Technical description of the proposed solution

The prospective vendors shall submit the following form in Table 1 for each category of RSW systems along with supporting documents as evidence of meeting the requirements proposed.

Table 1. Description of proposed RSW systems (55kw Genset)

A. DIESEL GENERATORS	No.	Description	Minimum Specifications	Proposed Specifications
Perkins, Yamma	A.	DIESEL GENERATORS		
Perkins, Yamma	1	Drand	Mitsubishi, Cummins, Deutz,	Cummins
3	1	Brand	Perkins, Yamma	
4 Voltage (V) 380/220 Volt 380 Volts 5 Number of Phases 3 Phase 3 Phase 6 Number of Wires 4 Wire 4 Wire 7 Frequency (Hz) 50 Hz 50 Hz 8 Power Factor (%) 0.8 0.8 9 Minimum Over-all Efficiency (%) for Generator 90 - 10 Overload Capacity (%) 10 10% for 1 hour 11 Dimensions of genset - - - Length: (mm) - 1900 mm - Width: (mm) - 1300 mm - Weight: (kg) - 1100 kg B. ENGINE Mitsubishi, Cummins, Deutz, Perkins, Yamma Cummins / 6BT5.9-GM83 1 Brand / Model Mitsubishi, Cummins, Deutz, Perkins, Yamma China 2 Country of Origin - China 3 Number of Cycles 4 Cycles 4 Cycles 4 Type of Governor - Electric Governor 5 Frequency Regulation (%) ± .25 - </td <td>2</td> <td>Capacity (KW)</td> <td>55 KW, 70 KW, 80 KW, 125 KW</td> <td>55 Kw</td>	2	Capacity (KW)	55 KW, 70 KW, 80 KW, 125 KW	55 Kw
5 Number of Phases 3 Phase 3 Phase 6 Number of Wires 4 Wire 4 Wire 7 Frequency (Hz) 50 Hz 50 Hz 8 Power Factor (%) 0.8 0.8 9 Minimum Over-all Efficiency (%) for Generator 90 - 10 Overload Capacity (%) 10 10% for 1 hour 11 Dimensions of genset - - - Length: (mm) - 1900 mm - Width: (mm) - 895 mm - Height: (mm) - 1300 mm - Weight: (kg) - 1100 kg B. ENGINE Mitsubishi, Cummins, Deutz, Perkins, Yamma Cummins / 6BT5.9-GM83 2 Country of Origin - China 3 Number of Cycles 4 Cycles 4 Cycles 4 Type of Governor - Electric Governor 5 Frequency Regulation (%) ± .25 - 6 Speed (rpm) 1500 rpm 1500 rpm 7 Cooling System	3	Power type	Prime	Prime
6 Number of Wires 4 Wire 4 Wire 7 Frequency (Hz) 50 Hz 50 Hz 8 Power Factor (%) 0.8 0.8 9 Minimum Over-all Efficiency (%) for Generator 90 - 10 Overload Capacity (%) 10 10% for 1 hour 11 Dimensions of genset - - - Length: (mm) - 1900 mm - Width: (mm) - 895 mm - Height: (kg) - 1300 mm - Weight: (kg) - 1100 kg B. ENGINE Mitsubishi, Cummins, Deutz, Perkins, Yamma Cummins / 6BT5.9-GM83 2 Country of Origin - China 3 Number of Cycles 4 Cycles 4 Cycles 4 Type of Governor - Electric Governor 5 Frequency Regulation (%) ± .25 - 6 Speed (rpm) 1500 rpm 1500 rpm 7 Cooling System Water Cooling by seawater Water cooling by sea water 8 </td <td>4</td> <td>Voltage (V)</td> <td>380/220 Volt</td> <td>380 Volts</td>	4	Voltage (V)	380/220 Volt	380 Volts
7 Frequency (Hz) 50 Hz 50 Hz 8 Power Factor (%) 0.8 0.8 9 Minimum Over-all Efficiency (%) for Generator 90 - 10 Overload Capacity (%) 10 10% for 1 hour 11 Dimensions of genset - - - Length: (mm) - 1900 mm - Width: (mm) - 895 mm - Height: (mm) - 1300 mm - Weight: (kg) - 1100 kg B. ENGINE - Cummins / 6BT5.9-GM83 2 Country of Origin - China 3 Number of Cycles 4 Cycles 4 Cycles 4 Type of Governor - Electric Governor 5 Frequency Regulation (%) ± .25 - 6 Speed (rpm) 1500 rpm 1500 rpm 7 Cooling System Water Cooling by seawater Water cooling by sea water 8 Fuel Consumption (ltr/hour) - 210 ±5% g/Kwh 9	5	Number of Phases	3 Phase	3 Phase
8 Power Factor (%) 0.8 0.8 9 Minimum Over-all Efficiency (%) for Generator 90 - 10 Overload Capacity (%) 10 10% for 1 hour 11 Dimensions of genset - - - Length: (mm) - 1900 mm - Width: (mm) - 895 mm - Height: (mm) - 1300 mm - Weight: (kg) - 1100 kg B. ENGINE ENGINE 1 Brand / Model Mitsubishi, Cummins, Deutz, Perkins, Yamma Cummins / 6BT5.9-GM83 2 Country of Origin - China 3 Number of Cycles 4 Cycles 4 Cycles 4 Type of Governor - Electric Governor 5 Frequency Regulation (%) ± .25 - 6 Speed (rpm) 1500 rpm 1500 rpm 7 Cooling System Water Cooling by seawater Water cooling by sea water 8 Fuel Consumption (ltr/hour) - 210 ±5% g/Kwh	6	Number of Wires	4 Wire	4 Wire
Minimum Over-all Efficiency (%) for Generator	7	Frequency (Hz)	50 Hz	50 Hz
10 Overload Capacity (%) 10 10% for 1 hour	8	Power Factor (%)	0.8	0.8
10 Overload Capacity (%) 10 10% for 1 hour	0	Minimum Over-all Efficiency	00	-
11 Dimensions of genset -	9	(%) for Generator	90	
