Release Notes – Summary of Lab

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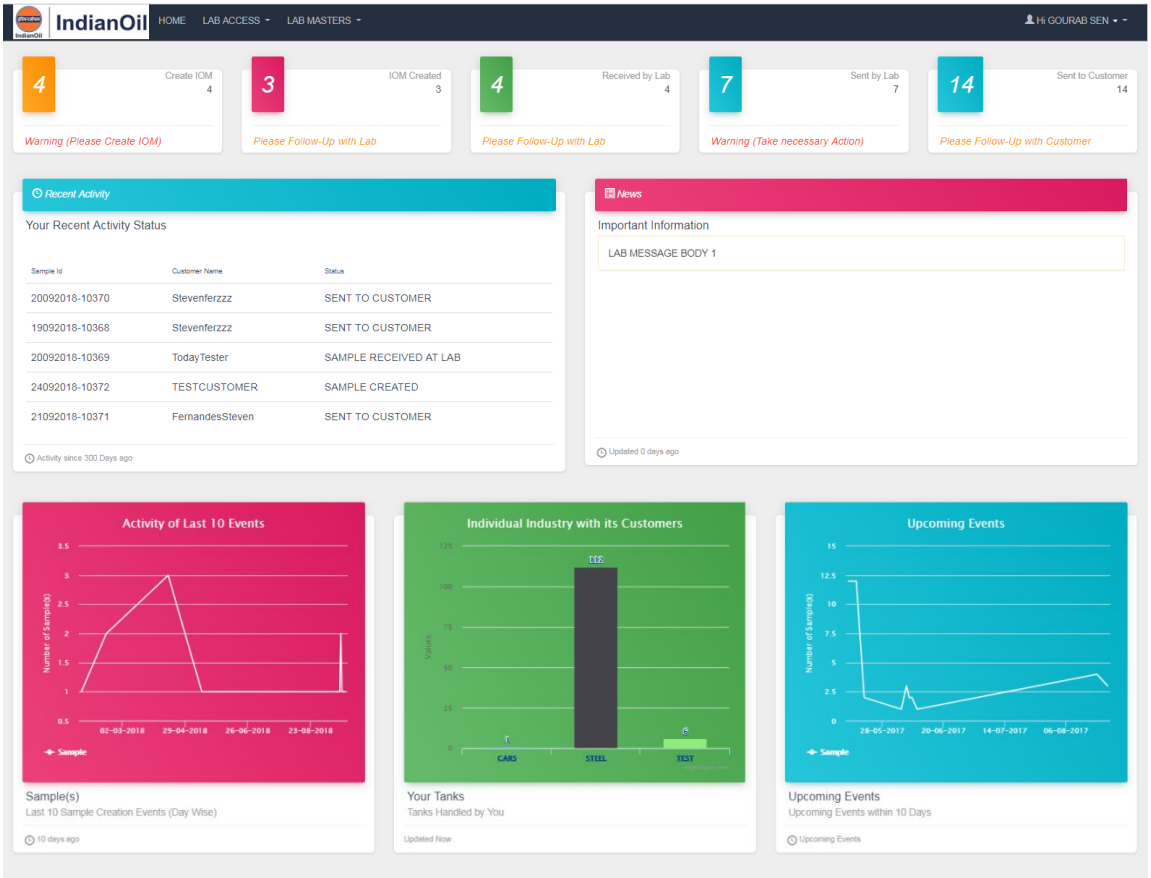
  - Acknowledging the sample upon received, physically.
  - Processing the samples and forwarding to the TSE.
  - Review/Check the sample sent to
    1) TSE
    2) Customer
  - Lab Equipment
  - TSE Admin module
  - Lab-Test Status
  - Test Specification View

This software helps in condition monitoring program. There are two kinds of roles as of now—TSE and LAB.

1.0 NEW FEATURES/FUNCTIONALITY ADDED

1.1 Dashboard

All four roles have Dashboard after logging in.



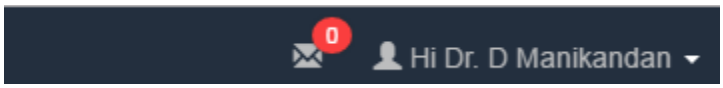
Here, the first row (1), is cards with number of pending sample to be forwarded/check/approved/inbox depending on the selected

The second row (2) contains two cards, the first one represent the recent activity done by the User. E.g. the samples received or sent lately. The second one represents the latest updates/new for the user.

