



GAUTENG: SUPER HUB-JET PARK

ELECTRICAL REPAIRS AND UPGRADES

NAME OF CONTRACTOR

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ELECTRICAL REPAIRS AND UPGRADES
GAUTENG: SUPER HUB-JET PARK

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GENERAL NOTES

- 1 This Bill of Quantities will form the base to supply and repair electrical work at **Super Hub**
- 2 The removal and replacement of materials and / or workmanship that do not conform to specification shall not constitute grounds for extension of the contract period.
- 3 Responsible person at the South African Post Office during the contract period will be: Properties
- 4 Site of work to be done: 8 Rudo Nel Road Jet Park Boksburg
- 5 Estimated repair period 3 weeks
- 6 The rates of all items in this bill shall include all manufacturing, delivery and installation costs, excluding VAT.
- 7 This bill is not divided into trades and the rate for each item described shall include all trades related to the specific item.
- 8 In all cases the supplier shall ensure that the amount of his quotation incorporates all statutory taxes, duties and levies and that nothing but value added tax (V.A.T) remains to be added thereto.
- 9 Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (V.A.T).
- 10 All work must adhere to SANS 10-400 NBR and Local Authority standards and regulations
- 11 The Electrical installation must adhere to the SABS 0142 and in accordance with the ECB code of conduct.
- 12 The Contractor must adhere to the Occupational Health and Safety Act, 1993(Act No 85 of 1993) Construction Regulations 2014 (As Amended)

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GENERAL INSTRUCTION

NOTES:

- 1 The tenderer shall provide for all costs required for his establishment on the site of the post office.
- 2 The successful tenderer shall at all times during the contract period adhere to the requirements of the Post Office to minimise the disturbance to Post Office clients and staff.

The tenderer shall administer the project and adhere to the OSH Act requirements, Keeping all the relevant Occupational Health & Safety Documentation, including a visitors register, on Site at all times
- 3
- 4 The tenderer shall Provide the Post Office with a Risk Analysis, Safety plan and work schedule.
- 5 The tenderer shall Provide the Post Office with proof of registration at the Department of Labour and proof of registration with Workman's Compensation (**COIDA**)
- 6 **Technical Gatekeeping Criteria:** Contractors must be CIDB registered. **Minimum 2EB & 2EP**
The Contractor must adhere to the Occupational Health and Safety Act, 1993(Act No 85 of 1993)
- 7 Construction Regulations 2014 (As Amended)

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PRELIMINARIES & GENERAL

NOTES:

- 1 The rates of all items in this bill shall include manufacturing-, delivery- and installation or application costs, excluding VAT.

		No	UOM	Rate	Amount
1	Preliminaries and General				
1.1	Occupational Health & Safety				
1.1.1	Contractor must provide a safety file all in accordance to the Occupational Health and Safety Act, 1993(Act No 85 of 1993) Construction Regulations 2014 (As Amended)	1	No	R	R
1.1.2	Supply and erect mobile /wheeled scaffolding or hoist machine (16m cherry picker ,suitable & certified for working at heights guidelines and occupational health & Safety Act.	1	Sum	R	R
Notes	1. The safety file must be kept on site for the duration of the contract.				
Preliminaries & General work carried to summary					R

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ALTERATIONS

- 1 The rates of all items in this bill shall include manufacturing-, delivery- and installation or application costs, excluding VAT.

		No	UOM	Rate	Amount
2	Alterations				
2.1	Safely remove and make good exposed unshielded/ unsafe wiring from LV panel to light fittings & plug points throughout the warehouse floor (As shown on site, wiring to fittings and plugs)	1	Sum	R	R
2.2	Remove and cart away from site unshielded flourescent 1200mm x 600mm light fittings and cabling. Suppliers must NOT leave flourescent tubes on site.	1	Sum	R	R
Alterations Carried over to Summary					R

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ELECTRICAL WORK

- 1 The rates of all items in this bill shall include manufacturing-, delivery- and installation or application costs, excluding VAT.