- Length: (mm) - 1900 mm - Width: (mm) - 895 mm - Height: (mm) - 1300 mm - Weight: (kg) - 1100 kg B. ENGINE - Cummins / 6BT5.9-GM83 1 Brand / Model Perkins, Yamma Cummins / 6BT5.9-GM83 2 Country of Origin - China 3 Number of Cycles 4 Cycles 4 Cycles 4 Type of Governor - Electric Governor 5 Frequency Regulation (%) ± .25 - 6 Speed (rpm) 1500 rpm 1500 rpm 7 Cooling System Water Cooling by seawater Water cooling by sea water 8 Fuel Consumption (ltr/hour) - 210 ±5% g/Kwh 9 Aspiration Turbocharged Turbocharged 10 Construction - Open type	10	Overload Capacity (%)	10	10% for 1 hour
- Width: (mm) - 895 mm - Height: (mm) - 1300 mm - Weight: (kg) - 1100 kg B. ENGINE 1 Brand / Model Mitsubishi, Cummins, Deutz, Perkins, Yamma 2 Country of Origin - China 3 Number of Cycles 4 Cycles 4 Cycles 4 Type of Governor - Electric Governor 5 Frequency Regulation (%) ± .25 - Speed (rpm) 1500 rpm 1500 rpm 7 Cooling System Water Cooling by seawater Water cooling by sea water 8 Fuel Consumption (ltr/hour) - 210 ±5% g/Kwh 9 Aspiration Turbocharged Turbocharged 10 Construction - Open type	11	Dimensions of genset	-	
- Height: (mm) - Weight: (kg) - Cummins / 6BT5.9-GM83 - Cummins / 6BT5.9-GM83 - China - China - Weight: (kg) - Cummins / 6BT5.9-GM83 - China - Weight: (kg) - Cummins / 6BT5.9-GM83 - China - Weight: (kg) - China - Weight: (kg) - Cummins / 6BT5.9-GM83 - Cummins / 6BT5.9-GM83 - China - Speck of S		- Length: (mm)	-	1900 mm
- Weight: (kg) - 1100 kg B. ENGINE 1 Brand / Model Mitsubishi, Cummins, Deutz, Perkins, Yamma 2 Country of Origin - China 3 Number of Cycles 4 Cycles 4 Cycles 4 Type of Governor - Electric Governor 5 Frequency Regulation (%) ± .25 - 6 Speed (rpm) 1500 rpm 1500 rpm 7 Cooling System Water Cooling by seawater Water cooling by sea water 8 Fuel Consumption (ltr/hour) - 210 ±5% g/Kwh 9 Aspiration Turbocharged Turbocharged 10 Construction - Open type		- Width: (mm)	-	895 mm
B. ENGINE 1 Brand / Model Mitsubishi, Cummins, Deutz, Perkins, Yamma Cummins / 6BT5.9-GM83 2 Country of Origin - China 3 Number of Cycles 4 Cycles 4 Cycles 4 Type of Governor - Electric Governor 5 Frequency Regulation (%) ± .25 - 6 Speed (rpm) 1500 rpm 1500 rpm 7 Cooling System Water Cooling by seawater Water cooling by sea water 8 Fuel Consumption (ltr/hour) - 210 ±5% g/Kwh 9 Aspiration Turbocharged Turbocharged 10 Construction - Open type		- Height: (mm)	-	1300 mm
Brand / Model Mitsubishi, Cummins, Deutz, Perkins, Yamma Cummins / 6BT5.9-GM83		- Weight: (kg)	-	1100 kg
Perkins, Yamma Country of Origin Number of Cycles China Number of Cycles	B.	ENGINE		
Perkins, Yamma Country of Origin Number of Cycles 4 Cycles 4 Cycles 4 Cycles Type of Governor Frequency Regulation (%) Speed (rpm) Cooling System Water Cooling by seawater Water cooling by seawater Fuel Consumption (ltr/hour) Aspiration Turbocharged Turbocharged China 4 Cycles 4 Cycles Flectric Governor - Electric Governor - Usual Covernor - 210 ± 5% g/Kwh Turbocharged Turbocharged Construction Open type	1	Duand / Madal	Mitsubishi, Cummins, Deutz,	Cummins / 6BT5.9-GM83
3 Number of Cycles 4 Cycles 4 Cycles 4 Type of Governor - Electric Governor 5 Frequency Regulation (%) ± .25 - 6 Speed (rpm) 1500 rpm 1500 rpm 7 Cooling System Water Cooling by seawater Water cooling by sea water 8 Fuel Consumption (ltr/hour) - 210 ±5% g/Kwh 9 Aspiration Turbocharged Turbocharged 10 Construction - Open type	1	Brand / Model	Perkins, Yamma	
4 Type of Governor - Electric Governor 5 Frequency Regulation (%) ± .25	2	Country of Origin	-	China
5 Frequency Regulation (%) ± .25 - 6 Speed (rpm) 1500 rpm 1500 rpm 7 Cooling System Water Cooling by seawater Water cooling by sea water 8 Fuel Consumption (ltr/hour) - 210 ±5% g/Kwh 9 Aspiration Turbocharged Turbocharged 10 Construction - Open type	3	Number of Cycles	4 Cycles	4 Cycles
6 Speed (rpm) 1500 rpm 1500 rpm 7 Cooling System Water Cooling by seawater Water cooling by sea water 8 Fuel Consumption (ltr/hour) - 210 ±5% g/Kwh 9 Aspiration Turbocharged Turbocharged 10 Construction - Open type	4	Type of Governor	-	Electric Governor
7 Cooling System Water Cooling by seawater Water cooling by sea water 8 Fuel Consumption (ltr/hour) - 210 ±5% g/Kwh 9 Aspiration Turbocharged Turbocharged 10 Construction - Open type	5	Frequency Regulation (%)	± .25	-
8 Fuel Consumption (ltr/hour) - 210 ±5% g/Kwh 9 Aspiration Turbocharged Turbocharged 10 Construction - Open type	6	Speed (rpm)	1500 rpm	1500 rpm
9 Aspiration Turbocharged Turbocharged 10 Construction - Open type	7	Cooling System	Water Cooling by seawater	Water cooling by sea water
10 Construction - Open type	8	Fuel Consumption (ltr/hour)	-	210 ±5% g/Kwh
	9	Aspiration	Turbocharged	Turbocharged
11 Diesel Oil -	10	Construction	-	Open type
	11	Diesel Oil	-	

