

**VUT_CONCRETE LABS AT BLOCK R
HVAC P's G's**

VUT_CONCRETE LABS AT BLOCK R: HVAC Bill No. 1 : SITE ESTABLISHMENT AND P&G's		HVAC Installation			
The contractor may choose to not include a cost for All the below items. Be advised that no variation orders may be claimed for items present but not originally priced in the BOQ.					
1	SITE ESTABLISHMENT	sum	sum	Total	
1,1	Camp and fencing	sum	1		
1,2	Office	sum	1		
1,3	Office Equipment	sum	1		
1,4	Store	sum	1		
1,5	Workshop	sum	1		
1,6	Other	sum	1		
2	ADMINISTRATIVE				
2,1	Site personnel	sum	1		
2,2	Supervisory staff	sum	1		
2,3	Name Tags, Personal Protective Equipment (Guards Provided by Client)	sum	1		
2,4	Transport	sum	1		
2,5	Insurance	sum	1		
2,6	Cost of Guarantee	sum	1		
2,7	Financing of Retention	sum	1		
2,8	Running costs e.g. telephone, electricity, cleaning, services, printing, stationery, etc.				
3	GENERAL COSTS				
3,1	Allow an amount if required for expenses incurred to tender.	sum	1		
3,2	Loading and off loading of material and equipment	sum	1		
3,3	Setting out of Works.	sum	1		
3,4	Cleaning of site upon completion of Contract.	sum	1		
3,5	Critical Path/Schedule.	sum	1		
3,6	Issuing Cadded Workshop drawings	sum	1		
3,7	Issuing 3 sets of "As-built" drawings and operational manuals including CD as per specifications	sum	1		
3,8	Testing, Commissioning and proper start up of entire HVAC installations	sum	1		
3,10	Inspection and handing over.	sum	1		
3,11	12 Month maintenace contract for full services and repair/replacement of installed equipment to comply fully with mechanical specifications and all local and national regulations, for 4 times per year unless rrquired otherwise by the Client or the Mechanical Engineer for all new HVAC equipment	No	1		
3,12	Scaffolding, ladders, lifting and rigging equipment in line with project requirements including all statutory requirements such as OHSA and all related codes of practice. To ensure that all the HVAC and Refrigeration equipment in the buildings under this project is set in place properly, securely and safely.	No	1		
4	COMPLIANCE				
4,1	Allow for complying with the conditions & requirements of tendering & contract conditions including OHSA	sum	1		
4,2	Allow for any other items to complete installation as per specification	Sum	1		
5	REMOTE LOCATION OF SITE				
5,1	Allow for remote location of site in Gauteng for all the below items, foreseen and unforeseen	sum	1		
5,2	Allow for relocation of staff for contract period if required	sum	1		
5,3	Delivery of all equipment for duration of contract project	sum	1		
5,4	Transportation of staff for duration of contract period	sum	1		
5,5	Allow for any other costs due to remote location of site	sum	1		
TOTAL CARRIED FORWARD TO SUMMARY PAGE 1 (excl VAT)				R	-

**VUT_CONCRETE LABS AT BLOCK R
HVAC BOQ**

VUT_CONCRETE LABS AT BLOCK R: HVAC					
Bill No. 2: HVAC INSTALLATION					
* "Rate" includes material, delivery & installation labour.					SYDWALT
NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>GROUND FLOOR</u>				
	<u>Laboratory_R010</u>				
	<u>Remove, Store and Re-install DX Split Units</u>				
1	Existing DX Split Units (Carrier and Jet Air): temporary decommission, remove, safely store, high pressure hoses de-rust and thoroughly clean the equipment, install new refrigerant piping, ragas, condensate piping, ensure operational and in good working order of the re-installed DX Split Units c/w existing /or new remote controllers, service, testing and commission as per manufacturer's specification. Ensure that outdoor are re-installed such that they have adequate ventilation as per manufacturer's specification. All units shall be certified to be working in the original optimum level by VUT and the engineer	No	4		R -
	<i>Total carried to Summary</i>				R -

**VUT_CONCRETE LABS AT BLOCK R
HVAC SUMMARY**

ITEM	VUT_CONCRETE LABS AT BLOCK R_HVAC BOQ SUMMARY	AMOUNT
A	VUT_CONCRETE LABS AT BLOCK R	
1	HVAC SERVICES BILL	
B	P & Gs	
	Sub Total 1	
	Contingencies @ 5%	
	Sub Total 2	
	VAT at 15%	
Total Estimate, including VAT		