

### Hot Rolled Products Range

|                      | Thick (mm) | Width (mm) | Length (mm) |
|----------------------|------------|------------|-------------|
| HR Coils             | 02-25      | 900 -1270  | NA          |
| Cut To Length Sheets | 02-25      | 900 -1270  | 2500-12000  |
| Plates               | 18-70      | 900-1270   | 2500-12000  |
| P&O Sheets           | 02-05      | 900 -1270  | 2500-7500   |

### CE Marking



The company has been assessed and certified as meeting the requirement of Directive 89/106/EEC, for Hot Rolled Product of Structural Steel Characterised By Standard EN10025:2004.

### Supply Conditions

- Plates generally supplied in self normalised condition, as well as FURNACE normalized condition.
- Ultrasonic testing possible.
- Edges , lengths , widths range can be specified for Individual orders
- Minimum Order Size – Truck Load  
Plates / CTL can be supplied Ultrasonic Tested as per ASTM A 435 Level A/B and ASTM A 578 Level B.

### Standards & Application

| Grade            | Application                                 |
|------------------|---|
| IS 11513 Gr D/DD | Cold Rolling Galvanising (CRCA)             |
| IS 11513 Gr EDD  |   |
|                  |   |
| IS 1079 Gr DD    | Drawing and pressing Quality Sheets & Coils |
| IS 1079 Gr EDD   |   |

|                               |  |
|-------------------------------|--|
| JIS G 3131 SPHC/SPHD/SPHE     |  |
| DIN 1614 STW 22/24 ASTM A 621 |  |
| BS 1449 HR3/HR2               |  |
|                               |  |
| IS 10748 Gr 1/Gr 2/Gr 3       | Welded tubes and pipes   |
| IS 10748                      |  |
| JIS G 3132 SPHT1/SPHT2/SPHT3  |  |
| EN 10025 S 275 JR             |  |
|                               |  |
| IS 2062 Gr A,B,C , IS 5986    | Structural Quality Plates and Sheets for general purpose ASTM A36, SAE 1021 engineering. |
| DIN 17100 , St.44/R, St37.2   |  |
|                               |  |
| G-3125 SPAH (JIS)             |  |
| IS 6240                       | LPG  |
| DIS G 3116 SG 295             |  |

## Packing & Marking

### HR COILS

- Normally three straps through eye and two circumferential straps are used for packing.



### HR SHEETS

- Cut to length sheets are strapped with three longitudinal and two horizontal straps with edge protectors and wooden skids on agreement .
- G.I. Packing can be provided if desired by customer.

**COLD ROLLED FULL HARD PRODUCTS**

|             | Thickness (mm) | Width (mm) | Length (mm) |
|-------------|----------------|------------|-------------|
| CRFH Coils  | 0.21-2.00      | 900 -1250  | NA          |
| CRFH Sheets | 0.25-2.00      | 900 -1250  | 1750-4265   |

**SPECIFICATIONS**

| NATIONAL   | INTERNAIONAL                      |
|------------|-----------------------------------|
| IS – 513 D | JIS 3141 SPCC 1B<br>SAE 1006/1008 |

**SUPPLY CONDITION**

- Surface – Bright finish , Lightly oiled (rolling emulsion oil)

**GALVANISED PRODUCTS RANGE**
**GALVANISED HARD CORRUGATED SHEETS COATING RANGE : 100 - 275 GSM**

| THICKNESS RANGE (mm) | BEFORE CORRUGATION (mm) | WIDTH AFTER CORRUGATION (mm) | LENGTH (mm) | No. OF CORRUGATION |
|----------------------|-------------------------|------------------------------|-------------|--------------------|
| 0.23-0.30            | 900                     | 740, 760, 780, 800, 810      | 1785-4265   | 10/11              |
| 0.31-0.45            | 900                     | 740, 760, 780, 800, 810      | 1785-4265   | 10/11              |
| 0.50-0.60            | 900                     | 740, 760, 800, 810           | 1785-4265   | 10/11              |
| 0.23-0.66            | 1000                    | 860, 880, 900                | 1785-4265   | 12/13              |
| 0.40-0.50            | 1000                    | 860, 880, 900                | 1785-4265   | 12/13              |
| 0.55-0.66            | 1000                    | 860, 880, 900                | 1785-4265   | 12/13              |

