

# SURFACE TREATMENT PLANTS



**REGD.ADDRESS :** FLAT-6, PLOT-431, SECTOR-2, SWAPNAPURTI APARTMENT, SAMARTH COLONY,  
INDRAYANINAGAR, BHOSARI, PUNE – 411026

**WORKS ADDRESS :** G-10, FIRST FLOOR, MANGALMURTI INDUSTRIAL COMPLEX, BEHIND HOCKEY  
STADIUM, MIDC, BHOSARI, PUNE- 411026

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**CONTACT :** 9552560741 ( GANESH TOKE )





# SURFACE TREATMENT PLANTS

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## Our Offerings to Surface Treatment Industry:

- We are in business of Designing, manufacturing, Supply , installation & Commissioning of PLC/HMI/VFD/SCADA based control system for Surface Treatment Plants for Processes Like Electroplating, Phosphate & CED Coating , for improving Physical & Technical Features, durability, Lifecycle of a product.
- Automation of Surface treatment Plants with Latest State of Art Technology, reliable, rigid and efficient control system for Surface Treatment Plant.
- Automation can help finishers minimize manual labor, improve their processes, meet quality standards and boost productivity and profitability.
- We have ready to use PLC based control system solution for surface treatment plants, that has features of Pre-programmed recipes, easy diagnostics, Plant Mimic, Daily Production Reports, Load wise Process Report and above all user friendly and trouble free operating systems.





# SURFACE TREATMENT PLANTS

## State of Art Features Of PLC / SCADA Control System :

- Facility to Operate the Plant in Inch / Manual / Auto Mode.
- Sequential Handling of Flight Bars / Barrels / Baskets including Settable Dripping Time for each process.
- Time Optimization and required process time achieved with desired step Type Recipe Program.
- 30 Step Recipe program settings with storing of maximum of 25 Recipes per wagon.
- User Friendly HMI screens for Settings, Diagnostics, Maintenance.
- Program Recipes for On-Line Passivation type Functionality.
- HMI screen to monitor Process Parameters : like Temperature, pH, Rectifier Current if required.
- Anti-Collision protection with Photo Sensors & Logical Operations.
- SCADA based mimic for Plant schematic with dynamic animation.
- Excel & PDF type daily / Load Wise Production Process report .



# SURFACE TREATMENT PLANTS



**CED COATING PLANT, KOLHAPUR**



**ELECTROPLATING PLANT, PUNE**



**CED COATING PLANT, PUNE**



**CED COATING PLANT, PUNE**



# SURFACE TREATMENT PLANTS



PHOSPHATING PLANT, NAGPUR



CED COATING PLANT, JAMSHEDPUR



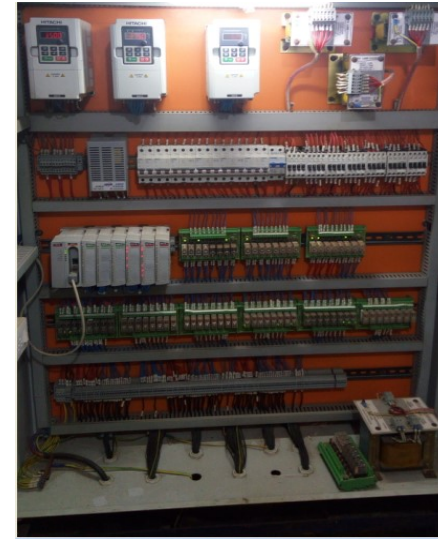
CED COATING PLANT, PUNE



ELECTROPLATING PLANT, PUNE



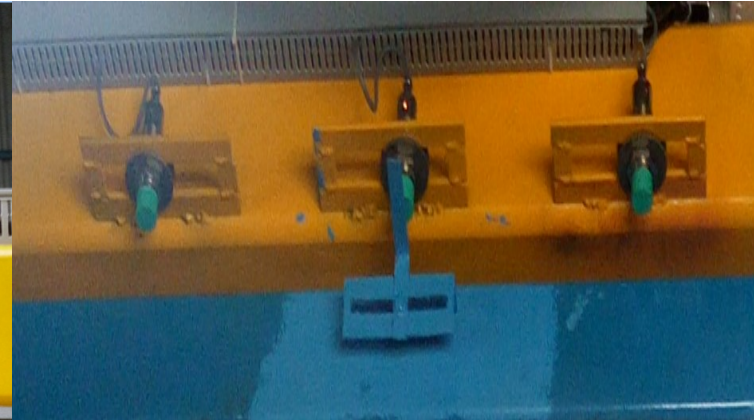
# PLC CONTROL SYSTEM



# PLC CONTROL SYSTEM – FIELD ELEMENTS



**OPERATOR BOX & TOWER LAMP**



**SENSORS**



**PH-METER PANEL**



**OPERATOR HMI CONSOLE**



# LOADING PRODUCT RECIPE SELECTION SCREEN

LOADING PARAMETERS		 <b>Bright Metals &amp; Foods</b> J - 345, MIDC., Bhosari, Pune - 411 026.	
ITEM NO. :	1		
CUSTOMER :	HELICAL		
PART NAME :	PIPE		
PART NO. :	SESN 50		
PLATING TYPE :	ACID-ZINC		
PASSIVATION TYPE :	TRI-BLUE		
CURRENT :	500	UNLOAD NO.	UNLOAD PASSV NO
WEIGHT/QTY. :	60	10	2
ITEM NO.	LOAD NO.	WGT/QTY	PASSV. NO.
1	25	60	2

