

**360 ވަތަ ޖެނަރޭޓަރ ސެޓް ޖަހާ ޕްރޮޖެކްޓް ޖެނަރޭޓަރ ސެޓް**

ޖެނަރޭޓަރ ސެޓް ޖަހާ ޕްރޮޖެކްޓް ޖެނަރޭޓަރ ސެޓް 360 ވަތަ ޖެނަރޭޓަރ ސެޓް 01 (އެއް) ޖެނަރޭޓަރ ސެޓް ޖަހާ ޕްރޮޖެކްޓް ޖެނަރޭޓަރ ސެޓް

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S/N:	Description	Unit	Qty
1	<p>450kVA/360 kW prime rated diesel generator set with parameters 0.8 P.F, 415 Volts, 3 Phase, 4 wires, 50 Hz at 1500 r.p.m. Powered by Cummins engine coupled with Stamford Alternator.</p> <p>The Generator set shall be powered by a Cummins engine origin (UK, USA) or assembled/manufactured by an Original Cummin's Licenced OEM manufactured/assembler.</p> <p>The engine must produce a mechanical power output (kW<sub>m</sub>) which should meet the required electric power ( kW<sub>e</sub>) of 450kW and must be coupled with a 450kW Stamford Alternator with pre-installed Droop CT and remote mounted control panel.</p> <p>The controller should be Deepsea model: 8860 engine controller. Motorised TP, 800A ACB c/w UVT Coil AC 230 V, brand "MERLIN GERIN") or equivalent.</p> <p><b>Engine to be complete with following auxilliary items :</b></p> <ul style="list-style-type: none"> <li>• Heavy electrical flywheel</li> <li>• SAE flywheel housing</li> <li>• Air filters, Lubricating Oil Filters, Fuel Filters and all other such filter required for operation of the engine</li> <li>• Low lubricating oil pressure switch</li> <li>• High engine temperature switch</li> <li>• lub oil sender</li> <li>• Water Temperature Sender</li> <li>• All necessary items to run and to protect the engine</li> <li>• <b>Starting equipment fitted to engine, consisting of :</b> <ul style="list-style-type: none"> <li>▪ 24 Volt charging altenator (Brushless)</li> <li>▪ 24 Volt starting motor</li> <li>▪ Fuel Shut-off solenoid</li> <li>▪ Heavy duty lead acid batteries, supplied in a dry charged condition</li> </ul> </li> <li>• <b>Governing System</b> The engine to be fitted with a close tolerance Cummins Electronic Governing system, which should include efc, actuators, magnetic pickups, etc, including wiring</li> </ul>	1	No

	<p>• <b>Cooling Equipment</b></p> <p>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. Radiator has to be mounted on vibration mounts with enough strength to withstand the radiator and vibrations.</p> <p>Radiator must be designed to adequately cool the generator at an ambient temperature of 50°C</p> <p>• <b>Exhaust system</b></p> <p>450 mm of stainless steel below type flexible exhaust, together with suitable flanges and fittings shall be supplied for each silencer.</p> <p>• <b>Alternator</b></p> <p>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> <p>• <b>Generator arrangement and drive</b></p> <p>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> <p>• <b>Finishing</b></p> <p>After assembling the genset zinc coated self-etching primer should be applied to the complete set.</p>		
<p><b>1.2</b></p>	<p><b>Fuel system</b></p> <p>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>	<p>1</p>	<p>No</p>
<p><b>1.3</b></p>	<p><b>Factory testing</b></p> <p>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 <b>in case the bidder is unable to provide factory test</b> as required the bidder shall provide an extended warranty of one extra year than mentioned in item no 1.6 of this document.</p>	<p>1</p>	<p>No</p>
<p><b>1.4</b></p>	<p><b>Literature and drawings consisting of :</b></p> <ul style="list-style-type: none"> <li>• 1 No x Manual on How to handle the generation equipment</li> <li>• 1 Nos x Electrical wiring diagram</li> <li>• 1 No x Engine operation and maintenance manual</li> </ul>	<p>1</p>	<p>Lot</p>





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ދިވެހިސަރުކާރުގެ ގެޒެޓްގައި ބަޔާންކޮށްފައިވާ ގޮތެއް  
ދަނީ ބޭނުންކުރާ ގޮތެއް

• ފަންޓް: 60 ފަންޓް

(ފަންޓް 60 ފަންޓް / ފަންޓް 60 ފަންޓް)

• ފަންޓް 25 ފަންޓް (ފަންޓް): 25 ފަންޓް

(ފަންޓް 25 ފަންޓް / ފަންޓް 25 ފަންޓް) × 25

• ފަންޓް 10 ފަންޓް (ފަންޓް 10 ފަންޓް / ފަންޓް 10 ފަންޓް)

• ފަންޓް 05 ފަންޓް (ފަންޓް 05 ފަންޓް)

ދިވެހިސަރުކާރުގެ ގެޒެޓްގައި ބަޔާންކޮށްފައިވާ ގޮތެއް

މުޅި އިދާރާތަކުން ދަނީ ބޭނުންކުރާ ގޮތެއް

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ފަންޓް: FNK-I/IUL/2018/027

7 ވަނަ ފަންޓް (ފަންޓް) 7 ވަނަ ފަންޓް

ފަންޓް 7 ވަނަ ފަންޓް

މުޅި

މުޅި 21 ފަންޓް 2018 ވަނަ ފަންޓް 12:00 ފަންޓް 12:00 ފަންޓް

7 ވަނަ ފަންޓް (ފަންޓް) 7 ވަނަ ފަންޓް 7 ވަނަ ފަންޓް

21 ފަންޓް 2018 ވަނަ ފަންޓް 21 ފަންޓް 2018 ވަނަ ފަންޓް

12:00 ފަންޓް 12:00 ފަންޓް