The Final row (3) contains three cards with all graphs in it. Where First represents the samples holding by that user (by role), the second represents the number tank handled by him. And the last card represents the number of events i.e. next samples to be taken within the next 10 days.

1.2 LAB Role:

If LAB-in-charge logs into the system successfully then number of samples which are to be received physically i.e. how many samples need to be acknowledged upon received the sample physically.

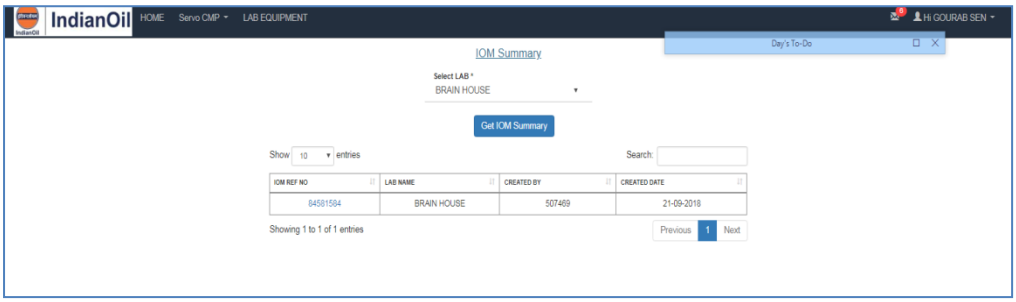


Once LAB-in-charge logs in, five reports are available.

1. Print IOM
2. Acknowledge
3. Process
4. Forwarded to TSE
5. Sent to Customer

1.2.1 Print IOM

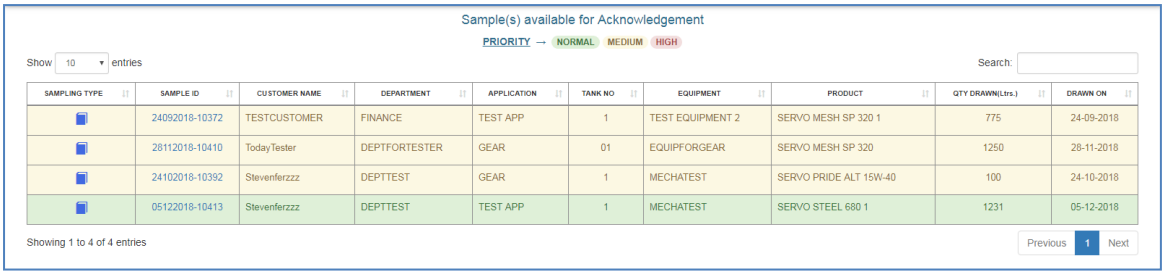
The Lab in-charge can view all the sample send to him by Lab and print their IOM.



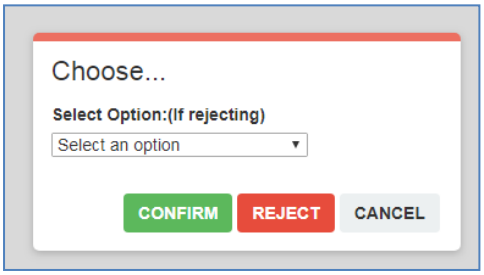
1.2.2 Acknowledge:

Go to **Servo CMP→Acknowledge.**

It will show the summary of all the samples which are to be acknowledged upon receiving the samples physically.



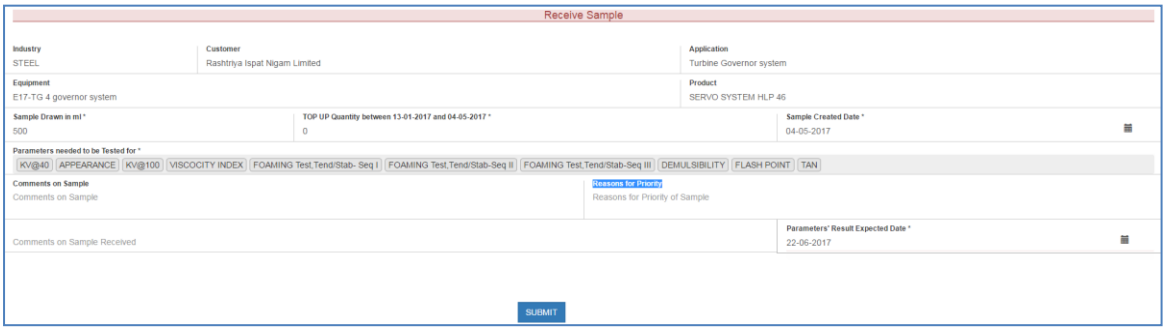
To acknowledge the same, LAB has click on the sample id link and it will ask for user's confirmation pop up whether the sample has been received physically or not.