**AUTO START**

**AUTO STOP**

**MENU**



**RECIPES FOR VARIOUS PRODUCT TO BE PROCESSED WITH OPERATOR FRIENDLY SETTINGS**





# RECIPE SETUP SCREEN

MASTER RECIPE EDIT

STEP	STN.NO.	ACTION	TIME	WAGON NO.	RECIPE NO.
STEP-1	6	0	1	1	1
STEP-2	5	2	3		
STEP-3	4	2	3		
STEP-4	3	1	1		
STEP-5	1	4	120		
STEP-6	3	0	1		
STEP-7	2	2	3		
STEP-8	1	2	3		
STEP-9	7	1	1		
STEP-10	1	4	120		

**NO.OF STEPS**  
10

**READ RECIPE**

**STEP OK**

**SAVE RECIPE**

**NEXT**

**RECIPE MENU**

ACTION HELP  
 0 - LIFT  
 1 - RELEASE  
 2 - RELEASE+TIME+LIFT  
 4- WAIT AT STATION (TIME)

RECIPE TYPE STEP PROGRAM WITH MAXIMUM 30 STEPS PER RECIPE FOR EACH WAGON



# RUN RECIPE PROGRAM SETTING SCREEN

**RECIPE SEQUENCE PROGRAM WAGON-1**

RECIPE NO.	1	2	3	4	5	#	#	#	#	#
STEPS	20	20	20	20	20	0	0	0	0	0
RECIPE NO.	#	#	#	#	#					
STEPS	0	0	0	0	0					
START TANK NO.	1	NO. OF RECIPE CONTINUATION	5	CHECK STATION NO.	7	CHECK TIME	5	NEXT	RECIPE MENU	

**SIMPLE SELECTION TYPE FOR CHOICE OF RECIPE TO RUN**





# BARREL ROTATION / UP WAIT TIME SETTING SCREEN

BARREL ROTATION / DRIPPING TIME SETTING W1 & W2					
STN.NO.	TIME(SEC)	STN.NO.	TIME(SEC)	STN.NO.	TIME(SEC)
1	2	11	5	21	7
2	3	12	5	22	7
3	3	13	3	23	5
4	5	14	3	24	5
5	5	15	7	25	5
6	3	16	7	26	5
7	5	17	7		
8	3	18	7		
9	3	19	7		
10	5	20	7		

RECIPE MENU

SETTABLE TIME SETTING FOR DRIPPING TIME FOR EACH STATION



## BARREL INITIAL POSITION SETTING SCREEN

BARREL HOME SETTINGS - W1/W2					
STN.NO.	PROCESS	STN.NO.	PROCESS	STN.NO.	PROCESS
1	LOADING TROLLEY	11	WATER RINSE-2	21	ACID ZINC PL-7
2	DEGREASING	12	ACTIVATION	22	ACID ZINC PL-8
3	HOT DEGREASING	13	WATER RINSE-1	23	WATER RINSE-1
4	WATER RINSE - 1	14	WATER RINSE-2	24	NAOH
5	WATER RINSE - 2	15	ACID ZINC PL-1	25	WATER RINSE - 2
6	ACID	16	ACID ZINC PL-2		
7	WATER RINSE - 1	17	ACID ZINC PL-3		BARREL ABSENT
8	WATER RINSE - 2	18	ACID ZINC PL-4		BARREL PRESENT
9	ANODIC	19	ACID ZINC PL-5		
10	WATER RINSE - 1	20	ACID ZINC PL-6		RECIPE MENU

SETTABLE SELECTION OF BARREL/FLIGHTBAR/BASKET AUTO  
READY CONDITIONS



# PROCESS PARAMETERS

PROCESS PARAMETERS

DEG. SET. TEMP.	55.0	DEG.	DEG. ACT. TEMP.	54.6	DEG.
ANODIC SET. TEMP.	55.0	DEG.	ANODIC ACT. TEMP.	53.8	DEG.
DRYER SET. TEMP.	60.0	DEG.	DRYER ACT. TEMP.	59.3	DEG.
RECTIFIER SET. VOLTAGE	10.00	V	RECTIFIER ACT.VOLT	10.00	V
RECTIFIER SET. CURRENT	500	A	RECTIFIER ACT.CURRENT	495	A
			TRI-BLUE TANK pH	1.26	
			TRI-YELLOW TANK pH	2.19	

**SCADA Screen**

PROCESS PARAMETERS

ameya

STN.NO.	PARAMETER	VALUE	STATUS	STN.NO.	PARAMETER	VALUE	STATUS
2	DEG 2 SET TEMP.	45.0	DEG. <span style="color: green;">■</span>	2	DEG 2. ACT. TEMP.	45.2	DEG. <span style="color: green;">■</span>
3	PHOPH SET TEMP.	45.0	DEG. <span style="color: green;">■</span>	3	PHOSPH ACT. TEMP.	46.7	DEG. <span style="color: green;">■</span>
4	CED SET TEMP.	32.0	DEG. <span style="color: green;">■</span>	4	CED ACT TEMP.	31.6	DEG. <span style="color: green;">■</span>
5	WATER RINSE-1	10.82	pH <span style="color: green;">■</span>	11	DM COND	42	Ms <span style="color: green;">■</span>
6	WATER RINSE 2	8.47	pH <span style="color: green;">■</span>	12	CED COND.	3	Ms <span style="color: green;">■</span>
7	ACTIVATION	9.98	pH <span style="color: green;">■</span>	13	UF1 COND	12	Ms <span style="color: green;">■</span>
8	WATER RINSE 3	6.61	pH <span style="color: green;">■</span>	14	UF2 COND.	14	Ms <span style="color: green;">■</span>
9	WATER RINSE 4	5.58	pH <span style="color: green;">■</span>	15	ANOLYTE COND.	13	Ms <span style="color: green;">■</span>
10	CED	5.60	pH <span style="color: green;">■</span>				

