



1.1.3	<p><b>Cooling Equipment</b> Cooling equipment comprising a heavy-duty tropical radiator, together with pusher type cooling fan and guards to be fitted. The radiator core should be electroplated with silver solder tin plated to prevent early failure due to corrosion. Coupon plated radiators are acceptable. The radiator has to be mounted on the vibration mounts and it should have enough strength to with stand the radiator.</p>		
1.1.4	<p><b>Exhaust system</b> 450 mm of stainless steel below type flexible exhaust, together with suitable flanges and fittings shall be supplied for each silencer.</p>		
1.1.5	<p><b>Alternator</b> The alternator shall be brushless revolving type alternator, having class H insulation on both the stator and field windings. It shall be built and rated to BS 5000, tropically impregnated with voltage regulation being in the order of +/- 1.5% from no load to full load under the steady state conditions assuming a speed variation not exceeding 4% on the engine. Anti-Condensation Coil to be fitted in the Alternator.</p>		
1.1.6	<p><b>Generator arrangement and drive</b> The simplex type base plate is of heavy duty rolled steel constructed, bolted and electrically welded, drilled on the underside to allow the fitting of foundation bolts. The engine and the alternator are to be mounted on a base plate and vibration mounts to be mounted underside of the base plate. The vibration mounts are to be supplied as loose item.</p>		
1.1.7	<p><b>Fuel system</b> A fuel day tank of 12 hours capacity complete with level indicator, drain plug, filler, fuel return with fuel outlet connections and a fuel filter fitted with outlet connection is to be mounted. These mounts are to be supplied as loose item. All necessary fittings to be supplied in conformity with fuel flow diagram.</p>	Nos.	1
1.2	<p><b>Factory testing</b> The generator should be fully tested at the manufacturer workshop in the presence of client/appointees to check the ratings, overload, functional tests on a dummy load prior to dispatch in case the bidder is unable to provide factory test as mentioned, the bidder shall provide an extended warranty of one extra year than mentioned in item no 10 of this document.</p>		
1.3	<p><b>Finishing</b> After assembling the genset zinc coated self-etching primer should be applied to the complete set.</p>		
1.4	<p><b>Warranty</b> Generator set should carry a warranty of one year from the date of commissioning the equipment.</p>		
1.5	<p><b>Literature and drawings</b></p>		
1.5.1	How to handle the generation equipment	Nos.	1
1.5.2	Electrical wiring diagram	Nos.	1
1.5.3	Engine operation and maintenance manual	Nos.	1
1.5.4	Engine parts catalogue	Nos.	1
1.5.5	Generator parts catalogue	Nos.	1
1.5.6	Generator operation and maintenance manual	Nos.	1



