

SUBCONTRACTING



We are official Odoo Partner

Our Profile



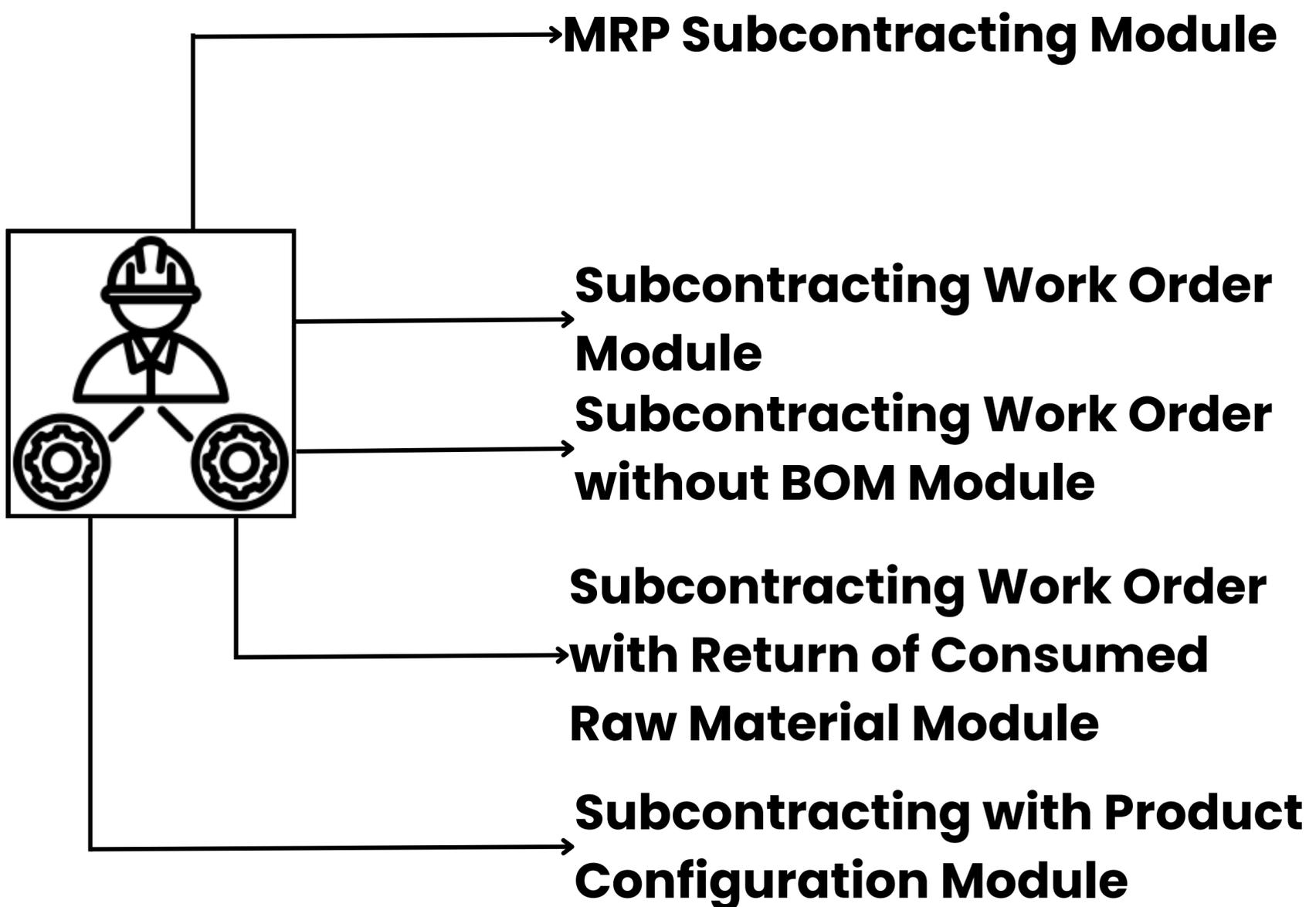
Vperfect Consultancy Services Pvt Ltd (VPCS) is an official partner of Odoo based in Ahmedabad. It started in **2016**. We have developed **70+** modules in **Odoo** and have served more than **50** clients globally. We help our clients in implementing Odoo and develop new modules based on their requirements.

