

Delta Electronics India Pvt. Ltd. Rudrapur

EHS Handbook

Doc. No.: QF/DPS/485,Rev.:01 ,Issue Date: 09/11/2021





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Message From Factory Manager



"Safety" is prime, everyone know this slogan but question is, to obey this law from your heart. Simple example is, how many of us stop at Red light in late night period when no traffic police, wearing seatbelt and helmet even if no policing. Need to understand safety is for ourselves not for other person who in watching us to grab. Need to change the mentality and follow the laws defined for us. The message is very simple, need to educate ourselves for the surroundings where we are working, need to know Hazards and subsequent risk of work place to ensure safe operation & at the same time need to identify aspect and subsequent impact on Environment to protect society.

A small initiative with positive mind of frame can change the world. Let us contribute and live happily. Manogya Kumar



Message from Quality Assurance Manager



Dear Colleagues

I would like to request all to take maximum advantage from this EHS booklet which is specially designed for your ready reference and record. By implementing a Safety Management System will allow our organization to take a risk-based approach to manage the identification of hazards that pose safety risks, accident and incident investigative processes & emergency response preparedness etc. and in the same time we should realize our responsibility towards environment pollution prevention & control and minimization of carbon emissions. Kindly actively participate & bring unsafe acts, unsafe conditions & environmental issues to the knowledge of EHS committee.

Happy Learning!

NC Sahoo



Corporate Culture

Strive for change, and pursue sustainability

Innovation

Create new ideas and take them to success effectively

Quality

Consistently deliver superior performance and pursue improvement all the time

Agility

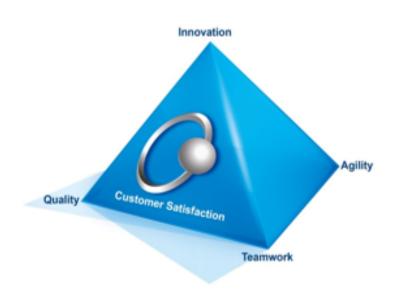
Identify emerging trends and act quickly to capture new opportunities

Teamwork

Fully leverage global value networks and collaborate to achieve mutual goals

Customer Satisfaction

Anticipate customer needs and exceed expectations





Corporate Mission

To provide innovative, clean and energy-efficient solutions for a better tomorrow





Brand Promise





Telecom Power System











Outdoor Systems



Indoor Systems













UPS Solutions



Data Centre Infrastructure Solutions





Electric Vehicle Charger

EV Charging Solutions



EV Charger



25kW DC Wallbox **EV Charger**



15kW DC001 **Bharat Charger**

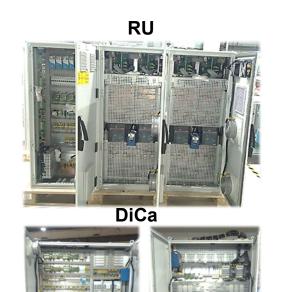
A DELTA

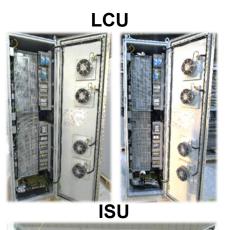
- Complete range of Energy efficient EV charging solutions with DC Quick Chargers, AC Chargers and Site Management System
- Convenient uses in multiple applications like Highway Service, Parking Space, Service Stations, Residential and Commercial Buildings.
- Maximizing convenience for system operators and EV drivers through smart network communication capabilities





Wind Power Converters











Quality Policy

Delta Electronics India Pvt. Ltd. is committed to fulfil the needs and expectations of all stakeholders within the framework and strategic direction set by the management by complying with all applicable statutory and regulatory requirements. The activities shall be established and aimed towards continual improvement of its performance by timely delivery of cost effective products & Services, solutions of high value with latest features, meeting the requirements of our valued customers.

This shall be achieved by adhering to the Quality Management System.

The senior management is fully committed to the above and actively encourage a similar commitment by personnel at all levels of the organization to enhance quality management system.

This quality policy is evaluated as part of the overall review of the management system to ensure its stated objectives are met.

Date: 16/01/2019

Managing Director (R. Om Prakash)



Environmental Policy

We realize our responsibility and commitment towards establishing activities that helps in conserving nature and minimized resource usage, based on the business environment and the strategic direction. Our objective is to participate and contribute towards prevention and control of pollution within our premises, minimization of all types of waste generation throughout the lifecycle of the product and minimum use of natural resources.

The Management of Delta Electronics India Pvt. Ltd. are fully committed to the protection of the environment, prevention of pollution, compliance with current environmental legislation and fulfilment of compliance obligations

We, working in harmony, commit ourselves to continually improve the environment of our work place through

- Creation of awareness amongst all employees and other interested parties.
- Meeting the compliance obligation and other requirements.
- Control of pollution within our premises.
- Minimization of waste generation.
- Conservation of resources & basic amenities.

Date: 16/01/2019

Managing Director (R. Om Prakash)



Occupational Health and Safety Policy (ISO 45001: 2018)

The management of Delta Electronics India Pvt. Ltd. is committed to provide safe and healthy working conditions to employees, workers, sub-contractors and all stakeholders for the prevention of work related injury and ill health. The Occupational Health & Safety (OH&S) management system reflects the nature and scale of the organization's OH&S risks and opportunities as per the strategic direction from management.

