



وسرا المعروب موسر ورجع وراد المعروب موسر ووراده

سرَسْرَهُ م عن FNK-K(T)/FNK/IUL/2017/047

תהלית

250 مِوْ وَقُوْمَ عَمْرُهُمْ مِوْسُونُ مُوْمِدُهُ

دِنْرُوْرُسُ مِرْ وَبِرِدُرُو وَ وَرُوْرُورُهُ مِرْدُورُهُ مِرْدُورُ وَ فَي 10 (مَنْدُ) عَسْرَمُ عَ وَمُرْمُورُون

S/N:	Description	Brand	Unit	Qty
1	250 kW prime rated Diesel Engined Genarator		1	No
	set with parameters:			
	0.8 P.F, 415 Volts, 3 Phase, 4 Wires, 50 Hz at 1500 r.p.m.			
	1300 1.p.m.			
	The Generator set shall be powered by a			
	Cummins engine origin (UK, USA) or			
	assembled/manufacured by an Original			
	Cummin's Licenced OEM manufacturer or			
	assembler.		<u> </u>	
	The engine must produce a mechanical power			
	output (kW _m) which should meet the required			
	electric power (kW _e) of 250 KW and must be			
	coupled with a 250 kW stamford Altenator with			
	pre-installed Droop CT, with remote mounted			
	control panel.			
	The controller should be Deepsea model: 8810			
	engine controller.			
	Motorised TP, 500 A, ACB c/w UVT Coil AC			
	230 V, ("MERLIN GERIN") or equivalent.			
	Engine to be complete with following			
	auxilliary items:		<u> </u>	
	Heavy electrical flywheel			
	 SAE flywheel housing 			
	Air filters, Lubricating Oil Filters, Fuel			
	Filters and all other such filter required for			
	operation of the engine			
	• Low lubricating oil pressure switch			
	 High engine temperature switch 			





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		وريزارخ
• lub oil sender		
Water Temperature Sender		
• All necessary items to run and to protect the engine		
• Starting equipment fitted to engine, consisting of :		
• 24 Volt charging altenator (Brushless)		
• 24 Volt starting motor		
Fuel Shut-off solenoid		
• Heavy duty lead acid batteries, supplied in a dry charged condition		
• Governing System		
The engine to be fitted with a close tolerance Cummins Electronic Governing system, which should include efc, actuators, magnetic pickups, etc, including wiring		
Cooling Equipment		
Cooling equipment compromising a heavy-duty tropical radiator, together with pusher type cooling fan and guards to be fitted. The radiator core should be elecroplated 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.		
• Exhaust system		
450 mm of stainless steel below type flexible exhaust, together with suitable flanges and fittings shall be supplied for each silencer.		
• Alternator		
The alternator shall be brushless revolving type altenator, 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.		
Generator arrangement and drive		





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	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.				
	• Finishing				
	After assembling the genset zinc coated self-etching primer should be applied to the complete set.				
1.2	Fuel system		1	No	
	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 are to be suuplied as loose item. All necessary fittings to be supplied in conformity with fuel flow diagram.				
1.3	Factory testing		1	No	
	The generator should be fully tested at the manufacturer workshop in the presence of client/apointees to check the ratings, overload, functional tests on a dummy load prior to dispatch <i>in case the bidder is unable to provide factory test</i> as required the bidder shall provide an extended warranty of one extra year than mentioned in iteme no 10 of this document.				
1.4	Literature and drawings consisting of :		1	Lot	
	 1No x Manual on How to handle the generation equipment 1 Nos x Electrical wiring diagram 1 No x Engine operation and maintenance 				
	manual				
	1 No x Engine parts catalogue				_
	1 No x Generator parts catalogue				
	• 1 No x Generator operation and maintenace manual				-
	1 No x Generator AVR manual]
	1 No x Governor control unit manual				
	• 1 No x Engine shop manual				





وسركا كالمرؤ كرمام ورجاء

1.5 Accessories The Components shall meet the British Standard and ISO standards. Items are for the above mentioned generator sets. 1.5.1 Primary silencer barrel(to match engine 1 No 1.5.2 Secondary silencer barrel(to match engine 1 No exhaust) 1.5.3 3m Exhaust pipe dia(to match engine 4 No exhaust) Elbows having dia (to match the engine 1.5.4 3 No exhaust) 1.5.5 Flanges having dia (to match the engine 8 No exhaust) Warranty Generator set should carry a warranty of one year from the date of commissioning the equipment.

زنزروندو مؤناء

- - سرور مرمزوس ومرورد
- - בצל לייתעל את צרפיתל לייתע על על על ב ב
 - سؤور لا لا عربر عرب على المال الما

مُعْرِّ مِنْ مُنْ وَمُنْ وَمُنْ وَمُنْ وَمِنْ مُنِي مُنْ وَمُنْ مُنْ وَمُنْ وَمُنْ وَمُنْ وَمُنْ وَمُنْ



وُسِرُمَا مُعْمِرُ مُرْمُونُهُمْ وَرِجُعَا

وورگرده دروسرسه در پزرهاورو دی:

• دُوْرُ (ورور ترورً) 60 بردسرة

6 × 31 4 / 31 × 100 1 11 17

- - שעתעל ער בָּעִמָּשׁ 15 בָּתְעָּשׁ (שעתעל תפּלָנִשׁ עֹצְפָּת עתנַתְצ בְעֹרְכִּשׁ הֹר הרצביני)
 - مُرَام وَ مُرَامِرُوسُ وَرَدُرُمُ (وُرُوسُ) 20 بُرسُمْ

رَرْرُو مُرِودُ لَا يُرْدُورُورُهُ / رُبَرْرُدِ وَمُورُهُ × 20 × مُرْرِدِ وَمُورُهُ

دُسُورُ الله و دُرُرُورُوسُ مِيرِيْدِ وَفُرْسِرُو خُورُ دُوْمِ سُورُورُو.

ב מנים מני ב אנים אני

وسرك كالمركب ورجع

در برس سرس ما FNK-K(T)/FNK/IUL/2017/047

رؤودى دُورْش

15

09 ترنغ 1438

06 مُؤْمِرُو 2017