



IHMS LAB MODULE

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Table of Contents Lab Module

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Introduction

The Lab workflow includes following essential process

Lab Billing

Lab Order

Sample Collection

Sample Accept Reject

Resulting

Result Review

Report Release

Resulting And (OUTSOURCE)

Modify Order

Work load list

Application Login:-

Log in into the application with SSO ID and password using <https://sso.rajasthan.gov.in/signin>

Secure | <https://sso.rajasthan.gov.in/signin>



Rajasthan Single Sign On v9.0

One Digital Identity for all Applications

ENG हिन्दी



SKOCH AWARD (GOLD)

SMART GOVERNANCE AWARD 2017



Digital Identity (SSOID/ Username)

[Forgot Digital Identity \(SSOID/ Username\)](#)

Password

[Forgot Password](#)

4 8 7 1 7 0 Enter Captcha [↻](#)

[REGISTER](#) [LOGIN](#) [CANCEL](#)

[CLICK HERE FOR HELPDESK DETAILS](#)

1,69,25,01,53

Configuration

Log in hospital admin role

click on configuration > billing > service

To Pull the service in your hospital

Select service name > select tariff > enter amount > hospital code > if service is outsource then mark outsource flag as yes > add > service is configured In your hospital

The screenshot shows the HMS Configuration interface. At the top is a navigation bar with icons for various modules: Appoint..., Admiss..., Billing, Pharma..., Stock, Lab, Eqpt/Assets, Blood Bank, Imaging, Queue Manage..., Configur..., Care, and CSSD. On the right of the navigation bar are icons for Reset, a notification bell, a calendar, and a user profile for 'FMS TEAM'. Below the navigation bar is a green header with the text 'MANAGE SERVICES MASTERS LIST'. Underneath this header are five buttons: 'Service Master', 'Services', 'Plan Master', 'Cash Counter', and 'Cancellation Reason'. To the right of these buttons are 'Expand' and 'Back' buttons. The main content area contains a form with the following fields:

Service	Tariff	Rate	Code
INTRAVENOUS PYELOGRAM (IVP) ... *	ALL *	0	Code

Below the form are three toggle switches:

- Is Outsourced: Yes (selected), No
- Is Mlc: Yes (selected), No
- Hold for Billing: Yes (selected), No

An 'ADD' button is located at the bottom right of the form.

Lab Billing

- Log in with Lab billing role
- Click on OP/IP screen > enter HID
- If patient is an OP patient then Auto selected as OP and If patient is an IP patient then Auto selected as IP.



Billing



Bill List



OP/IP



Receipt List



Doctor's Share

OP/IP BILL

HID



HID

Mobile No



91

• Search the service by entering name or code and select then click on confirm

OP BILL



Patient Name:
 OPD No:
 HID:
 Mobile No:
 Patient Category:
 Remark:

Billing Category*:

▾

Fresh Billing

Actions	Service / Package	Priority	Imaging Location	Rate (₹)	QTY	Total Amount (₹)
✕	SGOT 25-05-2023	STAT ▾		25.00	1	0.00
✕	BLOOD SUGAR(FASTING) 25-05-2023	STAT ▾		20.00	1	0.00
✕	ADVANCE HEMAT CBC TEST 25-05-2023	STAT ▾		90.00	1	0.00
Gross Bill Amount						₹135.00
Concession % /Amount						100.00 / ₹135.00

CONFIRM

- After confirm bill generated

AAROGYA MULTISPECIALIST HOSPITAL

SHIVAJI NAGAR NEAR ABP HOUSE

Phone :- 2556757500

District/Pincode :- 411001

FINAL BILL

Patient's Name : MR. TESTAJIT | 34Y /M
Doctor : Dr. palliative kumar
HID : 290523000395835 | V/AROGYA/23/96504
Bill ID : 405562
Bill No. : AROGYA/I/23/335644
Bill Date : 29-05-2023 11:11 AM
Category : DOMICIAL OF RAJASTHAN
Operator Name : aarogya.ha

S No.	Particulars	Quantity	Amount
LABORATORY			
BIO			
1.	CBC	1	100.00
CENTRAL LAB			
1.	Hemoglobin	1	200.00
2.	BLOOD SUGAR	1	100.00

Total Amount **400.00**
Total Discount **400.00**
Total NetAmount **0.00**

Amount in Words : Zero Rupees only.

