





## PRODUCT SPECIFICATION <sup>2023</sup> Brochure





















**BUILDING TRUST** FOR GENERATIONS





# **Building Trust & Credibility**

At Hulas Iron Industries Ltd., we are shaping the future of Nepal's construction industry with our premium quality products and unwavering commitment to excellence. As a leading steel and mining company, we specialize in providing a wide range of construction tools, including Black Pipes, Stainless Steel Pipes, Torkari Rebars, CTL Sheets, Nails, Binding Wire, GI Wires, Barbed Wires, Chainlink, Gabion Box, and many more essentials for your construction needs.

Hulas Iron Industries has earned a reputation for trustworthiness and reliability. Customers choose us because they know they can count on the quality of our products and services.

# Join Us in Building Nepal's Future

We take pride in being a part of Nepal's growth story, supplying top-notch construction tools that lay the foundation for a better tomorrow. Our passion for quality and our dedication to innovation drive us forward, inspiring us to continually improve and enhance our offerings.



## **Commitment to Excellence**

At Hulas Iron Industries, excellence is not just a goal; it's our standard. People choose us because they recognize our unwavering commitment to delivering exceptional products and services consistently.

### Choosing Hulas Iron Industries means choosing



Quality



Relaibility



Durability

& a partner dedicated to building a better future. Join the countless satisfied customers who have made us their preferred choice in the construction industry.

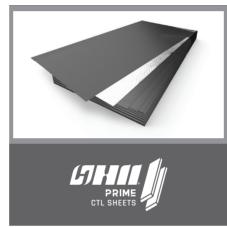
## **Our Products**

























HII Baliyo Prime Pipes are a premier offering from the Hulas Iron Industries, specializing in the production of high-quality black pipes. These pipes are specifically designed to cater to the requirements of engineering & many other industries. One of the key strengths of HII Baliyo Prime Pipes lies in their versatility. This makes them a reliable choice for those seeking superior performance and longevity in their projects.

HII Baliyo Prime Pipes are known for their trustworthiness and enduring strength, making them an ideal solution for projects that require exceptional quality & reliability. Whether it's a complex mechanical system, a robust structural project or a general engineering application, including pipelines for water, gas, air, steam, & air, these pipes can deliver the performance needed to meet the demands of diverse industries.

#### **PRODUCT RANGE**



Circular Hollow Section - 1/2" to 10"



Rectangular Hollow Section - 25 x 38mm to 48 x 96mm



Square Hollow Section - 19 x 19mm to 250 x 250mm

**THICKNESS RANGE: 0.90MM TO 6.4MM** 









Construction

Fire Fighting

**Gas Pipelines** 

Oil Pipelines

## Steel Tubes for Mechanical & General Engineering Purposes

Conforming to IS: 3601-2006

Outside	Thickness	Mass	Outside	Thickness	Mass	Outside	Thickness	Mass Kg/m
Diameter mm	mm	Kg/m	Diameter mm	mm	Kg/m	Diameter mm	mm	Kg/m
	1.8	0.866		2.3	3.29		6.3	16.8
	2	0.952		2.6	3.7		0,3	10.0
21.3	2.6	1.20		2.9	4.11		8	21.0
	3.2	1.43		3.2	4.51		8.8	22.9
	4	1 .71	60.3	3.6	5.03		3.6	12.1
	1.8	1.11	٥٥،٥	4	5.55	139.7	4	13.4
	2	1.23		4.5	6.19	ויבטו	4.5	15
26.9	2.3	1.4		5	6.82		5	16.6
20,5	2.6	1.56		5.6	7.65		5.4	1 7.9
	3.2	1 .87		6.3	8.39		6.3	20.7
	4	2.26		2.6	5.24		8	26
	2	1.56		2.9	5.75		10	32
	2.3	1.78		3.2	6.44		4.5	17.8
33.7	2.6	1.99		3.6	7.11	165.1	5	19.7
33./	3.2	2.41	76.1	4.5	7.95	100.1	5.4	21.2
	4	2.93		5	8.77		6.3	24.8
	4.5	3.24		5.4	9.42		4	16.2
	2.3	2.27		6.3	10.8		4.5	18.2
	2.6	2.55		7.1	12.1		5	20.1
	3.2	3.09		2.9	6.15	168.3	5.4	21.7
42.4	3.6	3.44		3.2	6.76		6.3	25.2
	4	3.79		4	8.38		7.1	28.2
	5	4.61	88.9	5	10.3		8	31.6
	5.4	4.93	6,00	5.4	11.1		6	23.3
	2.3	2.61		5.6	11.5		5.4	25.1
	2.6	2.93		6.3	12.8	193.7	5.9	27.3
	2.9	3.25		8	16		6.3	29.1
	3.2	3.56		3.2	8.77		8	36.6
48.3	3.6	397	1 14.3	3.6	9.83			
40.0	4	4.37	1 14,0	4.5	12.2			
	4.9	5.24		5.4	14.5			
	5	5.34						
	5.6	5.9						
	5.9	6.16						

	Mechanical Properties IS : 3601-2006										
S.No.	Tube Designation	Tensile Strength	Yield Stress	Elongation							
		Min.	Min.	As welded (Less than or equal to 33.7 mm OD)	As welded (more than 33.7mm OD)						
1	WT 160	310	160	15	22						
2	WT 210	330	210	12	20						
3	WT 240	410	240	10	15						
4	WT 310	450	310	6	10						