VPerfect CS Serves!

"Our essence is to serve for your betterment"

Subcontracting Modules

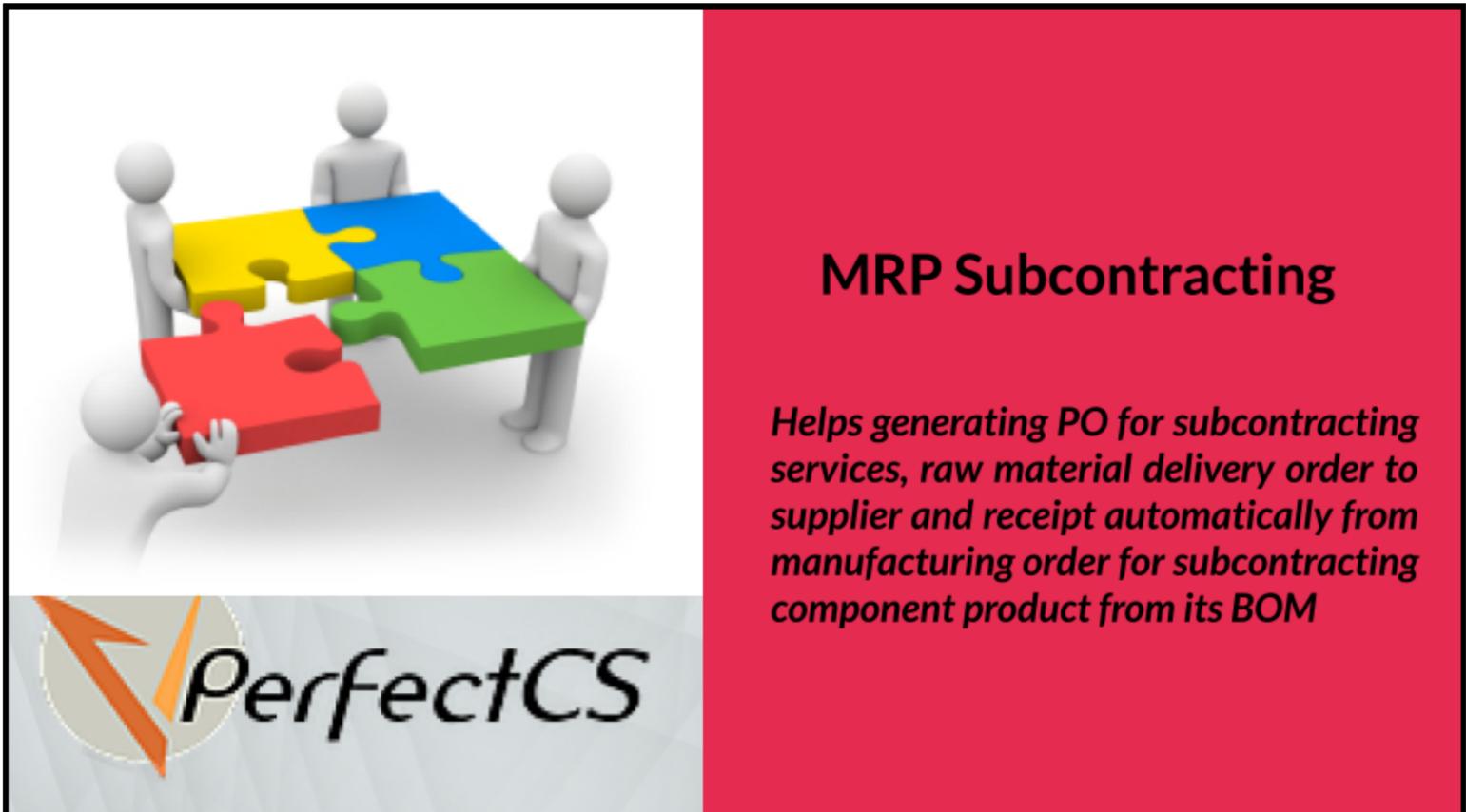
- **VPCS** have so far customized the following modules shown below for our productive clients to manage their outsourcing