Health, safety and hygiene implementation is everyone's responsibility and each individual shall commit themselves and take steps towards a safe and healthy work environment, at each relevant functions and levels.

Delta is committed to the implementation of OH&S management system through:

- Promote safe and healthy workplace for all employees, customers, sub-contractors, suppliers and visitors.
- Prevention of injuries and ill health.
- Elimination of hazards and take actions to reduce OH&S risks.
- Improvement of OH&S Management System continually and ensuring that it remains relevant and available to all interested parties.
- Fulfilment of legal and other requirements.
- Consultation and Participation of worker / workers' representatives.

This policy is evaluated as part of the overall review of the management system to ensure its stated objectives are met.

Date: 09/06/2020

Managing Director (Om Prakash Ramamurthy)



Calibration Lab

QUALITY POLICY AND OBJECTIVES

Quality Policy:

Laboratory is committed to total customer satisfaction and continually improve the effectiveness of management system through reliable, accurate and prompt services in the field of calibration by implementing IS/ISO/IEC 17025:2017.

Quality Objectives:

- All measurement results are traceable to National/International standards.
- Laboratory ensure that competence, impartiality and consistent operation maintained.
- Upgrading the calibration facilities to meet the changing needs of the Customer.
- Implement risk based approach for prevention of undesired effects and promoting continual improvement.
- Provide timely delivery services (Maximum 2 days is to be taken for complete dispatch of instrument to the customer).

To achieve these objectives, the laboratory has implemented a detailed management system. It is responsibility of all personnel to familiarize themselves with the contents of management system and comply with them at all times.

Date: 11.03.2019

Plant Head (Manogya Kumar)



Green Factory

Energy Conservation:

- PV solar cells installed in admin block, Generating 9.8 kW, saving CO2 emission 8500 kg/year.
- Turbo ventilators improving quality of air & reducing temperature by 3 to 5 degrees energy (approximate 15KW/hour).
- Using ERS system in 2 burn in chambers, saving approx. 1,78,000 KWH per year.
- Automatic Power Factor Controller (APFC) PF of 0.99 saving electrical energy by 12 to 15%.





Water conservation:

- Recycled about 2837.45 KL of water through Sewage Treatment Plant.
- Zero discharge of domestic effluent to the public sewage from January 2009 to till date.

We are committed not to harm mother nature with our presence!



Know Your Standards















Participation in Safety, Health and Hygiene



- ☐ Participate in Incident Investigation
- □ Ask freely in matter of safety and hygiene .
- ☐ Identify hazards and associated risks
- ☐ Be the pillars to establish policies

Be the part of our Occupational Health and Safety Program Today



How to Deal With Emergency & Mock Drill











Electrical Safety Do's and Don'ts

Do's:

- Treat every electrical device like it is energized, even if it does not look like it is plugged in or operational.
- Unplug appliances before performing any service or repairs on them.
- When working on electrical devices, only use tools that have official "non-conducting" handles.
- Try to limit the use of electrical equipment in rooms that are very cold or have a lot of condensation.
- When handling electrical equipment, make sure your hands are dry.
- If you spill any kind of liquid on electrical equipment, first immediately shut off power to the equipment via the main switch or circuit breaker and then unplug the equipment itself.
- Keep all electrical circuit contact points enclosed.
- Finally, if you are able to, work on electrical equipment with one hand while the other hand is out of the way at your side or in your pocket. This minimizes the chance of a current passing through your chest should a spark/accidental charge occur. Don'ts

- First and foremost don't touch active electrical circuits.
- Never touch electrical equipment when any part of your body is wet, (that includes fair amounts of perspiration).
- Do not store liquids of any sort near electrical equipment.
- If a person comes into contact with an energized electrical conductor, do not touch the equipment, its cords, or the person affected because the charge may pass to you. Instead, shut down the main power source via the circuit breaker and then unplug the equipment using a leather belt.
- Do not wear metal of any sort if you are working on electrical equipment.
- Also, do not try to poke, probe, or fix electrical equipment with objects like pencils or rulers because the metal in them can serve as a form of conductor.



First Aid Guidelines







Medical Emergency Treatment Facilities























Medical Emergency Treatment Facilities



Delta Medical Officer: Dr. Sudesh Chauhan, Mobile number: 9675212172,

Office Ext: 9022

Normal and Emergency First-Aid Facility Available in our Medical Room.



- Folding and Wheel Stretche
- Wheel Chair
- Oxygen Cylinder
- -TT and Snake
 Bite Vaccine

Medical Facilities



Medicity Hospital Contact Person Mr. Rajeev Kumar-9837655777. Mr. Ravi Kant - 9599430481

Empanelled Hospital

- -The Medicity:
- Narayan Hospital & Trauma Centre

Narayan Hospital Contact Person: Dr. Vimal Chauhan-7500244400, Mr. P.S. Mehta: 75500244406



Hazards and Risk









Aspect and Impact

What is Aspect and Impact?

