234567890 Remarks : Amet minim n	Procurement nollit non deserunt	12345678 ullamco est sit a	kg aliqua dolo	Blanket or do amet sint. V	₹ 1,00,000 elit officia consequ	1 at duis enim v	₹ 10,000 elit mollit.	Type 2 10% IGST	₹1,000	₹13,200	
3	Warehouse Racking LID_1234567890	Management	12345678	kg	Regular	₹2,000	19	₹ 38,000	Type 3 12% CGST	₹4,620	₹13,200	
	Remarks : Amet minim n	nollit non deserunt	ullamco est sit a	aliqua dolo	or do amet sint. V	elit officia consequ	at duis enim v	elit mollit.				
4	Medical Equipment LID_1234567890	IT	12345678	kg	Slab	N/A	300	₹15,000	Type 4 18% CGST	₹2,700	₹17,700	
						N/A	₹10,000	0-200	Type 4 18% CGST	₹ 2,700	₹17,700	
						N/A	200-400	₹ 5,000	Type 4 18% CGST	₹2,700	₹17,700	
	Remarks : Amet minim n	nollit non deserunt	ullamco est sit a	aliqua dolo	or do amet sint. V	elit officia consequ	at duis enim v	elit mollit.				
						Total	Amount =	₹ 38,000	+	₹4,620 =	₹ 42,620	

Figure 58: View Purchase Order, Submitted View

#### 5.4.3 Acceptance Dialog Box

The following dialog box opens and comes with a default acceptance message which can be edited.



Figure 59: Acceptance Dialog Box

## 5.5.4 Dispute Dialog Box Dialog Box

The following dialog box opens and which asks to enter the reason for dispute.

re you sure you want to rai	se dispute against
0/12345678"?	
eason for Raising Dispute Please enter the reason for Ra	ising Dispute against PO.

Figure 60: Dispute Dialog Box

# 5.6 Dashboards

MYND										Û		ek Rawat	
Contract Overv	ew				Statement of Wo	orks Overviev	v			Alert			
Active	ve In Process Pending		Active In Process Pending					g	Exceeding Standard TAT				
1,202	112		1		11,202	1,112	1	1		2 SOWs 🗳	11 Con	tract 🖸	
								•		Expiring in		10 Days	
Contract 🖸							Pendin	ig 😈	Draft	128 SOW 🗳	11 Con	tract 🖸	
Contract Title		Vendor	Name and Code	Rec	considered By 💙	Reason for Reconsidera	ation	My TAT	Total TAT	Expired in last		10 Days	
Contract Name CID_12345678			una Burger Ltd. 34567890	۲	Govind Bhate On 20/10/2024	Data not Ma	tching	1	3	128 SOW C	11 Con	tract C	
Contract Name CID_12345678		Binford VID_12	Ltd. 34567890	8	Daya Seth On 20/10/2024	Data not Ma	tching	2	4				
Contract Name CID 12345678		Biffco E Sub	interprises Ltd.	٢	Govind Kapadia On 20/10/2024	Data not Ma	tching	1	3	SOW reaching limit	9	Percent	
Statement of V	/ork 🖸						Pendin	ig 🕄	Draft	SOW against Vendors b	y Numbers	C	
SOW Title		Vendor	Name and Code	Rec	considered By 💙	Reason for Reconsidera	ation	My TAT	Total TAT	Status Active		Total	
Physical Securit SID_12345678			una Burger Ltd. 34567890	3	Govind Bhate On 20/10/2024	Data not Ma	tching	1	3			1,02,300	
Uniform and Ap SID_12345678		Binford VID_12	Ltd. 34567890	4	Daya Seth On 20/10/2024	Data not Ma	tching	2	4	Elemination Inc. LLC ①		20,000	
Wireless Netwo SID_12345678		Biffco E Sub	nterprises Ltd.	٩	Govind Kapadia On 20/10/2024	Data not Ma	tching	1	3	Union Fire Protection ③	12,344	)	
										Cain's Pipeline & Industrial	Services ① 8,765		
										A&R Energy Services ①			
										Gulf Interstate Field Service	es 🛈		
										A&R Energy Services ① 750	,		