- These subcontracting modules offer more features compared to the standard subcontracting feature of **Odoo**
- Some of the above modules provides the subcontracting feature on the **Manufacturing Order**
- These modules provides a feature of automatically generating the related processes of subcontracting on confirming the manufacturing order
- These provides the user the flexibility in executing the **Subcontracting Order** and manufacturing order with lesser efforts and hence helps in saving user **Time** and increases the **Productivity** of the organisation

MRP Subcontracting Module

- This subcontracting module allows the subcontracting of **Components, Sub-components** or **Services**



- When a manufacturing order is confirmed, it automatically generates the **Purchase Order** for raw materials or subcontracted services
- Generates a **Receipt** for raw materials and generates the **Delivery Order** for delivering the raw materials to the vendor of subcontracted service
- Generates **Receipt** for the subcontracted components and performs the manufacturing of finished product and generates the **Delivery Order** for the final product to the customer
- It also creates an **Invoice and Bill** for the product or service
- On **Cancelling** the manufacturing order all the related processes and invoice are also cancelled automatically
- The **Quantity** of products and components can be automatically **Updated** as and when they are received or delivered by clicking on **Update** button on the manufacturing order

- **Product BOM:**

Bills of Materials / bike

Edit Create Print Action 1 / 8

Active

Product bike Reference BoM Type Manufacture this product
Quantity 1.00

Components Miscellaneous Subcontracting

Product	Product Quantity
Handlebars	1.000
Frame Assembly	2.000
Seat	1.000

subcontracting product with 2 qtys

- **Component BOM:**

Bills of Materials / Frame Assembly

Edit Create Print Action 3 / 8

BOM for subcontract

Active

Product Frame Assembly Reference BoM Type Manufacture this product
Quantity 1.00

Components Miscellaneous Subcontracting

Product	Product Quantity
Wheel	2.000
frame	1.000

Raw materials

- **Subcontracting On Component BOM:**

Bills of Materials / Frame Assembly

Edit Create Print Action 3 / 8

Subcontract configuration

Active

Product Frame Assembly Reference BoM Type Manufacture this product
Quantity 1.00

Components Miscellaneous Subcontracting

Subcontract?	<input checked="" type="checkbox"/> Enable subcontracting
Supplier	bikers.co Subcontracting partner
Product	Frame assembly labour costing Subcontracting service used in PO and invoicing
Cost per unit	5,000.00 Cost of service per unit

- **Subcontracting Manufacturing Order:**

Manufacturing Orders / MO/00014

Edit Create Print Action 14 / 14

Check availability Produce Cancel Scrap Unlock Confirmed In Progress Done

MO/00014

Product: bike
 Quantity To Produce: 1.000 **Update**
 Bill of Material: bike

Subcontracts: 1
 Raw Materials: 1
 Receipts: 0

Deadline Start: 10/01/2019 14:22:35
 Responsible: Administrator
 Source Company: YourCompany

Subcontracting purchase order
Delivery of raw material to supplier
Reception of component product from supplier after delivery confirmation

Updates PO, Delivery and Receipt qty before confirmation

Product	To Consume	Reserved	Consumed
handlebars	1.000	0.000	0.000
Frame Assembly	2.000	0.000	0.000
Seat	1.000	0.000	0.000

- **Subcontracting Purchase Order:**

Manufacturing Orders / MO/00005 / Purchases / PO00008

Edit Create Print Action 1 / 1

Send RFQ by Email Print RFQ Confirm Order Cancel RFQ RFQ Sent Purchase Order

Request for Quotation PO00008

Vendor: bikers.co Order Date: 07/02/2019 14:34:34
 Vendor Reference:

Products Deliveries & Invoices

Product	Description	Scheduled Date	Quantity	Received Qty	Billed Qty	Unit Price	Taxes	Subtotal
Frame assembly labour costing	Frame assembly labour costing	07/02/2019 14:34:34	2.000	0.000	0.000	5,000.00		10,000.00 ₹

Labour qty as per required product qty

Untaxed Amount: 10,000.00 ₹
 Taxes: 0.00 ₹
 Total: 10,000.00 ₹

- **Raw Material Delivery To Supplier:**

Manufacturing Orders / WH/MO/00022 / Deliveries / WH/OUT/00029

PRINT LABELS PRINT RETURN UNLOCK DRAFT WAITING READY DONE

☆ WH/OUT/00029

Delivery Address? Deco Addict, Addison Olson Scheduled Date? 08/07/2023 14:44:25
 Operation Type? YourCompany: Delivery Orders Effective Date? 08/07/2023 14:59:10
 Source Document?

Product	Demand	Done
[CONS_89957] Bolt	2.00	2.00
[CONS_25630] Screw	2.00	2.00

- **Receipt of Component Product from Supplier:**

Manufacturing Orders / MO/00005 / Receipts / WH/IN/00006

Edit Create Print Action 1 / 1 < >

Mark as Todo Validate Cancel Draft Waiting Ready Done

WH/IN/00006

Partner bikers.co Scheduled Date 07/02/2019 14:34:34
 Source Document

Product	Initial Demand	Done
Frame Assembly	2.000	0.000

Required product qty

- **Manufacturing Order:**

The screenshot shows the SAP Manufacturing Order (MO) WH/MO/00022. The order is in the 'DONE' status. Key details include:

- Product: bike
- Bill of Material: bike
- Quantity: 1.00/1.00
- Scheduled Date: 08/07/2023 14:39:17
- Responsible: Mitchell Admin
- Company: My Company (San Francisco)

Components table:

Product	To Consume	Consumed
handle	1.00	1.00
frame	2.00	2.00
seat	1.00	1.00

Annotations in the screenshot point to 'Subcontracts' (1) and 'Raw Material' (1), with a note: 'Subcontracting PO Delivery of raw material to supplier.'

- **MO Cancellation:**

The screenshot shows the SAP Manufacturing Order (MO) PO00008, which has been cancelled. The order details are:

- Reference: PO00008
- Order Date: 07/02/2019 14:34:34
- Vendor: bikers.co
- Scheduled Date: 07/02/2019 14:34:34
- Source Document: PO00008
- Untaxed: 10,000.00 ₹
- Total: 10,000.00 ₹
- Status: Cancelled
- Billing Status: Nothing to Bill

A red annotation states: 'PO cancelled upon cancellation of MO'. At the bottom, another red annotation states: 'Similarly delivery and receipt also gets cancelled'.

- **Subcontracting Orders Kanban View:**

The screenshot shows the SAP Subcontracting Orders Kanban View. Key statistics include:

- All RFQs: 15 To Send, 0 Waiting, 16 Late
- My RFQs: 15, 0, 16
- Avg Order Value: ₹ 10,118.22
- Purchased Last 7 Days: ₹ 60,659.33
- Lead Time to Purchase: 0 Days
- RFQs Sent Last 7 Days: 0