In here the lab can also reject the sample if needed. But first he/she has to select the reason for rejecting. Once selected, the lab user can reject the sample.

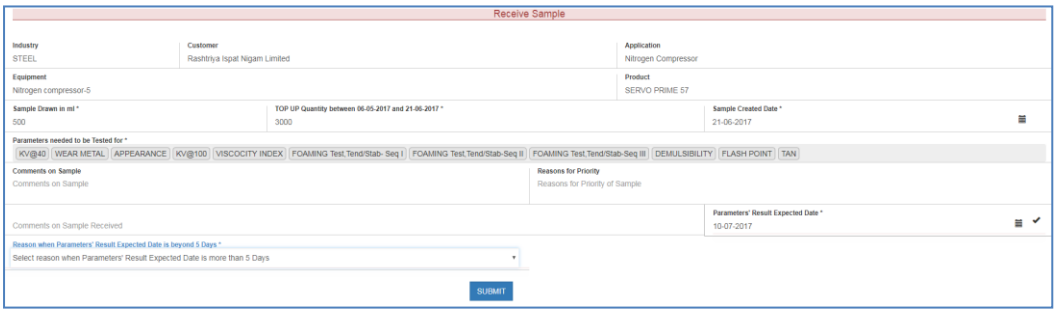
Note: On rejecting a mail will be send to the TSE (assigned to customer) and lab user for reference. Also for confirming, there is no need to select an option.

After clicking on "Confirm", it will show the details of the sample. Some of the attributes are read only like **Industry, Customer, Application, Equipment, Product, Sample drawn in ml, Top Up Quantity between <previous_sample_date> and <today's date> , Sample Created Date, Parameters needed to be Tested for, Comments on Sample, Reasons for Priority**.

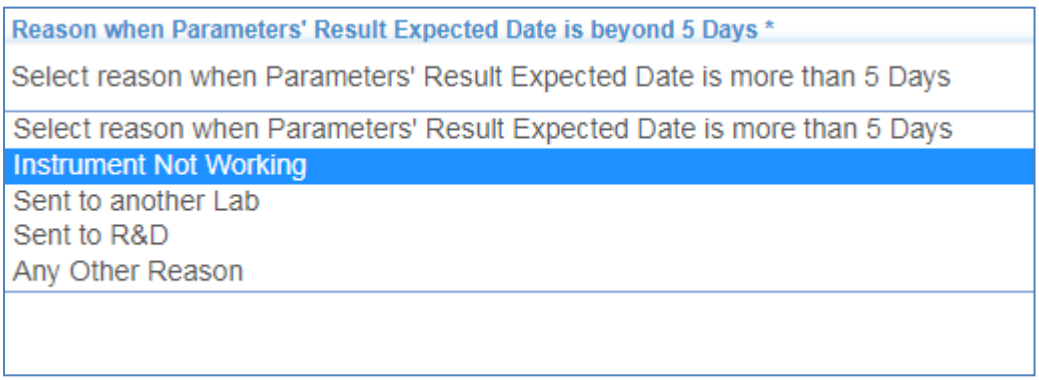


For high priority sample, background color will be red colored. During acknowledgement of the sample, user can write "**Comments on Sample Received**" and change the date for the "**Parameters' Result Expected Date**". By default, the parameter "**Parameters' Result Expected Date**" is populated based on the priority logic.

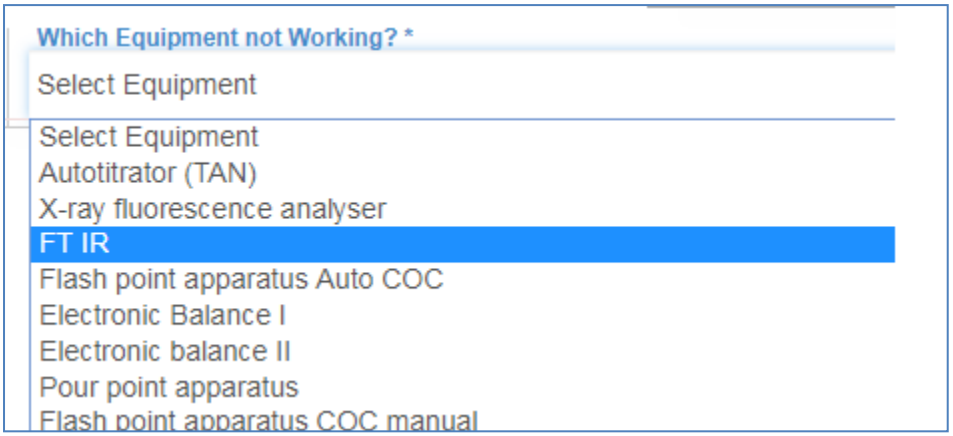
I. If it is high priority sample, then it will be 2 days prior to the current date
II. If it is medium priority sample, then it will be 3 days prior to the current date.
III. If it is normal priority sample, then it will be 3 days prior to the current date.



