



ISPAT INDUSTRIES LTD., KALMESHWAR

Quality Assurance Department

Technical Delivery Conditions (TDC)

SS GRADE 60 - GALVANIZED STEEL COILS / SHEETS

Date of Issue	16.03.2006	Revision No.	00	Document No.	IIL/KLM/PD/GI/TDC/25
---------------	------------	--------------	----	--------------	----------------------

Application	1	
	2	
	3	

Equivalent ref. Grade	Specified Grade
	ASTM:A:653

Chemistry,wt%	Range	C	Si	S	P	Mn	Ni	Cr	Cu	Mo	Nb	V	Ti	Al	N ppm
SS GRADE 60	Min.	-	-	-	-	-	-	-	-	-	-	-	-	0.025	-
	Max.	0.065	0.030	0.008	0.010	1.000	-	-	0.150	-	0.055	0.040	-	0.040	80

Mechanical Properties	Range	YS	UTS	% Elongation		Bend Test	ECV	r-bar	n-val	HRB
		Mpa	Mpa	50 GL	80 GL	180°	mm			
SS GRADE 60	Min.	410	480	16	-	-	-	-	-	-
	Max.	-	-	-	-	-	-	-	-	-

Surface Finish: Regular / Suppressed / Minimized Spangle

Process Capability:

SS GRADE 60	Range	Thickness, mm	Width, mm	Length, mm	Zinc Coating, GSM
	Min	0.30	900	As per requirement	80
	Max	3.00	1250		275

Note:

1	
2	

Coil Weight: 10 MT max.

Coil Internal Diameter: 508 mm / 20"

Packet Weight: 2.00 - 3.00 MT

Process Route:

HR Coil --Pickling-->Rolling Mill --> Galvanizing --> Finishing --> Packing --> Despatch

Certification:

The Mill Test Certificate (MTC) gives the results of all the tests required by the standards for each grade (Chemistry, Mechanical).

Tolerances: Please refer annexure : GP SPECIFICATION

Prepared by:
V.S.Gadag

Approved by:
Dr.N.C.Jain
Vice President - QA

Issued by: