

**(Request for Quotation- Painting/Powder Coating Plant.**

**Rdevis Engineers Pvt.Ltd.**

(I) BASIC DATA

Customer Name :  
Type of Component :  
Plant Location :

1 TYPE OF PLANT REQUIRED

- 1.1 pre Treatment :  Manual Push Type Floor C/V  
 Conveyorised- Overhead Type  
 Dunk System with Transporter / Hoist
- 1.2 Electro Deposition :  Conveyorised- Overhead Type  
 Dunk System with Transporter / Hoist
- 1.3 Top Coat Line :  Manual Push Type Floor C/V  
 Over head conveyor  
 Floor Conveyor
- 1.4 For Conveyorised Plant  
Type of Conveyor preferred :  Powered Conveyor  
 Power & Free Conveyor
- 1.5 Loading of components :  Manual  
 Lifting Table / Platform
- 1.6 Unloading of Components :  Manual  
 Lifting Table / Platform
- 1.7 Effluent Treatment Plant Requirement :   
If yes, Quantity & details of Various effluent to be treated & frequency of discard to be indicated.
- 1.8 Air Pollution controll :   
If yes, Details of exhaust air to be treated is to be indicated.
- 1.9 Fire fighting System :  Water sprinkler type  
(for spray booth & paint m/x room)  Co2 Fire fighting system
- 1.10 Shop Fire Fighting (Hydrant) System :  Yes / No
- 1.11 Shop Ventilation / Spot Coolir :  Yes / No.

**Item: Shown in Red above are essential for us to prepare offers.**

Rdevis Engineers Pvt. Ltd.  
Plant Location

(II) **BASIC DESIGN DATA**

1 AMBIENT CONDITION

1.1 Summer

Temperature

Humidity

1.2

2 AVAILABLE WATER QUALITY

Supply Pressure

SUGGESTED  
: kg/cm<sup>2</sup>

AVAILABLE

2-A

RAW WATER (INDUSTRIAL WATER) (Water Quality report of your area/borewell is essential for DM Plant calculations).

2a1) Physical Properties

2a1.1) Appearance

:

2a1.2) Colour

:

2a1.3) Turbidity

:

2a.1.4) Odour

:

2a.1.5) PH Value

:

2a.1.6) TDS (Total Dissolved Solids)

:

2a2. CHEMICAL PROPERTIES

2a2.1) Total Hardness (As CaCO<sub>3</sub>)

:

2a2.2) TSS

:

2a2.3) Methylene Orange Alkalinity

:

2a2.4) Phenolphthalein Alkalinity

:

2a2.5) Sulphate Content as SO<sub>4</sub>

:

2a2.6) Chloride Content

:

2a2.7) Nitrate Content as NO<sub>3</sub>

:

2a2.8) Calcium as Ca

:

2a2.9) Magnesium as Mg

:

2a2.10) Sodium as Na

:

2a2.11) Dissolved Iron as Fe.

:

2a2.12) Chromium Content

:

2a2.13) Silica Content

:

2a2.14) Zinc Content

:

2a2.15) Phosphate as PO<sub>4</sub>

:

2a2.16) Lead as Pb

:

2a2.17) Copper as Cu

:

2a2.18) Fluoride as F

:

2a2.19) Nickel as Ni

:

2a2.20) Arsenic as mg/L

:

2a2.21) Cyanide as CN

:

2a2.22) Mercury as Hg

:

2a2.23) Residual Chlorine (Cl)

:

2a2.24) Conductivity

:

2a2.25) Oil & Grease

:

2a2.26) Chemical Oxygen Demand

:

2a2.27) Biological Oxygen Demand

:

**(2-B) D.I. WATER SPECIFICATION (For PT-CED Plant)**

2b.1	PH Value	:	65-75	
2b.2	Electrical Conductivity	:	< 10 Us/Cm	
2b.3	Total Hardness	:	< 1 ppm	
2b.4	Chlorides as Cl	:	< 0.5 ppm	
2b.5	Silica as SiO2	:	< 1 ppm	
2b.6	Amines	:	Nil	
2b.7	Carbonates - Bicarbonates	:	Nil	
2b.8	Drip Water cond. After PT	:	<20 us/cm	