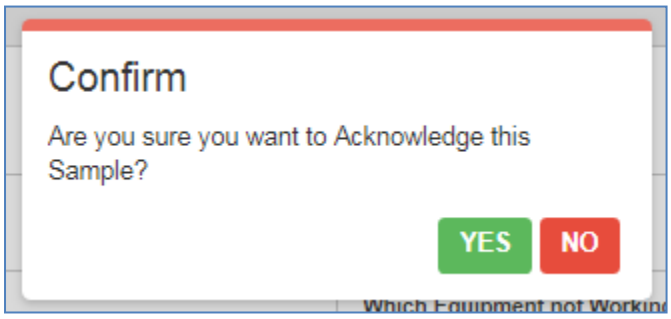
If expected date is more than 5 days w.r.t. today's date then user has to select reason from the drop down populated.



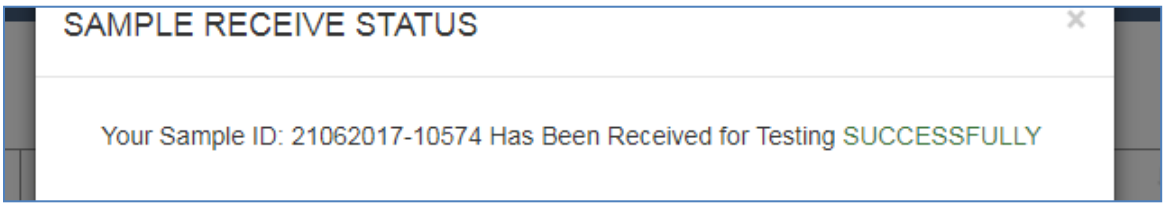
If “Instrument Not Working” is chosen then system will show list of equipments under that lab. User has to choose the respective instrument from the drop down populated.



Once all the data is filled up and user submits the same then system checks the required validation and accordingly asks for confirmation if it passes the validation.



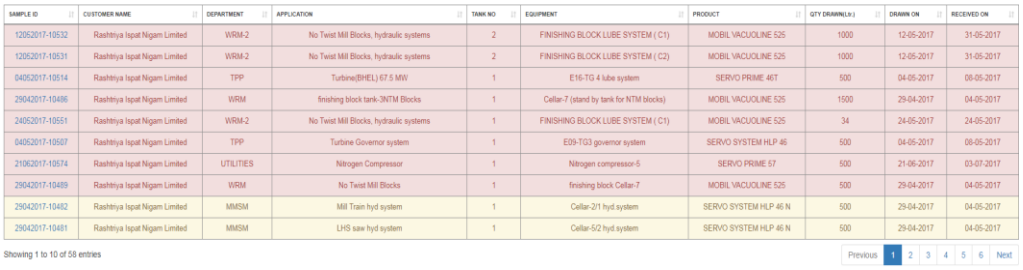
After confirming the same, it will show success message that the sample has been received successfully



1.2.3 **Process**:

Go to **Servo CMP→Process.**

It will show the summary of all the samples which are already received and result data are yet to be entered.