PayMode	Receipt	Date	Amount
---------	---------	------	--------

Barcode Generation

- After Billing Screen redirects to the screen where Barcode can be generated. Click on the check box under Generate barcode.

Navigation: HMS, Billing, Bill List, OP/IP, Advance Refund, Receipt List, Attendant Pass, Doctor's Share, Estimation, Credit Note List, Cross Ser... Order, Package Subscripti...

User: Aarogya HospitalAdmin

Section: SAMPLE COLLECTION

BACK

Name: MR. TESTAJIT HID: 290523000395835 Age/Sex: 34Y /M
Consultant: Dr. Palliative Kumar OutSource Type: External Ordering Location: AAROGYA HOSPITAL

Lab Investigation	Category	Order Id	Container	Sample No.	Sample	Collection Date Time	Generate Barcode	Barcode
BLOOD SUGAR	BIOCHEMISTRY	350731	RED	0	BLOOD		<input type="checkbox"/>	
CBC	MICROBIOLOGY	350733	RED	0	BLOOD		<input type="checkbox"/>	
Hemoglobin	HEMATOLOGY	350732	RED	0	BLOOD		<input type="checkbox"/>	

Navigation: HMS, Billing, Bill List, OP/IP, Advance Refund, Receipt List, Attendant Pass, Doctor's Share, Estimation, Credit Note List, Cross Ser... Order, Package Subscripti...

User: Aarogya HospitalAdmin

Section: SAMPLE COLLECTION

BACK

Name: MR. TESTAJIT HID: 290523000395835 Age/Sex: 34Y /M
Consultant: Dr. Palliative Kumar OutSource Type: External Ordering Location: AAROGYA HOSPITAL

Lab Investigation	Category	Order Id	Container	Sample No.	Sample	Collection Date Time	Generate Barcode	Barcode
BLOOD SUGAR	BIOCHEMISTRY	350731	RED	1664	BLOOD	29-05-2023 11:15	<input checked="" type="checkbox"/>	MR. TESTAJIT 34/M 29-05-2023 405562
CBC	MICROBIOLOGY	350733	RED	1666	BLOOD	29-05-2023 11:15	<input checked="" type="checkbox"/>	MR. TESTAJIT 34/M 29-05-2023 405562
Hemoglobin	HEMATOLOGY	350732	RED	1665	BLOOD	29-05-2023 11:15	<input checked="" type="checkbox"/>	MR. TESTAJIT 34/M 29-05-2023 405562

Sample Acceptance or Rejection

- Enter sample no then patient reflect on screen if sample are available in lab then select yes if not available in lab the reject and enter reason

The screenshot shows the 'SAMPLE ACCEPT/REJECT' interface. At the top, there is a navigation bar with various icons for Lab, Collection, Accept/Reject, Resulting, Review, Report Release, Print All Report, Machine Result, Critical Reports, Show Test Wise, Resulting And, Work LoadList, and Approve Covid-19. The user is logged in as 'Aarogya HospitalAdmin'. Below the navigation bar, there is a search bar and tabs for 'OPD' and 'IPD'. A 'Sample No/Bill No' field is present. A dropdown menu shows '10'. The main content area displays a patient record for 'MR. TESTAJIT' (34Y /M, 290523000395835, V/AROGYA/23/96504) and a table of test results. The table has columns for 'Parameter Name', 'Acceptance Date Time', 'Sample Status', 'Sample No.', 'Remarks', and 'Barcode'. The 'Sample Status' column for 'BLOOD SUGAR' is highlighted with a green checkmark and a red 'X' icon, indicating a rejection.

Parameter Name	Acceptance Date Time	Sample Status	Sample No.	Remarks	Barcode
BLOOD SUGAR		<input checked="" type="checkbox"/> <input type="checkbox"/>	1664		

The screenshot shows the 'SAMPLE ACCEPT/REJECT' interface with a modal dialog box open. The dialog has a title bar with a close button (X). It contains two fields: 'Sample Reject Reason*' with a dropdown menu showing 'Select', and 'Remarks' with a text input field. A 'CONFIRM' button is located at the bottom right of the dialog. The background shows the same interface as the previous screenshot, but with the modal dialog overlaid.

