



COLOUR AND CODING SCHEME

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1.0 PURPOSE

The purpose of this work instruction is to provide the uniform colour and coding scheme for the painting of the equipment and piping installed in our power plant by various vendors. This will help enhance the aesthetic ambience of an otherwise industrial environment. At the same time, for identification purpose, colour code/tags have been enumerated for labeling of articles; equipment, pipes, structures etc.

2.0 SCOPE

- 2.1. **The Colour and Coding Scheme** covers applications of Ground Colour and Colour Tags/ Bands on power plant equipment, piping & ducting as final coat over and above the protective coatings for the purpose of identification.
- 2.1. **The Surface Preparation** process and sequence of painting, Statutory requirements and other public Safety Regulations is beyond the scope of this standard.

3.0 DEFINITIONS AND ABBREVIATIONS

- 3.1. HOD – Head of the Department
- 3.2. MR – Management Representative
- 3.3. IS – Indian Standard

4.0 DESCRIPTION

- 4.1 ISO 9001 –2000, Clause 7.5.3
- 4.2 Quality Manual Section 7.5.3
- 4.3 QS-01-DIV-W-01. Guideline for drafting procedure / work instruction / guidelines.

5.0 PROCEDURE

5.1 Colour Scheme for Equipment

Major Equipment in a Building or elsewhere shall be finished with main shade of a colour scheme, while the minor equipment, pipes, etc. shall be finished with secondary shade, as enumerated in accompanying annexures.

5.2 Colour Scheme for Pipelines

The Ground Colour shall be as per the over all Colour Scheme. Generally it shall follow the secondary shade of Colour Scheme.

5.3 Identification

In the case of pipelines, IS: 9404 – 1979 “Colour code for identification of pipelines used in Thermal Power Plants” is followed for LABELLING or TAGGING so that Identification of numerous pipelines in a Thermal Power Plant can be done by

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adopting a system of colour coding consisting of a Colour Band Tag with distinct legend for each system. Direction of flow with an arrow shall be marked near valves junction fittings etc. To indicate flow & return flow pipes, words F&R will be written in the legend respectively.

5.4 Colour Band

Colour band is superimposed on the ground colour Fig 2A & 2B [Appendix C](#) to distinguish one kind or condition of the fluid it carries: for example, condensate from boiler feed, clarified water from drinking water etc.

5.5 Application

5.5.1 Ground colour may be applied in one of the following ways :-

- a. The ground colours shall be applied throughout the entire length of pipe line :-
- b. The Colour Code Band/ Tag as an identification mark shall be applied as follows:
 - i) At Start and finish of the pipes.
 - ii) At Inlet and at outlet of valves.
 - iii) Near junction and fittings.
 - iv) Before & after Walls and floors where pipe is crossing them.
 - v) It shall also be applied at intermediate points. But in no case, the distance between two consecutive colour bands shall exceed 5 meters.
- c. Colour bands shall have a minimum width of 75 mm. Where hazardous materials are carried in the pipes the colour bands shall be slant as shown in Fig.-3.
- d. The recommended colour bands for the pipe lines with their ISC/RAL nos. are given in Appendix – B.

5.6 Addition Identifications

5.6.1 Lettering

- a) For identification purpose, Colour Code/Tags have been enumerated for labeling of articles; equipment, pipes, structures.
- b) The recommended size of lettering for pipes of different diameters is given below:

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Outside Dia of pipe of Covering	Size of Legend
mm	mm
20 to 100	10
100 to 250	40
250 & above	60

The lettering shall be given on a bordered rectangular patch background, which has been designated as Colour Code Tags/ Bands.

5.6.2 Direction of Flow

Where it is required to be indicated the direction of flow arrow may be painted near the valves fittings, junctions, walls etc. and at suitable intervals along the pipeline in a manner best suited to local conditions. These shall be black in colour. If a label or badge with a codified indication is attached to the pipe the direction of flow may be indicated by the painted end of the label or badge or a painted arrow.

5.6.3 Visibility of Markings

Consideration should be given to the visibility of the letters from the Working platforms. For example where the pipelines are located above the normal line of vision of the operator, the lettering should be placed below the horizontal line of the pipeline.