STATUS MENU

**SCADA Screen**

PROCESS PARAMETERS MONITORING 8471.6050 8544 8504 AND  
ALARM / WARNING



# LOADWISE PROCESS REPORT VIEW

M/s. Bright Metals, Bhosari, Pune								Date : 24/01/2018 Time : 18:03:42		Process Report	
Load Number:	10	Plating Type:	ACID-ZINC	Load In Date:	24/01/2018						
Customer Name:	SIGMA	Passivation Type:	TRI-BLUE	Load In Time:	08:42:33						
Item Number:	1	Weight/Qty:	51	Load Out Time:	11:49:32						
Part Name:	PIPE	Set Current:	400	Online Process Duration:	3:6:58						
Part Number:	SESN 50	Passivation No.:	7	Total Process Duration:	3:12:56						
Process Type:	Dip In Time	Dip Out Time	Duration	Temp (Deg)	Current (A)	pH					
Cold Degreasing:	08:45:26	08:49:14	24:3:49								
Hot Degreasing:	08:49:47	08:55:22	0:5:35	45.9							
Acid Cleaning:	08:57:27	09:01:13	0:3:47								
Anodic Cleaning:	09:03:17	09:09:35	0:6:16	43.1							
Activation:	09:11:33	09:18:07	0:6:34								
Neutralization:	09:22:53	09:27:48	0:4:55								
Plating:	09:27:11	11:38:48	2:11:37	27.0	0						
Nitric Dip:	11:43:52	11:44:24	0:0:32								
Passivation:	11:46:14	11:46:50	0:0:37						2.05		
Dryer :	11:50:30	11:55:29	0:4:58	21.8							

→ SCADA Screen

M/s. Abhijit Industries & Electroplaters, Bhosari, Pune								Date / Time: 23/01/2018 17:46:11		Process Report	
Load Number:	23	Plating Type:	ZINC NIK	Load In Date:	23/01/2018						
Customer Name:	YASH	Passivation Type:	TRI BLUE	Load In Time:	15:57:18						
Item Number:	3	Weight/Qty:	60	Load Out Time:	17:22:15						
Part Name:	FLANGE	Set Current:	490	Online Process Duration:	1:24:57						
Part Number:	10083965	Date / Time:	23/01/2018 17:46:11	Total Process Duration:	1:31:0						
Process Type:	Dip In Time	Dip Out Time	Duration	Temp (Deg)	Current (A)	pH					
Hot Degreasing:	15:58:17	16:04:26	0:6:8	53.0							
Acid Pickling:	16:06:22	16:17:13	0:10:52								
Anodic Cleaning:	16:19:18	16:25:22	0:6:4	55.3							
Neutralization:	16:27:15	16:30:28	0:3:14								
Activation:	16:31:39	16:33:00	0:1:21								
Zinc Plating:	16:33:31	17:09:44	0:36:12	25.9	500						
Pre-Passivation:	17:14:12	17:14:30	0:0:18								
Passivation:	17:16:05	17:16:46	0:0:41						1.96		
Pre-TopCoat:	17:18:57	17:20:38	0:1:41								
Top Coat :	17:20:59	17:21:49	0:0:51						2.35		
Dryer :	17:23:17	17:28:18	0:5:0	57.0							

→ SCADA Screen





# DAYWISE FOLDER FOR PROCESS REPORT
























This PC > Local Disk (D:) > Projects\_1819 > Bright\_Metals > Records\_020518 > BARREL\_LINE\_230418 > March\_2018

Name	Date modified	Type	Size
01-03-2018	05-09-2018 11:22	File folder	
02-03-2018	02-05-2018 16:39	File folder	
03-03-2018	02-05-2018 16:39	File folder	
04-03-2018	02-05-2018 16:39	File folder	
05-03-2018	02-05-2018 16:39	File folder	
06-03-2018	02-05-2018 16:39	File folder	
08-03-2018	02-05-2018 16:40	File folder	
09-03-2018	02-05-2018 16:40	File folder	
10-03-2018	02-05-2018 16:40	File folder	
11-03-2018	02-05-2018 16:40	File folder	
12-03-2018	02-05-2018 16:40	File folder	
13-03-2018	02-05-2018 16:40	File folder	
14-03-2018	02-05-2018 16:40	File folder	
15-03-2018	02-05-2018 16:40	File folder	
16-03-2018	02-05-2018 16:40	File folder	
17-03-2018	02-05-2018 16:40	File folder	
18-03-2018	02-05-2018 16:41	File folder	
19-03-2018	02-05-2018 16:41	File folder	
20-03-2018	02-05-2018 16:41	File folder	
21-03-2018	02-05-2018 16:41	File folder	
23-03-2018	02-05-2018 16:41	File folder	
24-03-2018	02-05-2018 16:41	File folder	
25-03-2018	02-05-2018 16:41	File folder	

→ Datewise Folder for Report

# LOAD NO. WISE PROCESS PDF REPORT & EXCEL FILE FOR ALL LOAD REPORT

This PC > Local Disk (D:) > Projects\_1819 > Bright\_Metals > Records\_020518 > BARREL\_LINE\_230418 > March\_2018 > 09-03-2018