Sample Reject Reason*

Remarks

CONFIRM

Lab Resulting

- Enter sample no then patient reflect in the screen and enter result value and release report

Navigation bar with icons for: Lab, Collection, Accept/Reject, Resulting, Review, Report Release, Print All Report, Machine Result, Critical Reports, Show Test Wise, Resulting And, Work LoadList, Approve Covid-19. User: Aarogya HospitalAdmin

SAMPLE RESULTING

Search OPD IPD All Stat Pending Resulted Filter

10 ▾

	MR. TESTAJIT 34Y /M 290523000395835 V/AROGYA/23/96504	405562	Acceptance Center : AAROGYA HOSPITAL
--	---	--------	---

BIOCHEMISTRY		MICROBIOLOGY		HEMATOLOGY	
Test Name	Sample No.	Status		Re-Test	
<input checked="" type="checkbox"/> BLOOD SUGAR ⓘ	1664	On-hold	Pending	Release	Reject Result and Re-Test
Parameter	Unit	Reference Range	Result	Normal/High/Low	Notes
BLOOD SUGAR	mg/dl	70-115	<input type="text" value="-"/>		Select Option ▾

RELEASE ALL REPORT

Result Review

- System will display the result, if the result is wrong and want to hold then click on Hold. If retest need to be done then click on Reject Result and Retest.

RESULT REVIEW

Search OPD IPD Sample No/Bill No

All Pending Hold Released Filter

10

MR. TESTAJIT
34Y /M
290523000395835
V/AROGYA/23/96504

405562

Resulting Center :
AAROGYA HOSPITAL

BIOCHEMISTRY

Test Name	Sample No.	Hold/Unhold	Re-Test
<input checked="" type="checkbox"/> BLOOD SUGAR ⓘ	1664	<input type="radio"/> H	<input type="button" value="Reject Result and Re-Test"/>

Parameter	Unit	Reference Range	Result	Normal/High/Low	Notes
BLOOD SUGAR	mg/dl	70-115	11	<input type="radio"/> Low	<input type="text" value="Select Option"/>

Release Report

- Select patient name, on right side select the check box beside test name and click on test name.

The screenshot shows the HMS Report Release interface. The top navigation bar includes icons for Lab, Collection, Accept/Reject, Resulting, Review, Report Release, Print All Report, Critical Reports, Show Test Wise, and Modify Order. The main header is 'REPORT RELEASE' with a search bar and filters for OPD and IPD. A dropdown menu shows '10' items. The table lists patients: MR. SHIVAM PAN. (43Y /M) and MR. HOLIDAY GH. (45Y /M), both from SAWAI MAN SINGH HOSPITAL. The Microbiology section is active, showing a table with columns: Test Name, Sample No, and Hold/Unhold. The test 'BLOOD ANEROBIC CULTURE' (Sample No: 7014) is selected with a checkmark. A 'Print Report' button is visible.

Test Name	Sample No	Hold/Unhold
<input checked="" type="checkbox"/> BLOOD ANEROBIC CULTURE	7014	<input type="checkbox"/>

The screenshot shows the HMS Report Release interface for Biochemistry tests. The top navigation bar includes icons for Lab, Collection, Accept/Reject, Resulting, Review, and Report Release. The main header is 'REPORT RELEASE' with a search bar and filters for OPD and IPD. A dropdown menu shows '10' items. The table lists a patient: Test App. 23/M (2903180159561) from PHC JAWHAR NAGAR, with Dr. Rajni Chaudhary as the resulting center. The Biochemistry section is active, showing a table with columns: Test Name, Sample No, and Hold/Unhold. The test 'Sugar (PP)' (Sample No: 89-1) is selected with a checkmark. A 'Scan Barcode' input field is present above the table.