#### **Notes:**

- 1. If tube in the as welded condition are subjected to annealing, brazing, welding or similar heating, it will deviate in the heat affected zone.
- 2. Welding of WT 310 grade may require special welding technique.
- 3. 1Mpa=0.1020kgt/mm2

	Manufacturing Tolerance								
S.No.	Over MM	Upto & Including MM	Tolerance on outside diameter mm						
1	-	25.4	± 0.15						
2	25.4	51	± 0.18						
3	51	53.5	± 0,25						
4	63.5	76.1	± 0.25						
5	76.1	88.9	± 0.31						
6	88.9	101.6	± 0.36						
7	101.6	114.3	± 0.43						
8	114.3	152.4	± 0.58						
9	152.4	168.3	± 0.65						
10	168.3	-	± 0.75						

## Technical Data of Hollow Steel Section RHS/SHS

**Conforming to IS: 4923-2017** 

A Square (SHS)								
Size	Depth or Width	Thickness	Weight	Area of Section	Moment of Inertia	Radius of Gyration	Elastic Modulus	Plastic Modulus
mm x mm	mm	mm	kg/m	cm²	cm⁴	cm	cm³	cm³
25 X 25	25	2.6	169	2.16	1 .72	0.89	1.38	1 .76
23 X 23	25	3.2	1.98	2.53	1.89	0.86	1 .51	1.98
	32	2.6	2.26	2.88	4.02	1 .18	2.51	3.11
32 x 32	32	3.2	2.69	3.42	4.54	1.15	2.84	3.59
	32	4 0	3.19	4.07	5.02	1.11	3.14	4.11
	38	3.2	3.29	4. 19	8.18	1 40	4.3	5.34
38 x 38	38	3.6	3.63	4.62	8.76	1.38	4.61	5.8
	38	4 0	3.95	5.03	9.26	1.36	4 87	6.22
	49.5	2.9	4.07	5.19	18.37	1.88	7.42	8,93
49.5 x 49.5	49.5	3.6	4.93	6.28	21 42	1.85	8.66	10.6
	49.5	4.5	5.95	7.58	24.64	1.80	9.96	12.47
	60	3,2	5.5	7 00	36,94	2.3	1 2.31	14.73
60 x 60	60	3.6	6.11	7.79	40.45	2.28	1 3.48	16.22
	60	4.5	7.43	9.47	47.2	2.23	1 5.73	19.32
	72	3.2	6.71	8.54	66.32	2.79	18.42	21.8
72 x 72	72	4	8.22	10.47	79.03	2.75	21 .95	26.32
	72	4.8	9.66	1 2.31	90.31	2.71	25.09	30.49
	91.5	3.6	9.67	12.32	156.49	3.56	34.21	40.24
91.5 x 91.5	91.5	4.5	11.88	15.14	187.57	3.52	41 .00	48.79
	91.5	5.4	14.01	1 7.85	21 5.68	3.48	47.14	56.77
	100	4	11.74	14.95	226.35	3.89	45.27	53.3
100 x 100	100	5	14.41	18.36	271 .10	3.84	54.44	64.59
	100	6 0	16198	21 .63	31 1 .47	3.79	62.29	75. 10
	113.5	4.5	14 99	1 9.10	372.88	4.42	65.71	77.33
113.5 x 113.5	113.5	4.8	15.92	20.28	393.31	4.4	69.3	81 .81
	113.5	5.4	17.74	22.6	432.58	4.38	76.23	90.55
132 x 132	132	4.8	1871	23.83	634.39	5,16	96.12	112.69
102 Λ 102	132	5.4	20.88	26.59	700.1 1	5.13	106.08	125.02
	150	4 0	18.01	22.95	807.83	5.93	107.71	124 87
150 x 150	150	5	22.26	28.36	982.13	5.89	130.95	152.98
	150	6	26.4	33.63	1 145.92	5.84	152.79	179.89

Tolerance on Th	ickness & Mass
Thickness for all Sizes	± 7.5%
	Weight
On Individual Length	+7%
	-8%
On Lots Of 10 Tonnes	± 7%
Outside Dimensions	± 1% of length of the side to be measured Of Sides with a minimum Of ± 0.5mm
Squareness of Corner	90° ± 2°
Radius Of Corners Outside	3 <b>T</b> , max where <b>T</b> is the thickness Of section