6.0 ASSOCIATED DOCUMENTS

- NIL -

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APPENDIX A

EQUIPMENT

		<i>Ground Colour</i>		<i>Identification Tag/Band</i>			
<i>Sl. No.</i>	<i>Equipment</i>	<i>Colour</i>	<i>RAL</i>	<i>Colour</i>	<i>ISC No.</i>	<i>Equivalent RAL No.</i>	<i>Remarks</i>
MAIN PLANT							
1.	Main Turbine	Blue	5012	White		9010	Legend in black letters
2.	Main generator	Blue	5012	White		9010	Legend in black letters
3.	Condenser	Blue	5012	White		9010	Legend in black letters
4.	Ejectors & Vaccum Pumps	Blue	5012	White		9010	Legend in black letters
5.	Heat exchangers (eg. Deerator LP & HP heaters, gland steam condenser, lube oil cooler, stators water cooler etc.	Blue	5012	White		9010	Legend in black letters
6.	Flash tanks (HP, LP, etc.)	Blue	5012	White		9010	Legend in black letters
7.	Pumps						
	i) Boiler feed pumps	Blue	5012	White		9010	Legend in black letters
	ii) Condensate	Blue	5012	White		9010	Legend in black

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EQUIPMENT

		<i>Ground Colour</i>		<i>Identification Tag/Band</i>			
<i>Sl. No.</i>	<i>Equipment</i>	<i>Colour</i>	<i>RAL</i>	<i>Colour</i>	<i>ISC No.</i>	<i>Equivalent RAL No.</i>	<i>Remarks</i>
	extraction pumps						letters
	iii) Lube oil	Grey	9002	White		9010	Legend in black letters
8.	Valves, gates, filters	Grey	9002	White		9010	Legend in black letters
9.	Turbine oil system						
	i) Main oil tank	Grey	9002	White		9010	Legend in black letters
	ii) Central oil tank	Grey	9002	White		9010	Legend in black letters
	iii) Oil purifier & Polishing filter	Grey	9002	White		9010	Legend in black letters
10.	Boiler steel supporting	Grey	9002	White		9010	Legend in black letters
11.	Boiler coating	Grey	9002	White		9010	Legend in black letters
12.	Superheaters (exposed portions if any)	Grey	9002	White		9010	Legend in black letters
13.	Metal structures						
	i) Primary Members	Blue	5012				Columns & Beams

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EQUIPMENT

Sl. No.	Equipment	Ground Colour		Identification Tag/Band			Remarks
		Colour	RAL	Colour	ISC No.	Equivalent RAL No.	
	ii)Secondary Members	Grey	9002				Tie/ Bracing's/ Struts etc.
14.	Hand rails	Blue	5012				Wherever required otherwise SS or GI
15.	Pipe supports	Black	9011				
16.	Gratings (non-galvanised)	Black	9011				
17.	Air ducts	Grey	9002	White		9010	Primary, secondary, rear, igniter, scanner air etc. with hot or cold indication to be identified in black letters.
18.	FANS/ PA/ Scanner (booster) air/ igniter air/ Seal air fan	Grey	9002	White		9010	Legend in Black Letters.
19.	Flue gas ducts	Grey	9002	White		9010	Legend in Black Letters.
20.	ID fans	Grey	9002	White		9010	Legend in Black Letters.
21.	Coal mills and associated feeders	Grey	9002	White		9010	Legend in Black Letters.
22.	Mill reject system grey green	Grey	9002	White		9010	Legend in Black Letters.

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EQUIPMENT

Sl. No.	Equipment	Ground Colour		Identification Tag/Band			Remarks
		Colour	RAL	Colour	ISC No.	Equivalent RAL No.	
23.	Paddle feeders below track hopper	Golden Yellow	1004	Signal Red	537	3001	For moving parts black strips should be superimposed over the base colour.
24.	Travelling Tripper	Golden Yellow	1004	Signal Red	537	3001	For moving parts black strips should be superimposed over the base colour.
25.	Stacker cum	Golden Yellow		Signal Red	537	3001	For moving parts black strips should be superimposed over the base colour.
26.	Belt feeder	Golden Yellow		Signal Red	537	3001	For moving parts black strips should be superimposed over the base colour.
27.	Drive frames, take-off units chutes, guards of conveyors	Grey	9002	White		9010	Legend in Black letters
28.	Stringer & stands, mouthpieces, tail end frames head end frames, other	Grey	9002	White		9010	Legend in Black letters