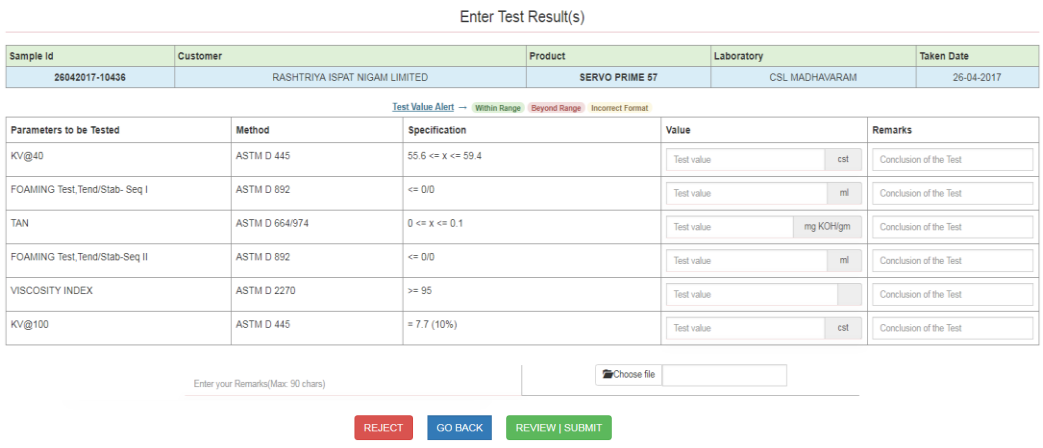


SAMPLE ID	CUSTOMER NAME	DEPARTMENT	APPLICATION	TANK NO	EQUIPMENT	PRODUCT	QTY DRAWN(Ltr.)	DRAWN ON	RECEIVED ON
12052017-10532	Rashtriya Ispat Nigam Limited	WRM-2	No Twist Mill Blocks, hydraulic systems	2	FINISHING BLOCK LUBE SYSTEM (C1)	MOBIL VACUOLINE 525	1000	12-05-2017	31-05-2017
12052017-10531	Rashtriya Ispat Nigam Limited	WRM-2	No Twist Mill Blocks, hydraulic systems	2	FINISHING BLOCK LUBE SYSTEM (C2)	MOBIL VACUOLINE 525	1000	12-05-2017	31-05-2017
04052017-10514	Rashtriya Ispat Nigam Limited	TPP	Turbine(BHEL) 67.5 MW	1	E16-TG 4 lube system	SERVO PRIME 46T	500	04-05-2017	08-05-2017
29042017-10486	Rashtriya Ispat Nigam Limited	WRM	finishing block tank-3NTM Blocks	1	Cellar-7 (stand by tank for NTM blocks)	MOBIL VACUOLINE 525	1500	29-04-2017	04-05-2017
24052017-10551	Rashtriya Ispat Nigam Limited	WRM-2	No Twist Mill Blocks, hydraulic systems	1	FINISHING BLOCK LUBE SYSTEM (C1)	MOBIL VACUOLINE 525	34	24-05-2017	24-05-2017
04052017-10507	Rashtriya Ispat Nigam Limited	TPP	Turbine Governor system	1	E09-TG3 governor system	SERVO SYSTEM HLP 46	500	04-05-2017	08-05-2017
21062017-10574	Rashtriya Ispat Nigam Limited	UTILITIES	Nitrogen Compressor	1	Nitrogen compressor-5	SERVO PRIME 57	500	21-06-2017	03-07-2017
29042017-10489	Rashtriya Ispat Nigam Limited	WRM	No Twist Mill Blocks	1	finishing block Cellar-7	MOBIL VACUOLINE 525	500	29-04-2017	04-05-2017
29042017-10482	Rashtriya Ispat Nigam Limited	MMSM	Mill Train hyd system	1	Cellar-2/1 hyd system	SERVO SYSTEM HLP 46 N	500	29-04-2017	04-05-2017
29042017-10481	Rashtriya Ispat Nigam Limited	MMSM	LHS saw hyd system	1	Cellar-5/2 hyd system	SERVO SYSTEM HLP 46 N	500	29-04-2017	04-05-2017

Showing 1 to 10 of 58 entries

Previous 1 2 3 4 5 6 Next

To process the same, LAB user has click on the sample id link for the entered the test result and below page will be appearing.



Enter Test Result(s)

Sample Id	Customer	Product	Laboratory	Taken Date
26042017-10436	RASHTRIYA ISPAT NIGAM LIMITED	SERVO PRIME 57	CSL MADHAVARAM	26-04-2017