**3 BASIC OF DESIGN**

	Total	Model-1	Model-2	Model-3
3.1	Production Volume (No off Vehicles)	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Annum			
3.2	No of Working Days	:	<input type="text"/> 300	Annum
3.3	No of Shifts	:	<input type="text"/> One/2 /3	Day
3.4	Effective Working Time	:	<input type="text"/> 400	Min/ Shift
3.5	Operation Efficiency of Plant	:	<input type="text"/>	%
3.6	Building Size available for plant (Clear Dimension)	:	Width x Length x Height	
			<input type="text"/>	<input type="text"/>

(Please submit soft copy of Building & Truss Drg).

**4 COMPONENT DETAILS**

4.1 Components Dwgs. Over all dimensions., WT., Quantity/ & Surface area to be painted. Please indicate surface to be painted in the dwg.

4.2 Size of Component : Width x Length x Height x Max wt x Max S. Area

Max Component Data :   |  |  |  |

Please refer enclosed Anex-B4.2 : Component Data Sheet

Design Box Dimension :   |  |  |  |

Component loading pitch :  MM

4.3 Weight of Jig (if any used by Client in present Plant) :  kg

4.4 Material of Component : MS ABS Aluminium Assembled Cast Iron

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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**5 (a) PAINT SPECIFICATIONS.**

			If Any
	Primer	Top Coat	Clear Coat
	<input type="text"/>	<input type="text"/>	<input type="text"/>

5.1 Type of Paint (If Paint Plant)

5.2

5.3

5.4

5.5

**(b) Type of Powder** (if Powder Line)

5.6	- Polyester	<input type="text"/>	- Colours	<input type="text"/>
	- Epoxy	<input type="text"/>	- % Prod	% <input type="text"/> % <input type="text"/> % <input type="text"/>
	- Hybrid	<input type="text"/>	- kgs/consumed	(per day)
			- Colour Change: Daily/Weekly/Monthly	
			- Frequency:	

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Rdevis Engineers Pvt.Ltd.

Plant Location:

Project : 0  
 Component : 0

H **PAINT CIRCULATION SYSTEM**

- 1 TYPE OF PAINT CIRCULATION SYSTEM
- |                          |  |
|--------------------------|--|
| <input type="checkbox"/> | Direct Pail Mount System                           |
| <input type="checkbox"/> | Pressure feed container                            |
| <input type="checkbox"/> | Close Loop Type                                    |
| <input type="checkbox"/> | Third, Return Line (Applicable for Metallic Paint) |

2 PAINT KITCHN EQUIPMENT

**PAINT MIX ROOM**

- 2.1 Open Type
- 2.2 Close type with Gi Enclouser
- 2.3 Close type Civil Building (Client's Scope)

**PAINT / SOLVENT**

**NO.OF COLOURS**

- 2.4 Prime Coat :  NOS
- 2.5 Base Coat :  NOS
- 2.6 Clear Coat :  NOS
- 2.7 Solid Colours :  NOS
- 2.8 Slovent :  NOS

**NOS. OF OUTLETS (NOS. OF OPERATOR POINT)**

- 2.9 Dry Air :  NOS
- 2.10 Normal Air :  NOS

**OTHER ACCESSORIES**

- 2.11 Paint Mixing Tank :  NOS.
- 2.12 paint Supply Tank :  NOS.
- 2.13 Air Agitator :  NOS.
- 2.14 Paint Transfer Pump :  NOS.
- 2.15 Paint Feed Pump :  NOS.
- 2.16 Paint piping Material :  MA/ SS 304

3 **MANUAL PAINT APPLICATORS**

- 3.1 Conventional Spray Gun :  NOS.
- 3.2 High Volume Low Pressure (HVLV) :  NOS.
- 3.3 Electrostatic Gun :  NOS.

4 **SEALENT APPLICATORS**

- 4.1 Manual Applicators  NOS.