Name	Date modified	Type	Size
 4W_Report_09-03-2018	09-03-2018 14:42	Microsoft Office E...	23 KB
 7_09-03-2018_111901	09-03-2018 05:49	PDF File	179 KB
 9_09-03-2018_113501	09-03-2018 06:05	PDF File	179 KB
 10_09-03-2018_114254	09-03-2018 06:12	PDF File	179 KB
 11_09-03-2018_115010	09-03-2018 06:20	PDF File	179 KB
 12_09-03-2018_115739	09-03-2018 06:27	PDF File	0 KB
 13_09-03-2018_120610	09-03-2018 06:36	PDF File	179 KB
 14_09-03-2018_121446	09-03-2018 06:44	PDF File	179 KB
 15_09-03-2018_122329	09-03-2018 06:53	PDF File	179 KB
 16_09-03-2018_123216	09-03-2018 07:02	PDF File	179 KB
 18_09-03-2018_124953	09-03-2018 07:19	PDF File	179 KB
 19_09-03-2018_125751	09-03-2018 07:27	PDF File	179 KB
 21_09-03-2018_130902	09-03-2018 07:39	PDF File	178 KB
 22_09-03-2018_132131	09-03-2018 07:51	PDF File	0 KB
 23_09-03-2018_132912	09-03-2018 07:59	PDF File	179 KB
 24_09-03-2018_133748	09-03-2018 08:07	PDF File	179 KB
 25_09-03-2018_134631	09-03-2018 08:16	PDF File	179 KB
 26_09-03-2018_140450	09-03-2018 08:34	PDF File	179 KB
 27_09-03-2018_141745	09-03-2018 08:47	PDF File	181 KB
 28_09-03-2018_142548	09-03-2018 08:55	PDF File	181 KB
 29_09-03-2018_143344	09-03-2018 09:03	PDF File	181 KB
 30_09-03-2018_144155	09-03-2018 09:12	PDF File	181 KB
 31_09-03-2018_145943	09-03-2018 09:29	PDF File	179 KB

Excel Report  
Description/ReportDate

Loadwise Pdf Report  
LoadNo/Date/Reportprint time



# LOADWISE PROCESS REPORT – PLATING PROCESS

M/S. BRIGHT METALS		PROCESS REPORT				
J-345, MIDC, BHOSARI, PUNE-411026						
Load Number:	14	Plating Type:	ACID- ZINC			
Customer Name:	HELICAL	Passivation Type:	TRI- BLUE			
Part Name:	PIPE	Set Current:	280			
Part No:	SESN 50	Weight/Quantity	50			
Item Number:	10	Passivation Recipe No:	1			
Load In Date:	02-04-2018	Online Process	3:6:40			
Load In Time:	09:25:23	Total Process Duration:	3:12:38			
Load Out Time:	12:32:03	Process Status:	Completed			
Process Type	Dip In Time	Dip Out Time	Duration	Temp (Deg)	Current (A)	pH
Cold Degreasing:	09:25:47	09:31:30	0:5:43			
Hot Degreasing:	09:32:03	10:31:46	0:59:43	37.8		
Acid Pickling:	10:33:51	10:37:22	0:3:30			
Anodic Cleaning:	10:39:26	10:45:30	0:6:4	57.2		
Activation:	10:47:37	10:53:06	0:5:29			
Neutralization	0	0	0			
Plating:	11:00:57	12:22:04	1:21:7	27.0	0	
Nitric Dip:	12:26:56	12:27:25	0:0:27			
Passivation	12:28:50	12:29:13	0:0:24			2.68
Dryer :	12:33:02	12:38:01	0:4:58	33.2		
Date : 02-04-2018						
Time : 12:38:24						
Processed By:		Validated By:		QA-Team Leader:		

M/S. ABHIJIT IND. & ELECTROPLATERS		PROCESS REPORT				
J-519, MIDC, BHOSARI, PUNE-411026						
Load Number:	17	Item Number:	4			
Customer Name:	M J W	Plating Type:	ZN NI			
Part Name:	ACT BRKT R9K	Passivation Type:	TRI- BLUE			
Part No.	799192-1	Set Current:	430			
Process Date / Time:	22-04-2018 11:19:24	Weight / Quantity	320			
Load In Date:	22-04-2018	Online Process Duration:	1:4:1			
Load In Time:	10:08:59	Total Process Duration:	1:10:4			
Load Out Time:	11:13:00	Process Status:	Completed			
Process Type	Dip In Time	Dip Out Time	Duration	Temp (Deg)	Current (A)	pH
Hot Degreasing:	10:09:47	10:13:58	0:4:11	49.1		
Acid Pickling:	10:15:50	10:19:41	0:3:51			
Anodic Cleaning:	10:21:40	10:25:37	0:3:57	0.0		
Neutralization	10:27:23	10:31:16	0:3:53			
Activation:	10:32:20	10:33:44	0:1:25			
Plating:	10:34:10	11:10:03	0:35:53	27.1	446	
Pre-Passivation:	0	0	0			
Passivation	0	0	0			0.00
Pre-TopCoat:	0	0	0			
Top Coat :	0	0	0			0.00
Dryer :	11:14:04	11:19:03	0:4:59	0.0		
Date : 22-04-2018						
Time : 11:13:00						
Processed By:		Validated By:		QA-Team Leader:		