		Turbocharger, Engine-mounted Water	
		Pump, Heat Exchanger, Expansion Tank,	included
		Lubricating Oil Cooler and Filter,	- Included
		Eublicating On Cooler and Titler,	Water fuel & water oil separator
		Fuel Oil Filter, Cutouts (High and Low Water	optional
		and Oil Pressure, Over speed)	optional
		Dry-type exhaust manifold, Engine gauges	
12	Standard Equipment	(lube oil temp., water temp, lube oil pressure),	
		Electric starter, NiCad Batteries, Battery	
		Charger, Stainless steel flexible exhaust pipe	
		connector, silencer, Coupling,	Silencer optional
		Tachometer, running time meter, steel base	
		frame, Lifting brackets, Spring type vibration	
		Isolators.	
C.	ALTERNATOR		
1	Brand	Stamford, Leroy Sommer, AVK	Stamford UCM274C
2	Country of Origin	-	
3	Cap. kVA Nett. Output	-	55 Kw
4	Insulation Class	Class F and H	Class H
5	Excitation	-	
6	Speed (rpm)	1500 rpm	1500 rpm
7	Power Factor	80%	0.8 (lag)
8	Voltage Regulation (%)	\pm 0,5 (Steady State); \pm 1,0 (from NL to FL)	
9	Protection	-	
10	Characteristics	Brushless, Revolving field type, Self-exciting,	Brushless self-exciting.
		Self-regulating.	
D.	ENGINE GENERATOR		
	CONTROL		
1	Indicating Lights	Over crank lockout, Low oil pressure pre-	Battery volt monitoring, protection &
		alarm and shutdown, Overspeed shutdown,	testing, overspeed alarm & shutdown,
		High water temp, pre-alarm and shutdown	low oil pressure low warning & shut
			down, high coolant temp warning &
			shutdown, low fuel level alarm & shut
			down, battery voltage low alarm, fuel leak alarm & start failure alarm.
2	Engine control selector	Remote/Off/Run	ाटकर वावामा & डावार ग्वामां वावामा.
~	switch	Kellote/Off/Kull	
3	Muffler Pipe Insulation	-	
	- Brand	-	
	- Type	-	
	- Density	-	
	- Thickness	-	
E.	VIBRATION ISOLATOR		
1	Mounting	-	
	l S		