B. Rectangular (RHS	)												
Designation	Depth of Section	Width of Section	Thickness	Weight	Area of Section	Moment of	f Intertia	Radius o	f Gyration	Elastic M	odulus	Plastic	Modulus
						X-X	Y-Y	х-х	Y-Y	X-X	Y-Y	х-х	Y-Y
mm x mm	mm	mm	mm	kg/m	cm²	cm⁴	cm <sup>4</sup>	cm	cm	cm³	cm³	cm³	cm³
50 x 25	50	25	2.9	2.98	3.8	10.93	3.6	1 .70	0.97	4.37	2.88	5.72	3.48
30 X 23	50	25	3.2	3.24	4.13	11.63	3.8	1.68	0.96	4.65	3.04	6.14	3.73
60 x 40	60	40	2.9	4.12	5.25	24.74	13.1 1	2.17	1.58	8.25	6.56	10.25	7.73
	66	33	2.9	4.07	5.19	27.33	9.12	2.29	1.33	8.28	5.53	10.59	6.49
66 x 33	66	33 0	3.6	4.93	6.28	31.87	10.52	2.25	1.29	9.66	6.37	12.56	7.66
	66	33	4.5	5.95	7.58	36.64	11.93	2.2	1.25	1 1.10	7.23	14.77	8.94
	80	40	2 9	5.03	6.41	50.87	17.1 1	2.82	1.63	12.72	8.56	16.07	9.88
80 x 40	80	40	3.2	5.5	7.01	54.94	18.41	2.8	1.62	13.74	9.21	17.46	10.72
	80	40	4	6.71	8.55	64.79	21.49	2.75	1.59	16.2	10.74	20.91	12.77
	96	48	3.2	6.71	8.54	98.61	33.28	3.4	1 97	20.54	1 3.87	25.85	15.91
96 x 48	96	48	4	8.22	10.47	117.54	39.32	3.55	1.94	24.49	16.3	31 .21	19.14
	96	48	4.8	9.66	12.31	134.35	44.55	3.3	1.9	27.99	18.56	36.13	22.08



Conforming to IS: 1239 (Pt 1) - 2004, Equivalent to EN - 10255: 2004

Class	Nominal Bore		Outside Diameter		Wall Thickness	Nominal weight of steel Tubes			
			Minimum	Maximum		Plai	in End	Scre	ewed & Socketed
	mm	inch	mm	mm	mm	kg/mtr	Mtrs/tonne	kg/mtrs	mtrs/tonne
	15 L	1/2	21	21 .4	2	0.947	1056	0.956	1046
	20 L	3 / 4	26.4	26.9	2.3	1.38	725	1.39	719
	25 L	1	33.2	33.8	2.6	1.98	505	2	500
	32 L	1.1/4	41.9	42.5	2.6	2.54	394	2.57	389
Light	40 L	1.1/2	47.8	48.4	2.9	3.23	310	3.27	306
	50 L	2	59.6	60.2	2.9	4.08	245	4.15	241
	65 L	2.1/2	75.2	76	3.2	5.71	175	5.83	172
	80 L	3	87.9	88.7	3.2	6.72	149	6.89	145
	100 L	4	113	113.9	3.6	9.75	103	10	100
	15 M	1/2	21	21 .8	2.6	1.21	826	1.22	820
	20 M	3/4	26.5	27.3	2.6	1.56	641	1.57	637
	25 M	1	33.3	34.2	3.2	2.41	415	2.43	412
	32 M	1.1/4	42	42.9	3.2	3.1	323	3.13	319
	40 M	1.1/2	47.9	48.8	3.2	3.56	281	3.6	278
Medium	50 M	2	59.7	60.8	3.6	5.03	199	5.1	196
	65 M	2.1/2	75.3	76.6	3.6	6.42	156	6.54	153
	80 M	3	88	89.5	4	8.36	120	8.53	117
	100 M	4	113.1	115	4.5	12.2	82	12.5	80
	125 M	5	138.5	140.8	4.8	15.9	63	16.4	61
	150M	6	163.9	166.5	4.8	18.9	53	19.5	51
	15 H	1/2	21.0	21.8	3.2	1.44	694	1.45	690
	20 H	3/4	26.5	27.3	3.2	1.87	535	1.88	532
	25 H	1	33.3	34.2	4	2.93	341	2.95	339
	32 H	1.1/4	42	42.9	4	3.79	264	3.82	262
	40 H	1.1/2	47.9	48.8	4	4.37	229	4.41	227
Heavy	50 H	2	59.7	60.8	4.5	6.19	162	6.26	160
	65 H	2.1/2	75.3	76.6	4.5	7.93	126	8.05	124
	80 H	3	88	89.5	4.8	9.9	101	10.1	99
	100 H	4	113.1	115	5,4	14.5	69	14.8	68
	125 H	5	138.5	140.8	5,4	17.9	56	18.4	54
	150 H	6	163.9	166,5	5,4	21.3	47	21.9	46
	וטט ח	U	ביפטו	100.0	0,4	د ۱، ت	4/	71,3	40

