

# Production Control

## Chapter 1. Production Control

### 1.1 Production Record Entry

#### 1.1.1 Material Issue

Navigation: *Control > Add Material Issue*

Users will be able to create a material issue record from this window. After filling up the form with suitable data, users have to click on the **Save** Button. After creating an issue record, an issue delivery will be created. After accepting the delivery record the Raw Material will be transferred from Raw Material Inventory to “Work In Process” inventory.

**Add New Issue**

Scheduled Date	<input type="text" value="2019-07-26"/>	Order	<input type="text" value="PRO-1002"/>	Batch number	<input type="text"/>
Production date	<input type="text" value="2019-07-26"/>	Process	<input type="text" value="PRO-1002 - SPC-Pre"/>	Description	<input type="text"/>
Production time	<input type="text" value="19:26"/>	Step	<input type="text" value="PC Press"/>		
Personnel	<input type="text" value="Md. Abdur Rouf"/>	Unit	<input type="text" value="Pressure Cooker"/>		
Shift	<input type="text" value="Shift P (10am-6pm)"/>	Branch	<input type="text" value="Head Office"/>		
Duration	<input type="text"/>	Inventory	<input type="text" value="Raw Materials Wareh"/>		

**Input Quantity of:**

PC: Elegance 2.5 Ltr

**Items**

	Product Type	Product	Est.Qty.	Qty.
1	Indirect	Coconut Oil	5.00	5.00
2	Direct	Circle (275mm x 3.0mm)	100.00	100.00

Figure 1: Raw Material Issue from Inventory

Issue List

Date from: 2019-07-26 | Order: | Process: |  
Date to: 2019-07-26 | Step: | Product: |  
SEARCH

	Actual Date	Process	Step	Product	Req.Qty.	Quantity
1	2019-07-26	PRO-1002 - SPC-Pressure Cooker	PC Press	Coconut Oil	None	5.00
2	2019-07-26	PRO-1002 - SPC-Pressure Cooker	PC Press	Circle (275mm x 3.0mm)	None	100.00

Figure 37: Raw Material Issue List

### 1.1.2 Material Consumption

Navigation: *Control > Add Material Consumption*

Users will be able to create a material Consumption record from this window. After filling up the form with suitable data, users have to click on the **Save** Button. After creating a consumption record, user will be able to see the consumption list.

Add New Consumption

Scheduled Date: 2019-07-26 | Order: PRO-1002 | Batch number: |  
 Production date: 2019-07-26 | Process: PRO-1002 - SPC-Pree\* | Description: |  
 Production time: 19:36 | Step: PC Press  
 Personnel: Md. Abdur Rouf | Unit: Pressure Cooker  
 Shift: Shift P (10am-6pm) | Branch: Head Office  
 Duration: |

Input Quantity of:  
 PC Elegance 2.5 Lt: 100 | DISTRIBUTE

Items

	Product Type	Product	Est.Qty.	Qty.	threshold_prop_value	Equipment/Part
1	Direct	Circle (275mm x 3.0mm)	100	100		

SAVE

Figure 2 : Consume Raw Material within a Production Order

Consumption List

Date from: 2019-07-26 | Order: | Process: |  
Date to: 2019-07-26 | Step: | Product: |  
SEARCH

	Actual Date	Process	Step	Product	Req.Qty.	Quantity
1	2019-07-26	PRO-1002 - SPC-Pressure Cooker	PC Press	Circle (275mm x 3.0mm)	100.00	100.00

Figure 3: Raw Material Consumption List

### 1.1.3 Material Return

Navigation: *Control > Add Material / Goods Return*

Users will be able to create a material return record from this window to return back the unused raw material to the inventory. After filling up the form with suitable data, users have to click on the **Save** Button. After creating a return record, user will be able to see the return list.

**Add New Return**

Scheduled Date	<input type="text" value="2019-07-26"/>	Order	<input type="text" value="PRO-1002"/>	Batch number	<input type="text"/>
Production date	<input type="text" value="2019-07-26"/>	Process	<input type="text" value="PRO-1002 - SPC-Pre"/>	Description	<input type="text"/>
Production time	<input type="text" value="19:57"/>	Step	<input type="text" value="PC Press"/>		
Personnel	<input type="text" value="Md. Abdur Rouf"/>	Unit	<input type="text" value="Pressure Cooker"/>		
Shift	<input type="text" value="Shift P (10am-6pm)"/>	Branch	<input type="text" value="Head Office"/>		
Duration	<input type="text"/>	Inventory	<input type="text" value="Raw Materials Wareh"/>		

Input Quantity of:

PC: Elegance 2.5 Ltr

Items	Product Type	Product	Est.Qty.	Qty.
1	Direct	Circle (275mm x 3.0mm)		10.00

Figure 4: Return Unused Raw Material to the Store

### 1.1.4 Wastage Record

Navigation: *Control > Add Material Wastage*

Users will be able to create a material wastage record from this window. After filling up the form with suitable data, users have to click on the **Save** Button. After creating a return record, user will be able to see the wastage list.