Table 2. Description of proposed RSW systems (70kw Genset)

No.	Description	Minimum Specifications	Proposed Specifications
A.	DIESEL GENERATORS		
1	Brand	Mitsubishi, Cummins, Deutz, Perkins, Yamma	Cummins
2	Capacity (KW)	55 KW, 70 KW, 80 KW, 125 KW	70 Kw
3	Power type	Prime	Prime
4	Voltage (V)	380/220 Volt	380 Volts
5	Number of Phases	3 Phase	3 Phase
6	Number of Wires	4 Wire	4 Wire
7	Frequency (Hz)	50 Hz	50 Hz
8	Power Factor (%)	0.8	0.8
9	Minimum Over-all Efficiency (%) for Generator	90	-
10	Overload Capacity (%)	10	10% for 1 hour
11	Dimensions of genset	-	
	- Length: (mm)	-	1920 mm
	- Width: (mm)	-	895 mm
	- Height: (mm)	-	1300 mm
	- Weight: (kg)	-	1250 kg
B.	ENGINE		
1	Brand / Model	Mitsubishi, Cummins, Deutz, Perkins, Yamma	Cummins / 6BT5.9-GM83
2	Country of Origin	-	China
3	Number of Cycles	4 Cycles	4 Cycles
4	Type of Governor	-	Electric Governor
5	Frequency Regulation (%)	±.25	-
6	Speed (rpm)	1500 rpm	1500 rpm
7	Cooling System	Water Cooling by seawater	Water cooling by sea water
8	Fuel Consumption (ltr/hour)	-	210 ±5% g/Kwh
9	Aspiration	Turbocharged	Turbocharged
10	Construction	-	Open type
11	Diesel Oil	-	

	Mounting	_	
E.	VIBRATION ISOLATOR		1
	- Thickness	-	
	- Density	-	
	- Type	-	
	- Brand	-	
3	Muffler Pipe Insulation	-	
	switch		
2	Engine control selector	Remote/Off/Run	fuel level alarm & shut down, battery voltage low alarm, fuel leak alarm & start failure alarm.
1	Indicating Lights	Over crank lockout, Low oil pressure pre-alarm and shutdown, Overspeed shutdown, High water temp, pre-alarm and shutdown	Battery volt monitoring, protection & testing, overspeed alarm & shutdown, low oil pressure low warning & shut down, high coolant temp warning & shutdown, low
D.	ENGINE GENERATOR CONTROL		
10	Characteristics	Brushless, Revolving field type, Self-exciting, Self-regulating.	Brushless self-exciting.
9	Protection	-	
8	Voltage Regulation (%)	\pm 0,5 (Steady State); \pm 1,0 (from NL to FL)	
7	Power Factor	80%	0.8 (lag)
6	Speed (rpm)	1500 rpm	1500 rpm
5	Excitation	-	
4	Insulation Class	Class F and H	Class H
3	Cap. kVA Nett. Output	-	70 Kw
2	Country of Origin	-	
1	Brand	Stamford, Leroy Sommer, AVK	Stamford UCM274D
C.	ALTERNATOR		
		Isolators.	
		frame, Lifting brackets, Spring type vibration	
		Tachometer, running time meter, steel base	
		connector, silencer, Coupling,	Silencer optional
		Charger, Stainless steel flexible exhaust pipe	
		Electric starter, NiCad Batteries, Battery	
12	Standard Equipment	(lube oil temp., water temp, lube oil pressure),	
		Dry-type exhaust manifold, Engine gauges	
		Fuel Oil Filter, Cutouts (High and Low Water and Oil Pressure, Over speed)	optional
		Lubricating Oil Cooler and Filter,	Water fuel & water oil separator
		Pump, Heat Exchanger, Expansion Tank,	niciuded
			included