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EQUIPMENT

Sl. No.	Equipment	Ground Colour		Identification Tag/Band			Remarks
		Colour	RAL	Colour	ISC No.	Equivalent RAL No.	
	supporting structures of various other accessories and other equipments, not covered in this list.						
29.	Coal crushers	Grey	9002	White		9010	Legend in black letters
30.	Vibrating feeders	Grey	9002	White		9010	Legend in black letters
31.	a. Dust extraction system piping	Grey	9002	White		9010	Legend in black letters
	b. Ventilation system consisting of GI ducting	Grey	9002	White		9010	Legend in black letters
	c. Dust suppression system consisting of GI piping	Grey	9002	White		9010	Legend in black letters
32.	Steel gratings and grids over emergency hopper	Black					
33.	Conveyor system – idler frames	Grey	9002				
34.	Structural steel work fabricated at site	Grey	9002				

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EQUIPMENT

Sl. No.	Equipment	Ground Colour		Identification Tag/Band			Remarks
		Colour	RAL	Colour	ISC No.	Equivalent RAL No.	

FUEL OIL HANDLING SYSTEM

35.	HSD storage tank	Blue	5012	White		9010	Legend HSD to be displayed in Black letters
36.	Furnance oil storage tank	Blue	5012	White		9010	Legend FO to be displayed in Black letters
37.	Pumps, filters and valves	Blue	5012	White		9010	Legend in black letters

ASH HANDLING SYSTEM

38.	Bottom ash hopper	Blue	5012	White		9010	Legend in black letters
39.	Scraper	Blue	5012	White		9010	Legend in black letters
40.	Clinker Grinder	Blue	5012	White		9010	Legend in black letters
41.	Flush mixer	Blue	5012	White		9010	Legend in black letters

RAW WATER INTAKE EQUIPMENTS

42.	Intake gates						
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EQUIPMENT

Sl. No.	Equipment	Ground Colour		Identification Tag/Band			Remarks
		Colour	RAL	Colour	ISC No.	Equivalent RAL No.	
	- Above water parts	Grey	9002				
	- Sub merged parts	Grey	9002			9010	
	- Rotating Mechanism	Grey	9002				
	- Sub Merged beams	Grey	9002				
	- Travelling	Grey	9002				

INSTRUMENT AND SERVICE / PLANT AIR SYSTEM

43.	Trash Rack						
	- Above water stationary parts	Grey	9002	White		9010	Legend in black letters
	- Above/Under water/moving parts	Grey	9002	White		9010	
44.	Metal structures						
	- External	Grey	9002				
	- Internal	Grey	9002				

DEMINERALIZED WATER SYSTEMS

45.	Filter beds and Ion Exchange resin beds.	Grey	9002				To be Identified by suitable legends.
46.	Air blowers	Grey	9002	White		9010	

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EQUIPMENT

Sl. No.	Equipment	Ground Colour		Identification Tag/Band			Remarks
		Colour	RAL	Colour	ISC No.	Equivalent RAL No.	
							Legend in black letters
47.	Carbon dioxide exhausters.	Grey	9002	White		9010	Legend in black letters

INSTRUMENT AND SERVICE/PLANT AIR SYSTEM

48.	Compressors with inter and after coolers	Blue	5012	White		9010	Identifying legends to be used.
49.	Heater/Drivers	Grey	9002	White		9010	-
50.	Air receivers	Blue	5012	White		9010	Legend in black letters

MISCELLANEOUS EQUIPMENTS

51.	Cranes	Golden Yellow	1004	White		9010	Tower Cranes & Booms will have alternate sections for Signal Red/White for aviation requirement with diagonally painted sections in black.
	- Mono Rails & chain pulley systems	Golden Yellow	1004				
52.	Hooks	Signal Red	3001				
53.	Tanks	Grey	9002	white			Legend in Black letters

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EQUIPMENT

Sl. No.	Equipment	Ground Colour		Identification Tag/Band			Remarks
		Colour	RAL	Colour	ISC No.	Equivalent RAL No.	
54.	Doors industrial type	Blue	5012				
55.	Solid wastes processing equipment	Grey	9002				
56.	Hydraulic power unit	Golden Yellow	1004	Signal Red	537	3001	
57.	Fencing	Black					
58.	Lighting poles	Aluminium					
59.	Chimney						As per safety regulations Top two bands in Gulf Red & White 3000 mm each.

