



سَرُسُرُهُ ثَرُ: FNK-I/IUL/2018/025

وسرم مرور مروع وروم مرور مروع ورور مروع

200 مِوْ وَجُوْدُ مَا مُرَدُّ مِنْ مُوْدُ مِنْ مُوْدُ مِنْ مُوْدُ مِنْ مُوْدُ مِنْ مُوْدُ مِنْ مُوْدُ مَا مُرَدُّ مُوْدُ مَا مُرْدُونُ مُوْدُ مَا مُرْدُونُ مُوْدُ مَا مُرْدُونُ مُوْدُ مُودُ مُوْدُ مُودُ مُود

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250kVA/200 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. 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. The engine must produce a mechanical power output (kW _m) which should meet the required electric power (kW _e) of 200kW and must be coupled with a 200kW Stamford Alternator with pre-installed Droop CT and remote mounted control panel. 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. Engine to be complete with following auxiliary 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 • Iub 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 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	Description	Unit	Qty
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	Cooling Equipment		رور برردع
	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. Radiator has to be mounted on vibration mounts with enough strength to withstand the radiator and vibrations. Radiator must be designed to adequately cool the generator at an ambient temperature of 50°C		
	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.		
	• 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 1.6 of this document.		





בית'ו לת באים את בפשב

COIN	ORATION LIMITED		ء ہوں ، ور برار ج
1.4	Literature and drawings consisting of :	1	Lot
	1 No 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
1.5.3	3m Exhaust pipe dia (to match engine exhaust)	2	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)	6	No
1.5.6	Bolts, Nuts and Washers for the Flanges. (Each set shall include 1 bolt, 2	1	Lot
	washers,1spring washer 2 Nuts)	1	LOT
1.5.7	Split type rockwool insulation lagging suitable for 75 to 125mm dia. Exhaust	1	Lot
	pipes. The lagging shall be covered with High Quality Aluminium foil.	1	LOT
1.6	Warranty		
	Generator set should carry a warranty of one year or 1,500 hours from the	1	Lot
	date of commissioning, whichever comes first	1	Lot

رْسُرْرُوسُوجٍ جُمْعُ

- جهُنَامِ سَهُوَرُمِنْمُرَوُوْمَ رُدُ: وِسَهُ وَرُوِ رُجِرٌ هُنَارُهُمُوْ رُدُو رُمُرُوْرُوُمُوْمُرُوْ. جِ.رُب. جِرَمُوُ فَوْرُ رُوُرُهُ رُجِرِ دِهُدُ رَبُوْمُورُ دِمْرُمُرُوْمِ وَمِنْ دِمِنْ دِمِنْ دِمْرُمُونُو
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وسركا كالمريك كالمراث ورجاء

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رسرفرسرساه کدر برسرع فرو کوی

• رُخ: 60 بُرسرع

60 × (ברי המפרות הב / המיע הבי)

• مُن م وَمُر سرعروس وَرُعْرَةُ (وُوْتُ): 25 بُرسرة

(בירים הייל על ברלה / בירים ברלה)

- ששתעל של ביל למתש: 10 ב בתש (ששתעל הפרחש שאפת שתובת בעול ביש או הר בילים
 - سَعْ رَبْعُ دُوْ دُوْرُمْ وَسُوعِ سِعِ: 05 جُرسُمْ

ל מני ש מני ש מנים אני

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رِدْرُسُرُ سَرُسُونَ مِن FNK-I/IUL/2018/025

وَ يَرُو وَ مِنْ الْمُورِ وَ مِنْ مُنْ الْمُورِ وَ وَلِمْ الْمِنْ وَالْمُورِ وَلِمْ الْمِنْ وَالْمُورِ وَلِمْ

روودي دورس

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وُسْرَا لَا يُرِيُّنَا عَلَيْ وَجَعَادُ وَجَعَادُ اللَّهِ اللَّهُ اللَّهِ اللَّهُ اللَّاللَّا اللَّهُ اللَّهُ اللَّهُ اللَّالِيلُولُ الللَّهُ اللَّهُ اللَّهُ الللَّهُ اللَّهُ اللَّهُ

عِنْ رَوْوَرُرُ رَوَخُرُ رَوَخُرُورُ وَسِ 21 وَصَّمْرُمِ 2018 وَ فَوْ فَرُورُو كُورُو 11:00 وَرَخُورُ وَخُرُورُ وَخُرَدُ وَوَسَادُمُ وَمُرَدُورُ وَخُرُورُ وَالْمُورُورُ وَالْمُورُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُ وَالْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُ والْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُ وَالْمُورُورُ وَالْمُورُورُ و

مِوْمَدُ وَهُوْوَهُ: وَهُوْرُوْمُ وَهُرَادُ ثَرْسُ مِا عُرْدُ وَهُرَادُ وَهُرَادُ وَهُرُومُ وَمُواسِمُ وَوَعَابُوهُ وَمِرَدُ وَهُرُومُ وَمُوسُمُوهُ وَمُورُومُ وَمُرَومُوهُ وَمُرْدُومُ وَمُرَادُوهُ وَمِرْدُومُ وَمُرْدُومُ وَمُؤْمِرُهُ وَمُرْدُومُ وَمُومُ وَمُرْدُومُ وَمُومُ وَمُومُ وَمُومُ وَمُومُومُ وَمُومُومُ وَمُومُ وَمُومُ وَمُعُومُ وَمُومُ وَالْمُومُ وَمُومُ وَمُومُ وَالْمُومُ وَالْمُومُ وَمُومُ وَالْمُومُ وَالْمُ وَالْمُومُ وَالْمُومُ وَالْمُومُ وَالْمُومُ وَالْمُومُ وَالْمُ وَالْمُومُ وَالِمُ وَالْمُومُ وَالْمُ وَالْمُومُ وَالْمُومُ وَالْمُومُ وَالْمُومُ وَالْمُومُ وَالْمُو

15 ئۇھىمەرىمىر 2018

٢٩ جُمَادَى الْأَوْلَى ١٤٣٩