PDF TYPE PROCESS REPORT FOR EACH LOAD PROCESSED





# LOADWISE PROCESS REPORT – CED PROCESS

M/S. AMEYA FINISING SOLUTIONS P.L. AT.POST.KURULLI, CHAKAN, PUNE-410501							PROCESS REPORT
Load Number:	7		Item Number:	2			
Customer Name:	COSMA		Process Type:	CED			
Part Name:	SUBFRAME		Set Voltage:	155			
Part No.	P/D/R		Weight / Quantity	33			
Process Date / Time:	28-06-2018 13:55:34						
Load In Date:	28-06-2018		Online Process Duration:	1:48:22			
Load In Time:	12:06:40		Anolyte Conductivity	0.00			
Load Out Time:	13:55:02		Process Status:	Completed			
Process Type	Dip In Time	Dip Out Time	Duration	Temp (Deg)	pH	Conductivity	
Degreasing-1:	12:07:24	12:15:07	0:7:43				
Degreasing-2:	12:16:37	12:49:02	0:32:25	45.3			
Water Rinse-1:	12:50:30	12:57:55	0:7:22		10.87		
Water Rinse-2:	12:59:22	12:59:50	0:0:29		8.53		
Activation:	13:01:19	13:02:34	0:1:15	35.4	9.94		
Phosphating:	13:04:04	13:07:37	0:3:33				
Water Rinse-3:	13:09:05	13:09:39	0:0:34		6.57		
Water Rinse-4:	13:10:44	13:11:17	0:0:33		5.63		
DM Water:	13:12:21	13:16:07	0:3:44			36.80	
CED :	13:17:46	13:26:50	0:9:4	31.9	5.63	6.50	
UF-1 :	13:28:30	13:51:35	0:23:5			17.10	
UF-2 :	13:52:38	13:53:07	0:0:32			16.40	
Processed By: _____ Validated By: _____ QA-Team Leader: _____							

M/S. AMEYA FINISING SOLUTIONS P.L. AT.POST.KURULLI, CHAKAN, PUNE-410501							PROCESS REPORT
Load Number:	7		Item Number:	2			
Customer Name:	COSMA		Process Type:	CED			
Part Name:	SUBFRAME		Set Voltage:	155			
Part No.	P/D/R		Weight / Quantity	33			
Process Date / Time:	28-06-2018 13:55:34						
Load In Date:	28-06-2018		Online Process Duration:	1:48:22			
Load In Time:	12:06:40		Anolyte Conductivity	0.00			
Load Out Time:	13:55:02		Process Status:	Completed			
Process Type	Dip In Time	Dip Out Time	Duration	Temp (Deg)	pH	Conductivity	
Degreasing-1:	12:07:24	12:15:07	0:7:43				
Degreasing-2:	12:16:37	12:49:02	0:32:25	45.3			
Water Rinse-1:	12:50:30	12:57:55	0:7:22		10.87		
Water Rinse-2:	12:59:22	12:59:50	0:0:29		8.53		
Activation:	13:01:19	13:02:34	0:1:15	35.4	9.94		
Phosphating:	13:04:04	13:07:37	0:3:33				
Water Rinse-3:	13:09:05	13:09:39	0:0:34		6.57		
Water Rinse-4:	13:10:44	13:11:17	0:0:33		5.63		
DM Water:	13:12:21	13:16:07	0:3:44			36.80	
CED :	13:17:46	13:26:50	0:9:4	31.9	5.63	6.50	
UF-1 :	13:28:30	13:51:35	0:23:5			17.10	
UF-2 :	13:52:38	13:53:07	0:0:32			16.40	
Processed By: _____ Validated By: _____ QA-Team Leader: _____							

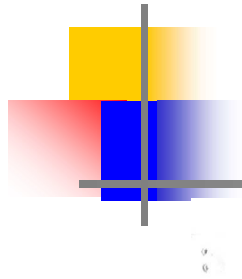


# DAILY PRODUCTION PROCESS REPORT

LOAD NO.	ITEM NO.	CUSTOMER	PART NAME	PART NO	PLATING TYPE	PASSIVE TYPE	REQ. CURR	WEIGHT/Q	PASSIVE NO.	LOAD IN DATE	LOAD IN TIME	LOAD OUT
60	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	0	01-04-2018	17:50:26	07:31:33
61	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	0	01-04-2018	17:57:41	07:39:35
62	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	0	01-04-2018	18:05:10	07:47:31
63	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	0	01-04-2018	18:12:44	08:07:54
65	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	0	01-04-2018	18:31:00	08:27:57
66	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	0	01-04-2018	18:43:01	08:35:52
67	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	0	01-04-2018	18:51:13	08:43:54
68	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	0	01-04-2018	18:58:27	08:51:58
69	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	0	01-04-2018	19:06:45	09:00:10
71	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	0	01-04-2018	19:21:13	09:20:07
72	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	0	01-04-2018	19:28:29	09:28:03
73	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	0	01-04-2018	19:36:33	09:41:09
2	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	07:29:13	10:50:19
3	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	07:36:26	10:58:52
6	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	08:16:53	11:45:57
9	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	6	02-04-2018	08:41:36	11:53:57
10	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	6	02-04-2018	08:48:51	12:01:50
12	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	09:05:42	12:16:07
13	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	09:14:25	12:23:26
14	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	09:25:23	12:32:03
16	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	10:35:23	12:49:33
17	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	6	02-04-2018	10:44:55	13:57:23
18	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	6	02-04-2018	10:53:10	14:05:24
19	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	6	02-04-2018	11:01:07	14:13:23
22	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	11:29:30	14:33:56
23	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	11:40:24	14:42:29
24	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	11:48:48	14:51:05
25	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	11:56:43	14:59:47
26	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	12:04:33	15:08:34
27	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	12:13:24	15:21:33
28	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	12:20:39	15:29:34
29	10	HELICAL	PIPE	SESN 50	ACID-ZINC	TRI-BLUE	280	50	1	02-04-2018	12:27:54	15:37:32

