

REVN.	NO. OF PLACES	CHANGE/ECN NO.	SIGNATURE & DATE	
			REVISED	APPROVED

A. SCOPE OF SUPPLY:

COMPULSORY ITEMS:

SL No.	DESCRIPTION	QTY/KIT	PART No.
1	CRDI HIGH PRESSURE PUMP ASSY (WITH PHASING SENSOR METERING UNIT ETC)	1 SET	123 400 0189
2	CRDI INJECTOR ASSEMBLY WITH SIDE FEED	12 No's	123 400 0204
3	CRDI RAIL ASSEMBLY	1 SET	123 400 0197
4	ENGINE MANAGEMENT SYSTEM.	1 No's	123 809 0228
5	EMS CALIBRATION & DIAGNOSTIC TOOL (SOFTWARE + HARDWARE).	1 No's	123 809 0236
OPTIONAL ITEMS:			
6	HIGH PRESSURE PIPE SET.	1 SET	123 400 0212
7	SENSOR SET.	1 SET	123 809 0244


C. DVP TEST REQUIREMENTS:

1. FIE RIG TEST TO VERIFY DURABILITY OF HIGH PRESSURE PUMP & INJECTOR.
2. HYDRAULIC SIMULATIONS OF FIE COMPONENTS.
3. COMPONENT VIBRATION AND FATIGUE TEST TO MEET 2X10⁷ CYCLES.
4. EMC/EMI VALIDATION TESTING FOR ELECTRICAL COMPONENTS.
5. ALL ELECTRICAL AND ELECTRONIC COMPONENTS SHALL COMPLY ENVIRONMENTAL AS PER JSS 55555 STD , MIL STD 1275E , MIL STD 461G AND EMI/EMC STD.

NOTE:

1. ANY PARTS REQUIRED TO PROVE DVP TEST REQUIREMENTS ARE PART OF SUPPLIER'S SCOPE.
2. ALL THE TEST REPORTS SHALL BE PROVIDED ALONG WITH THE PARTS SUPPLY.
3. ALL PARTS ARE SUPPLIED WITH PROPER CLOSING CAPS.
4. ALL PARTS SHALL BE SUPPLIED IN GOOD SEAWORTHY PACKING CONDITION.
5. PERFORMANCE AND VALIDATION TEST REPORTS SHALL BE PROVIDED FOR BOTH CRDI HP (HIGH PRESSURE) PUMP, INJECTOR, CRDI RAIL ASSEMBLY AND EMS.
6. THE FINAL DESIGN OF CRDI PARTS CRDI HP(HIGH PRESSURE) PUMP , INJECTOR, CRDI RAIL ASSY. WILL BE VETTED BY M/S RICARDO.
7. REFER 'Technical Requirement CRDI FIS and EMS' DOCUMENT FOR DETAILED REQUIREMENTS.

PRELIMINARY DRAWING

					BE1500		01	
SL NO.	PART NO.	NAME OF PART	QTY./ ASSLY.	MATERIAL	REMARKS	APPLICATION	QTY.	
General Tolerance To ISO 2768			Remove all burrs and break sharp edges.		Unspecified finish Ra12.5			
All dimensions are in mm, Unless specified. Do not scale the drawing. If in doubt, ask.			MATERIAL		HEAT TREATMENT			
			Wt. of part (Kgs.)		CASE DEPTH			
DESIGN REF. --			TITLE		SIZE A3			
			CRDI FIS KIT		SCALE NTS			
					SURF. TREATMENT --			
APPROVED	NAME	SIGNATURE	DATE	BEML LIMITED, Engine Division, Mysore.		SHEET 1/1	DRG.NO. 123 400 0172	
CHECKED	NAME	SIGNATURE	DATE					
DRAWN	NAME	SIGNATURE	DATE					