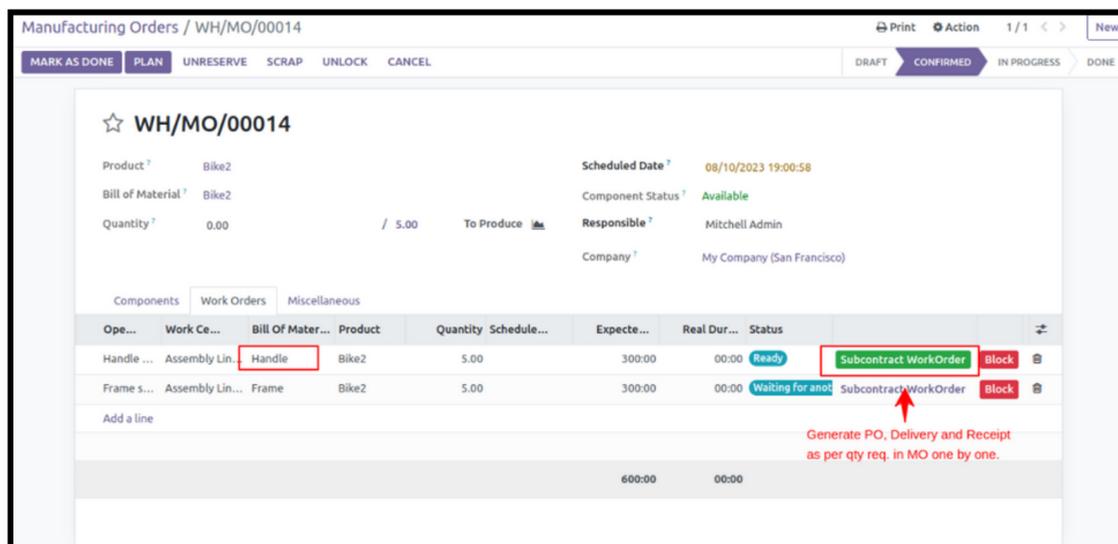
Three purchase orders are displayed:

- Deco Addict, Addison Olson (₹ 10.00) - P00033 08/07/2023 - Purchase Order - WH/MO/00024
- Deco Addict, Addison Olson (₹ 20.00) - P00031 08/07/2023 - Cancelled - WH/MO/00023
- Deco Addict, Addison Olson (₹ 20.00) - P00027 08/07/2023 - Purchase Order - WH/MO/00022

A red annotation states: 'Subcontracting orders kanban view'.

Subcontracting Work Order Module

- This module allows the subcontracting of **Work Orders** or any other **Service Operations** associated with the **Manufacturing** of a product



- The module provides a **Subcontract Work Order** button for the components that are configured to be subcontracted on the manufacturing order form page as seen in the above picture
- When we click on this button it will automatically create **Purchase Order** for raw material, **Receipt** for raw material, **Delivery Order** to deliver them to the subcontracting vendor, **Receipt** for the subcontracted product and then executes the **Manufacturing Order** to create the final **Delivery**
- When any of the above steps are not performed as per configured order then it won't allow the **Manufacturing Order** to be marked as **Done**

Subcontracting Work Order without BOM Module

- This module allows the subcontracting of **Work Orders** or any other **Service Operations** associated with the manufacturing of a product even without **BOM** for any subcontracted components with a **BOM**



Subcontracting Work Order without BOM

This module helps generate purchase order for subcontracting services, raw material delivery order to supplier and receipt automatically from work order by selecting picking type with product and product quantity.



Open: Operations

Operation ? Subcontract Frame Duration Computation ? Compute based on tracked time
 Set duration manually

Work Center ? Assembly Line 1

Apply on Variants ? Default Duration ? 60:00 minutes

Company ? My Company (San Francisco)

Work Sheet Subcontracting

Subcontract? ? Subcontract without BOM? ?

CONFIGURATION

Products ? Service Supplier ? Deco Addict

Cost per unit ? 10.00

Select picking type with product and product qty as required in manufacturing order.

