بسم الله الرحمن الرحيم

FENAKA CORPORATION LIMITED

ڤىنەكە ئاكىرۇپۇرەشەن لىمىتېڈ

مېرۇپەرەڈە

FNK-K(T)/FNK/IUL/2017/147 :نەمبەر سەرلەۋھە

مەلۇمات

1000 ۋاتۇ ئۆچ (1 ئۈچ ئۆچ) ئۇ ئەسەبتىكەر 01 ئەسەبتىكەر ئىشلەيدىغان دىزېل دۋىگەر ئۇلۇش:

چۈشۈرۈشتىن مېيىدىغىنى دەپتۇققىمىز ئەمەلىيەتتە 1000 ۋاتۇ ئۆچ (1 ئۈچ ئۆچ) ئۇ 01 (ئەتىلەر) ئەسەبتىكەر ئىشلەيدىغان دىزېل ھاسىلاتچى.

S/N:	Description	Brand	Unit	Qty
1	1000 kW prime rated Diesel Engined Genarator set 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 Licenced OEM manufacturer or assembler. The engine must produce a mechanical power output (kW_m) which should meet the required electric power (kW_e) of 1000 KW and must be coupled with a 1000 kW stamford Altenator with pre-installed Droop CT, with remote mounted control panel. The controller should be Deepsea model: 8810 engine controller. Motorised TP, 2000 A, ACB c/w UVT Coil AC 230 V, ("MERLIN GERIN") or equivalent.		1	No
	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			

	• 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		
	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 ***in case the bidder is unable to provide factory test*** 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			
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)**		2	No
1.5.2	Secondary silencer barrel**(to match engine exhaust)**		2	No
1.5.3	3m Exhaust pipe dia**(to match engine exhaust)**		8	No
1.5.4	Elbows having dia **(to match the engine exhaust)**		6	No
1.5.5	Flanges having dia **(to match the engine exhaust)**		16	No
	Warranty			

	Generator set should carry a warranty of one year from the date of commisioning the equipment.

ژىَرَىَؤَشْوِ مَىَاىءِ:

- ءِمَىَاىءِ سَؤْءِوَرِىَّاشْرُةْوَش مَدْ: ءِرِسْةْؤَىءِوَّ ژىءِرَّ مَىَاىمْكَوَش مَدْ ژىَرَىَؤْمَوَشْوَّشْمُةْ. ءِ.مُسْ.ءِمَشْوَّ ةْدْوَر مَةَرْض، مَءِ مِةْىَر رَىَرْضَةْ مِشْسَشْوَّسِ وَىِشْ مِسىَّشْرُشْوُ.
- سَؤْءِوَرِىَّاشْرُةْوَش دْمْمَرْضْ: دْمْمَرْضْ ژىَرَىَؤَشْوَّسِ ةْرُوَرْشْوُ.
- ىَاشْؤْسِرُ دَمْدْةْرَّضْ (ىَاشْؤْسِرُ ءْىَّةْوَرِمْ، ىَاشْؤْسِرُ مَرِءِسْةْمَىءِرُ ىَّاءِ، ءِ.مُسْ.ءِ مَرِءِسْةْمَىءِ ىَّاءِ، دِدَسَمْىَاةْوَمِ ىَاشْؤْسِرُ وَىَّةْشْ دْمَّدَوَّةْ ىَاىَّشْ وَىَّةْرُ مَرَشْمَىْ، دَؤَّدْ مَءِ ؤْشْ سَرَشْمَىْ)
- سَؤْءِوَرِ ىَاىَّ ةَسَىَّةْمَىرُ ةْىَاسِىَاةْ سْؤْءِسِوِىَّاشْمَشْ
- سْةْءِىَاةْ ءْةْ ءْمُشْءِسِوِ: (ءْىَّةْؤْسَةْ مَّمِمُىْ ءْىءِةْ ءْىءِةْسَةْ سْةْءِىَاةْرُ ىَّاءِ ژىَرَمَىَؤَشْوَّشْمُةْ. سَرَدَؤْسْ سْةْءِىَاةْرُ ءْىءِةْسَةْ ءْدْءِرَدَشْةْىَمِ سْءِىَاىَرَمْوَشْ وَىَءِمِىَشْسَرَوَّمِىْ ؤْشْسَرَوَشْ وَّشْمُةْ.)

مَشْوَّسِوِسْةْىَمِ ءْزِمِشْةْمُةْ ءْةْ:

- مَدْ: 60 ءْزِمِشْةْ

(ژىَرَىَؤَ مُشْدُىَرْةْ مَدْ / ژىَرَىَؤِ مَدْ) × 60

- سْةْءِىَاةْ ءْةْ ءْمُشْءِسِوِ: 05 ءْزِمِشْةْ (ءْىَّةْؤْسَةْ مَّمِمُىْ ءْىءِةْسَةْ سْةْءِىَاةْرُ ىَّاءِ ژىَرَمَىَؤَشْوَّشْمُةْ. سَرَدَؤْسْ سْةْءِىَاةْرُ ءْىءِةْسَةْ ءْدْءِرَدَشْةْىَمِ سْءِىَاىَرَمْوَشْ وَىَءِمِىَشْسَرَوَّمِىْ ؤْشْسَرَوَشْ وَّشْمُةْ.)
- ةْىَاسِىَاةْ ىَاةْؤْشْشْةْ: 10 ءْزِمِشْةْ (ةْىَاسِىَاةْ مِوَةْمَّةْ ىَىَةْوَّسِ ىَاشْؤْسِرُ ءِىَاىَةْشْةْ مَّمِ مُةْءْمَىَشْوُ)
- مَىَاىءِ ؤْىَةْىَاشْرُةْوَش دْمْمَرْضْ (ةْرُوَسْ): 25 ءْزِمِشْةْ

(ژىَرَىَؤَ مُشْدُ ىَاىَّ دْمْمَرْضْ / ژىَرَىَؤِ دْمْمَرْضْ) × 25

مَشْوَّسِوِسْةْ ژىَرَىَؤْمَوَّسِ ءِىَرِىَمِ دِةَرَشْمَةْوَّ ءْةْمَةْ مُةْءْىَرْسْ ىَاشْؤَىَةْوُ.

ؤْشَّةْءِشْىَ ءِىَرُىَةْمَىر

ؤْسَرَىَ ئاىَرؤَرَشَوَش ءِرِدِةْ

مِةْؤَرُ سَرَشْمَىر: FNK-K(T)/FNK/IUL/2017/147

بسم الله الرحمن الرحيم

FENAKA CORPORATION LIMITED

ؤسَرَىَ ئاىَرؤَبَّرْسَوَسْ جِرِدِةْ

ثِرؤَرِبَّرْةْ

ثُىَرةْ ئاةْثُبؤىْئاسْ، 7 وَسَ ؤَسْرِؤِرَّ

رِرَّجِوَدَىْ، دَّؤَسْرْ

دَّؤُ

ةِةْ رُىُؤْوَدَسْ رَدَةْرِرَؤَرِ وَسٍ 28 ئْرَؤْوَةَىر 2017 وَّ هَسْرَّىَر ثْرَوَرْىْ 11:30 ىَرِ ؤَسَرَىَ ئاَبَّرْسَوَسْ جِرِدِةْ (ثُىَرةْ ئاةْثُبؤىْئاسْ، 7 وَسَ ؤَسْرِؤِرَّ) هْثُبِرْىْ ةَؤْسَّ ئاىَّ دَّىَرْدَىَرِ جِدَسَةْئاىَرْ هَسْرَّسِرِسَّةْ رْىَرَىَرْةْوَسْ وَىَةِىَسْسَرَّ وَىَّةْوَىَرْىْ رَّسْىِىْرْىَةْؤْ. ةِدَّ، جِ دَسَةْئاىَرْ ئاْسْثَرْةْدُدَسْ هْثِرْوَىَةِىَسْسَرَّ وَىَّةْوَىَرْىْ 28 ئْرَؤْوَةَىر 2017 وَّ هَسْرَّىَر ثْرَوَرْىْ 11:30 هَسْ هَسْرَّسِرِسَّةْ رْىَر رُىُؤْوَدُسْ هْثَرْدُؤْ.

سْرُةْ: دَةْثْرَّدَةْ وُىِرَدَ سْرْسْ ةِةْوَةْ ةَةِؤْ ئاىْدَدُىْ وُىِرَدَ هِرْوِةَّىْ ؤَسَرَىَ ئاَبَّرْسَوَسْ جِرِدِةْىَسْ جِرِةِىْسْؤْةْؤْ. هَدِرِ ةِةْ ئاْسْدُ وَدْةْوَىَةِ ةَةِؤْئاىْدُدُىْ هِرْوِةَّىْدُؤْسْ جِ ئاَبَّرْسَوَسَرْسْ جِرِةِىْسْؤْةْؤْ. جِ هِةْجَّسَّ دُىِىْسْ هِةْىْدَ دَةْثْرَّدَةْ سَّوُ ئاىْدَةْوُدَسْ دُىُةْوَّسِ سَىْدَّىْدَ هَسْثْرْسْسْ ئاْسْدُ ثْرَوَرْىْ هَرَسْةِ ىَةِىَةِ 3018124 سْرَوَهَ 3018260 سَرَسْهَىْ ؤُسْ دُثْرُؤْىِرْىْسْ ةَسْىَىر هُسْةْ ثُىِرسْ بَرِهَؤْسْ سُىْلْسَوَسَرْىْؤْ. سْرَوَهَ tender@fenaka.com.mv هَسْ هِدُهِرْؤْىْ ىَىِرةْهَّرِسْسْؤْ.

05 هَرَةِةْؤْ هَةْوَرْ 1439

23 ئْرَؤْوَةَىر 2017