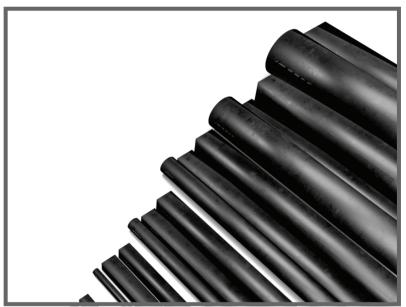
## Steel Tubes for Structural Purposes

Conforming to IS: 1161-2014

mm         mm         kg/Mrt.         Mtr/Ton           21.3         2.00         0.952         1050           15         2.60         1.200         834           26.9         2.30         1.400         714           20         26.9         2.30         1.400         714           3.20         1.870         535         535           3.20         1.870         535         535           3.20         2.410         415         415           4.00         2.930         341         415           4.00         2.930         341         415           4.00         2.930         341         415           4.00         3.790         264           4.00         3.790         264           4.00         3.790         264           4.00         3.790         264           4.00         3.790         264           4.00         3.790         264           4.00         4.370         229           60.3         2.90         4.110         243           50         3.60         6.190         162           7.61         2.	NB	Outside diameter	Thikness		eight of Black Tubes
15	mm	mm	mm		
15					1050
26.9	15		2.60	1.200	
20			3.20	1.430	699
3.20 1.870 535 33.7 2.60 1.990 503 3.20 2.410 415 4.00 2.930 341 4.2.4 2.60 2.550 392 32 3.20 3.090 324 4.00 3.790 264 4.00 3.790 264 4.00 4.370 229 4.00 4.370 229 60.3 2.90 4.110 243 50 3.60 5.030 199 65 3.60 5.030 199 65 3.60 5.030 199 65 3.60 5.040 155 65 4.50 7.950 126 88.9 3.20 6.760 148 80 4.00 8.380 119 80 4.00 9.630 100 90 4.80 11.460 87 114.3 3.60 9.830 102 100 4.50 13.590 74 110 4.80 14.500 69 127 4.50 13.590 74 110 4.80 15.970 63 15.40 16.190 62 139.7 4.50 15.000 67 125 4.80 15.970 63 150 168.3 4.50 16.410 61 135 4.80 17.470 57 150 168.3 4.50 17.890 56 150 168.3 4.50 18.980 53 150 193.7 4.50 18.980 53 150 168.3 4.50 18.180 55 150 193.7 4.80 19.350 52 150 193.7 4.80 19.350 52 150 193.7 4.80 19.350 52 150 193.7 4.80 19.350 52 150 193.7 4.80 19.350 52 150 193.7 4.80 22.360 45		26.9	2.30	1.400	714
25   33.7   2.60   1.990   503   3.20   2.410   415   4.00   2.930   341   4.00   2.930   341   42.4   2.60   2.550   392   3.20   3.090   324   4.00   3.790   264   4.00   3.790   264   4.00   4.370   229   4.00   4.370   229   4.50   6.190   162   4.50   6.190   162   4.50   6.190   162   4.50   6.190   165   4.50   7.950   126   4.80   4.00   8.380   119   4.80   9.960   100   4.80   9.960   100   4.80   9.960   100   4.80   9.630   102   4.50   6.190   62   4.80   14.470   69   5.40   14.500   69   4.80   14.470   69   5.40   14.500   67   4.80   14.470   69   5.40   17.890   56   5.40   17.890   57   5.40   17.890   56   56   56   56   56   56   56   5	20		2.60	1.560	641
25			3.20	1.870	535
42.4       2.60       2.550       392         32       3.20       3.090       324         40       3.790       264         40       3.290       3.250       308         40       3.20       3.560       281         40       4.00       4.370       229         60.3       2.90       4.110       243         50       3.60       5.030       199         4.50       6.190       162         76.1       2.90       5.240       191         65       3.60       6.440       155         4.50       7.950       126         88.9       3.20       6.760       148         80       4.00       8.380       1 19         4.80       9.960       100         4.80       9.960       100         4.80       9.630       104         4.80       9.630       104         4.80       9.630       102         100       4.80       9.830       102         100       4.50       12.190       82         5.40       14.500       69         127       4.50		33.7	2.60	1.990	503
32       42.4       2.60       2.550       392         3.20       3.090       324         4.00       3.790       264         4.00       3.790       264         4.00       3.790       264         4.00       3.250       308         3.20       3.560       281         4.00       4.370       229         60.3       2.90       4.110       243         50       3.60       5.030       199         4.50       6.190       162         76.1       2.90       5.240       191         65       3.60       6.440       155         4.50       7.950       126         88.9       3.20       6.760       148         80       4.00       8.380       1 19         4.80       9.960       100         4.80       9.960       100         4.80       11.460       87         100       4.80       11.460       87         114.3       3.60       9.830       102         4.80       14.400       69         5.40       14.500       69         127 </td <td>25</td> <td></td> <td>3.20</td> <td>2.410</td> <td>415</td>	25		3.20	2.410	415
32					
4.00 3.790 264  48.3 2.90 3.250 308  3.20 3.560 281  4.00 4.370 229  60.3 2.90 4.1 10 243  50 3.60 5.030 199  4.50 6.190 162  76.1 2.90 5.240 191  65 3.60 6.440 155  4.50 7.950 126  88.9 3.20 6.760 148  80 4.00 8.380 119  4.80 9.960 100  101.6 3.60 8.700 115  90 4.00 9.630 104  4.80 11.460 87  114.3 3.60 9.830 102  100 4.50 12.190 82  5.40 14.500 69  127 4.50 13.590 74  110 4.80 14.470 69  5.40 16.190 62  139.7 4.50 15.000 67  125 4.80 15.970 63  5.40 17.890 56  150 4.80 17.470 57  5.40 19.580 51  150 4.80 19.350 52  150 4.80 19.350 52  150 193.7 4.50 18.180 55  150 193.7 4.50 18.180 55  150 193.7 4.50 18.180 55  150 5.40 21.690 46  6.30 25.170 40  193.7 4.80 22.360 45  193.7 4.80 22.360 45  175 5.40 25.080 40		42.4			
40 48.3 2.90 3.250 308 3.20 3.560 281 4.00 4.370 229 60.3 2.90 4.1 10 243 50 3.60 5.030 199 4.50 6.190 162 76.1 2.90 5.240 191 65 3.60 6.440 155 4.50 7.950 126 88.9 3.20 6.760 148 80 4.00 8.380 119 4.80 9.960 100 101.6 3.60 8.700 115 90 4.80 11.460 87 114.3 3.60 9.830 102 100 4.50 12.190 82 5.40 14.500 69 127 4.50 13.590 74 110 4.80 14.470 69 5.40 16.190 62 139.7 4.50 15.000 67 125 4.80 15.970 63 5.40 17.890 56 152.4 4.50 16.410 61 135 4.80 17.470 57 5.40 19.580 51 166.1 4.50 19.580 51 166.3 4.50 18.980 53 5.40 21.270 47 168.3 4.50 18.180 55 150 5.40 21.690 46 6.30 25.170 40 193.7 4.80 12.360 45 150 193.7 4.80 22.360 45 175 5.40 25.080 40	32				