Test Value Alert → Within Range Beyond Range Incorrect Format

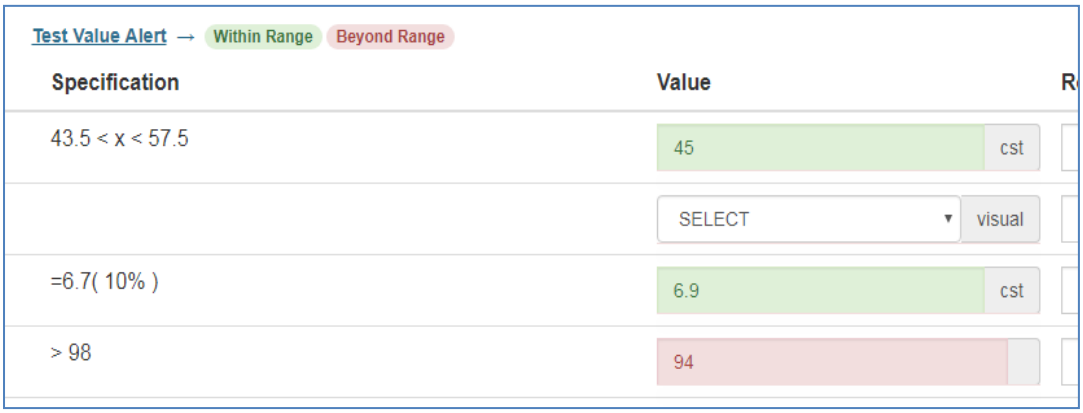
Parameters to be Tested	Method	Specification	Value	Remarks
KV@40	ASTM D 445	55.6 <= x <= 59.4	Test value cst	Conclusion of the Test
FOAMING Test,Tend/Stab- Seq I	ASTM D 892	<= 0/0	Test value ml	Conclusion of the Test
TAN	ASTM D 664/974	0 <= x <= 0.1	Test value mg KOH/gm	Conclusion of the Test
FOAMING Test,Tend/Stab-Seq II	ASTM D 892	<= 0/0	Test value ml	Conclusion of the Test
VISCOSITY INDEX	ASTM D 2270	>= 95	Test value	Conclusion of the Test
KV@100	ASTM D 445	= 7.7 (10%)	Test value cst	Conclusion of the Test

Enter your Remarks(Max: 90 chars) Choose file

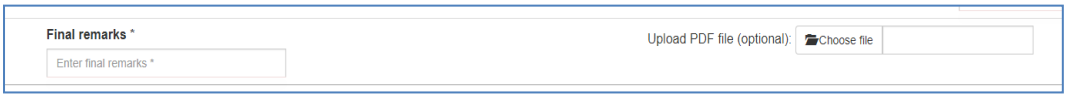
REJECT GO BACK REVIEW | SUBMIT

Sample Id is coming with “red“ colored means the sample is having the high priority. The list of parameters are the parameters what TSE has selected for

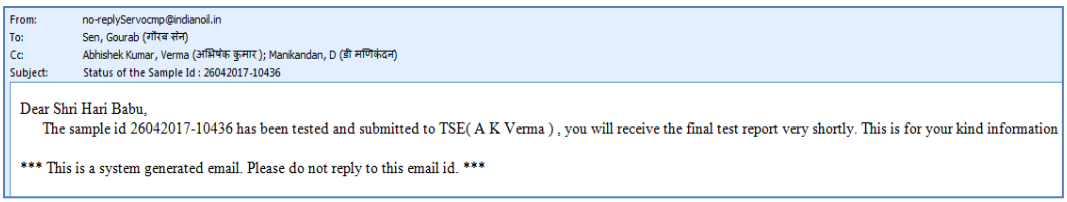
the testing the sample. It also shows the respective test “Method” and “Specification” (as maintained in the master data)



When lab user enters the test data against the test parameter then in the color of the text box changes based on the data ranges. If data entered are within the specified range then it will be green colored and if it is not within the range then it will appear as red colored.
LAB user can upload any PDF file using the Upload PDF file option. User has to enter data against all the test parameters as all are mandatory only. Also user has to write overall final remarks regarding that sample testing and submit the same.



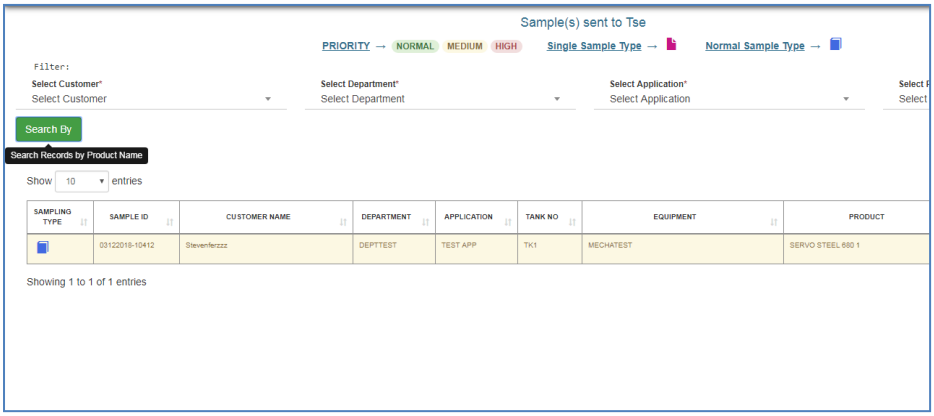
If all the mandatory data are entered then system asks for the confirmation for the submission. Once it is submitted successfully it redirects to the process summary page and mail is being triggered to customer keeping CSL and LAB in the CC.



