

1. Enquiry items along with quantities:

It. no	Size & Item description	Technical requirements	No. of plates	Qty in MT
1	90 mm Tk X 2300 mm W X 3200 mm LG	Carbon steel plates as per ASTM A 537 Cl. II with additional & mandatory technical requirements as per sl.no. 2 below.	20	104.00
2	90 mm Tk X 2350 mm W X 3000 mm LG		20	99.62
3	90 mm Tk X 1700 mm W X 4200 mm LG		10	50.44
4	100 mm Tk X 1700 mm W X 4200 mm LG		10	56.05
TOTAL			60	310.11

Above quantities are subject to variation per lot, per item and on overall basis: +10% / -0%.

2. Mandatory technical requirements:

Requirements	Standard
Condition	Quenched & tempered
Thickness & size	As per items in table at sl.no. 2 above.
Dimensions and tolerances	ASTM A 20 / A 20M
Charpy V – notch impact test on longitudinal specimen (see Fig. – 1 of ASTM A 370)	ASTM A 20 / A 20M - For thicknesses upto 100 mm – At temperature specified in table A2.15. - For thicknesses above 100 mm – Impact test at – (minus) 46 degree Celsius : 16 J (minimum for 1 specimen), 20 J (minimum average for 3 specimens)
Reduction ratio	3 : 1 (Reduction ratios as low as 2 : 1 are permitted if all the limitations of clause 5.3 of ASTM A 20 / A 20 M are met along with through thickness tension test to quality Z35 as per DIN EN 10164)
Ultrasonic testing	ASTM A578 / A578M (acceptance level shall be B)
Inspection documents as per results of tests for: - Chemical analysis - Mechanical properties - Heat Treatment - NDT - Impact testing (longitudinal) - Reduction Ratio	As per ASTM A 20 and relevant standards as applicable.

ABOVE TECHNICAL REQUIREMENTS OF EACH ENQUIRY ITEM ARE TO BE NECESSARILY ACCEPTED BY THE BIDDERS FOR THEIR OFFERS TO BE CONSIDERED TECHNICALLY ACCEPTABLE, FAILING WHICH OFFERS SHALL BE REJECTED.