**LOAD NO. WISE PROCESS REPORT EXCEL FILE FOR ALL LOAD PROCESS FOR THE DAY**





# DAILY PRODUCTION PROCESS REPORT

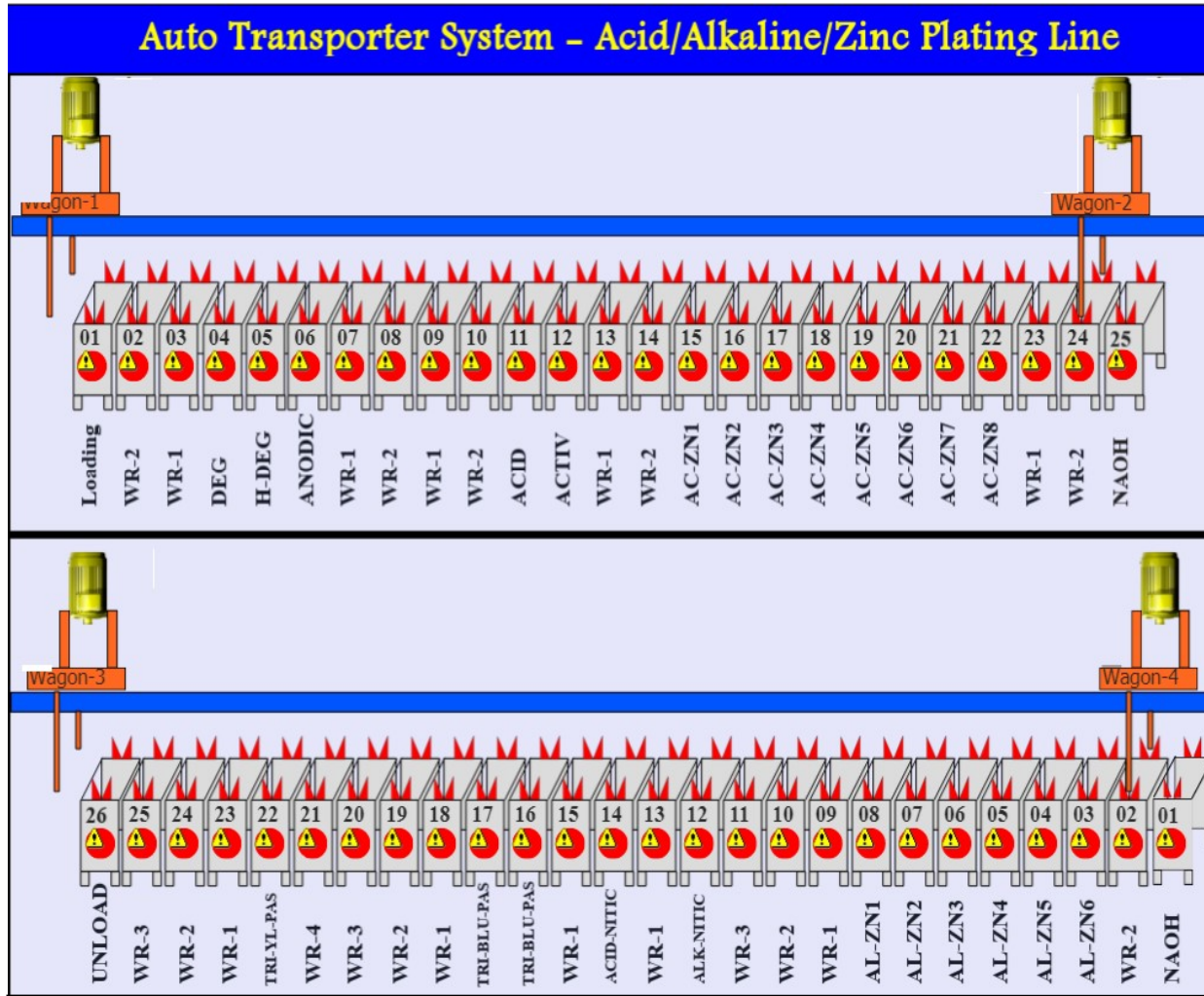
ONLINE PR	TOTAL PRC	COLD DEG	COLD DEG	COLD DEG.	HOT DEG II	HOT DEG C	HOT DEG.	I HOT.DEG.	T ACID IN TIN	ACID OUT	ACID DURA	ANODIC IN	ANODIC OI
13:41:07	13:47:06	17:50:51	17:56:34	00:05:43	17:57:06	18:01:19	00:04:13	43.1	18:03:24	18:06:06	00:02:41	18:08:10	18:14:29
13:41:53	13:47:51	17:58:05	18:03:49	00:05:44	18:04:20	18:08:54	00:04:34	43.4	18:11:00	18:14:51	00:03:52	18:16:55	18:23:49
13:42:21	13:48:19	18:05:35	18:11:24	00:05:49	18:11:57	18:17:41	00:05:44	43.4	18:19:47	18:24:14	00:04:27	18:26:17	18:31:22
13:55:10	14:01:08	18:13:07	18:20:09	00:07:02	18:20:43	18:27:03	00:06:20	43.4	18:29:08	18:31:49	00:02:41	18:33:53	18:38:52
13:56:57	14:02:55	18:31:25	18:37:07	00:05:43	18:37:40	18:46:38	00:08:58	43.4	18:48:44	18:52:02	00:03:17	18:54:07	18:55:31
13:52:52	13:58:51	18:43:25	18:49:08	00:05:44	18:49:40	18:54:50	00:05:11	43.4	18:56:56	18:59:17	00:03:17	19:01:20	19:03:56
13:52:40	13:58:38	18:51:37	18:57:19	00:05:42	18:57:54	19:02:06	00:04:11	43.4	19:04:10	19:07:34	00:03:24	19:09:39	19:12:27
13:53:31	13:59:29	18:58:51	19:04:35	00:05:45	19:05:07	19:10:23	00:05:17	43.4	19:12:29	19:14:48	00:02:18	19:16:52	19:21:03
13:53:24	13:59:23	19:07:10	19:12:52	00:05:42	19:13:24	19:17:39	00:04:15	43.4	19:19:42	19:22:02	00:02:20	19:24:08	19:29:44
13:58:53	14:04:51	19:21:38	19:27:21	00:05:43	19:27:54	19:32:59	00:05:04	43.4	19:35:02	19:38:55	00:03:53	07:03:19	07:18:21
13:59:35	14:05:33	19:28:53	19:35:26	00:06:33	19:36:00	19:41:45	00:05:44	43.4	07:03:19	07:18:45	00:15:26	07:20:49	07:25:26
14:04:35	14:10:33	19:36:58	19:44:13	00:07:15	07:03:19	07:21:35	00:18:16	0	07:23:40	07:30:01	00:06:20	07:32:05	07:33:22
03:21:06	03:27:03	07:16:11	07:35:19	24:19:09	07:35:52	07:40:04	00:04:12	34	07:42:08	07:45:48	00:03:39	07:47:52	08:10:05
03:22:25	03:28:23	07:36:51	07:42:33	00:05:42	07:43:05	07:48:36	00:05:31	34.2	07:50:41	08:10:29	00:19:49	08:12:34	08:17:53
03:29:04	03:35:03	07:56:41	08:39:32	48:42:52	08:40:05	08:45:14	00:05:09	36.4	08:47:18	08:50:30	00:03:12	08:52:35	08:58:50
03:12:19	03:18:16	08:41:59	08:47:42	00:05:43	08:48:15	08:53:20	00:05:04	36.3	08:55:24	08:59:15	00:03:51	09:01:20	09:05:56
03:12:58	03:18:56	08:49:14	08:55:48	00:06:34	08:56:21	09:02:06	00:05:44	36.9	09:04:10	09:06:30	00:02:20	09:08:36	09:13:00
03:10:25	03:11:26	09:06:06	09:11:49	00:05:43	09:12:23	09:18:03	00:05:41	40.4	09:20:10	09:26:11	00:06:02	09:28:16	10:28:31
03:09:01	03:14:59	09:14:49	09:20:33	00:05:43	09:21:05	09:29:01	00:07:56	43.5	09:31:07	10:28:55	00:57:49	10:31:00	10:36:57
03:06:40	03:12:38	09:25:47	09:31:30	00:05:43	09:32:03	10:31:46	00:59:43	37.8	10:33:51	10:37:22	00:03:30	10:39:26	10:45:30
02:14:10	02:20:08	09:31:40	10:42:39	49:11:01	10:43:12	10:48:44	00:05:32	38.7	10:50:50	10:54:32	00:03:43	10:56:36	11:02:50
03:12:28	03:18:27	10:45:20	10:51:14	00:05:54	10:51:46	10:57:23	00:05:36	38.8	10:59:26	11:03:15	00:03:48	11:05:19	11:11:37
03:12:15	03:18:14	10:53:32	10:59:52	00:06:20	11:00:23	11:06:05	00:05:41	39.3	11:08:10	11:12:02	00:03:53	11:14:06	11:21:01
03:12:16	03:18:15	11:01:30	11:08:34	00:07:03	11:09:05	11:14:52	00:05:47	39.5	11:16:57	11:21:25	00:04:27	11:23:29	11:28:34
03:04:26	03:10:24	11:29:54	11:35:37	00:05:43	11:36:11	11:44:03	00:07:53	40.9	11:46:07	11:49:37	00:03:29	11:51:42	11:53:07
03:02:05	03:08:03	11:40:49	11:46:31	00:05:44	11:47:04	11:52:26	00:05:22	41.1	11:54:32	11:57:31	00:03:00	11:59:37	12:01:31
03:02:17	03:08:15	11:49:13	11:54:57	00:05:43	11:55:29	12:00:22	00:04:53	41.6	12:02:27	12:05:21	00:02:55	12:07:26	12:10:04
03:03:04	03:09:03	11:57:07	12:02:51	00:05:42	12:03:23	12:08:10	00:04:46	41.4	12:10:15	12:14:13	00:03:58	12:16:18	12:18:43
03:04:02	03:10:01	12:04:56	12:10:39	00:05:43	12:11:14	12:17:02	00:05:49	41.6	12:19:08	12:21:27	00:02:19	12:23:33	12:27:25
03:08:08	03:14:06	12:13:49	12:19:32	00:05:43	12:20:05	12:24:17	00:04:13	41.3	12:26:23	12:28:43	00:02:19	12:30:48	12:36:13
03:08:55	03:14:54	12:21:03	12:26:47	00:05:44	12:27:20	12:31:34	00:04:14	41.7	12:33:38	12:36:36	00:02:58	12:38:42	13:40:28
03:09:37	03:15:35	12:28:19	12:34:02	00:05:44	12:34:35	12:39:26	00:04:51	41.8	12:41:32	13:40:52	00:59:20	13:42:58	13:48:01

**LOAD NO. WISE PROCESS REPORT EXCEL FILE FOR ALL LOAD PROCESS FOR THE DAY**





# SCADA BASED PLANT MIMIC



Think big...