Test Name	Sample No.	Hold/Unhold
<input checked="" type="checkbox"/> Sugar (PP)	89-1	<input type="checkbox"/>

- After releasing the report system will generate the Result report, print the report

AAROGYA MULTISPECIALIST HOSPITAL

SHIVAJI NAGAR NEAR ABP HOUSE

Phone :- 2556757500

District/Pincode :- 411001

Duplicate Copy

Patient's Name : MR. TESTAJIT
Age : 34Y /M
Sample Type : BLOOD
Bill ID : 405562
Bill/Visit Number : AROGYA/I/23/335644
Department : PALLIATIVE MEDICINE

HID : 290523000395835
Report Status : Final
Bill Date : 29/05/2023 11:11:34
Patient Category : DOMICIAL OF RAJASTHAN
Report Date : 29/05/2023 12:29:05

Test Name/Parameter	Result/Notes	Unit	Reference Range
BLOOD SUGAR BLOOD SUGAR	11	mg/dl	70-115

----- Report Electronically Signed -----



Aarogya HospitalAdmin

Test Report are subjected to Technical limitations should be correlated clinically.

*****END OF REPORT*****

Print a Report

- Click on lab and click on Print all Reports, enter Bill ID / Bill No / HID and OPD or IPD No.



PRINT ALL REPORT



Reset

HID

OPD/IPD No

Bill No.

Bill Id

Path No.

WhatsApp report

- If Whatsapp report generation Consent was taken while billing. Then only Final reports will be shared on whatsapp of registered Contact no.



5 April 2024

SIR PADAMPAT INSTITUTE OF NEONATOLOGY AND
PEDIATRIC HEALTH
NEAR TRIMURTI CIRCLE, GANGAWAL PARK JLN MARG

Lab Report

Patient's Name : MR. AADISH GUPTA
Age : 2Y 2M /M
Ward : MEDICAL UNIT 5
Bill Date : 05/04/2024 11:38:25
Billing Center : DISCOUNTS OF RAJASTHAN

HID : 050222110312726
Report Status : Final
Admission Date : 05/04/2024 10:18:53
Bill ID : 359275244
Bill No. : HD_05022110312726

patho_report_55815fd3-91e8-44...
7.3 kB · PDF

नमस्ते AADISH GUPTA,

HID नंबर 050222110312726 के लिए
आपकी रिपोर्ट डाउनलोड करने के लिए तैयार
है।

iHMS - राजस्थान सरकार

11:46

SIR PADAMPAT INSTITUTE OF NEONATOLOGY AND
PEDIATRIC HEALTH
NEAR TRIMURTI CIRCLE, GANGAWAL PARK JLN MARG

Lab Report

Patient's Name : MR. AADISH GUPTA
Age : 2Y 2M /M
Ward : MEDICAL UNIT 5
Bill Date : 05/04/2024 11:38:25
Billing Center : DISCOUNTS OF RAJASTHAN

HID : 050222110312726
Report Status : Final
Admission Date : 05/04/2024 10:18:53
Bill ID : 359275244
Bill No. : HD_05022110312726

