

SECTION M : BILL OF QUANTITIES

BILL OF QUANTITIES

PREAMBLE TO BILL OF QUANTITIES

Items and Pricing

The Department reserves the right to place an order for any quantities of items included in the Schedules. The Bill of Quantities must also not be assumed to include and describe every detail of the supply requirement, but must be taken and read in conjunction with the other parts of the document. Thus the supplier shall not have claim for further payment in respect of any order which may be described or implied in the contract, although apparently no corresponding items are given in the Bill of Quantities. The supplier shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the contract and of the rates and prices stated in the Bill of Quantities.

Tax and Duties

Prices, tendered and paid, must include all customs, excise and import duties, and any other tariffs or taxes levied by the government or statutory body having jurisdiction on the goods provided under this contract, **including Value Added Tax (applicable to the current rate)**.

Rates

Except where provision is made in the Bill of Quantities, the rates and prices inserted shall be the full rates and prices for the service delivered described under the respective items and shall cover all labour, transport, overhead charges and profit, etc. as well as the general liabilities, obligations and risks arising out of the Conditions of Contract, the overhead charges and profit being spread proportionately over the rates of the relative items in the Bill of Quantities.

PURCHASE 16 PORTABLE STANDBY DISASTER MANAGEMENT GENERATOR SETS

BILLS OF QUANTITIES

The Quantities measured in the Bill are PROVISIONAL and are subject to remeasurement at completion of the works.

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
SUPPLY DELIVER & COMMISSION					
2.3.1	Supply, delivery to site a 630 kVA 400/230-volt outdoor canopy (3CR12) type generator set, including Deep Sea 7320 generator controller together with DSE WebNet DSE890 Gateway complete with a GPS antenna and GSM antenna installed within the generator set, complete with a data SIM card. Including 1000L self-bunded Base tank.	3	Each		
2.3.2	Supply, delivery to site a 500 kVA 400/230-volt outdoor canopy (3CR12) type generator set, including Deep Sea 7320 generator controller together with DSE WebNet DSE890 Gateway complete with a GPS antenna and GSM antenna installed within the generator set, complete with a data SIM card. . Including 1000L self-bunded Base tank.	4	Each		
2.3.3	Supply, delivery to site a 300 kVA 400/230-volt outdoor canopy (3CR12) type generator set, including Deep Sea 7320 generator controller together with DSE WebNet DSE890 Gateway complete with a GPS antenna and GSM antenna installed within the generator set, complete with a data SIM card. . Including 1000L self-bunded Base tank.	2	Each		
2.3.4	Supply, delivery to site a 250 kVA 400/230-volt outdoor canopy type (3CR12) generator set, including Deep Sea 7320 generator controller together with DSE WebNet DSE890 Gateway complete with a GPS antenna and GSM antenna installed within the generator set, complete with a data SIM card. . Including 1000L self-bunded Base tank.	2	Each		
2.3.5	Supply, delivery to site a 150 kVA 400/230-volt outdoor canopy type (3CR12) generator set, including Deep Sea 7320 generator controller together with DSE WebNet DSE890 Gateway complete with a GPS antenna and GSM antenna installed within the generator set, complete with a data SIM card. . Including 1000L self-bunded Base tank.	1	Each		
2.3.6	Supply, delivery to site a 100 kVA 400/230-volt outdoor canopy type (3CR12) generator set, including Deep Sea 7320 generator controller together with DSE WebNet DSE890 Gateway complete with a GPS antenna and GSM antenna installed within the generator set, complete with a data SIM card. . Including 1000L self-bunded Base tank.	2	Each		
2.3.7	Supply, delivery to site a 60 kVA 400/230-volt outdoor canopy type (3CR12) generator set, including Deep Sea 7320 generator controller together with DSE WebNet DSE890 Gateway complete with a GPS antenna and GSM antenna installed within the generator set, complete with a data SIM card. . Including 1000L self-bunded Base tank.	2	Each		
DEEP SEA CONTROLLER - SYNCHRONOUS FUNCTIONALITY					
2.3.8	Supply, delivery and install additional Deep Sea 7320 generator controller onto: - 1x 630kVA Genset - 2x 500kVA Gensets - 1x 300kVa Genset These controllers are to be wired and configured for synchronous capability to control each pair of gensets as stipulated in the specifications. This configuration is to include terminal boxes on each of the four generating sets to comply with the synchronous functionality . Termination points to be fixed within the control panel via busbars.	4	Each		
Carry over to Price Page - PS 1			R		0