Environmental Aspect:

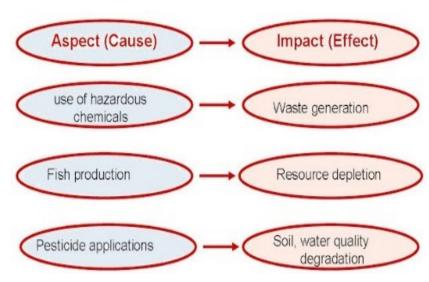
- "element of an organization's activities, products, or services that IMPACT can affect the environment."
- "Note: A significant aspect is an environmental aspect that has c can have a significant environmental impact." (ISO14001Sec. 3.3)

Environmental Impact:

"any change to the environment, whether adverse or beneficial, wholly or partially resulting from an organization's activities, products, or services." (ISO14001Sec. 3.4)



ASPECT





Visitor Instructions





Vehicle Driver Instructions





Safety Instruction for Car Owners

SAFETY INSTRUCTIONS FOR FOUR-WHEELERS Park Vehicle properly in position. R Don's park vehicle in no parking zone. Wear safety Belt while driving. Don't drive vehicle too fast. Don't overtake vehicle from left side. Don't use mobile phone while driving.



Safety Instruction for Bike Owners

SAFETY INSTRUCTIONS FOR TWO-WHEELERS







Don's park vehicle in no parking zone.



Wear helmet while driving.



Don't drive vehicle too fast.



Don't overtake vehicle from left side.



Don't use mobile phone while driving.



Don't drive vehicle with three persons sitting.



6S LEAN WORKPLACE



Organization – keeping only what is necessary and discard everything else – when in doubt, throw it out



2. SET IN ORDER

Orderliness – arranging and label only necessal items for easy use and return by anyone



3. SHINE

Cleanliness – keeping everything swept and clean for inspection – for safety and preventative maintenance



4. STANDARDIZE

Standardized cleanup - the state that exists when the first three pillars or "S's" are properly maintained



5. SUSTAIN

Sustaining the discipline – making a habit of properly maintaining correct procedures



6. SAFETY

Accident prevention – awareness of all activities to identify and eliminate hazards for a zero accident and injury-free workplace





Before implementing 5S



After implementing 5S



PPE Matrix

SI. No.	Activity	Hazard	PPE	Picture
1	Assembly and Inspection	Sharp Edges	Safety Gloves	
2	Assembly and Inspection	Fall and Sharp Edge	Safety Shoes and Gloves	
3	HIPOT Test	Electricity	Safety Shoes and Electrical Gloves	
4	Final Test	Electrical	Shoes and Electrical Gloves	
5	Repair/Soldering	Sharp edge, Chemical, Electrical	Gloves, nose mask	
6	Warehouse/Kitting	Falling Objects from heights	Safety Shoes, Helmet	
7	Trolley/Fork Lift Movement	Stumble with sharp edges	Safety Shoes, Helmet	
8	Fixture making and Tool job	Generation of Chips, solid wastes	Goggles, Safety Shoes, Gloves	

Note: Images for representational purpose only.



Ergonomics







Skill Development Programs- Skill Centre

CIM

Hardware Assembly and Torque

Workmanship

Soldering

Testing

- Newly developed facility with simulated cell lines.
- An initiative for operator certification in respective work areas.
- ☐ Over 25 workmen/week trained through this facility.
- Evaluation includes theory as well as practical aspects.
- ☐ Repeated trainings and practical help reduce human error.



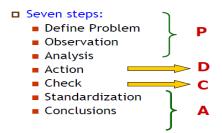




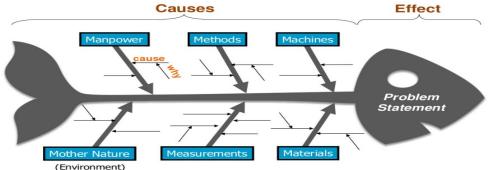


Problem Solving Tools

Problem Solving-Steps



Cause & Effect Diagram (Manufacturing)



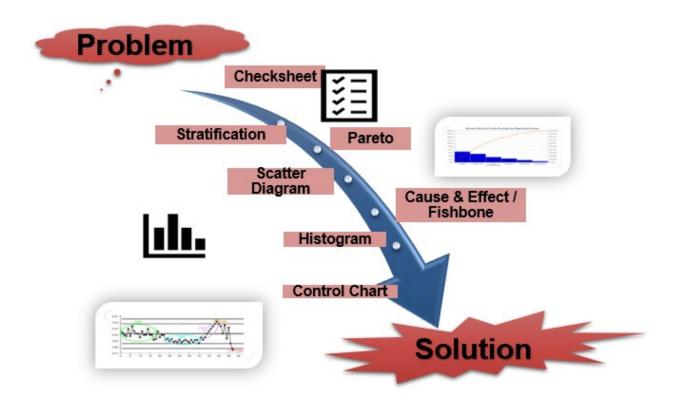
5 WHY ANALYSIS – GOOD EXAMPLE







7 QC Tools







Flow Charts

- A flow chart is a pictorial representation showing all of the steps of a process. Creating a Flow Chart
 - First, familiarize the participants with the flow chart symbols.
 - Draw the process flow chart and fill it out in detail about each element.