**Galvanised Soft Coil Size / Weight Range**

| <b>WIDTH 770MM -1000MM</b> |            |                    |             |
|----------------------------|------------|--------------------|-------------|
|                            | 120/180gsm | 275gsm             | Small coils |
| GP SIZE                    | 85%        | 85%                | 15%/100%    |
| 0.21                       | 9-14 mt    |                    |             |
| 0.25                       | 9-14 mt    |                    | 5-9 mt      |
| 0.3                        | 9-14 mt    | <b>Not Offered</b> | 5-9 mt      |
| 0.35                       | 9-14 mt    | 9-14 mt            | 5-9 mt      |
| 0.4                        | 9-14 mt    | 9-14 mt            | 5-9 mt      |
| 0.45                       | 9-14 mt    | 9-14 mt            | 5-9 mt      |
| 0.5                        | 9-14 mt    | 9-14 mt            | 5-9 mt      |
| 0.55                       | 9-14 mt    | 9-14 mt            | 5-9 mt      |
| 0.6                        | 9-14 mt    | 9-14 mt            | 5-9 mt      |

|           |         |         |        |
|-----------|---------|---------|--------|
| 0.65      | 9-14 mt | 9-14 mt | 5-9 mt |
| 0.70-0.90 | 9-14 mt | 9-14 mt | 5-9 mt |
| 1.00-1.20 | 9-14 mt | 9-14 mt | 5-9 mt |
| 1.21-1.50 | 9-14 mt | 9-14 mt | 5-9 mt |

| <b>WIDTH 1001MM-1080MM</b> |            |                    |             |
|----------------------------|------------|--------------------|-------------|
|                            | 120/180gsm | 275gsm             | Small coils |
| GP SIZE                    | 85%        | 85%                | 15%/100%    |
| 0.21                       |            |                    |             |
| 0.25                       | 10-15 mt   |                    | 5-10 mt     |
| 0.3                        | 10-15 mt   | <b>Not Offered</b> | 5-10 mt     |
| 0.35                       | 10-15 mt   | 10-15 mt           | 5-10 mt     |
| 0.4                        | 10-15 mt   | 10-15 mt           | 5-10 mt     |
| 0.45                       | 10-15 mt   | 10-15 mt           | 5-10 mt     |
| 0.5                        | 10-15 mt   | 10-15 mt           | 5-10 mt     |
| 0.55                       | 10-15 mt   | 10-15 mt           | 5-10 mt     |
| 0.6                        | 10-15 mt   | 10-15 mt           | 5-10 mt     |
| 0.65                       | 10-15 mt   | 10-15 mt           | 5-10 mt     |
| 0.70-0.90                  | 10-15 mt   | 10-15 mt           | 5-10 mt     |
| 1.00-1.20                  | 10-15 mt   | 10-15 mt           | 5-10 mt     |
| 1.21-1.50                  | 10-15 mt   | 10-15 mt           | 5-10 mt     |

| <b>WIDTH 1081MM-1150MM</b> |            |                    |             |
|----------------------------|------------|--------------------|-------------|
|                            | 120/180gsm | 275gsm             | Small coils |
| GP SIZE (mm)               | 85%        | 85%                | 15%/100%    |
| 0.21                       |            |                    |             |
| 0.25                       |            |                    |             |
| 0.3                        | 10-15 mt   | <b>Not Offered</b> | 5-10 mt     |
| 0.35                       | 10-15 mt   | 10-15 mt           | 5-10 mt     |
| 0.4                        | 10-15 mt   | 10-15 mt           | 5-10 mt     |
| 0.45                       | 14-16 mt   | 14-16 mt           | 7-12 mt     |

|           |          |          |         |
|-----------|----------|----------|---------|
| 0.5       | 14-16 mt | 14-16 mt | 7-12 mt |
| 0.55      | 14-16 mt | 14-16 mt | 7-12 mt |
| 0.6       | 14-16 mt | 14-16 mt | 7-12 mt |
| 0.65      | 14-16 mt | 14-16 mt | 7-12 mt |
| 0.70-0.90 | 14-16 mt | 14-16 mt | 7-12 mt |
| 1.00-1.20 | 14-16 mt | 14-16 mt | 7-12 mt |
| 1.21-1.50 | 14-16 mt | 14-16 mt | 7-12 mt |

