

RETUNABLE SECTION

C1037-002-EE-005

**GENERATOR SET - SCHEDULES OF INFORMATION
SCHEDULE**

TRANSNET PROPERTY
SCHEDULES OF INFORMATION
DAYWORK SCHEDULE

The Schedule below shall show rates (exclusive of VAT) which shall apply to any day work ordered by the *Project Manager* Payment shall be made at the rates entered in the Schedule, which shall include P&G, overheads, profit and escalation of costs. These rates shall be fixed for the duration of the contract.

LABOUR

The rates for labour in Day works shall be applied to the hours worked and shall include for the cost of labour, overheads, profit, all levies, bonuses, leave pay, **including full supervision** and the use of all tools. The labour rates offered shall not be less than the minimum hourly rates prescribed by the Department of Labour.

CATEGORY OF LABOUR	NORMAL TIME (40 Hour Week) R/Hour	OVERTIME RATE 1 Outside normal hours (workdays & Saturdays) R/Hour	OVERTIME RATE 2 Sundays and Public Holidays R/Hour
a) Installation Electrician			
b) Artisan			
c) Elconop III			
d) Elconop II			
e) Elconop I			
f) Commissioning Engineer			
g) Labourer			
h) Other (Specify)			
i) Other (Specify)			

Time sheets specifying the time spent daily upon the work (with the names of the workmen) and the materials employed in Day works, shall be delivered for signing to the TNPA's Representative/ (Consultant) or his site representative daily, failing which the Employer shall have no liability in respect thereof.

TRANSPORT

The transport rates offered may not exceed the recommended rates prescribed by the Automobile Association of SA.

0-0.5 tonne vehicle	R/km - _____
0.5-1 tonne vehicle	R/km - _____
1-3 tonne vehicle	R/km - _____
> 3 tonne vehicle	R/km - _____

**EQUIPMENT (SPECIFY RATINGS OFFERED IF NOT INCLUDED IN LABOUR RATE) –
PRICES INCLUSIVE OF FUEL AND CONSUMABLES.**

Diesel and Electric Welding Machine	R/hr
Compressor	R/hr
Mobile Crane	
_____	R/hr
_____	R/hr
_____	R/hr
Oxygen/Acetylene Unit	R/hr
Other:	
_____	R/hr

MATERIALS AND SPECIALIST LABOUR

Materials and specialist labour shall be charged at nett cost, plus a percentage increase for profit, procuring, taking delivery and safe keeping. These costs shall be substantiated with invoices complete with delivery notes.

% on proven net cost: 10 %

SIGNATURE: _____

DATE: _____

The Project Manager may, if he / she considers that the above rates are unreasonable request their amendment prior to acceptance of the tender.

**SCHEDULE OF EQUIPMENT
EMERGENCY GENERATOR SET**

TO BE COMPLETED FOR EACH MAKE OF NEW PLANT

1. ENGINE

- 1.1. Manufacturer's Name : _____
- 1.2. Country of Origin : _____
- 1.3. Model Number : _____
- 1.4. Continuous Sea Level Rating after allowing
for Ancillary Equipment : _____ kW
- 1.5. Percentage Derating for Site Conditions in
accordance with BS 5514 : _____
 - (a) For Altitude : _____
 - (b) For Temperature : _____
 - (c) For Humidity : _____
 - (d) Total Derating : _____
- 1.6. Guaranteed Nett Output on Site : _____ kW
- 1.7. Nominal Speed : _____ RPM
- 1.8. Number of Cylinders : _____
- 1.9. Strokes per Working Cycle : _____
- 1.10. Swept Volume : _____
- 1.11. Fuel Consumption of the Complete
Generating Set on Site in kg/h/kW of
Alternator output at:
 - (a) Full Load : _____
 - (b) 3/4 Load : _____
 - (c) 1/2 Load : _____

NOTE: A tolerance of 5% shall be allowed above the stated values of fuel consumption.

- 1.12. Method of Cooling : _____
- 1.13. Type of Radiator if Water Cooled : _____
- 1.14. Method of Protection against
High Temperature : _____
- 1.15. Method of Protection against Low
Oil Pressure : _____
- 1.16. Minimum Time required for Assumption of

	Full Load	:	_____
1.17.	Are Performance Curves attached?	:	_____
1.18.	Make of Fuel Pump	:	_____
1.19.	Make of Fuel Filters	:	_____
2.	Fuel Tank (Day Tank)		
2.1.	Capacity	:	_____ litres
2.2.	Overall Height of Tank	:	_____ mm
2.3.	Overall Width of Tank	:	_____ mm
2.4.	Overall Length of Tank	:	_____ mm
3.	Fuel Tank (Bulk Storage Tank)		
3.1.	Capacity (litres)	:	<u>N/A</u> _____
3.2.	Overall Height of Tank (mm)	:	<u>N/A</u> _____
3.3.	Overall Width of Tank (mm)	:	<u>N/A</u> _____
3.4.	Overall Length of Tank (mm)	:	<u>N/A</u> _____

4. **Alternator**

- 4.1. Manufacturer's Name : _____
- 4.2. Country of Origin : _____
- 4.3. Output Power (Full Load) : _____ kVA
- 4.4. Nominal Speed : _____ rpm
- 4.5. Type of Enclosure : _____
- 4.6. Class of Insulation : _____
- 4.7. Phase-Phase Voltage : _____
- 4.8. Max. Full Load Current : _____
- 4.9. Efficiency at specified P.F.
and
 - (a) Full Load : _____
 - (b) 3/4 Load : _____
 - (c) 1/2 Load : _____

5. **Automatic Mains Failure Panel**

- 5.1. Manufacturer's Name : _____
- 5.2. Country of Origin : _____
- 5.3. Type of Board: : _____
- 5.4. Main Busbar Size : _____
- 5.5. Make of Volt, Amp and Frequency Meters : _____
- 5.6. Ratio of Current Transformers : _____
- 5.7. Make of Hour Meter : _____
- 5.8. Rupturing Capacity : _____

6. **Dimensions of Generator Set**

6.1. Overall Length : _____mm

6.2. Overall Width : _____mm

6.3. Overall Height : _____mm

6.4. Overall Weight : _____mm

6.5. Minimum Recommended Dimensions for Generator Room:

Length : _____m

Width : _____m

Height : _____m

7. **Battery**

7.1. Maker's Name : _____

7.2. Type of Battery : _____

7.3. Voltage of Battery : _____

7.4. Number of Cells : _____

7.5. Capacity : _____

NOTE: Under no circumstances will the tenderer be permitted to deviate from the materials specified above unless agreed in writing, by the *Project Manager*, prior to award of tender.

DATE: _____

SIGNATURE OF: _____

SPARE PARTS LIST

Tenderers shall complete the following schedule, listing and pricing all plant parts which are likely to require regular replacement and giving the Tenderers recommendation as to the stocks of spares that should be held by the owner. Unless otherwise stated prices shall be deemed to be inclusive of VAT and shall hold good for the duration of the Contract.

PLANT ITEM	SPARE PART DESCRIPTION	RECOMMENDED STOCKS	PRICE EACH DELIVERED TO WORKS
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

SIGNATURE: _____

DATE: _____