**Bright Metals & Foods**  
 J - 345, MIDC, Bhosari, Pune - 411 026.  
 Tel : +91-20-27130345. Email : info@bigbmf.com  
 Since 1987

	SET	ACTUAL
DEGRESING TEMP:	55.0°	54.5°
ANODIC TEMP:	55.0°	53.9°
DRYER TEMP:	60.0°	58.7°
VOLTAGE A:	10.0V	10.0V
CURRENT A:	500.1A	498.1A
VOLTAGE B:	10.0V	100.1V
CURRENT B:	500.1A	490.1A
TANK-16 pH:		1.27
TANK-17 pH:		1.91
TANK-22 pH:		2.35



G-10, First Floor  
 Mangalmurti Complex, MIDC,  
 Bhosari, Pune-411026.  
 sales@prizmautomation.com  
 Ganesh Toke +91-9552560741



# OUR ESTEEMED CUSTOMERS

## PRIZM AUTOMATION

## TRANSPORTER FOR SURFACE TREATMENT - USER CUSTOMER LIST

Sr.No.	Customer Name	Location	No.of Wagon	Application	Sr.No.	Customer Name	Location	No.of Wagon	Application
1	Bright Metals	Bhosari, Pune	4	Plating / Barrel	39	Jamosh Auto Coatings	Wai, Satara	2	Phosphating
2	Bright Metals	Bhosari, Pune	2	Plating / VAT	40	Sagar Auto Parts P.L.	Sanaswadi, Pune	1	Phosphating
3	Abhijeet Industries	Bhosari, Pune	2	Plating / VAT	41	Sai Surface Coating	Bhosari, Pune	3	Plating / VAT
4	Abhijeet Industries	Bhosari, Pune	1	Plating / Barrel	42	Parshwanath Metals	Bhosari, Pune	2	Plating / Barrel
5	Sai Surface Coating	Bhosari, Pune	2	Plating / Barrel	43	Parshwanath Metals	Chakan, Pune	2	Plating / VAT
6	Sai Surface Coating	Bhosari, Pune	1	CED	44	Shivani Industries	Chakan, Pune	2	Plating / Barrel
7	SKS Fastners	Chakan, Pune	3	Plating / Barrel	45	Shivani Industries	Bhosari, Pune	2	Plating / Barrel
8	SKS Fastners	Chakan, Pune	2	Phosphating	46	Ultra Engineers	Chakan, Pune	1	Phosphating
9	Pushpashree Surface Coating	Pirangut, Pune	2	Plating / VAT	47	Sterling Tools Limited	Faridabad, Delhi	2	Phosphating
10	Pushpashree Surface Coating	Pirangut, Pune	2	Plating / Barrel	48	Siddhivinayak Industries	Talawade, Pune	2	CED
11	Ameya Surface Solutions	Chakan, Pune	3	CED	49	ProtoD Engineering	Chakan, Pune	3	CED
12	Ameya Surface Solutions	Chakan, Pune	5	CED	50				
13	Renuka Auto Components	Jamshedpur	3	CED	51				
14	Renuka Auto Components	Jamshedpur	3	CED	52				
15	Starways Precision	Chakan, Pune	2	Plating / Barrel	53				
16	Maharashtra Fastners	Markal, Pune	3	Plating / Barrel	54				
17	Accord Engineering	Hinjewadi, Pune	3	Plating / VAT	55				
18	S.P. Metalurgicals	Chakan, Pune	1	Plating / VAT	56				
19	Grow Star Electroplating	Chinchwad Pune	1	Plating / VAT	57				
20	Sai CED Coating	Bhosari, Pune	2	CED	58				
21	Gurukrupa Industries	Bhosari, Pune	1	Phosphating	59				
22	V.P. Industries	Chakan, Pune	1	CED	60				
23	Aradhya Coating	Moshi, Pune	1	Phosphating	61				
24	Amar Coating	Kolhapur	2	CED	62				
25	Kwality Powder Coating	Lucknow	3	CED	63				
26	Paul & Compnay	Jamshedpur	2	CED	64				
27	Sumit Entepriises	Jamshedpur	3	CED	65				
28	Royal Coatings	Chakan, Pune	1	Phosphating	66				
29	Abhijeet Enterprises	Narhe, Pune	1	Plating/VAT	67				
30	Sai CED Coating - Chakan	Chakan, Pune	1	Phosphating	68				
31	Ameya Corrosion Solutions	Chimbli, Pune	2	Phosphating	69				
32	O.P. Industries	Chakan, Pune	2	Plating / VAT	70				
33	Polybond India Pvt. Ltd.	Sanaswadi, Pune	1	Phosphating	71				
34	A1 Coatings	Chimbli, Pune	2	CED	72				
35	Gurukrupa Industries	Kudalwadi, Pune	2	CED	73				
36	Vaidya V&I Infrastructure	Nagpur	1	CED	74				
37	Yoshika Industries	Chakan, Pune	3	Plating / VAT	75				
38	Shree Automotive	Talawade, Pune	1	Phosphating	76				