| <b>WIDTH 1151MM -1250MM</b> |            |                    |             |
|-----------------------------|------------|--------------------|-------------|
|                             | 120/180gsm | 275gsm             | Small coils |
| GP SIZE (mm)                | 85%        | 85%                | 15%/100%    |
| 0.21                        |            |                    |             |
| 0.25                        |            |                    |             |
| 0.3                         | 10-16 mt   | <b>Not Offered</b> | 5-10 mt     |
| 0.35                        | 10-16 mt   |                    | 5-10 mt     |
| 0.4                         | 10-16 mt   | 10-16 mt           | 5-10 mt     |
| 0.45                        | 10-16 mt   | 10-16 mt           | 5-10 mt     |
| 0.5                         | 10-16 mt   | 10-16 mt           | 5-10 mt     |
| 0.55                        | 10-16 mt   | 10-16 mt           | 5-10 mt     |
| 0.6                         | 14-17 mt   | 14-17 mt           | 7-14 mt     |
| 0.65                        | 14-17 mt   | 14-17 mt           | 7-14 mt     |
| 0.70-0.90                   | 14-17 mt   | 14-17 mt           | 7-14 mt     |
| 1.00-1.20                   | 14-18 mt   | 14-18 mt           | 7-14 mt     |
| 1.21-1.50                   | 14-18 mt   | 14-18 mt           | 7-14 mt     |

**GP COIL WEIGHT CHART (Lbs)**

| <b>WIDTH 30.31"-39.37"</b> |             |        |             |
|----------------------------|-------------|--------|-------------|
|                            | 120/180gsm  | 275gsm | Small coils |
| GP Size(Inch)              | 85%         | 85%    | 15%/100%    |
| 0.0083                     | 19900-30800 |        |             |

|               |             |                    |             |
|---------------|-------------|--------------------|-------------|
| 0.010         | 19900-30800 |                    | 11100-19800 |
| 0.012         | 19900-30800 | <b>Not Offered</b> | 11100-19800 |
| 0.014         | 19900-30800 | 19900-30800        | 11100-19800 |
| 0.016         | 19900-30800 | 19900-30800        | 11100-19800 |
| 0.018         | 19900-30800 | 19900-30800        | 11100-19800 |
| 0.020         | 19900-30800 | 19900-30800        | 11100-19800 |
| 0.022         | 19900-30800 | 19900-30800        | 11100-19800 |
| 0.024         | 19900-30800 | 19900-30800        | 11100-19800 |
| 0.026         | 19900-30800 | 19900-30800        | 11100-19800 |
| 0.028-0.035   | 19900-30800 | 19900-30800        | 11100-19800 |
| 0.039-0.047   | 19900-30800 | 19900-30800        | 11100-19800 |
| 0.048 - 0.063 | 19900-30800 | 19900-30800        | 11100-19800 |

| <b>WIDTH 39.41"-42.52"</b> |             |                    |             |
|----------------------------|-------------|--------------------|-------------|
|                            | 120/180gsm  | 275gsm             | Small coils |
| GP Size(Inch)              | 85%         | 85%                | 15%/100%    |
| 0.0083                     |             |                    |             |
| 0.010                      | 22100-33000 |                    | 11100-22000 |
| 0.012                      | 22100-33000 | <b>Not Offered</b> | 11100-22000 |
| 0.014                      | 22100-33000 | 22100-33000        | 11100-22000 |
| 0.016                      | 22100-33000 | 22100-33000        | 11100-22000 |
| 0.018                      | 22100-33000 | 22100-33000        | 11100-22000 |
| 0.020                      | 22100-33000 | 22100-33000        | 11100-22000 |
| 0.022                      | 22100-33000 | 22100-33000        | 11100-22000 |
| 0.024                      | 22100-33000 | 22100-33000        | 11100-22000 |
| 0.026                      | 22100-33000 | 22100-33000        | 11100-22000 |
| 0.028-0.035                | 22100-33000 | 22100-33000        | 11100-22000 |
| 0.039-0.047                | 22100-33000 | 22100-33000        | 11100-22000 |
| 0.048 - 0.063              | 22100-33000 | 22100-33000        | 11100-22000 |