Picking Type	Product	Quantity
Delivery	[CONS_25630] Screw	2
Delivery	[CONS_89957] Bolt	2
Reception	Frame	1

SAVE DISCARD

- This module has similar feature as above module with an additional feature of configuring the **BOM** on the go while setting up the work order

- If **Subcontract Work Orders** is not marked in the manufacturing settings, the subcontracting will also work on MO as per our dependent **Subcontract Module**
- If **Subcontract without BOM** is not marked on routing work order, the subcontracting on work order will work using BOM as per our dependent **Subcontract Work Order Module**

Subcontracting with Product Configuration Module

- This module allows the subcontracting of **Product with BOM** directly from **BOM** configuration page
- When a **Manufacturing Order of Subcontracted Component** is confirmed than the related **Purchase Orders, Receipts** and **Delivery Orders** are generated automatically and upon their successful execution the **Manufacturing Order** can be marked as **Done**



Subcontracting with product configuration on BOM

This module helps generating PO for subcontracting services, raw material delivery order to supplier and receipt automatically from manufacturing order as per the configuration on the bom of the manufacturing product and updates PO, receipt and delivery by updating quantity on the MO.



Bills of Materials / bike

Subcontracting configuration on BOM

Edit Create Print Action 1 / 1

Product bike Reference BoM Type Manufacture this product
Product Variant Quantity 1.00