		No	UOM	Rate	Amount
3	Electrical work				
3.1	Electrical Reticulation				
3.1.1	Tap in from LV panel and reticulate to new three phase Sub-DB cable feed on a dedicated wire tray. Cable must be suitable to distribute balanced load to the two sub-dbs as specified below.	100	m	R	R
3.1.2	Connect from Sub-DB 1 to Sub-DB 2 using a suitable cable for a balance load between the DBs, spaced evenly for quick access and reticulated in a 20mm PVC conduit with all bends, turns and accessories: adaptors, couplings, clips.	100	m	R	R
3.1.3	Supply and install three phase 24 way steel (Orange or White) Sub-Db. connected to the LV panel as specified 3.1.1 including labelling and blanks for future upgrades.	1	No	R	R
3.1.4	Supply and install single phase 18 way steel (White) Sb-Db. 2 connected to sub-Db. 1 including labelling and blanks for future upgrades.	1	No	R	R
3.1.5	Supply and install breakers equally distributed to two sub dbs. specified above for internal lights, external flood lights and plugs, earth leakage. Wiring from distribution board to plugs points ,lights fittings and switches wherein 12 wall plugs 22 dedicated,22 white plugs and 100 operational floor lights including 18 spot facade lights will feeding from distribution board . DB must provide 20% space capacity allowance for additional breaker to be installed in future. The electrician must determine the number of circuit breaker per circuit as per specified points. 20A for plugs, 16A for lights	55	No	R	R
3.1.6	Supply and install 63A Mains breaker per Sub-Db.	2	No	R	R

3.1.7	Supply and install 63A Earth leakage breaker per Sub-Db.	2	No	R	R
3.1.8	Supply and install suitable SABS approved wiring, Earth cable from Sub DBs to sockets as specified above.	1200	m	R	R
3.1.9	Supply and install PVC surface mount conduits from sub DBs to power skirting to sockets as specified above. Allow for bends, turns and all accessories .i.e. adaptors, couplings, clips.	1200	m	R	R
3.1.10	Upgrade LV panel for installation of new sub-DBs and related cabling.	1	Sum	R	R
3.1.11	Supply and install surface mount single light switches	8	No	R	R
3.1.12	Supply and install double wall mounted plugs	12	No	R	R
3.1.13	Supply and install normal plugs, white fitted with all accessories, functional 20mm PVC conduit box 60mm round x 25mm deep on surface cover, 20mm PVC conduit ends complete with locknut and brush, galvanised draw wires installed in conduits and cable, red, black earth bare copper. Normal single socket to be installed in power skirting. (Operational floor)	22	No	R	R
3.1.14	Supply and install dedicated plugs, Red fitted with all accessories, functional 20mm PVC conduit box 60mm round x 25mm deep on surface cover, 20mm PVC conduit ends complete with locknut and brush, galvanised draw wires installed in conduits and cable, red, black earth bare copper. Dedicated single socket to be installed in power skirting. (Operational Floor)	22	No	R	R
3.1.15	Supply and install CAT6 Data line & Draw wire for LAN (Data) Points from router box to work stations cabling length approximately 70m (includes 20mm PVC conduit and galvanised draw wires installed in power skirting (Operational floor)	7	No	R	R

3.1.16	Supply and install three compartment power skirting P03,securely mounted on the floor including all accessories , cover; end caps, bend etc. (Operational floor)	30	Im	R	R
3.2	Lighting				
3.2.1	Supply and install 5FT Double open channel LED Fitting for 2 x T8/3Ft Tube complete with cabling from the sub-DBs	100	No	R	R
3.2.2	Supply and install bathroom light globes to match the existing complete with light fittings as per site inspection	15	No	R	R
3.2.3	Supply and install WACO 100w high powered LED lamp 150 -260V Code J0001678 or similar approved by SABS complete with fittings (Operational floor)	30	No	R	R
3.2.4	Supply and install spot facade lights equivalent to 500 watt to match the existing complete with light fittings,cover,chocolate block etc. as per site inspection	18	No	R	R
3.3	Compliance				
3.3.1	Upon completion provide COC for the Sub-DBs and LV Panel	3	No	R	R
Electrical work carried to summary					R

**BUILDING AND ELECTRICAL REPAIRS
SUPER HUB**

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ADDITIONAL

- 1 The rates of all items in this bill shall include manufacturing-, delivery- and installation or application costs, excluding VAT.

		UOM	Quantity	Material and Labour Price in Rand (Excl VAT)	Total
	Additional Items : On site Contractor Briefing				
Item	Item Description				
1					
2					
3					
Additional Item work carried to summary					R

NAME OF CONTRACTOR:

BUILDING AND ELECTRICAL REPAIRS

SUPER HUB

SUMMARY			
BUILDING NAME		SUPER HUB/ XPS	
SITE LOCATION		Jet Park	
City/Municipality		Erkuruleni Municipality	
Street Address		No.8 Rudo Nel Road Jet Park Boksburg	
GPS Co-ordinates			
EXPECTED PERIOD		4	Weeks
SUMMARY		Item	Amount (R.c.)
BILL			
1	PRELIMINARIES AND GENERAL	1	R
2	ALTERATIONS	2	R
3	ELECTRICAL	3	R
4	ADDITIONAL	4	
(i)	SUMMARY	5	
SUB-TOTAL			R
ADD VAT @ 15%			R
TOTAL carried to Tender form			R