| <b>WIDTH 42.56"-45.28"</b> |             |                    |             |
|----------------------------|-------------|--------------------|-------------|
|                            | 120/180gsm  | 275gsm             | Small coils |
| GP Size(Inch)              | 85%         | 85%                | 15%/100%    |
| 0.0083                     |             |                    |             |
| 0.010                      |             |                    |             |
| 0.012                      | 22100-33000 | <b>Not Offered</b> | 11100-22000 |
| 0.014                      | 22100-33000 | 22100-33000        | 11100-22000 |
| 0.016                      | 22100-33000 | 22100-33000        | 11100-22000 |
| 0.018                      | 30860-35275 | 30860-35275        | 15500-26400 |
| 0.020                      | 30860-35275 | 30860-35275        | 15500-26400 |
| 0.022                      | 30860-35275 | 30860-35275        | 15500-26400 |
| 0.024                      | 30860-35275 | 30860-35275        | 15500-26400 |
| 0.026                      | 30860-35275 | 30860-35275        | 15500-26400 |
| 0.028-0.035                | 30860-35275 | 30860-35275        | 15500-26400 |
| 0.039-0.047                | 30860-35275 | 30860-35275        | 15500-26400 |
| 0.048 - 0.063              | 30860-35275 | 30860-35275        | 15500-26400 |

| <b>WIDTH 45.31"-49.21"</b> |             |                    |             |
|----------------------------|-------------|--------------------|-------------|
|                            | 120/180gsm  | 275gsm             | Small coils |
| GP Size(Inch)              | 85%         | 85%                | 15%/100%    |
| 0.0083                     |             |                    |             |
| 0.010                      |             |                    |             |
| 0.012                      | 22100-35200 | <b>Not Offered</b> | 11100-22000 |
| 0.014                      | 22100-35200 |                    | 11100-22000 |
| 0.016                      | 22100-35200 | 22100-35200        | 11100-22000 |
| 0.018                      | 22100-35200 | 22100-35200        | 11100-22000 |
| 0.020                      | 22100-35200 | 22100-35200        | 11100-22000 |
| 0.022                      | 22100-35200 | 22100-35200        | 11100-22000 |
| 0.024                      | 30860-37480 | 30860-37480        | 15430-30860 |
| 0.026                      | 30860-37480 | 30860-37480        | 15430-30860 |
| 0.028-0.035                | 30860-37480 | 30860-37480        | 15430-30860 |
| 0.039-0.047                | 30860-39680 | 30860-39680        | 15430-30860 |



|               |             |             |             |
|---------------|-------------|-------------|-------------|
| 0.048 - 0.063 | 30860-39680 | 30860-39680 | 15430-30860 |
|---------------|-------------|-------------|-------------|

**Notes:**

1. In sizes lesser than 0.30mm , max quantity in any one size shall be 0.25mm-10%, 0.27mm - 10%
2. Any single width quantity shall be 100MT min , or 15% of overall order
3. Single width to be defined as +/- 10mm of any width- i.e 1240/1250 shall be one width, whereas 1220 & 1250 shall be 2
4. Minimum spangle & regular spangle not to be clubbed in any order
5. For widths lesser /more than above range, pl refer /confirm with plant before offering

**National & International Specification**

| NATIONAL | INTERNAIONAL  |
|----------|---|
| IS – 277 | JIS 3302-SGCC/SGCH/SGC340/400/440/570<br>ASTM A653 CS TYPE S/B/FS/FAS<br>ASTM A653 GR.33/37/40/50/80<br>EN 10142/EN10327-DX51 D,DX52 D,EN10147/EN10326-SS220GD,<br>SS-250GD,SS-320GD, ES –D1 & D5<br>DIN 17162,<br>ST 01 Z, ST 02 Z |

**Supply Condition**

- Surface – Bright finish , Oiled, Lightly Oiled, Chem. Treated, Chromated
- Spangle – Regular / Minimised(nonskin passed)
- Non- fluting for Dia 5” & above(forthickness upto0.60mm/0.0236inch)
- Stretcher/Tension leveled
- Trimmed edges in CR Stage

## Packing & Marking

- Standard Export Packing- HDPE & VCI paper packing over which GI sheet cladding then 4 straps equidistant through the eye of each coil and 3 straps along the circumference with edge protection.
- The required data is marked on the coil in two positions.