Components Miscellaneous Subcontracting

Subcontract? **Enable subcontracting**

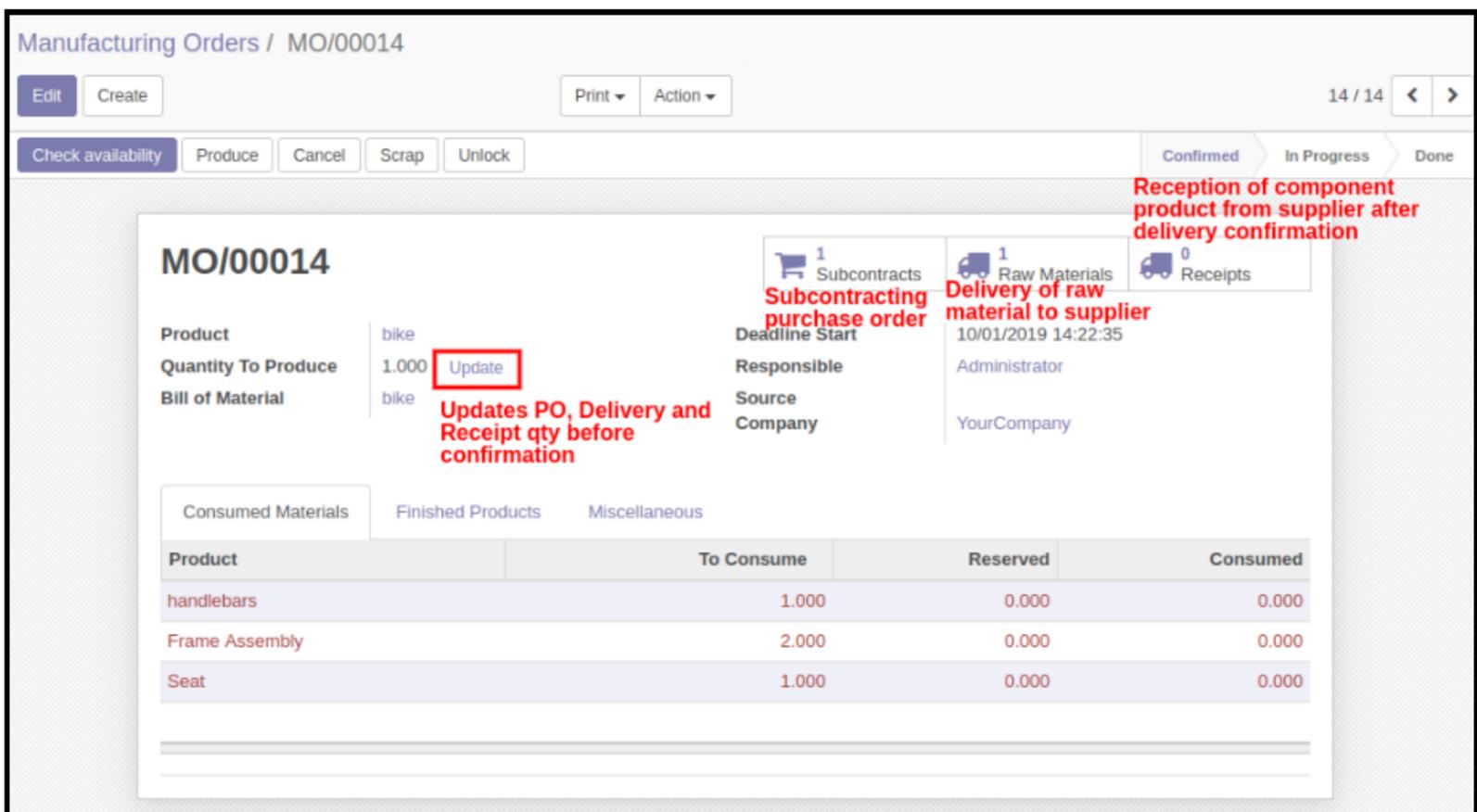
Configuration

Product service **Subcontracting service used in PO and invoicing**
Cost per unit 1,000.00 **Cost of service per unit**
Supplier hero bikes **Subcontracting partner**
Select picking type with products and product quantity as required in manufacturing order

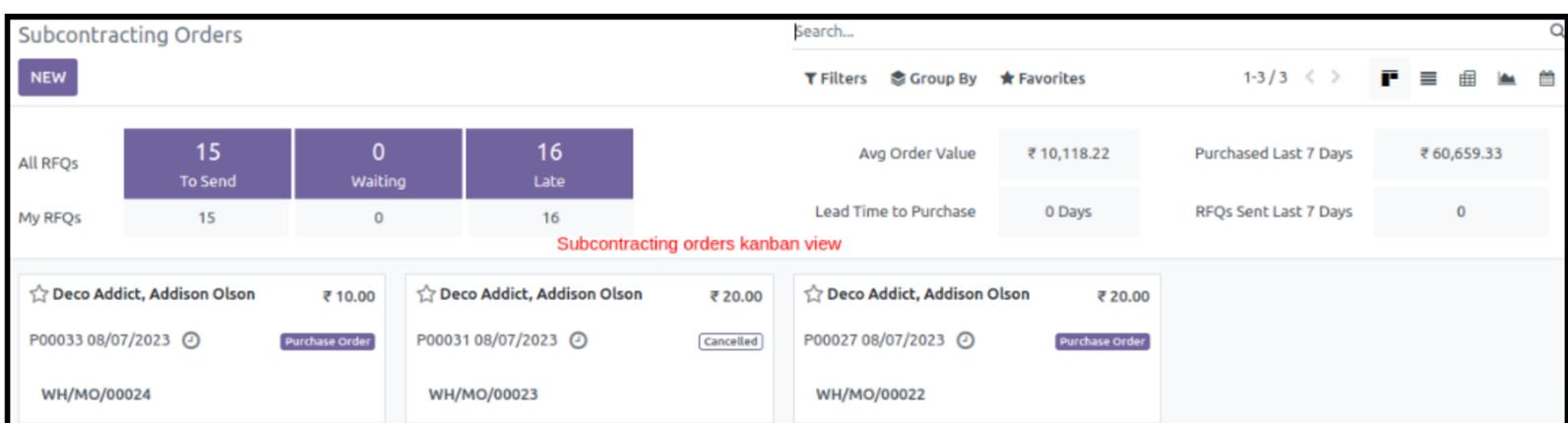
Picking Type	Product	Quantity
Delivery	wheels	4
Delivery For delivery order	frame	2
Reception For receipt	frame assembly	2

- The above picture shows the subcontracting configuration on **BOM**
- The subcontracted component **BOM** can be configured on the subcontracting tab of product BOM page with **Picking Type, Product** and **Quantity**
- The picture below shows the manufacturing order form view
- The **Quantity** of components can be automatically **Updated** as and when they are received or delivered by clicking on **Update** button on the manufacturing order

- **Manufacturing Order Form View**



- **Subcontracting Orders Kanban View**



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