CABLE WORKS					
2.3.9	Manufacture, supply and deliver new suitably rated cables for each of the generators: *The quantity shown in this BoQ refers to the NUMBER OF SETS for each for each generator set and NOT the total length of cable required for each generator.				
	630 kVA 400V, 50Hz, Diesel Standby Generator Set. No less than 900A/phase. Set of 8 cables (20m)	3	Set		
	500kVA 400V, 50Hz, Diesel Standby Generator Set. No less than 700A/phase. Set of 8 cables. (20m)	4	Set		
	300kVA 400V, 50Hz, Diesel Standby Generator Set. No less than 450A/phase. Set of 8 cables. (20m)	2	Set		
	250kVA 400V, 50Hz, Diesel Standby Generator Set. No less than 400A/phase. Set of 8 cables. (20m)	2	Set		
	150kVA 400V, 50Hz, Diesel Standby Generator Set. No less than 250A/phase. Set of 8 cables. (20m)	1	Set		
	100kVA 400V, 50Hz, Diesel Standby Generator Set. No less than 175A/phase. Set of 8 cables. (20m)	2	Set		
	60kVA 400V, 50Hz, Diesel Standby Generator Set. No less than 100A/phase. Set of 8 cables. (20m)	2	Set		
	Provision for Cable compartment for generators	16	Each		
ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
PURCHASE 16 PORTABLE STANDBY DISASTER MANAGEMENT GENERATOR SETS					
2.3.10	Manufacture, supply, deliver and store suitably rated diesel pipework within the canopy or within a designated compartment. *Each set to include all fittings necessary to tie into any/all existing bulk or day tanks	320	m		
2.3.11	Supply and delivery of portable 20/25 litre fuel cans ("jerry cans" designed to contain fuel) for testing of generator sets in the absence of bulk tanks. Fuel tanks/drums should be mounted and locked onto 5 (five) genset canopies)	5	Each		
2.3.12	Provision for fuel pipe compartment for generators	16	Each		
2.3.13	Manufacture, supply and store suitably rated portable earth kit within the canopy or within a designated compartment designed for the cables.	16	Each		
2.3.14	Provision for portable earth kit compartment for generators	16	Item		
2.3.15	Manufacture, supply, deliver and store anti vibration pads within the canopy or within a designated compartment designed for the cables.	96	Item		
2.3.16	Provision for set of anti-vibration pads compartment for generators	16	Each		
2.3.17	Supply, deliver and store fire suppression equipment within the canopy or within a designated compartment designed for the cables.	16	Each		
2.3.18	Provision for fire suppression equipment compartment for generators	16	Each		
Carry over to Price Page - PS 2			R		

TRAILERS - 60kVA & 100kVA					
2.3.19	The following generators to be placed/fixed onto suitably capable trailers for ease of transportation: 2 x 100 kVA 400V, 50Hz, Diesel Standby Generator Set 2 x 60 kVA 400V, 50Hz, Diesel Standby Generator Set Manufacture, supply, deliver trailers for aforementioned gensets.	4	Each		
2.3.20	Provision for specialized petrochemical installation Contractor in accordance with SABS 0131 Part 2/1979 and SABS 089 Part 3/1991 for diesel tanks construction.	1	Item		
2.3.21	Provide Trailer licensing for 36 months for FOUR trailers	4	Each		
Carry over to Price Page - PS 3			R		

PURCHASE 16 PORTABLE STANDBY DISASTER MANAGEMENT GENERATOR SETS

C2.3 BILLS OF QUANTITIES

The Quantities measured in the Bill are PROVISIONAL and are subject to remeasurement at completion of the works.