patho_report_ce9082a7-f581-4b...
7.3 kB · PDF

नमस्ते AADISH GUPTA,

HID नंबर 050222110312726 के लिए
आपकी रिपोर्ट डाउनलोड करने के लिए तैयार
है।

iHMS - राजस्थान सरकार

12:15

- After download the report on Whats app

SIR PADAMPAT INSTITUTE OF NEONATOLOGY AND PEDIATRIC HEALTH

NEAR TRIMURTI CIRCLE, GANGAWAL PARK JLN MARG

Lab Report

Patient's Name : MR. AADISH GUPTA

HID : 050222110312728

Age : 2Y 2M /M

Report Status : Final

Ward : MEDICAL UNIT 5

Admission Date : 05/04/2024 10:18:53

Bill Date : 05/04/2024 11:38:25

Bill ID : 359275244

Patient Category : DOMICILE OF RAJASTHAN

Bill No : JKLJP/24/210559

Report Date : 05/04/2024 12:15:38

Opd/Ipdi No : A/JKLJP/24/14505

Department : PEDIATRIC MEDICINE

JKLOAN BIO REPORT

Test Name/Parameter	Result/Notes	Unit	Reference Range
Urea	18.89	mg/dL	10-50
SERUM Creatinine	0.31	mg/dL	Male 0.6-1.5 Female 0.6-1.4
SERUM CALCIUM	10.25	mg/dL	8.8-10.2
Electrolyte			
Na	141.8	mmol/L	135-145
K	4.58	mmol/L	3.5-5.5
Cl	108.9	mmol/L	95-105
SERUM BILIRUBIN			
Total Bilirubin	0.68	mg/dL	Up To 1.1
Direct Bilirubin	0.29	mg/dL	Up To 0.25
Indirect Bilirubin		mg/dL	0.2-1.0
SERUM BILIRUBIN DIRECT			
Direct Bilirubin	0.29	mg/dL	Up To 0.25
SGOT	92.52	U/L	0-35
SGPT	25.58	U/L	0-40

Test Report are subjected to Technical limitations should be correlated clinically.

*****END OF REPORT*****

Resulting And (OUTSOURCE)

- Enter Bill ID and all tests done under same bill id will reflect.

Navigation bar with icons for: HMS, Lab, Collection, Accept/Reject, Resulting, Review, Report Release, Print All Report, Machine Result, Critical Reports, Show Test Wise, Resulting And, Work Load List, Approve Covid-19. User: Nirogya HospitalAdmin

LAB STATUS REPORT

From Date: 2023-05-27 To Date: 2023-05-29



Search filters: Hospital Name (Select), Location (Select Option), Bill No (Bill No), Bill Id (405601), HID, OPD / IPD (OPD, IPD, Both), Path No (Path No)

10 Search

Hospital	Date	HID	Patient Name	Gender / Age	Test Name	Sample No	Status	OPD / IPD No.	Bill No.
AROGYA HOSPITAL	29-05-2023 15:20	290523000395838	MRS HIMANI	F / 33Y	BLOOD SUGAR RANDOM	1678	Accepted	V/AROGYA/23/96507	AROGYA/I/23/335683



- Click on accepted then showing test parameter.
- If Analyser is integrated with IHMS then result will auto fill but if Analyser is not integrated then fill the result manually and then Confirm/ Release for review.

Hospital Name: | Location: | Bill No: | Bill Id:

HID: | OPD / IPD: OPD IPD Both | Path No:

Hospital	Date	HID	Patient Name	Gender / Age	Test Name	Sample No	Status	OPD / IPD No.	Bill No.
AROGYA HOSPITAL	29-05-2023 15:20	290523000395838	MRS HIMANI	F / 33Y	BLOOD SUGAR RANDOM	1678	Accepted	V/AROGYA/23/96507	AROGYA/I/23/335683

Test Name	Sample No.	Status	Re-Test
BLOOD SUGAR RANDOM	1678	On-hold Pending Release	Reject Result and Re-Test

Parameter	Unit	Reference Range	Result	Normal/High/Low	Notes
BLOOD SUGAR RANDOM	mg/dl	80-140	-		Select Option

PREVIOUS RESULT | UPLOAD

CONFIRM | RELEASE FOR REVIEW

RELEASE ALL REPORT

- User can change the status after release for review if required and check before release for finalize.

HMS
>

LAB STATUS REPORT

From Date:
To Date:

Hospital Name:

Location:

Bill No:

Bill Id:

HD:

OPD / PD: OPD PD Both

Path No:

Search

Hospital	Date	HID	Patient Name	Gender / Age	Test Name	Sample No	Status	OPD / IPD No.
AAROGYA HOSPITAL	29-05-2023 15:20	29052300C395833	MRS HIMANI	F / 33Y	BLOOD SUGAR RANDCM	1678	Released for Review	V/AROGYA/23/96507

Tes: Name	Sample No.	Hold/Unhold	Re-Test:
<input checked="" type="checkbox"/> BLOOD SUGAR RANDCM	1678	⊖	Reject Result and Re-Test

Parameter	Unit	Reference Range	Result	Normal/High/Low	Notes
BLOOD SUGAR RANDCM	mg/dl	80-140	11	Low	<input type="text" value="Select Option"/>

Modify Order

- Select the date of lab results and enter HID
- If the patient is an outsource hospital then mandatory HID and BILL ID.
- Enter Hid you will see patient details below and set the status(collect / Accept / Result / Review) of the patient lab according to doctor guidance as you can in the