 Analyze the flow chart. Determine which steps add value and which don't in the process of simplifying the work.



Pareto Charts

Purpose:

Prioritize problems.

How is it done?

- -Create a preliminary list of problem classifications.
- -Tally the occurrences in each problem classification
- -Arrange each classification in order from highest to lowest
- -Construct the bar chart

Type of De	fect	Tally	Total
Crack	וו גאו	N .	10
Scratch	וו ואו	וו ואל אל ואל א	42
Stain	I KK		6
Dent	IN IN	ווו אל או אוו א	104
Gap	1111		4
Hole	THI IN	או אוו א	20
Others	וו גאו	W IIII	14
Total			200

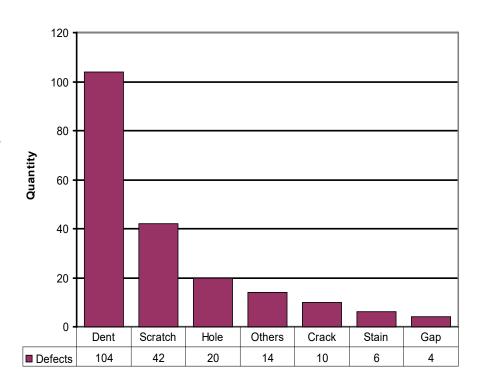
Example of a data tally sheet



Pareto Charts

Benefits:

- Pareto analysis helps graphically display results so the significant few problems emerge from the general background
- It tells you what to work on first





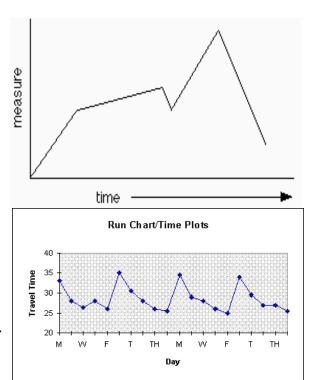
Run Chart

Run Charts Defined

 Run charts are used to analyze processes according to time or order.

An Example of Using a Run Chart

An organization's desire is to have their product arrive to their customers on time, but they have noticed that it doesn't take the same amount of time each day of the week. They decided to monitor the amount of time it takes to deliver their product over the next few weeks.

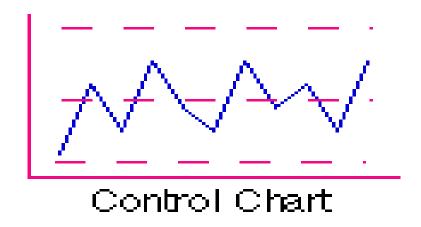




Control Chart

Control Charts Defined

 Control charts are used to determine whether a process will produce a product or service with consistent measurable properties.





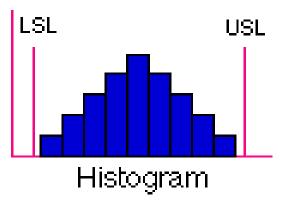


Purpose:

To determine the spread or variation of a set of data points in a graphical form.

How is it done?

- a) Collect data, 50-100 data point, determine the range of the data calculate the size of the class interval.
- b) Divide data points into classes Determine the class boundary
- c) Count no. of data points in each class
- d) Draw the histogram





Check Sheet

Purpose:

- Tool for collecting and organizing measured or counted data
- Data collected can be used as input data for other quality tools

Benefits:

- Collect data in a systematic and organized manner
- To determine source of problem
- To facilitate classification of data (stratification)

- <u> </u>		
Product:		Date:
Manufacturing stage	: Final insp.	Section:
Type of defect: scar	, incomplete crack, misshapen	Inspector's name:
Total no. inspected:	1525	Lot No.:
Remarks: All items i	nspected	Order No.:
Туре	Check	Subtotal
Surface scars	M M M II	17
Cracks	M MII	11
Incomplete	M M M M M I	26
Misshapen	III	3
Others	M	5
	Total:	62
Total rejects	M M M M M	42
	M M M M II	



Fish Bone Diagram

Purpose: Graphical representation of the trail leading to the root cause of a problem.

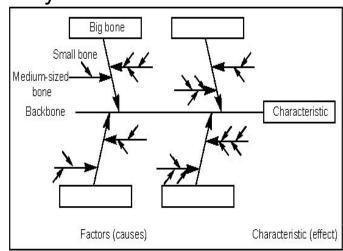
How is it done?

Decide which quality characteristic, outcome or effect you want to examine

(may use Pareto chart)

Backbone –draw straight line

- Ribs categories
- Medium size bones –secondary causes
- Small bones root causes





Scatter Diagram

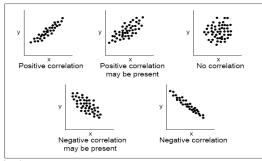
It is to identify the correlations that might exist between a quality characteristic and a factor that might be driving it .A scatter diagram shows the correlation between two variables in a process.

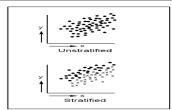
 These variables could be a Critical To Quality (CTQ) characteristic and a factor affecting it two factors affecting a CTQ or two related quality characteristics. Dots representing data points are scattered on the diagram.