Table 3. Description of proposed RSW systems (80kw Genset)

No.	Description	Minimum Specifications	Proposed Specifications
A.	DIESEL GENERATORS		
1	Brand	Mitsubishi, Cummins, Deutz, Perkins, Yamma	Cummins
2	Capacity (KW)	55 KW, 70 KW, 80 KW, 125 KW	80 Kw
3	Power type	Prime	Prime
4	Voltage (V)	380/220 Volt	380 Volts
5	Number of Phases	3 Phase	3 Phase
6	Number of Wires	4 Wire	4 Wire
7	Frequency (Hz)	50 Hz	50 Hz
8	Power Factor (%)	0.8	0.8
9	Minimum Over-all Efficiency (%) for Generator	90	-
10	Overload Capacity (%)	10	10% for 1 hour
11	Dimensions of genset	=	
	- Length: (mm)	-	2110 mm
	- Width: (mm)	-	860 mm
	- Height: (mm)	-	1360 mm
	- Weight: (kg)	-	1650 kg
B.	ENGINE		
1	Brand / Model	Mitsubishi, Cummins, Deutz, Perkins, Yamma	Cummins / 6BTA5.9-GM100
2	Country of Origin	-	China
3	Number of Cycles	4 Cycles	4 Cycles
4	Type of Governor	-	Electric Governor
5	Frequency Regulation (%)	± .25	-
6	Speed (rpm)	1500 rpm	1500 rpm
7	Cooling System	Water Cooling by seawater	Water cooling by sea water
8	Fuel Consumption (ltr/hour)	-	216 ±5% g/Kwh
9	Aspiration	Turbocharged	Turbocharged
10	Construction	-	Open type
11	Diesel Oil	-	

		Turbocharger, Engine-mounted Water	
		Pump, Heat Exchanger, Expansion	included
		Tank,	
		Lubricating Oil Cooler and Filter,	-
		Fuel Oil Filter, Cutouts (High and Low	Water fuel & water oil separator
		Water	optional
		and Oil Pressure, Over speed)	
		Dry-type exhaust manifold, Engine gauges	
12	Standard Familians	(lube oil temp., water temp, lube oil	
12	Standard Equipment	pressure),	
		Electric starter, NiCad Batteries, Battery	
		Charger, Stainless steel flexible exhaust	
		pipe	Silencer optional
		connector, silencer, Coupling,	Shencer optional
		Tachometer, running time meter, steel base	
		frame, Lifting brackets, Spring type	
		vibration	
		Isolators.	
C.	ALTERNATOR	T	T
1	Brand	Stamford, Leroy Sommer, AVK	Stamford UCM274E
2	Country of Origin	-	
3	Cap. kVA Nett. Output	-	80 Kw
4	Insulation Class	Class F and H	Class H
5	Excitation	-	
6	Speed (rpm)	1500 rpm	1500 rpm
7	Power Factor	80%	0.8 (lag)
8	Voltage Regulation (%)	± 0,5 (Steady State); ± 1,0 (from NL to FL)	
9	Protection	-	
10	Characteristics	Brushless, Revolving field type, Self-exciting, Self-regulating.	Brushless self-exciting.
D.	ENGINE GENERATOR		
	CONTROL		
1	Indicating Lights	Over crank lockout, Low oil	Battery volt monitoring, protection & testing, overspeed alarm & shutdown,
		pressure pre-alarm and	low oil pressure low warning & shut
		shutdown, Overspeed shutdown, High water temp, pre-alarm and	down, high coolant temp warning &
		shutdown	shutdown, low fuel level alarm & shut down, battery voltage low alarm, fuel
		Silutuowii	leak alarm & start failure alarm.
2	Engine control selector	Remote/Off/Run	
	switch	Romote, Oli/Ruli	
3	Muffler Pipe Insulation	-	
	- Brand	-	
	- Type	-	
	- Density	-	
	- Thickness	-	
E.	VIBRATION ISOLATOR		<u> </u>
1	Mounting	-	I
1 *	1,104114115		

Table 4. Description of proposed RSW systems (120kw Genset)

No.	Description	Minimum Specifications	Proposed Specifications
Α.	DIESEL GENERATORS		
1	Brand	Mitsubishi, Cummins, Deutz, Perkins, Yamma	Cummins
2	Capacity (KW)	55 KW, 70 KW, 80 KW, 125 KW	120 Kw
3	Power type	Prime	Prime
4	Voltage (V)	380/220 Volt	380 Volts
5	Number of Phases	3 Phase	3 Phase
6	Number of Wires	4 Wire	4 Wire
7	Frequency (Hz)	50 Hz	50 Hz
8	Power Factor (%)	0.8	0.8
9	Minimum Over-all Efficiency (%) for Generator	90	-
10	Overload Capacity (%)	10	10% for 1 hour
11	Dimensions of genset	-	
	- Length: (mm)	-	2110 mm
	- Width: (mm)	-	860 mm
	- Height: (mm)	-	1360 mm
	- Weight: (kg)	-	1700 kg
В.	ENGINE		
1	Brand / Model	Mitsubishi, Cummins, Deutz, Perkins, Yamma	Cummins / 6CTA8.3-GM155
2	Country of Origin	-	China
3	Number of Cycles	4 Cycles	4 Cycles
4	Type of Governor	-	Electric Governor
5	Frequency Regulation (%)	± .25	-
6	Speed (rpm)	1500 rpm	1500 rpm
7	Cooling System	Water Cooling by seawater	Water cooling by sea water
8	Fuel Consumption (ltr/hour)	-	205 ±5% g/Kwh
9	Aspiration	Turbocharged	Turbocharged
10	Construction	-	Open type
11	Diesel Oil	-	

		Turbocharger, Engine-mounted Water	
			included
		Pump, Heat Exchanger, Expansion Tank,	metuded
		Lubricating Oil Cooler and Filter,	-
		Fuel Oil Filter, Cutouts (High and Low Water	Water fuel & water oil separator optional
		and Oil Pressure, Over speed)	
		Dry-type exhaust manifold, Engine gauges	
12	Standard Equipment	(lube oil temp., water temp, lube oil pressure),	
		Electric starter, NiCad Batteries, Battery	
		Charger, Stainless steel flexible exhaust pipe	
		connector, silencer, Coupling,	Silencer optional
		Tachometer, running time meter, steel base	
		frame, Lifting brackets, Spring type vibration	
		Isolators.	
C.	ALTERNATOR		
1	Brand	Stamford, Leroy Sommer, AVK	Stamford UCM274F
2	Country of Origin	-	
3	Cap. kVA Nett. Output	-	120 Kw
4	Insulation Class	Class F and H	Class H
5	Excitation	-	
6	Speed (rpm)	1500 rpm	1500 rpm
7	Power Factor	80%	0.8 (lag)
8	Voltage Regulation (%)	± 0,5 (Steady State); ± 1,0 (from NL to FL)	
9	Protection	-	
10	Characteristics	Brushless, Revolving field type, Self-exciting, Self-regulating.	Brushless self-exciting.
D.	ENGINE GENERATOR CONTROL		
1	Indicating Lights	Over crank lockout, Low oil pressure pre-alarm and shutdown, Overspeed shutdown, High water temp, pre-alarm and shutdown	Battery volt monitoring, protection & testing, overspeed alarm & shutdown, low oil pressure low warning & shut down, high coolant temp warning & shutdown, low fuel level alarm & shut down, battery voltage low alarm, fuel leak alarm & start failure alarm.
2	Engine control selector switch	Remote/Off/Run	
3	Muffler Pipe Insulation	-	
	- Brand	-	
	- Type	-	
	- Density	-	
	- Thickness	-	
E.	VIBRATION ISOLATOR		Page 11 24
1	Mounting	-	