**Add New Wastage**

Scheduled Date	<input type="text" value="2019-07-26"/>	Order	<input type="text" value="PRO-1002"/>	Batch number	<input type="text"/>
Production date	<input type="text" value="2019-07-26"/>	Process	<input type="text" value="PRO-1002 - SPC-Pre"/>	Description	<input type="text"/>
Production time	<input type="text" value="20:02"/>	Step	<input type="text" value="PC Press"/>		
Personnel	<input type="text" value="Md. Abdur Rouf"/>	Unit	<input type="text" value="Pressure Cooker"/>		
Shift	<input type="text"/>	Branch	<input type="text" value="Head Office"/>		
Duration	<input type="text"/>				

**Input Quantity of:**

PC: Elegance 2.5 Ltr

**Items**

	Product Type	Product	Est.Qty.	Qty.
1	Direct	Circle (275mm x 3.0mm)		2.00

Figure 5: Record the Wastage (Process Step Wise) Against a Production Order

### 1.1.5 Production Record

Navigation: *Control > Add Goods Production*

Users will be able to create a material production record from this window. After filling up the form with suitable data, users have to click on the **Save** Button. After creating a production record, a production delivery will be created. After accepting the delivery record the finished goods will be transferred from the “Work In Process” to “Finished Goods” inventory.

**Add New Production**

Scheduled Date: 2019-07-26 | Order: PRO-1002 | Batch number:   
 Production date: 2019-07-26 | Process: PRO-1002 - SPC-Pre | Description:   
 Production time: 19:51 | Step: PC Press  
 Personnel: Md. Abdur Rouf | Unit: Pressure Cooker  
 Shift: Shift P (10am-6pm) | Branch: Head Office  
 Duration:  | Inventory: Central Warehouse

Input Quantity of:  
 PC: Elegance 2.5 Ltr:  **DISTRIBUTE**

Items

	Product Type	Product	Est.Qty.
1	Direct	PC: Elegance 2.5 Ltr	100

**SAVE**

Figure 6: Record about the Produced Finished Goods

Production List

Date from: 2019-07-26 | Date to: 2019-07-26 | Order: | Process: | Step: | Product: | SEARCH

	Actual Date	Process	Step	Product	Req.Qty.	Quantity
1	2019-07-26	PRO-1002 - SPC-Pressure Cooker	PC Press	PC Elegance 2.5 Ltr	100.00	100.00

## 1.2 Production Deliveries

Navigation: *Control > Production Deliveries*

Users will be able to see all the production delivery like Issue , Production list from here as well as to change the state of the deliveries like , pending , accept , close, reject.

Manufacturing Deliveries

Party: [ ] Branch: [ ] From: 2019-07-19 To: [ ] SEARCH

Challan No: [ ] Status: -All Project: [ ]

Number	Order Number	Type	Ref Voucher	Posted	Date	Party	Amount	Project	Description	Completed By	Created By	Branch
1	MP-1001	Production	✓	✓	Yesterday		0.00 BDT		Auto Material Production Delivery from Manufacturing module	su	su	Head Office
2	Mi-1002	Material Issue	✓	✓	Yesterday		0.00 BDT		Auto Material Issue Delivery from Manufacturing module	su	su	Head Office
3	Mi-1002	Material Issue	✓	✓	Yesterday		0.00 BDT		Auto Material Issue Delivery from Manufacturing module	su	su	Head Office
4	Mi-1001	Material Issue	✓	✓	Yesterday		0.00 BDT		Auto Material Issue Delivery from Manufacturing module	su	su	Head Office

RT: 0.94 Page 1 of 1 25 View 1 - 4 of 4

Accept Reject Pending Close

Figure 7: List of All Issue & Production Delivery

### 1.3 Unit wise Product Stock

Navigation: Control > Unit Wise Product Stock

User will be able to see the “work in Process” stock from various production unit.

Unit wise Product Stock

Date from: 2017-07-26 Product: [ ] SEARCH

Date to: 2019-07-26

Unit	Product	UoM	Quantity
1 Pressure Cooker	A. Circuit Breaker 20	Pieces	50.00
2 Pressure Cooker	Coconut Oil	Centimeter	50.00
3 Pressure Cooker	G.I. Waire 6 No.	Kilogram	50.00
4 Pressure Cooker	M.S. Rod 1/4	Kilogram	50.00
5 Pressure Cooker	M.S. Rod 3/8	Kilogram	50.00
6 Pressure Cooker	PC Elegance 2.5 Ltr	Pieces	200.00

Figure 8: Production Unit Wise Material Stock

### 1.4 Packaging

Navigation: Control > Packaging

Users will be able to create packages with the produced product using this feature. Fill up the form with suitable data then click on the **Save** button.

### Add New Package

**Package Information**

Order »

Packing date »

Net weight (kg) »

Package number »

Dimension »

**Package Products**

	Product	Quantity
1	PC: Elegance 2.5 Ltr	100.00
+ -		

Figure 9: Add New Package

**List of Packages**

Order

Net weight

Dimension

Packing date

Package

State

Order	Net weight	Packing date	Package number
1	PRO-100: 120.00	2019-07-	102

**Package**

**Package Information**

Order: PRO-1002      Packing date: 2019-07-26

Net weight: 120.00      Package number: 102

Dimension: 12      State: Active

**Package Products**

	Product	Quantity
1	PC: Elegance 2.5 Ltr	100.00

Figure 10: Package List

## 1.5 Shipment

Navigation: *Control > Shipment*

Users will be able to create a shipment record using this feature. To enter the record user have to input suitable data then click on the **Save** Button. After saving, the user will be transferred to a list page with all shipment record list.

### Add New Shipment

**Shipment Information**

Order > PRO-1002

Shipment date > 2019-07-26

Destination > Khulna

State Active


 **SAVE**

Figure 11: Add Shipment


### List of Shipments

Order

Shipment date 2019-07-26

Destination

State All

 **SEARCH**

	Order	Shipment date	Destination
1	PRO-1002	2019-07-26	Khulna

### Shipment

**Shipment Information**

Order PRO-1002

Shipment date 2019-07-26

Destination Khulna

State Active

Figure 12 : List of Shipment