- The extent to which the dots cluster together in a line across the diagram shows the strength with which the two factors are related.

- If the variables are correlated, when one changes the other probably also changes.

- Dots that look like they are trying to form a line are strongly correlated.
- Sometimes the scatter plot may show little correlation when all the data are considered at once.
- Stratifying the data, that is, breaking it into two or more groups based on some difference such as the equipment used, the time of day, some variation in materials or differences in the people involved, may show surprising results.







Tool Matrix

Tool Matrix

	Check Sheet	Pareto	CE Diagram	Scatter plot	Graphs	Control Chart	Histogra m
Define	0	0			0		
Observation	0				0	0	0
Analysis	0	0	0	0		0	0
Action							
Check		0		0	0	0	0
standardizatio n					0	0	
Conclusion		0			0		

Legend: O Medium Relationship
Strong Relationship

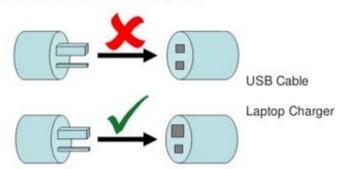


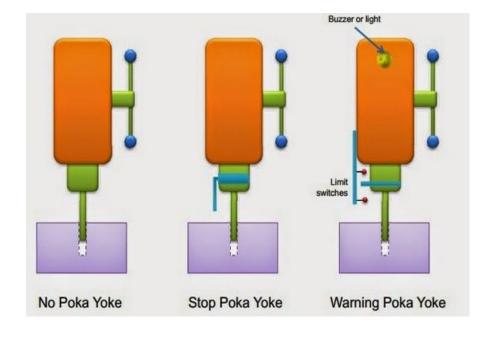
Poka-Yoke

Poka Yoke - Mistake Proofing

A poka-yoke is any mechanism in a lean manufacturing process that helps an equipment operator avoid (yokeru) mistakes (poka).

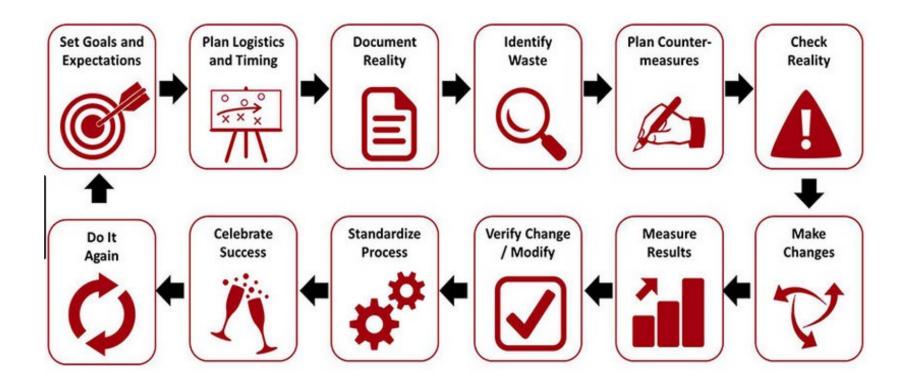
Its purpose is to eliminate product defects by preventing, correcting, or drawing attention to human errors as they occur







Kaizen





ESD Guidelines

What is ESD?

Electrostatic discharge is defined as the transfer of electro static charges between bodies at different potential caused by direct contact or induced electrostatic field

ESD Event

It is an unplanned occurrence of electrostatic discharge

ESD Models have been defined to describe the effects on ESD sensitive devices:

- ☐ Human Body Model
- ☐ Charged Device Model
- ☐ Machine Model

100 volts or less can damage components!

Types Of ESD Device Damage

- ▶ Latent Defect Component wounded But Inspection Passes
- Catastrophic Failures
 Inspection
 Able to detect







ESD Guidelines

DO'S

- **☑** MINIMISE HANDLING.
- oxdiv KEEP PARTS IN ORIGINAL PACKING UNTILL READY FOR USE.
- **☑** USE ESD PROTECTIVE CONTAINERS AND BAGS.
- ☑ DISCHARGE STATIC BEFORE HANDLING DEVICE BY TOUCHING NEARBY GROUNDED SURFACE.
- **☑** HANDLE DEVICES BY THE BODY.
- ☑ TOUCH THE ESD PROTECTIVE PACKAGE BEFORE TOUCHING INSIDE OF DEVICE.
- **☑** KEEP A DUST FREE WORK AREA.