ELECTRICAL COMPONENTS

60.	MAIN GENERATOR						
	- Lub oil system	Grey	9002	White		9010	Legend in Black Letters
	- Seal Oil System						
	- Hydrogen system	Grey	9002	White		9010	Legend in Black Letters
	- Stator Water Sys.						
61.	DIESEL GENERATOR SET						

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EQUIPMENT

		<i>Ground Colour</i>		<i>Identification Tag/Band</i>			
<i>Sl. No.</i>	<i>Equipment</i>	<i>Colour</i>	<i>RAL</i>	<i>Colour</i>	<i>ISC No.</i>	<i>Equivalent RAL No.</i>	<i>Remarks</i>
	- Diesel Engine	Grey	9002	White		9010	
	- Generator	Grey	9002	White		9010	
62.	L.T. TRANSFORMERS						
	- Indoor	Blue	5012				Legend in Black Letters
	- Outdoor	Blue	5012				Legend in Black Letters
63.	33 KV class transformers	Blue	5012	Signal Red	537	3001	
64.	400 KV/33 KV tie transformers	Blue	5012	Signal Red	537	3001	
65.	GENERATOR BUST DUCT						
	- Inside of main plant building	Blue	5012	Signal Red	537	3001	
	- Outside of main plant building	Blue	5012	Signal Red	537	3001	
66.	Generator transformer	Blue	5012	Signal Red	537	3001	
67.	Battery charger	Grey	9002	White		9010	
68.	Mimic flow diagram						

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		<i>Ground Colour</i>		<i>Identification Tag/Band</i>			
<i>Sl. No.</i>	<i>Equipment</i>	<i>Colour</i>	<i>RAL</i>	<i>Colour</i>	<i>ISC No.</i>	<i>Equivalent RAL No.</i>	<i>Remarks</i>
	400 KV	Purpur Violett	4007	White		9010	
	220 KV	Signal Gleb	1003	White		9010	
	132KV	Tarkis Blau	5018	White		9010	
	33.0 KV	Oliv Grun	6003	White		9010	
	21.0 KV/15.75 KV	Beige-rot	3012				
	11.0 KV	Zink Gleb	1018	White		9010	
	6.6 KV	Enzian Blau	5010	White		9010	
	3.3 KV	Gras Grun	6010	White		9010	
	415 V	Lehm Braun	8003	White		9010	
	220V DC	Tief Orange	2011				
	Gen Fld.	Tiefsch wartz	9005				
69.	Unit Control board (Control Room)	Grey	9002				
70.	Control panel, PLC panel & UPS for	Grey	9002				

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<i>Sl. No.</i>	<i>Equipment</i>	<i>Colour</i>	<i>RAL</i>	<i>Colour</i>	<i>ISC No.</i>	<i>Equivalent RAL No.</i>	<i>Remarks</i>
	CHP/AHP						
71.	MOTORS						
	- Indoor	Blue	5012				Enamel paint to be used
	- Outdoor	Blue	5012				
72.	LT SWITCHGEAR (INDOOR)						
	- LT Switchgear Exterior	Grey & Blue	9002 5012				Front & Rear Panels in Grey (RAL 9002). End Panels sides in Blue (RAL 5012)
	- MCC	Grey & Blue	9002 5012				Front & Rear Panels in Grey (RAL 9002). End Panels sides in Blue (RAL 5012)
	- D.C. Distribution board	Grey & Blue	9002 5012				Front & Rear Panels in Grey (RAL 9002). End Panels sides in Blue (RAL 5012)
	- L.T. busduct outside of enclosures	Blue	5012				

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		Colour	RAL	Colour	ISC No.	Equivalent RAL No.	
73.	6.6 KV SWGR	Grey & Blue	9002 5012				Front & Rear Panels in Grey (RAL 9002). End Panels sides in Blue (RAL 5012)
	- 6.6 KV busduct inside of main plant bldg.	Blue	5012				
	- 6.6 KV busduct outside of main plant building	Blue	5012				
74	33 KV SWGR cubicle	Grey & Blue	9002 5012				Front & Rear Panels in Grey (RAL 9002). End Panels sides in Blue (RAL 5012)
	- CR Panels	Grey	9002				
	- Surge protection cubicle	Grey	9002				
75.	Control and console inserts	Grey	9002				
76.	Electronic system cabinets, computer system cabinets, BMS, ATRS, EHC system etc. (Control equipment room)	Blue & Grey	5012 & 9002				Front & Rear Panels in Grey (RAL 9002). End Panels sides in Blue (RAL 5012)
77.	All locally mounted C&I systems panel cabinets local (External)	Blue & Grey	5012 & 9002				Front & Rear Panels in Grey (RAL 9002). End Panels sides in Blue (RAL 5012)

