



## **WEST-COAST ENGINEERING WORKS (P) LIMITED**

G-10, UDYOG MANDIR NO. 2, MOGUL LANE, MAHIM, MUMBAI - 400 016. INDIA.

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### **COMPANY PROFILE**

**WEST-COAST Engineering Works Pvt. Ltd** was incorporated in 1974 is a leading manufacturer and exporter of Aluminium Gratings, Handrails, Ladders, Access covers and Walkway systems for Rooftop Solar Power Plants, Offshore Platforms, Sewage Treatment Plants, Water treatment plants etc.

**40 years of rich understanding, experience and knowledge makes us the industry pioneers** . Our research and development cell is constantly developing innovating solutions and learning new technologies. We have developed varieties of gratings depending upon the requirements at site.

The experience and expertise of West Coast Engineering Works Pvt. Ltd. reflected in the form of awards, certificates and repeat orders from some of our reputed clients, both in domestic and international market.

Our forte is INNOVATION, ENGINEERING & DESIGN , we assist our clients to achieve the best techno-economic product as we are technical design consultants cum vendor. Our brand names **ANTISKID / SUPRALOCK / ANCHOR / ALUGRATE / ALURAIL / ALULAD** have become generic brands.

All in all, we offer cost effective and value added products and services to our customers.



( AN ISO 9001 - 2008 CERTIFIED COMPANY)

MFERS & EXPORTERS OF ALUMINIUM GRATINGS



## WEST-COAST NAME & ADDRESS

<u>NAME &amp; ADDRESS</u>	<u>ACTIVITY</u>
<p>West Coast Engineering Works Pvt. Ltd. G-10, Udyog Mandir No.2, Mogul Lane, Mahim, Mumbai 400 016 (Maharashtra) India.</p> <p>Phone: (91-22) 6666 3045/46 Fax: (91-22) 24466073 Email: info@westcoastengworks.com</p>	<p>Corporate Head Quarters for Group Companies. Manufacturing and supplying to international market as well as domestic market.</p> <p>PRODUCTS: Aluminium Gratings of all varieties and applications. Handrails and ladders with cage/ and gate.</p>





## MANUFACTURING CAPACITIES AND CAPABILITIES

### PLANT INFRA STRUCTURES:

- 1 LOCATION: Plot No.A-399 ,Road No.28, Lane4,  
Wagle Industrial Estate  
Thane 400 604  
35 KM North East of Bombay.
  
- 2 AREA OF PLANT: 8000 SQ.FT.
  
- 3 MAN POWER:

Engineers & Technical	05
Skilled Labourers	10
Unskilled Labourers	45
  
- 4 NO. OF SHIFTS: Regular Two & on emergency Three
  
- 5 INSTALLED CAPACITY 600 MT/YEAR  
ALUMINIUM PRODUCTS Fabrication of Aluminium Gratings,  
Ladders/Handrails.





## QUALITY STANDARDS OBSERVED

### A. For Materials of Construction of gratings:

1. Aluminium Alloy 6351 H30/AA 6061H20 T6 (Indian)
2. Aluminium Alloy Extruded material: AA 6063 T6 (flats & angles)
3. Aluminium Alloy material: AA 6351 T6 (chequered Plates)
4. Aluminium Access Covers: BS 9124:2008
5. Stainless Steel AISI-316 OR ASTM 240 conforms to SS 316

### B. For Structural Design of Gratings:

1. BS-4592 (British)
2. NAAMM (American)
3. BS EN 5550 – 1: 2000 (British)

### C. For Tolerance / size of Gratings:

1. BS 4592 of U.K.
2. NAAMM of U.S.A.

### D. For Erection Clearance of Gratings:

Our standard erection clearance drawing No.20-C is enclosed herewith.

### E. For materials of construction Cable Trays:

BS EN 61537:2007

### F. For Anodizing:

IS 1868: 1996 or AA-25  
BSEN ISO 7599:2010





## QUALITY CONTROL PROCESS AND MANAGERMENTS

### 1. INSPECTION OF RAW MATERIAL:

- a. All raw materials are tested from Company's Panel Laboratories which are approved by Government for its conformity to relevant specifications of material as specified in drawings and order.
- b. Inspection of material for its physical and chemical properties before it is used for Production.