ITEM	DESCRIPTION	QTY	UNIT	RATE	TOTAL
GENERAL					
2.3.22	Electrical compliance certificate	16	Each		
2.3.23	O & M manuals – 3 sets per unit.	16	Each		
2.3.24	Supply As built drawings: standby genset arrangement and wiring diagram. Displayed and mounted within transparent enclosure upon canopy control panel door.	16	Each		
2.3.25	Servicing of 16 diesel generators during the 36 month guarantee period including fuel remediation if necessary. Serving intervals shall be 6 months. Refer to Annexure 9 .	1	Each		
2.3.26	Provision for repairs during the maintenance & repair period. Contractor to provide rates for bought out items, travel and subsistence, labour rates i.e. any /all rates applicable to the repair of the gensets in the event of a failure. (Rates to include after hours and weekends) Refer to and COMPLETE Annexure 10: Call-Outs & Breakdown rates ZNB 5031		Provisional Sum		3 000 000
2.3.27	Strip and assess all gensets stored within Wentworth Hospital Strategic Spares Stores. - Provide report on all existing gensets with recommendations to: a) salvage spares, b) refurbish or c) dispose	1	Item		
2.3.28	Relocate/Rearrange existing gensets in order of functionality/reliability & age so as to ensure sufficient space available for 16 new gensets. IN accordance with approved report above.	1	Item		
2.3.29	Supply and delivery of type HA1 padlocks with keys.	64	Each		
2.3.30	Supply and install new labelling in accordance with the DoH Policy document.	1	Item		
Carry over to Price Page - PS 4			R		

SECTION N : OFFICIAL PRICE

DESCRIPTION: SUPPLY AND DELIVERY OF 16 GENSET PORTABLE GENERATORS (WENTWORTH HOSPITAL)

MAINTENANCE AND TRANSPORTATION OF GENERATORS (AS AND WHEN REQUIRED) FOR A PERIOD OF 3 YEARS

PART 1 - SUPPLY AND DELIVERY OF 16 GENSET PORTABLE GENERATORS (WENTWORTH HOSPITAL)

PART 2 (1ST YEAR, 2ND YEAR, 3ND YEAR) MAINTENANCE AND DELIVERY

N.B.: This form must be completed in detail signed by the Bidder and bears the signature of a witness.

Failure to comply with these requirements may result in the bid being disregarded.

CLOSING DATE AND TIME: _____ at 11:00.
VALIDITY PERIOD: 12 WEEKS

BID/CONTRACT NO: ZNB ___5031/2022-H_____ PERIOD: ___84 DAYS_____

**PURCHASE 16 PORTABLE STANDBY DISASTER
MANAGEMENT GENERATOR SETS -**

**SERVICE & MAINTENANCE AND TRANSPORTATION OF GENSETS FOR 36
MONTHS**

**NAME AND ADDRESS OF
BIDDER(FIRM)**

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TEL:

	FAX:
DOES OFFER COMPLY WITH THE SPECIFICATION? <i>If not, furnish details of deviation in space provided for "Remarks"</i>	YES/NO <i>(Delete which is not applicable)</i>
CONTRACT EXECUTION PERIODweeks/months
CARRIED OVER FROM SCHEDULE OF PRICES PS 1	
	PS 2
	PS 3
	PS 4
Subtotal : PS 1 to PS 4	
VALUE ADDED TAX @ 15% (Rate applicable on date of submission of Bidder)	R
TOTAL BID PRICE	R
REMARKS (If any):	<p>.....</p> <p style="text-align: center;">(Signature of Bidder)</p> <p>DATE:</p> <p>.....</p> <p style="text-align: center;">(Signature of Witness)</p> <p>DATE:</p>