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		Colour	RAL	Colour	ISC No.	Equivalent RAL No.	
78.	Intercom	Equipment					
	- Hand sets unit	Grey	9002				
	- Hand sets plant	Grey	9002				
79	- Metal containers/ cable junction boxes	Grey	9002	White		9010	-
80.	LIGHTING EQUIPMENT/PANELS						
	- Exterior	Grey	9002				
81.	Unit Heaters	Grey	9002	Signal Red	537	3001	Legend in Black letters.
82.	400 KW SWITCHYARD EQUIPMENTS						
	I. Control and relay panels (control equipment room and switchyard control room)	Blue & Grey	5012 & 9002				Legend in Black letters. Ends in Blue. Front & Rear in Grey.
	II. PLCC	Blue & Grey	5012 & 9002				Legend in Black letters. Ends in Blue. Front & Rear in Grey
83.	Switchyard CB,	Grey	9002				

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		Colour	RAL	Colour	ISC No.	Equivalent RAL No.	
	Isolators, CTs, PTs, Lighting arrestors, Wave Traps, CVTs, Marshalling boxes, JBs, Local Panels						
84.	Porcelain parts like insulators	Brown	As per IS				Possibility of Using Grey Shade be explored.
85.	Generator Relay panels (GRP's)	Grey & Blue	9002				
86.	All other Structures and equipment.	Grey	9002				
87.	INSTALLATION MATERIALS						
	- Resin Tubes	Grey	9002				Legend in black letters.
	- Steel Tubes						Legend in black letters.
88.	Gang ways and trays	Grey	9002				Legend in black letters.
89.	Misc. steel structures (trellies, Portals, brackets)	Grey & Blue	9002 & 5012				Primary Structural in members (Columns & Beams) in Blue. Secondary members in Grey.
90.	Storage boxes	Grey	9002				Legend in black letters.

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		Colour	RAL	Colour	ISC No.	Equivalent RAL No.	
91.	INSULATING OIL TREATMENT PLANT						
	- Tanks and the equipment	Grey	9002	White		9010	Legend in Black Letters
92.	IDENTIFICATIONS PLATES						
	Mechanical equipment's and piping						
	- Background	White	9010				
	- Border	Black	9011				
	- Lettering	Black	9011				

Note: 1) .For mechanical equipments ground colour indicated against each equipment shall be followed in case equipment is not insulated/cladded.

2). However if enclosure is provided for the mechanical equipments, then the indicated ground colour for mechanical equipment shall be followed.

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APPENDIX-B

PIPELINES

S. No.	Medium	Ground Colour		Identification Tag/ Band Colour			Legend	Remarks
		Colour	RAL	COLOUR	ISC No	RAL #		
1.	WATER							
a.	Untreated or Raw/service	Grey	9002	Sea Green	217		RW/SW	
b.	Treated/ Demineralised	Grey	9002	Sea Green	217		DMW	
c.	Condensate	Grey	9002	Sea Green	217		MC	
i.	LP bypass spray	Grey	9002	Sea Green	217		LPBA	
ii.	Condensate Makeup line to condenser from surge tank and from DM Supply header	Grey	9002	Sea Green	217		CCM	
d.	Boiler feed	Grey	9002	Sea Green	217		BFD	
i.	HP bypass attemperation	Grey	9002	Sea Green	217		HPBA	
ii.	Super heater attemperation	Grey	9002	Sea Green	217		SHA	
iii.	Reheater	Grey	9002	Sea	217		RHA	

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		<i>Ground Colour</i>		<i>Identification Tag/ Band Colour</i>				
<i>S. No.</i>	<i>Medium</i>	<i>Colour</i>	<i>RAL</i>	<i>COLOUR</i>	<i>ISC No</i>	<i>RAL #</i>	<i>Legend</i>	<i>Remarks</i>
	attemperation			Green				
iv.	Aux. PRDS attemperation	Grey	9002	Sea Green	217		APRD SA	
2.	STEAM							
a.	Main	Aluminium*		Signal Red	537	3001	MS	*Aluminium is to be used only in case Where the pipes are not already clad with aluminium sheets.
b.	Auxiliary	Aluminium*		Signal Red	537	3001	AS	
c.	Bled (Extraction)	Aluminium*		Signal Red	537	3001	1 EX 2 EX 6 EX	
d.	Hot reheat	Aluminium*		Signal Red	537	3001	HR	
e.	Cold reheat	Aluminium*		Signal Red	537	3001	CR	
f.	HP bypass	Aluminium*		Signal Red	537	3001	HPB	
g.	LP bypass	Aluminium*		Signal Red	537	3001	LPB	
h.	Exhaust/vent (open to atmosphere) and safety valve	Aluminium*		Light Brown	537	3001	V/SVE	Hazard mark may be given