Here the lab user can also reject the sample if needed by clicking on **‘reject’** button.

1.2.4 **Forwarded to TSE**:

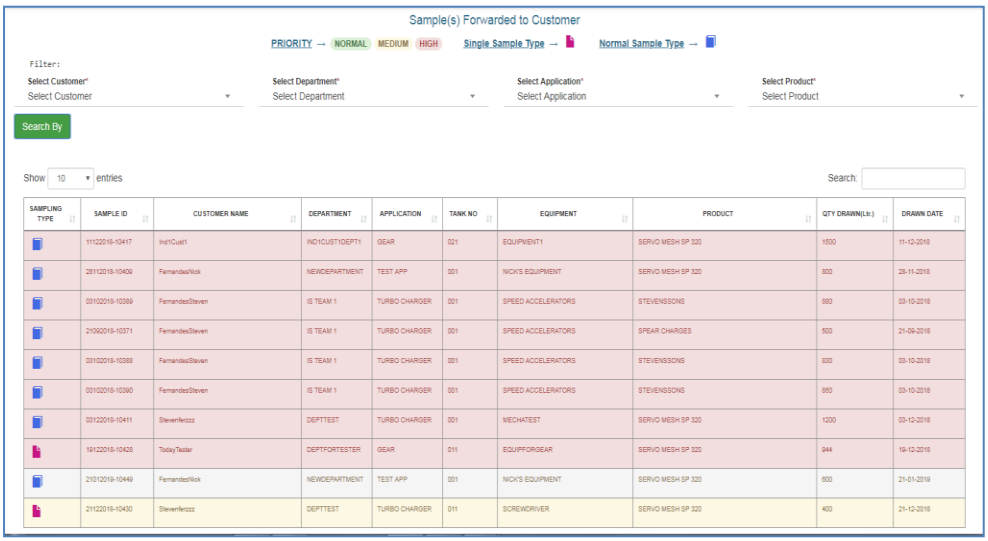
One can view the test result send to TSE after processing in **Servo CMP→Forwarded to TSE.**



On clicking the ID, It will show that particular sample.

1.2.5 **Forwarded to Customer**:

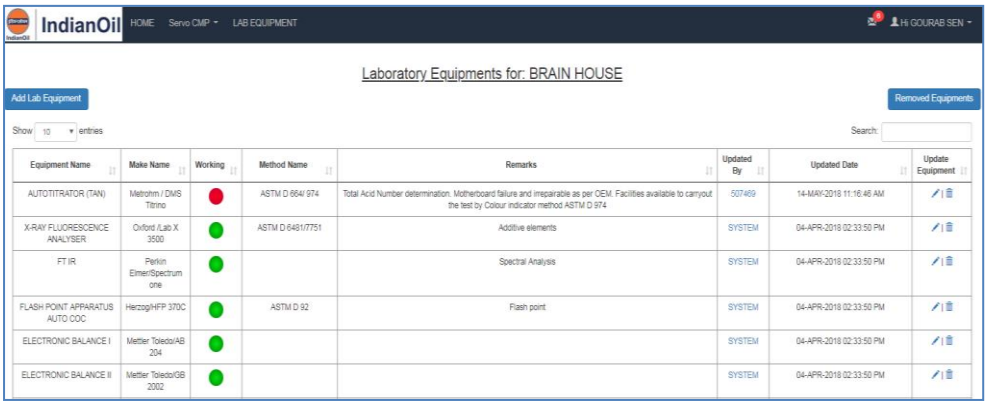
One can view the test result send to TSE after processing in **Servo CMP→Forwarded to Customer.**



On clicking the ID, It will show that particular sample.

1.2.6 Lab Details

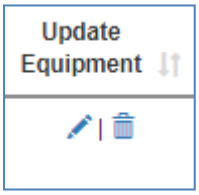
1. **Lab Equipment**:



This page is used view the status of the equipment created.

On clicking Add Lab Equipment button, new equipment can be added. On clicking Removed Equipments button, a dropdown will appear for deleting any equipment.

In the table, the working column signifies if the respected equipment is working or not. 🟢 means its in working condition. 🔴 means its in not working condition and are unable to use for sampling.



Here, the ✎ is used to edit a new equipment and 🗑 is used to delete an equipment.