100   3.20   3.560   281     4.00		40.0			
100		48.3			
50       60.3       2.90       4.1 10       243         3.60       5.030       199         4.50       6.190       162         65       3.60       6.440       155         4.50       7.950       126         88.9       3.20       6.760       148         80       4.00       8.380       1 19         4.80       9.960       100         101.6       3.60       8.700       1 15         90       4.80       11.460       87         4.80       11.450       87         100       4.50       12.190       82         5.40       14.500       69         127       4.50       13.590       74         110       4.80       14.470       69         5.40       15.000       67         125       4.80       15.970       63         5.40       17.890       56         135       4.80       17.470       57         5.40       19.580       51         150       4.80       17.470       57         5.40       19.580       51         4.80       19.350<	40				
50       3.60       5.030       199         4.50       6.190       162         76.1       2.90       5.240       191         3.60       6.440       155         4.50       7.950       126         88.9       3.20       6.760       148         80       4.00       8.380       119         4.80       9.960       100         100       4.80       9.960       100         4.80       11.460       87         114.3       3.60       9.830       102         100       4.50       12.190       82         5.40       14.500       69         127       4.50       13.590       74         110       4.80       14.470       69         5.40       15.000       67         125       4.80       15.970       63         5.40       17.890       56         135       4.80       17.470       57         5.40       19.580       51         150       4.80       17.470       57         5.40       19.580       51         4.80       19.350       52 <td></td> <td>CO 0</td> <td></td> <td></td> <td></td>		CO 0			
65       76.1       2.90       5.240       191         3.60       6.440       155         4.50       7.950       126         88.9       3.20       6.760       148         80       4.00       8.380       1 19         4.80       9.960       100         101.6       3.60       8.700       1 15         4.00       9.630       104         4.80       11.460       87         110       4.80       14.400       69         127       4.50       13.590       74         110       4.80       14.470       69         127       4.50       13.590       74         110       4.80       14.470       69         125       4.80       15.000       67         125       4.80       15.970       63         5.40       17.890       56         135       4.80       17.470       57         5.40       17.820       56         150       4.80       18.980       53         5.40       21.270       47         4.80       19.350       52         150 <td>F0</td> <td>pn:3</td> <td></td> <td></td> <td></td>	F0	pn:3			
65       76.1       2.90       5.240       191         3.60       6.440       155         4.50       7.950       126         88.9       3.20       6.760       148         80       4.00       8.380       1 19         4.80       9.950       100         100       4.80       9.950       100         4.80       11.460       87         110       4.80       11.460       87         127       4.50       13.590       74         110       4.80       14.470       69         127       4.50       13.590       74         110       4.80       14.470       69         127       4.50       13.590       74         128       139.7       4.50       15.000       67         125       4.80       15.970       63         5.40       17.890       56         135       4.80       17.470       57         5.40       19.580       51         150       4.80       18.980       53         5.40       21.270       47         4.80       19.350       52	50				
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139.7	110				
125     4.80     15.970     63       5.40     17.890     56       152.4     4.50     16.410     61       4.80     17.470     57       5.40     19.580     51       150     4.80     18.980     53       5.40     21.270     47       168.3     4.50     18.180     55       4.80     19.350     52       5.40     21.690     46       6.30     25.170     40       193.7     4.80     22.360     45       175     5.40     25.080     40					
135   152.4   4.50   16.410   61   135   4.80   17.470   57   15.40   19.580   51   165.1   4.50   17.820   56   150   4.80   18.980   53   150   5.40   21.270   47   168.3   4.50   18.180   55   4.80   19.350   52   5.40   21.690   46   6.30   25.170   40   193.7   4.80   22.360   45   175   5.40   25.080   40		139./			
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135     4.80     17.470     57       5.40     19.580     51       165.1     4.50     17.820     56       150     4.80     18.980     53       5.40     21.270     47       168.3     4.50     18.180     55       4.80     19.350     52       5.40     21.690     46       6.30     25.170     40       193.7     4.80     22.360     45       175     5.40     25.080     40		450.4			
150   5.40   19.580   51   165.1   4.50   17.820   56   150   4.80   18.980   53   5.40   21.270   47   168.3   4.50   18.180   55   4.80   19.350   52   150   5.40   21.690   46   6.30   25.170   40   193.7   4.80   22.360   45   175   5.40   25.080   40		152.4			
150  150  165.1  4.50  17.820  56  4.80  18.980  53  5.40  21.270  47  168.3  4.50  18.180  55  4.80  19.350  52  5.40  21.690  46  6.30  25.170  40  193.7  4.80  22.360  45  175	135				
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175 5.40 25.080 40					
		193.7			
5.90 27.330 37	175				
219.1 4.80 25.370 39		219.1			
<b>200</b> 5.60 29.490 34	200				
5.90 31.020 32			5.90	31.020	32