Navigation bar with icons for: Lab, Collection, Accept/Reject, Resulting, Review, Report Release, Print All Report, Machine Result, Critical Reports, Show Test Wise, Resulting And, Approve Covid-19, and Modify Order. User: Aarogya HospitalAdmin

MODIFY LAB ORDER STATUS



From Date 2022-09-06

To Date 2022-09-08

HID

070922000334466

10

Search

Sr. No.	Patient	Date	Bill No.	Test Name	Order No	Sample No	Current Status	Set Status
1	MR. SOMESH (45Y M) 070922000334466	07-09-2022 12:42	AROCYA/I/22/272634	PARAMETER TEST	288660	3029	RELEASED	Collect Accept Result Review
2	MR. SOMESH (45Y M) 070922000334466	07-09-2022 12:52	AROCYA/I/22/272635	Hemoglobin	288661	3030	RESULTED	Collect Accept

Work Load List

- Services against single bill id as work load list for end user.
- If tests are not released then check the pending test like status on work load list.

Navigation bar with icons for Lab, Resulting, Review, Report Release, Print All Report, Machine Result, Critical Reports, Show Test Wise, Grouping And Test, Resulting And, Work LoadList, Modify Order, Service Status, and FMS TEAM.

LAB WORK LOAD REPORT

From Date: 2023-07-31T01:02 To Date: 2023-07-31T16:18

Reset

OPD / IPD: OPD IPD Both

Hospital Name: SAWAI MAN SINGH HOSPITAL

Building*: SELECT

Location: BIOCHEM CENTRAL

Test Name*: SELECT

Status*: ALL

Pending Status: YES NO

SR NO.	Date	Lab Unique Id	Bill Id	HID	PatientName	Test Name
SAWAI MAN SINGH HOSPITAL						
1	31/07/2023 01:05:58	20230731463064	272272517	060221122915781	Aarti Chopra	BLOOD SUGAR RANDOM SERUM UREA SERUM Creatinine Electrolyte SERUM BILIRUBIN SGOT SGPT SERUM CPK-MB SERUM AMYLASE

Configuration Machine integration

1. Create machine
2. Mapping Machine name and Test name
3. Mapping Machine name, Test name, Parameter name and Machine parameter code

1. Create machine

- Log in hospital admin role
- Click on configuration > Pathology > Machine master > Add Machine

MANAGE MACHINE MASTER MASTERS LIST

Machine Master Patho Param Machine Map Machine Test Cabin Lab Name Master

Antibiotic Machine Map Organism Machine Map Zone Master

Collapse Back

Download Upload Add Machine

Search

Id	Machine Name	Status	Actions
----	--------------	--------	---------

No Data Found

- Enter the machine name and click the **Confirm** button.

MANAGE MACHINEMASTERS

Machine Master Patho Param Machine Map Machine Test Cabin Lab Name Master

Antibiotic Machine Map Organism Machine Map Zone Master

Collapse Back

Reset Back

Enter machine name here and click on confirm button

Machine Name

CONFIRM

2. Mapping Machine name and Test name

- Log in hospital admin role
- Click on configuration > Pathology > Machine Test > Add Machine test
- Select the test name and machine from the drop-down lists, then click the **Confirm** button.

The screenshot shows the HMS software interface for 'MANAGE MACHINE TEST MASTERS'. The top navigation bar includes icons for various functions: HMS logo, Configur..., Appoint..., Admin, Masters, TIU XMLs, TIU designer, Add Shift, Applicati..., Producti..., Shift Roster, IPD Roster, Backgro..., and Machine Configur... On the right side of the navigation bar are icons for Reset, a bell, a calendar, a profile icon, and the name 'Arya'. Below the navigation bar is a green header with the text 'MANAGE MACHINE TEST MASTERS'. Underneath this header are five buttons: 'Machine Master', 'Patho Param Machine Map', 'Machine Test', 'Cabin', and 'Lab Name Master'. To the right of these buttons are 'Expand' and 'Back' buttons. Below the buttons are two input fields: 'Patho Test Name*' with a dropdown menu showing 'SERUM UREA' and 'Machine Name*' with a dropdown menu showing '* LABTECH 430'. At the bottom right, there are 'Reset' and 'Back' buttons, and a large green 'CONFIRM' button.

