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سرَسْرَهُ مِن FNK-K(T)/FNK/IUL/2017/188

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﴿ الْمَارُ الْمُلَا الْمَارُ الْمُعْرِقُ مِنْ الْمُعْمِلُ اللَّهِ الْمُعْلِقُولُ الْمُعْمِلُ اللَّهُ الْمُعْلِقُولُ الْمُعْمِلُ اللَّهُ الْمُعْلَى الْمُعْلَى الْمُعْلِقُولُ الْمُعْلِقُ اللَّهُ الْمُعْلَقُ الْمُعْلِمُ اللَّهُ الْمُعْلِقُ اللَّهُ الْمُعْلِقُ الْمُعْلِقُ الْمُعْلِمُ الْمُعْلِقُ الْمُعْلِقُ اللَّهُ الْمُعْلِمُ اللَّهُ الْمُعْلِقُ الْمُعْلِقُ الْمُعْلِمُ ا الْمُعْلِمُ الْمُعْلِمُ الْمُعْلِمُ الْمُعْلِمُ لِمُعْلِمُ الْمُعْلِمُ الْمُل

S/N:	Description	Brand	Unit	Qty
1	250 kW prime rated Diesel Engined Generator set		1	No
	with parameters:			
	0.8 P.F., 415 Volts, 3 Phase, 4 Wires, 50 Hz at			
	1500 r.p.m. The Generator set shall be powered by a Cummins			
	engine origin (UK, USA) or assembled /			
	manufacured by an Original Cummin's Licensed			
	OEM manufacturer or assembler.			
	The engine must produce a mechanical power output (kW _m) which should meet the required			
	electric power (kWe) of 250 KW and must be			
	coupled with a 250 kW Stamford Alternator 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 :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			
	• lub oil sender			





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		فرور بوردع
Water Temperature Sender		
All necessary items to run and to protect		
the engine		
• Starting equipment fitted to engine, consisting of :		
• 24 Volt charging alternator		
(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 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.		
• 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 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.		
 Generator arrangement and drive 		
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.		





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			ترور بزارة
	• 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 to be supplied 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/appointees 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 item 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 maintenance manual 1 No x Generator AVR manual 1 No x Governor control unit manual 1 No x Engine shop manual 		
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 exhaust)	1	No
1.5.2	Secondary silencer barrel (to match engine exhaust)	1	No





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COIN	OKATION EIMITED	_	ئرور گرارخ فرور گرارخ
1.5.3	3m Exhaust pipe dia (to match engine exhaust)	4	No
1.5.4	Elbows having dia (to match the engine exhaust)	3	No
1.5.5	Flanges having dia (to match the engine exhaust)	8	No
	Warranty		
	Generator set should carry a warranty of one year from the date equipment.	of commis	ssioning the

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مرسور من المرسوعرو دو:

• رُدُ: 60 بُرِسرَعُ

60 × (בני" המפלת הצ / בניים הצ הצי)

- ﴿ وَمَا هُوَ دُوْ مُوْرُوهِ وَ هُرِدُونَ دُرِدُونَ دُرِدُونَ دُرِدُونَ مُرْوَدُونَ وَهُورُونَ مُرُونَ مُرَوَفُ وَ وَمُرَدُونَ وَالْمُونَ وَالْمُولِ وَالْمُونَ وَالْمُونِ وَالْمُونِ وَالْمُونِ وَالْمُونِ وَالْمُونِ وَالْمُونِ وَالْمُونِ وَالْمُونَ وَالْمُونِ وَالْمُولِ وَالْمُونِ وَالْمُولِ وَالْمُونِ وَل
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 - مُرَامِ وَمُرَارِوْسُ وَرُورُو (وَرُوكُ): 25 وَرُسُوعُ

25 × (בּרִבֶּע המפ על בּרִבּק / בֹרִינ בּרִבּק בּרֹ





हैंग्रेय प्रमूत्रिक्षेत्र कुटुंडे

چۈرىمەغ دىنورسى دىزرۇدۇس جەيدى دەشىرۇ ئايد دايدى ئادۇرۇ.

ט מו מ פשת ב שת ב ז א מעש את

وسركا كالجير شوس ورجع

بر مره مروروس، آوسر وسردور

2011 31 11 MM32 (3794)

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هِ اَنْ اَوْوْوَرْ رَوْجْرِوْرِ وَسِ 26 عِلَى صَلَّى 2017 وَّ رَسُونَهُ وَوْدُو 11:30 وَرَ وَمَا كَا يُورِمُ مُورِهُ وَهُ وَوَجَا اللهُ وَرَوْوَرُ رَوْجُورُ رَوْجُورُ رَوْجُورُ رَوْجُورُ رَوْجُورُ رَوْجُورُ وَرَاجُورُ وَاجُورُ وَالْحُورُ وَالْجُورُ وَالْحُورُ وَالْحُرَاءُ وَالْحُورُ وَالْحُوالُمُ وَالْحُورُ وَالْحُورُ وَالْحُورُ وَالْحُورُ وَالْحُورُ وَالْحُورُ وَالْحُورُ وَالْحُورُ وَالْحُوالِ وَالْحُولُ وَالْحُو