Physical Properties									
Grade	Y-S (min) MPa (kg/mm2)	T.S. (Min) MPa (kg/mm2)	Elongation						
YST-210	210 (21 .42)	330 (33.66)	20						
YST-240	240 (24.48)	410 (41 .82)	17						
YST-310	310 (31.62)	450 (45.90)	14						

Tolerance	
Outside Diameter upto & including 48.3 mm	+ 0.4 mm
	- 0.8 mm
Over 48.3 mm	1%
Thickness	± 10%
Weight	
For Single Tube	± 10%
For 10 Tonne Lot	7.50%







HII Deego SS pipe is a long stainless steel tube used to transport water, gas, oil, or other materials.Because of stainless steel's strong corrosion resistance, it is employed in applications involving high temperatures, corrosive fluids, and high contaminant levels.

When you're picking pipes for your building job, it's really important that they last a long time and work well. Our black pipes are made to be tough and trustworthy, so they can handle hard situations and keep working for a long time.

#### **PRODUCT RANGE**



Circular Hollow Section - 1/2" to 2.5"



Rectangular Hollow Section - 20 x 40mm to 25 x 50mm



Square Hollow Section - 20 x 20mm to 50 x 50mm

THICKNESS RANGE: 1.15MM TO 1.40MM



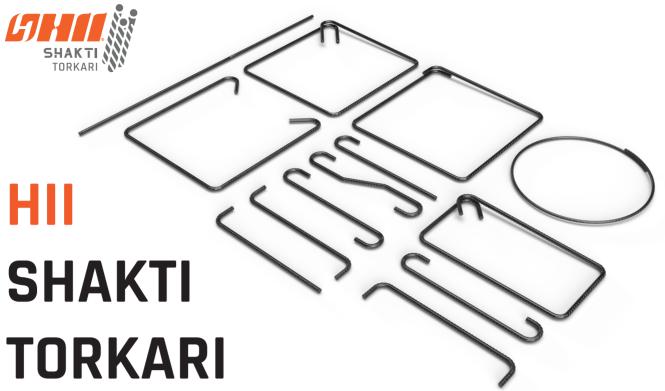




**Interior Design** 

**Balcony** 

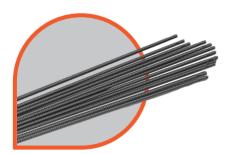
Railing



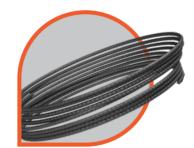
HII Shakti Torkari is a high strength and high bond reinforcing steel rod, mostly used as reinforcement bar (rebar) for the concrete in the construction.

Our torkari is a type of strong steel rod that builders often use in construction. These steel rods, sometimes called rebars, are really important in making concrete structures sturdy. They give concrete extra strength and support. When you're building something, it's super important to use good-quality steel for this job. HII Shakti Torkari steel rods are top-notch and made just for construction. They're built from really strong steel and follow really strict quality rules.

#### **PRODUCT RANGE**



Straight Length - 7.0mm Tolerance +/- 4%



Coil Form - 4.75mm Tolerance +/- 4%



Construction



Structure



Hume Pipe





### **HII SHARP NAILS**

HII Sharp Nails are usually used for joining pieces of wood or for fastening other materials to wood. They are simply hammered into place and are held there by friction.

Our nails are super strong and can handle really tough situations, making them great for any job. You can get them in different sizes to fit your project perfectly, which makes them really useful for all sorts of things. These nails are made from really good materials and are designed very carefully to work really well.

#### **PRODUCT RANGE**

Size ( Inch)	Wire Size mm
1"	2mm
1.5"	2.30mm
2"	2.60mm
2.5"	3.25mm
3"	3.60mm
4"	4.0mm



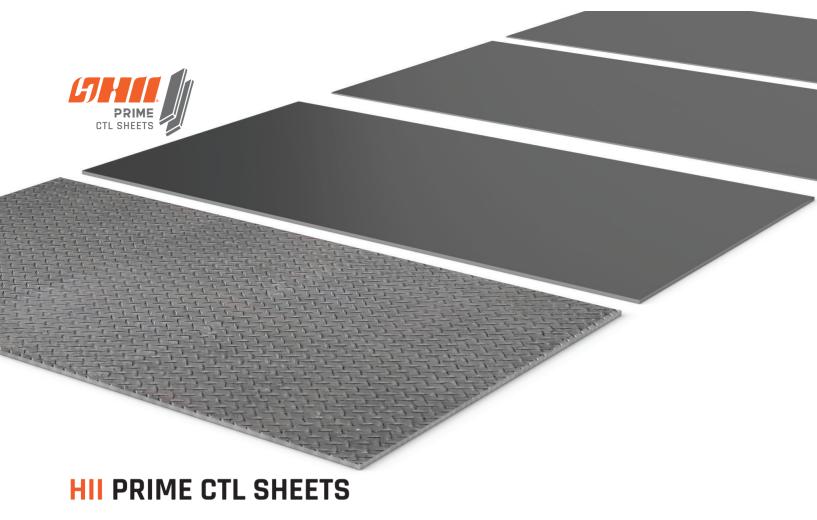








Construction



HII Prime CTL Sheets typically refer to a sheet or coil of material, such as steel, aluminum, or other metals, that is custom-cut to specific dimensions according to project requirements. These sheets are often used in various construction and manufacturing processes where precise sizing is crucial.