#### 5.6.1 Contract Creator Dashboard

Figure 61: Dashboard Contract creator

5.6.2 Contract Approver dashboard

MMND.							Û <sub>0</sub>	VR Vivek Rawat Manager
Contract Overvie	w		Statement of Wo	orks Overview		Alert		
Active 1,202	In Process	Pending 1	Active 11,202	In Process 1,112	Pendin 1	g	Exceeding Standard TAT	11 Contract 🗳
Contract 🖸				Pe	ending 📀	Draft	SOW expired in last	10 Day
Contract Title	v	endor Name and Code	Recconsidered By 🐱	Reason for Reconsideration	My n TAT	Total TAT	18 2010	
Contract Name 2, CID_1234567890		<b>ig Kahuna Burger Ltd.</b> ID_1234567890	Govind Bhate On 20/10/2024	Data not Matchi	ng 1	3	SOW against Vendors by	Numbers C
Contract Name 4, CID_1234567890		<b>inford Ltd.</b> ID_1234567890	Daya Seth On 20/10/2024	Data not Matchi	ng 2	4	Status	Tot: <b>1,02,30</b>
Contract Name 1 CID_1234567890		iffco Enterprises Ltd. ub	Govind Kapadia On 20/10/2024	Data not Matchi	ng 1	3		1,02,30
Statement of Wo	ork 🖸			Pe	ending <sup>3</sup>	Draft	Elemination Inc. LLC O Union Fire Protection O	20,000
SOW Title	v	endor Name and Code	Recconsidered By 🐱	Reason for Reconsideration	My 1 TAT	Total TAT	Cain's Pipeline & Industrial S A&R Energy Services ①	Services ① 3,765
Physical Security SID_1234567890		<b>ig Kahuna Burger Ltd.</b> ID_1234567890	Govind Bhate 0n 20/10/2024	Data not Matchi	ng 1	3	756 Gulf Interstate Field Service:	s ©
Uniform and App SID_1234567890		inford Ltd. ID_1234567890	Daya Seth On 20/10/2024	Data not Matchi	ng 2	4	56	
Wireless Network SID_1234567890		iffco Enterprises Ltd.	Govind Kapadia On 20/10/2024	Data not Matchi	ng 1	3		

Figure 62: Dashoard Contract approver

### 5.6.3 PO Creator Dashboard

Purchase Order Overview					Alert	
Active In Process		Pending			Exceeding Standard TAT	
1,202	112	1			3 Purchase Orders 🖸	
Purchase Orders 🖸			Pending 3	Draft	Active PO Breakup by Value	
PO ID	Vendor Name and Co	ode Site Name and Site C	ode My TAT	Total TAT	Open PO	₹1,67,10,00
POID/1234567890	Sig Kahuna Burger Li VID_1234567890	td. Jaisalmer, Rajasthan SID_1234567890	1	3	Total PO Amount	₹87,67,10,00
POID/1234567890	Binford Ltd. VID_1234567890	Barnala, Punjab SID_1234567890	2	4		
POID/1234567890	Sub	d. Mamit, Mizoram SID_1234567890	1	3	PO against Vendors by Number	C
					Active 🗸	9,81,85
Committed Amount		Active PO by Departments				
Time Duration	Total	Sect	urity 1,2	3,32,023	Union Fire Protection ① 1,23,4	56
Monthly 🗸	₹ 3,50,000	TOTAL 1,456	nan 1,2 ources	3,32,023	Cain's Pipeline & Industrial Services ① 1,920	
Cotober'22 - March	i'23 <b>&gt;</b>	1,400		3,32,023	A&R Energy Services ①	
	250 K	Lega	al 1,2	3,32,023	Gulf Interstate Field Services ①	
	200 K	Othe	ers 1,2	3,32,023	Gulf Interstate Field Services ①	
	83.6 K	Top 5 PO in Security 🛛 🖸				
		Top 5 PO in Security		Value		
OCT'22 NOT'22 DEC'22 JAN'23 1	100 к		≮ ₹ 32,3	Value 2,980		
OCT'22 NOV'22 DEC'22 JAN'23 F	100 К	PO				
	100 К	PO P0_123456789012345	\$ ₹ 32,3	2,980		
OCT'22 NOT'22 DEC'22 JAN'33 1	100 К	P0 P0_123456789012345 P0_123456789012345	<ul> <li>₹ 32,3</li> <li>₹ 32,3</li> </ul>	2,980 2,980		

Figure 63: Dashboard PO Creator



#### 5.6.4 PO Approver Dashboard

Figure 64: PO Approver Dashboard

#### 5.6.5 Vendor Dashboard



Figure 65: Vendor Dashboard

# Chapter 6 CONCLUSIONS AND FUURE SCOPE

## 6.1 Conclusion

In conclusion, the contract to purchase order management software product design and UI design is a step towards improving business efficiency and customer satisfaction. It helps in businesses can streamline their order management process, reduce errors, and provide a seamless experience to their customers.

Entering into the B2B domain was a challenging experience for me. The complexities of contracts, statements of work (SOWs), and purchase order (POs) were overwhelming at first, but with the right guidance and knowledge, navigation through them was effective.

It was exciting to understand the dependencies and intricacies of these documents to ensure the success of any business deal.

Contracts, SOWs, and POs are all interdependent and have a significant impact on each other. A contract is a legally binding agreement between two or more parties, outlining the terms and conditions of the business deal. SOWs provide specific details on the scope of work to be done, while POs are issued to confirm the purchase of goods or services from a vendor.

Designing the user interface (UI) for order management software in the B2B domain was equally challenging. The UI must accommodate a vast amount of information on a single screen without appearing cluttered. The UI should be designed in a way that allows users to quickly and efficiently navigate through the system to manage orders and track shipments.

## 6.2 Future Scopes

For now this software works in integration of other SAP softwares, which help in inventory management, vendor on boarding, billing etc.

In future these domains can be integrated with Contract to Purchase Order to make it one massive software which can be used without any alliances.

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