Select test name from drop down and click on confirm button.

CONFIRM

3. Mapping Machine name, Test name, Parameter name and Machine parameter code

- Log in hospital admin role
- Click on configuration > Pathology > Patho Param Machine Map > Add Patho Param Machine Map
- Enter the required details, including Machine Parameter Code, Parameter Name (selected from the drop-down), Machine Name, Test Name (selected from the drop-down).

The screenshot shows the 'MANAGE PATHOPARAMMACHINEMAPS' interface. The top navigation bar includes icons for various system functions like Configuration, Appointment, Admin, Masters, TIU XMLs, TIU designer, Add Shift, Application Documents, Product Issues, Shift Roster, IPD Roster, Background Tasks, and Machine Configuration. Below the navigation bar, there are several menu items: Machine Master, Patho Param Machine Map, Machine Test, Cabin, Lab Name Master, Antibiotic Machine Map, Organism Machine Map, and Zone Master. The main form area contains the following fields:

- Machine Parameter Code***: Text input field containing 'UREA'.
- Parameter Name***: Dropdown menu showing 'UREA'. A note below reads 'Parameter Name is Mandatory'.
- Machine Name***: Dropdown menu showing 'LABTECH 430'.
- Test Name***: Dropdown menu showing 'UREA'. A note below reads 'Test Name is Mandatory'.
- Conversion Factor***: Text input field containing '1'.
- Reference Range**: Text area for entering reference ranges.

At the bottom right, there are buttons for 'Collapse', 'Back', 'Reset', and 'Back'. Below the form, there is a section for 'Add Reference Range' with minus and plus buttons. At the very bottom, a text instruction says 'Fill the details and click on confirm button.' followed by a hand-drawn arrow pointing to a 'CONFIRM' button.

Machine Result

- Then select the machine from the dropdown you will see resulting according to the machine then after that it will reflect to the Review screen

The screenshot displays the 'Machine Resulting' interface of the Aarogya HospitalAdmin system. The top navigation bar includes icons for Lab, Collection, Accept/Reject, Resulting, Review, Report Release, Print All Report, Machine Result, Critical Reports, Show Test Wise, Resulting And, Approve Covid-19, and Modify Order. The user is logged in as 'Aarogya HospitalAdmin'. The main section is titled 'MACHINE RESULTING' and features a search bar, a dropdown for '10', and buttons for 'OPD', 'IPD', 'Sample No', 'All', 'Pending', 'Released', and 'Filter'. A table with columns 'HID' and 'Patient Name' is visible. A 'Select Machine' dropdown menu is open, showing a list of machine models: Select Machine, ABC, AU_680 (highlighted), CORONAMACHINE, MACHINE, MACHINF A, MAGLUMI, MASTER, MAX, RANDOX, RANDOXIMOLA, RNX_IMOLA, RXIMOLA, SFRI, SFRI 1, SIEMENS ADVIA CENTAUR XP, SMS_ADVIA_XP2, SMS_BIO_ADAMS_ARKRAY, SMS_BIO_AU680_1, and SMS_BIO_AU680_2.

Machine Integration

Some Basic Need At Client Side :-

- Computer attached to the machine
- Internet Connection
- Cable available as mentioned in the Manual or Ask vendor for the same
- Staff for executing sample test on the machine for testing

Hardware/Infrastructure requirements:

Below is the basic required hardware in order to implement a lab machine:

→ Recommended Config:

- CPU 2 Ghz or higher
- RAM 4 GB
- OS: MS Windows 10 x64 bit
- Onboard COM port DB-9 or PCI extension
- Inbuilt LAN-Card or PCI-NIC extension
- Active Internet connection

Note: Use of USB to RS232/COM and USB to Ethernet convertor is not recommended.

Workstation config incase of multiple machine integration using centralized implementation:

- > CPU 3 Ghz or higher
- > RAM 16 GB
- > OS: MS Windows 10 x64 bit
- > Onboard COM port DB-9 or PCI extension (2 or 4)
- > Inbuilt LAN-Card or PCI-NIC extension (2 or 5 conditional)
- > Active Internet connection

THANK YOU