Our custom-cut sheets are made very carefully to fit your project just right. We use really advanced technology to make sure they're the exact size and shape you want. These sheets are strong and long-lasting because we use really good materials. If you need a specific size, thickness, or look, we can make it exactly the way you need it to make sure your project goes well.

#### **PRODUCT RANGE**



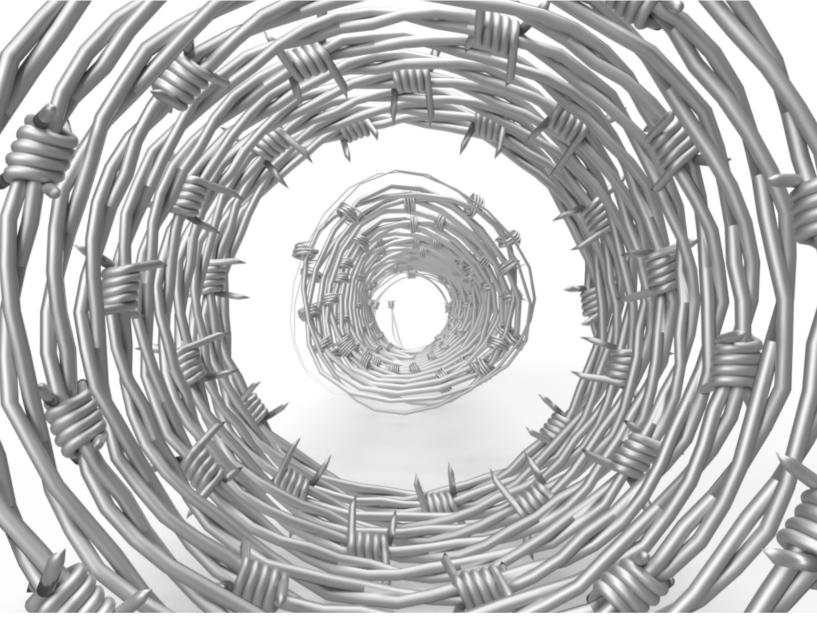


## Weight Chart HR Sheet

S. No.	THICKNESS	SIZE	MAX. WEIGHT / PIECE (KG)
1	1.20 mm	1220 x 2440	28
2	1.40 mm	1220 x 2440	32
3	1.50 mm	1220 x 2440	35
4	1.60 mm	1220 x 2440	37
5	1.80 mm	1220 x 2440	42
6	2.00 mm	1220 x 2440	47
7	2.20 mm	1220 x 2440	53
8	2.30 mm	1220 x 2440	54
9	2.40 mm	1220 x 2440	56
10	2.50mm	1220 x 2440	58
11	2.65 mm	1220 x 2440	60
12	2.80 mm	1220 x 2440	65
13	2.85 mm	1220 x 2440	68
14	3.00 mm	1220 x 2440	70
15	3.10mm	1220 x 2440	72
16	3.50 mm	1220 x 2440	82
17	3.85mm	1220 x 2440	90
18	4.00 mm	1220 x 2440	93
19	4.30 mm	1220 x 2440	101
20	4.60 mm	1220 x 2440	108
21	5.00 mm	1220 x 2440	117
22	6.00 mm	1220 x 2440	140
23	8.00 mm	1220 x 2440	190
24	10.00 mm	1220 x 2440	235
25	12.00 mm	1220 x 2440	280
26	16.00 mm	1250 x 2500	380
27	20.00 mm	1250 x 2500	470
28	25.00mm	1250 x 2500	585

## Weight Chart CR Sheet

S. No.	THICKNESS	SIZE	MAX. WEIGHT / PIECE (KG)
1	0.35 mm	1220 x 2500	8.600
2	0.37 mm	1220 x 2500	9.100
3	0.40 mm	1220 x 2500	9.900
4	0.45 mm	1220 x 2500	10.800
5	0.50 mm	1220 x 2500	12.000
6	0.52 mm	1220 x 2500	12.200
7	0.54 mm	1220 x 2500	13.100
8	0.57 mm	1220 x 2500	13.800
9	0.58 mm	1220 x 2500	13.850
10	0.68 mm	1220 x 2500	16.500
11	0.80 mm	1220 x 2500	19.200
12	0.85 mm	1220 x 2500	19.500
13	0.90 mm	1220 x 2440	21.500
14	1.10 mm	1220 x 2440	25.700
15	1.30 mm	1220 x 2440	30.500
16	1.40 mm	1220 x 2440	31.500
17	1.50 mm	1220 x 2440	34.500





### **HII BARBED WIRE**

HII Barbed wire is a type of steel fencing wire constructed with sharp edges or points arranged at intervals along the strands.

HII's barbed wire is your best bet for keeping things safe and protected. It's made from really good stuff and designed to be super strong and last a long time. This wire can handle tough weather and won't easily get rusty or damaged. Whether you're safeguarding a construction area, a farm, or any place, HII's barbed wire is the smartest choice for a fence that sticks around and works well.