DONT'S

- **▼** TOUCH THE LEADS OF DEVICE.
- **IN SECTION SET OF SECTION SECTION SET OF SECTION SECTION SET OF SECTION SECTION**
- **▼ PUT MASKING TAPE ON PROGRAMMABLE IC'S.**
- STORE OR CARRY SENSITIVE COMPONENTS OR ASSEMBLIES IN PLASTIC BAGS.
- **■** STORESENSITIVE COMPONENTS IN THERMOCOLE/PLASTIC FOAM.
- **HANDLE ESD DEVICES IN "NON ESD CONTROLLED" ENVIRONMENT.**

ESD Warning Labels



CAUTION
Contains parts and
assemblies susceptible to damage by
Electrostatic Discharge (ESD)





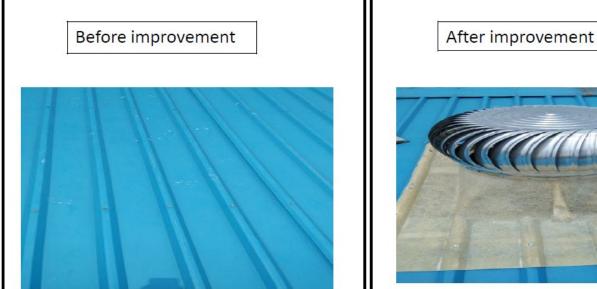
ESD Committee

ESD Committee				
Area	Audittee	Audittee	Auditor	Auditor Contact Number
ESD Team Leader		NC Sahoo		9999673873
TRC	Suresh Singh	7895140073	Sunil Singh	9756206073
IKC	Sunil Kumar	9756347148	Sumit Jain	9756206035
	Sanjay Rana	9997845848	Kalyan Singh	9756691848
ESD Production Floor	Anand Bhatt	7906993196	Kapil Kainth	7017102431
	Naresh Kumar	9756206027	Deepak Goswami	9720085276
PWBA Ware House	Chandra.S	9634370002	Satish Sharma	9997092802
	Pravindra Negi	9997972016	Manish Srivastava	7409342879
WPC Production	Manoj Kumar	9720438688	Himanshu Sanwal	9412513630
	Shekhar Upreti	9808703828	Pravindra Negi	9997972016
UPS Production &	Naresh Kumar	9756206027	Sunil Kumar (TRC)	9756347148
Testing area	Maresii Kumai	9750200027	Surendra Singh(Facility)	9756362270
PDI Testing	Deepak Goswami 9	9720085276	Chandra.S	9634370002
	Deepak Goswaiiii	3120003210	Anil Kumar	9761469193
IQC	Pankaj Yadav	8272000498	Navneet Gaur	8800378935
TPS Engineering Lab	Akhilesh Semwal	9759700433	Manoj Kumar	9720438688
	Payarelal	9871433002	Nagendra Sharma	8755530008
UPS Engineering Lab	Ankur Malviya	8937010777	Shekhar Upreti	9808703828



Supplier Improvement Program

Problem: Very high atmosphere temp., leading suffocation & low visibility without light at day time under shade area.



Action: Installed the self operating Air ventilation Fan with transparent FRP sheet to improve the ventilation & natural light.



Supplier Improvement Program

Problem: No provision for dispersion of fumes after soldering process.

Before Counter Measure :- No space to smoke absorber



After Counter Measure :- We have made the exhaust hood & connect with main exhaust system.



Action: Installed fume extractor for sucking fumes during soldering operation.



Delta at CSR















Emergency Response and Rescue Team

EMERGENCY RESPONSE TEAM DELTA RUDI				
S.No	First Aid Team member	Contact No		
1	Suresh Singh(TRC)	7895140073		
2	Sunil Yadav(TRC)	9756347148		
3	Kamlesh Bisht(TRC)	7500017582		
4	Santosh Kumar (TRC)	9634625262		
5	Narayan Dutt Kapari(TRC)	8193032538		
6	Umesh k.Gupta(UPS Production)	7983747161		
7	Rakesh.K.Keshari(UPS Production)	9616030506		
8	Sudesh Chauhan(Medical Officer)	9675212172		
9	Nirmal Singh(QA)	9675050788		
10	Manoj Gunwant(QA)	8938810028		
11	Naresh Kumar(Engineering)	8954556464		
12	Vijay Pal(Security)	9761234110		
13	Anuj Bajpai (Secutiry)	7895097838		
14	Ravi Dutt Pandey(Security)	8808432489		
15	Jai Chand Parsad(Facility)	9917247519		
16	Ajit Singh(Facility)	9756206036		
17	Rajeev Singh(TPS Production)	8859040063		
18	Sompal(TPS Production)	8006318830		
19	Ajit Singh Yadav(TPS Production)	9639621339		
20	Mani Bhushan Kumar(TPS	9634464131		
21	Gourpad Mandal(TPS Production)	8474964260		
22	Pushkar Singh Rawal(TPS	8006679944		
23	Anand Halder(Tool Room)	9568913309		
24	Mahendra Bhandari(WPC	7533867528		
25	Dhiraj Kumar Rai(WPC Production)	7017543523		
26	Mahesh Mishra(Logistic)	9456469865		
27	Sandeep Kumar(Ware House)	9917979757		
28	Bhupesh Rawat(Ware House)	9761124530		