2. **Lab Test Specification**

   This is a view only page. It is only used to check test specification assigned to products.

   There are 6 specifications respectively. That is.,

   Min – takes one input, a test case for checking a value is more than given input number.

Max - takes one input, a test case for checking a value is less than given input number.

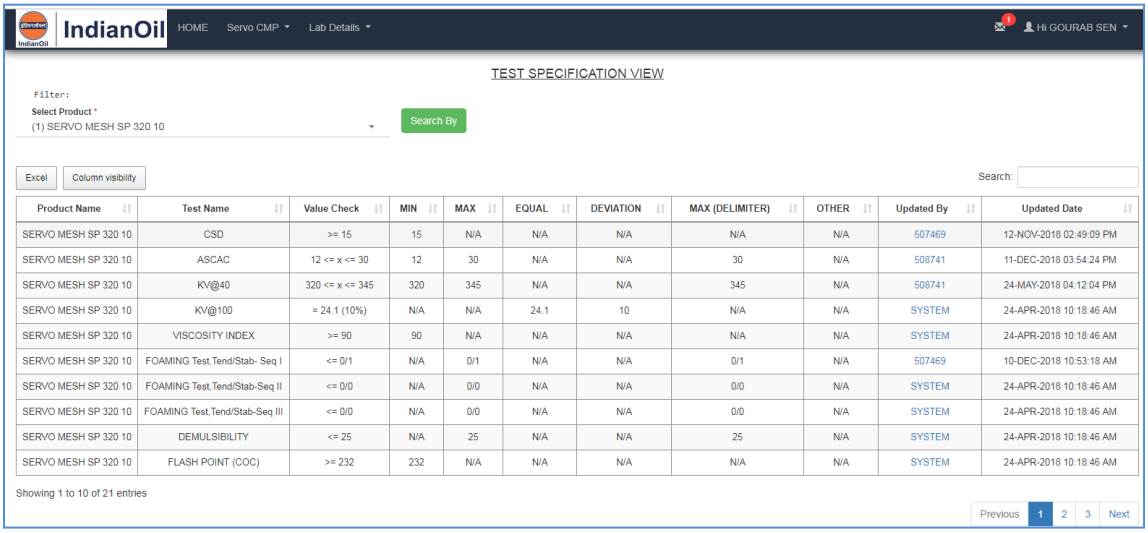
MinMax – takes two numbers, a test case for checking if a value is between these two input numbers.

Novalidation – the test case where the test value doesn't matter

Eqchk – the test case where the test result and input number should be the same.

OthVal – It makes the test case a list values which can assigned by redirecting to Other Values Specification Page. These values can differ as it is user defined.

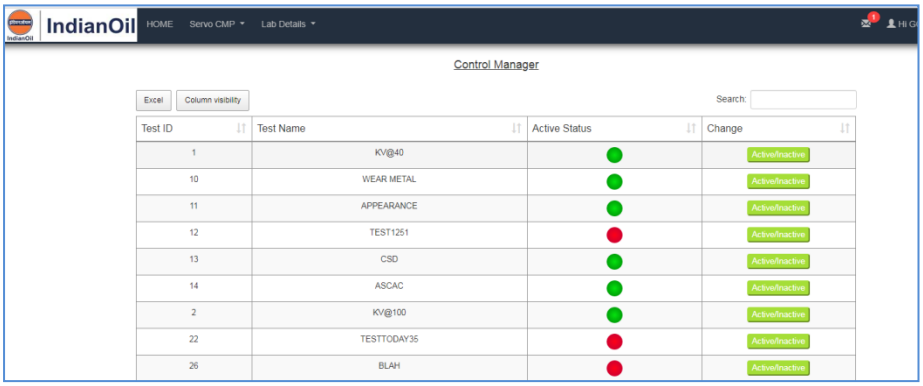
Max with delimiter – is a **deviation** that is the difference between the observed value and an estimate of the true value.



3. Lab Test Status Master

This Page is used to view/edit the Lab s Test Parameter available for testing. This page is solely created for the TSE to know if the required test is available in his/her lab.

By clicking the active/inactive button, the Test Parameter status can be toggled. The Status of the Test Parameter is shown in the 3 column (Active Status). If green sphere, then the Test parameter is available for testing else if red sphere, then the Test parameter is not available for testing.



2.0 Existing Features/Functionalities Modified

This is the first release.

3.0 Existing Features/Functionalities Removed

This is the first release.

1.0 Issues Resolved(Bugs If any)

This is the first release.