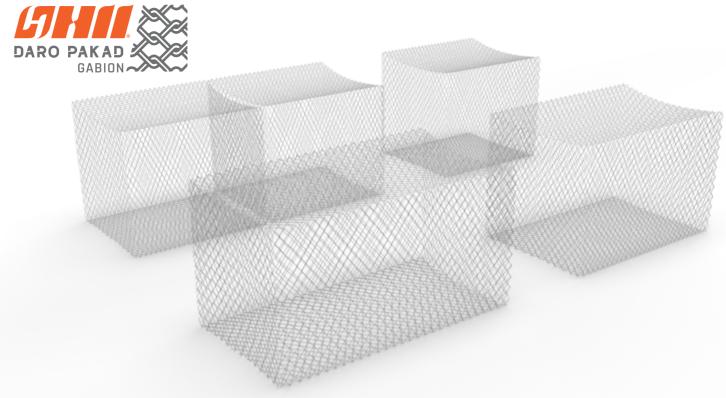




Parking Lot Backyard

yard

**Farmland** 



## **HII DARO PAKAD - GABION**

HII Daro Pakad Gabions are rectangular baskets fabricated from a hexagonal mesh of heavily galvanized steel wire. The baskets are filled with rock and stacked atop one another to form a gravity- type wall.

Our special boxes called gabion boxes are built super tough to handle Nepal's rough land. They're made from really strong materials and are great for making strong walls, stopping erosion, and doing other tough jobs in Nepal's tricky terrain.

#### **PRODUCT RANGE**

Gabion Size ( mtrs)	Partition Size (mtr)	No of Pcs/Partitions	Total SQM of Box	Weight of Gabion Box (Kgs)	No of Pieces in Bundle	Total SQM / Bundle	Total Weight / Bundle (kgs)
L1.5xW1xH1	1X1	2	8	14	30	240	420
L2xW1xH0.5	1X0.5	3	7.5	7.50	30	225	225
L2xW1xH1	1X1	3	11	18.70	30	330	561
L3xW1.5xH0.5	1.5X0.5	4	15	25.5	15	225	383
L3xW1.5xH1	1.5X1	4	21	34.5	15	315	517.6
L3xW1xH0.5	1X0.5	4	11	18.8	20	220	376
L3xW1xH1	1X1	4	16	26.5	15	240	397
L3xW2xH1	2X1	4	26	42.9	10	390	429
L4xW1xH1	1X1	5	21	34.4	15	315	516







Damp Proofing



Road Construction



### **HII CHAIN LINK**

HII Chain Link is a type of woven fence usually made from galvanized steel wire.

When it comes to protecting your place, don't go for anything but the best. Pick HII's chain link fencing for super strength and lasting power. Our fencing can handle really hard situations, and it won't get rusty or damaged easily. Whether you're securing a building site, a business area, or anywhere else, HII's chain link fencing is the smartest choice for a fence that lasts and does its job well.

#### **PRODUCT RANGE**

	WIRE THICKNESS				
SIZE	2.64	3	3.25		
50X50	ok	ok	ok		
75X75	ok	ok	ok		
100X100	ok	ok	ok		
Available Roll Widths : 3, 4, 5, 6 & 7 FT					



Fencing Parking Lot



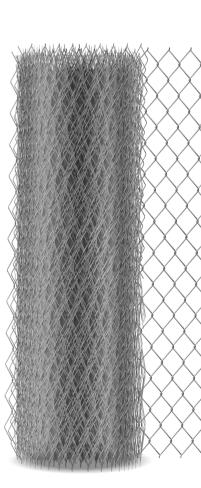
Backyard



**Farmland** 



Animal Cage





## **HII BINDING WIRON**

HII Binding Wiron is used for the purpose of tying applications in the field of construction.

Feel super sure about your construction projects by using HII's super-strong binding wiron. It's made from really good stuff and designed carefully to be tough and last a long time. No matter if you're tying together rebar, wire mesh, or anything else in construction, HII's binding wire is the smartest pick for making things stick together securely. Count on HII's top-quality binding wire because it's the toughest and most dependable choice for all your construction jobs.





#### **PRODUCT RANGE**



20g (0.90mm) Tolerance = +/- 0.05 mm Bundle : 25 Kgs



22g (0.70mm) Tolerance = +/- 0.05 mm Bundle : 25 Kgs



Construction



Structure



Household







# **HII WIRON**

### **GI HEAVY**

HII Wiron is a GI wire that is corrosion-resistant and has high tensile strength, making it ideal for use in the earthing system. They are commonly used in industrial and commercial buildings, power plants and substations to protect equipment and people from electrical hazards.

Get the strongest and toughest wire with HII's Galvanized Iron (GI) heavy wire. This wire can handle really tough situations & it won't get rusty or damaged easily. Whether you're using it for building stuff, in factories, or on farms, HII's GI heavy wire is the smartest pick for a wire that lasts a long time and works well.

#### **PRODUCT RANGE**

Туре	Size	Coating ( gms/mtr²)
Heavy	4.06	280
пеиvy	3.9	280
Medium	3.25	270
Mediaiii	3	240
Light	2.64	250
Ligiti	2.4	240







Structure



Household





























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