2 Bhanu Pratap (Engneering) 74 3 Rajendra S. Bhandari (ProdUPS) 84 4 Mahender Singh (TRC) 99 5 Navneet (Production) 97 6 Ajit Singh (Facility) 97 7 Bupesh Joshi (TRC) 94 8 Ajeet Kumar Yadav (ProdTPS) 96 9 Mani Bhusan (Production) 96 10 Chhattu Prasad (RM/Store) 74 Firefighting Team Member 1 Sunil Kumar Singh (Facilities) 97 2 Rajeev Singh (Production) 88 3 Lalit Pargai (MQA - TPS) 99 4 Amar Kumar Jha (TRC) 87	37204662 17187816 75063712 17182826 60844988 56206036 58202533 39621339 34464131 09717650
3 Rajendra S. Bhandari (ProdUPS) 84 4 Mahender Singh (TRC) 99 5 Navneet (Production) 97 6 Ajit Singh (Facility) 97 7 Bupesh Joshi (TRC) 94 8 Ajeet Kumar Yadav (ProdTPS) 96 9 Mani Bhusan (Production) 96 10 Chhattu Prasad (RM/Store) 74 Firefighting Team Member 1 Sunil Kumar Singh (Facilities) 97 2 Rajeev Singh (Production) 88 3 Lalit Pargai (MQA - TPS) 99 4 Amar Kumar Jha (TRC) 87	75063712 17182826 60844988 56206036 58202533 39621339 34464131
4 Mahender Singh (TRC) 99 5 Navneet (Production) 97 6 Ajit Singh (Facility) 97 7 Bupesh Joshi (TRC) 94 8 Ajeet Kumar Yadav (ProdTPS) 96 9 Mani Bhusan (Production) 96 10 Chhattu Prasad (RM/Store) 74 Firefighting Team Member 1 Sunil Kumar Singh (Facilities) 97 2 Rajeev Singh (Production) 88 3 Lalit Pargai (MQA - TPS) 99 4 Amar Kumar Jha (TRC) 87	17182826 60844988 56206036 58202533 39621339 34464131
5 Navneet (Production) 97 6 Ajit Singh (Facility) 97 7 Bupesh Joshi (TRC) 94 8 Ajeet Kumar Yadav (ProdTPS) 96 9 Mani Bhusan (Production) 96 10 Chhattu Prasad (RM/Store) 74 Firefighting Team Member 1 Sunil Kumar Singh (Facilities) 97 2 Rajeev Singh (Production) 88 3 Lalit Pargai (MQA - TPS) 99 4 Amar Kumar Jha (TRC) 87	60844988 56206036 58202533 39621339 34464131
6 Ajit Singh (Facility) 97 7 Bupesh Joshi (TRC) 94 8 Ajeet Kumar Yadav (ProdTPS) 96 9 Mani Bhusan (Production) 96 10 Chhattu Prasad (RM/Store) 74 Firefighting Team Member 1 Sunil Kumar Singh (Facilities) 97 2 Rajeev Singh (Production) 88 3 Lalit Pargai (MQA - TPS) 99 4 Amar Kumar Jha (TRC) 87	56206036 58202533 39621339 34464131
7 Bupesh Joshi (TRC) 94 8 Ajeet Kumar Yadav (ProdTPS) 96 9 Mani Bhusan (Production) 96 10 Chhattu Prasad (RM/Store) 74 Firefighting Team Member 1 Sunil Kumar Singh (Facilities) 97 2 Rajeev Singh (Production) 88 3 Lalit Pargai (MQA - TPS) 99 4 Amar Kumar Jha (TRC) 87	58202533 39621339 34464131
8 Ajeet Kumar Yadav (ProdTPS) 96 9 Mani Bhusan (Production) 96 10 Chhattu Prasad (RM/Store) 74 Firefighting Team Member 1 Sunil Kumar Singh (Facilities) 97 2 Rajeev Singh (Production) 88 3 Lalit Pargai (MQA - TPS) 99 4 Amar Kumar Jha (TRC) 87	39621339 34464131
9 Mani Bhusan (Production) 96 10 Chhattu Prasad (RM/Store) 74 Firefighting Team Member 1 Sunil Kumar Singh (Facilities) 97 2 Rajeev Singh (Production) 88 3 Lalit Pargai (MOA - TPS) 99 4 Amar Kumar Jha (TRC) 87	34464131
10 Chhattu Prasad (RM/Store) 74 Firefighting Team Member 1 Sunil Kumar Singh (Facilities) 97 2 Rajeev Singh (Production) 88 3 Lalit Pargai (MQA - TPS) 99 4 Amar Kumar Jha (TRC) 87	
Firefighting Team Member Sunil Kumar Singh (Facilities) 97 Rajeev Singh (Production) 88 Lalit Pargai (MQA - TPS) 99 Amar Kumar Jha (TRC) 87	09717650
1 Sunil Kumar Singh (Facilities) 97 2 Rajeev Singh (Production) 88 3 Lalit Pargai (MQA - TPS) 99 4 Amar Kumar Jha (TRC) 87	
2 Rajeev Singh (Production) 88 3 Lalit Pargai (MQA - TPS) 99 4 Amar Kumar Jha (TRC) 87	
3 Lalit Pargai (MQA - TPS) 99 4 Amar Kumar Jha (TRC) 87	56206061
4 Amar Kumar Jha (TRC) 87	59040063
	27332480
5 S D Singh (Infra/Eacility) 07	55532582
3. F. Siligii (Illila/Facility)	56362270
	61234110
7 Mani Bhusan (Production) 96	34464131
8 Brijesh Kumar (TRC- Logistic) 99	97274643
	95097838 17247519



Emergency Response Layout



Z 1	LOGISTICS
Z2	PACKING,WPC,MCIS
Z 3	WAREHOUSE,TOOL ROOM,IQC
Z 4	ESD SHOP FLOOR
Z 5	SERVICE WH,LOGISTICS
Z 6	WAREHOUSE,ENGG
Z 7	TRC,RECEPTION
Z 8	MEZZANINE OFFICE



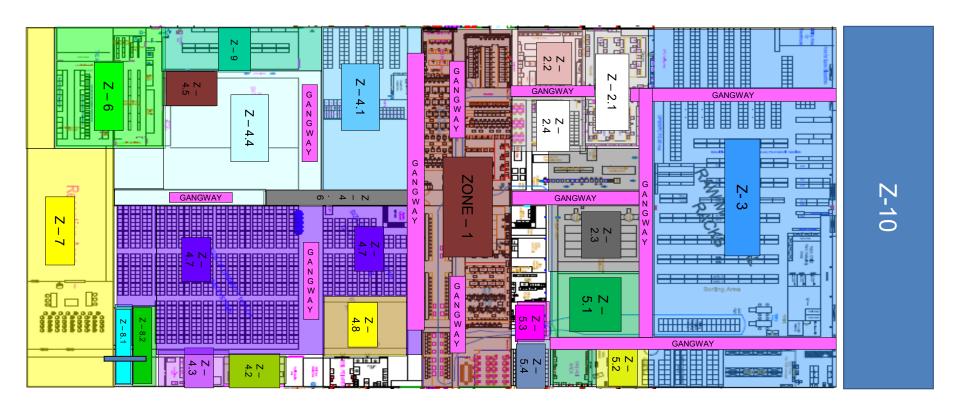
FIRE EXTINGUISHERS



EMERGENCY EXITS



6S Zone Layout





6S Committee

Zone	Owner	Team Support	
1	Mahesh Arora	Anil Kumar	
2.1	Mahesh Arora	Manoj Kumar	
2.2	Mahesh Arora	Naresh Kumar	
2.3	Mahesh Arora	Anil Kumar	
2.4	Mahesh Arora	Naresh Kumar	
3	Manoj Ahuja	Pravindra, Chandra.s, Bharat Arora	
4.1	Manoj Ahuja	Chandra.S	
4.2	Mahesh & NC Sahoo	Anil Kumar & Deepak Goswami	
4.3 & 8.2	Manish Agrawal	Ankur Malviya	
4.4	Manoj Ahuja	Pravindra Negi	
4.5	Manoj Ahuja	Chandra S	
4.6	Mahesh Arora	Manoj Kumar	
4.7	Manoj Ahuja	Bharat Arora	
4.8	Mahesh Arora	Manoj Kumar	
5.1	NC Sahoo	Deepak Goswami	
5.2	Sumit Jain	Kapil Kainth	
5.3	NC Sahoo	Pankaj Yadav	
5.4	Manoj Ahuja	Chandra.S/Pravindra Negi	
6 Pashupati Semwal		Kalyan Singh & Sunil Kumar	
7	Amit Mishra	Sunil.S	
8.1	Manish Agrawal	Pramod & Payarelal	
9	Mir Mohammad	Gajender Sharma	
10	Amit Mishra	Sunil.S	



COVID Safety

Safety Guidelines for visitors



Vehicle Parking

- Please keep the speed limit 10Km/h in our premises
- Please park your vehicle in parking
- Follow security guard instructions

Who shall perform

non-routine activities on site must be have

Contractors

Please fill in your

Registration - Entry

- details in visitor book Take visitor slip and
- Wear the card visibly
- on your body

Emergency

Contact your host.

agreed with approval from plant manager

Emergency Contact

profited.

Entering in Factory workshops and machine rooms strictly prohibited.

Smoking is only

permitted in marked

Taking alcohol on the

Taking photographs and

arrangements can be

videos prohibited. Special

premises are strictly

Visit only possible with approval from authority.

R	esponse	l	Security	Ext # 9033/9034
•	Do not panic	ı		
•	Follow instructions from	l	Security Officer	Ext # 4033
	the host.	l		Ext # 4087/4127
	Do not use lifts in the	ı		

- valid work permit. Contact your host. Identify Environment
- Safety risk in your
- Personal protective equipment's must be worn during the work
- Report any unsafe acts/conditions and incidents to EHS manager
- Before leave from work area must inform to your host.

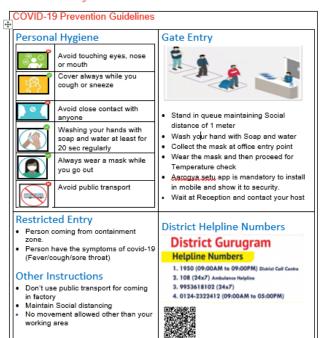
using the marked emergency exit and escape route. Assemble in designated area near main security gate.

Leave the building

event of a fire.

Security	Ext # 4033
Officer	
Facility	Ext # 4087/4127
EHS	Ext # 4083/4054
First Aid	Ext # 4022
Police	100
Fire Station	101
Ambulance	102

Safety Guidelines for visitors







Smarter. Greener. Together.

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