## TENDER NO.65.12.8020 TECHNICAL SPECIFICATION

TECHNICAL SPECIFICATION	
	1. Set of Torquing tool for Cylinder Head nut of WDM2 Engine as well as Crab nut of
Major	EMD Loco Engine consisting of metric tool drive size 3/4" Torque range 135 to 950Nm,
parameter	speed 30 RPM, Weight 5.4 KG & Dimension 336 x 210 x 64 (Length x height x
	<b>gearbox diameter</b> ) with accessories Sp. Reaction arm for Alco cylinder head nut and
	socket <sup>3</sup> / <sub>4</sub> " x 46 mm And metric tool model E RAD 5400 with Drive size 1.1/2", Torque
	range 1080 to 5400 Nm, speed 5.2 RPM, Weight 14 Kg, Dimension 450 x 222 x 89
	( <b>Length x height x gearbox diameter</b> ) with accessories Sp. Reaction arm for Alco
	for EMD Crab nut and Socket 1.1/2" x 70mm.
	2. Advanced pistol grip torque wrench designed for high torque assembly applications.
	High degree accuracy of +/- 3 %, and repeatability of +/- 2 %, controlled by precision
	gear box and an advanced AC servo motor.
	3. Capable of data collocation in prescribed format which will include operator name,
	time, type of Job start and finish of the operation with the record of final
	Torque/angle measurement to take printout for record.
	4. LED indicator lights, indicating status of torque (pass/ fail)
	5. Separate controller module with each tool for setting of Torque, with digital readout.
	6. Eight channels for application torque/angle presets.
	7. Extremely low noise – 75 db
	8. Fast and convenient error free digital single increment torque setting.
	9. Password protected Fast and convenient error free digital single torque setting.
	10. Easily selectable pre set application and torque/angle values.
	11. On tool data log viewing & real time clock for data logging.
	12. 15 feet long heavy duty electric cable from controller to tool
	13. Optional Reaction Arm with dummy socket to avoid pinch points.
G '4 4	Portable Swivel Crane with Spring Balancer to hold the tool, for operator friendly
Concomitant	torque operation.
accessories	1
Optional	Two copies of printed original operation & maintenance Manuals.
Accessories	
Spares	Cost of consumables required for two years as quoted by firm will be advised separately to
	consignee
Warrantee	18 months from the date of commissioning
requirement	
Special	1. Commissioning at the consignee site by firm free of cost. Payment will be made 80%
requirement	after commissioning & 20 % successfully working after two months.
	2. Firm practical demonstration and the suitability inline with above technical specification of the M&P must be conducted at diesel shed Itarsi before supplying the final equipment
	to the shed at on free of cost basis.