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S. No.	Medium	Ground Colour		Identification Tag/ Band Colour			Legend	Remarks
		Colour	RAL	COLOUR	ISC No	RAL #		
3. AIR								
a.	Instrument	Grey	9002	Sky blue	101		IA	
b.	Service/Plant	Grey	9002	Sky blue	101		PA	
c.	Vacuum	Grey	9002	Sky blue	101		VC	
4. AIR STEAM MIXTURE								
a.	From turbine glands to gland steam condenser	Aluminium*		Sky Blue	101		ASM	*Aluminium is to be used only in cases where the pipes are not already clad with aluminium sheets.
b.	From condenser	Aluminium*		Sky Blue	101		ASM	*Aluminium is to be used only in cases where the pipes are not already clad with aluminium sheets.
c.	From heater shells to condenser	Aluminium*		Sky Blue	101		ASM	*Aluminium is to be used only in cases where the pipes are not already clad with aluminium sheets.
5. GAS								
a.	Natural gas	Grey	9002	Canary yellow	309		NG	*Hazard mark is given
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		<i>Ground Colour</i>		<i>Identification Tag/ Band Colour</i>				
<i>S. No.</i>	<i>Medium</i>	<i>Colour</i>	<i>RAL</i>	<i>COLOUR</i>	<i>ISC No</i>	<i>RAL #</i>	<i>Legend</i>	<i>Remarks</i>
b.	Other fuel gas	Grey	9002	Canary yellow	309			
c.	Hydrogen	Grey	9002	Canary yellow	309		H	
d.	Nitrogen	Grey	9002	Canary yellow	309		N	
e.	Chlorine	Grey	9002	Canary yellow	309		Cl	
f.	Carbon dioxide	Grey	9002	Canary yellow	309		CO2	
g.	Non condensable gas mixtures	Grey	9002	Canary yellow	309		NCG	
h.	Oxygen	Grey	9002	Canary Yellow	309		O	
6.	OILS							
a.	High speed diesel	Grey	9002	Light * brown	410		HSD	* Hazard Mark
b.	Furnance oil	Grey	9002	Light * brown	410		FO	* Hazard Mark
c.	Lubricating oil (including governing oil if lub oil is used for governing	Grey	9002	Light brown	410		LO	* Hazard Mark

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S. No.	Medium	Ground Colour		Identification Tag/ Band Colour			Legend	Remarks
		Colour	RAL	COLOUR	ISC No	RAL #		
	purposes)							
d.	Hydraulic power	Grey	9002	Light brown	410		HYD. O	
e.	Control fluid	Grey	9002	Light brown	410		CR.O	
f.	Transformer oil	Grey	9002	Light brown	410		TR.O	
7.	PULVERIZED FUEL	Grey	9002	Silver grey	628		PF	
8.	FIRE INSTALLATIONS	Fire Red	536 (ISC) 3001 (RAL)	White		9010	FIRE	Legend in Red Letters over White Background
9.	CHEMICAL FEED							
a.	HP dosing to boiler (Phosphate)	Grey	9002	Dark admiralty grey	632		HCF	Legend in Black Letters
b.	LP dosing to condensate (Hydrazine/ Ammonia)	Grey	9002	*Signal Red	537	3001	LCF	*Hazard mark is given
10.	ACID PIPING (in water treatment plant)	Grey	9002	*Signal Red	537	3001	+	+Name of the chemical (formula) to be used as legend for identifying the individual acids & alkalies

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S. No.	Medium	Ground Colour		Identification Tag/ Band Colour			Legend	Remarks
		Colour	RAL	COLOUR	ISC No	RAL #		
11.	ALKALI PIPING (in water treatment plant)	Grey	9002	*Signal Red	537	3001		*Hazard mark is given
12.	ASH PIPE	Grey	9002	French Blue	166		ASH	
13.	IMPULSE PIPING	Grey	9002	Same as process piping				

Note : Ground colour indicated against each piping shall be followed in case piping is not insulated /cladded.

NOTE: FOR PAGE 27, GO TO PAGE NO.3, CLAUSE NO.5.4 AND CLICK ON [Appendix-C](#) WHICH IS HYPERLINKED.

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