### 2. PROCESS INSPECTION:

- a. Stage wise inspection of pre-assembled components for its dimensional and Straightness accuracy.
- b. Alignment of punched members.
- c. Checking of punched sections and spacings.
- d. Dimensional inspection of semi assembled products.

### 3. PRE-FINISH TREATMENT INSPECTION:

- a. Checking of welding, spatters, removal of flux etc.
- b. Checking of weld pin-holes.
- c. Checking of straightness.
- d. Checking of overall dimension.

### 4. FINAL INSPECTION AFTER SURFACE TREATMENT:

- a. Inspection, marking, stenciling as per drawings.
- b. Packing inspection.





## **WEST COAST CORE PRODUCT RANGE:**

### **1. ALUMINIUM ALLOY GRATINGS:**

We have developed in-house design and methodology for manufacturing **ALUMINIUM ALLOY GRATINGS**. Aluminium Alloy Gratings become advantageous because they are light weight Gratings for lighter loads for normal working on an operating platforms and to be used for very critical environment such as acidic fumes and highly saline atmosphere. This product has become our Unique Selling Point.

### **2. STAINLESS STEEL GRATINGS:**

We are manufacturers of stainless steel **REACTOR GRATINGS** for **SUPPORTING CATALYST FOR REACTOR VESSELS** for petroleum refineries. .

### **3. CUPRO NICKEL GRATINGS:**

We offer a wide range of **cupro-nickel gratings** made from superior quality cupro-nickel alloy. The cupro nickel grating requires high precision as it has to fit into **SEA WATER INTAKE GRATE FRAMES**. These gratings have excellent corrosion resistant which is normally used for **DESALINATION PLANTS**.

### **4. MOTORAILS:**

We are manufacturers of **MOTORAIL™** which is Aluminum Alloy Railing for Motorways and Flyovers. Motorways is very intricate fabrication as this is a special type of grating which has to carry extremely heavy super imposed load of very heavy vehicles moving at a high speed and hence great care has to be taken during fabrication as it has to sustain extreme load under high velocity of vehicles.

### **5. BRACKETS – STANDARD AND PRECAST BRACKETS:**

These brackets are required for fixing large Size heavy duty marbles and gratings of the building as fascia.

### **6. HANDRAIL - 'Alurail' Aluminium Handrail**

West Coast has designed and is manufacturing handrails of special aluminium extrusions and components. These can be quickly bolted and locked together using Stainless Steel fasteners, which allows the modular hand rail system to achieve desired layouts. As per site requirement no welding or special tools are required for its installation.





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**7. X-ELITE: Aluminium Extra light Grating for Solar Power projects.**

Our new product X-ELITE is light weight Aluminium Walkway Grating designed for solar roof walkway, to get cost effective solution for Roof top Solar Power projects.

**8. LADDERS: ALULAD.**

Our Aluminium Ladders are manufactured from Marine grade alloy AA 6082 T6 or structural grade AA 6063 T6 duly Anodized or Powder coated.

Ladders are available With Cage or Without Cage with intermediate Aluminium Grating Platform if required suitable for any height for STP projects.

**9. ALUMINIUM GRATINGS: ALUGRATE (For walkways/platforms)**

**ALUMINIUM ALLOY GRATING WALKWAY** for Rooftop manufactured out of I-BAR with bulb duly serrated along with side stringer channels with mid support and end plates as per our standard drawing.

Aluminium alloy Walkway Gratings are suitable for installing on Solar Roof top or Dome top.

Aluminium alloy Walkway Gratings are duly anodized for maximum 10 microns as per IS1868:1996

**10. ALUMINIUM ACCESS COVERS :**

Our Aluminium alloy access cover platforms fabricated out of composite section made of aluminium alloy conforming to AA 6063 T6 OR AA 6082 T6 as case may be

Aluminium alloy ACCESS COVERS are removable type with Spindle Cover opening with option of lifting/locking arrangement and supported on Aluminium alloy Kerb Angles in entire 4-side periphery.

All Aluminium plank type platforms are supported on suitable size of Aluminium Alloy I-Beams and Brackets manufactured out of AA 6063 T6 OR AA 6082 T6 which will be supported (fixed) on side RCC Pit walls.

We also design and fabricate Aluminium Access Covers for Gas proof / (Methane) to prevent escape from Valve Chambers, by providing hermetically seal all around.

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