

Item	Description	Qty	Unit	Rate	Amount R
	<u>BILL No 1</u>				
	<u>SECTION 1: PRELIMINARY AND GENERAL</u>				
	<u>A-1 FIXED-CHARGED ITEMS</u>				
A-1.1.1	Contractual Requirements	1	sum		
A-1.1.2	Facilities required by Engineer	1	sum		
A-1.1.3	General responsibilities and other fixed charge obligations	1	sum		
A-1.1.6	Notice Board	1	sum		
	<u>A-1.2 TIME-RELATED ITEMS</u>				
A-1.2.1	Contractual requirements				
A-1.2.2	Facilities for Engineer (Site Office, ablution, etc)	1	sum		
A-1.2.3	Facilities for Contractor (Storage facilities, water, electricity, etc)	1	sum		
A-1.2.4	General responsibilities and other time related obligations	1	sum		
A-1.2.5	Locate and protect services	1	sum		
	<u>A-1-3 VALUE-RELATED ITEMS</u>				
A-1.3.1	Contractual Requirements	1	sum		
A-1.3.2	Facilities for Engineer	1	sum		
A-1.3.3	Facilities for Contractor	1	sum		
	<u>A-1.4 SPECIFIC ITEMS</u>				
A-1.4.1	Site mobilization including acquiring GIS data for the area of interest				
A-1.4.2	Extra-over A-1.3.1 for profit, administration, etc	1	sum		
		1	sum		
	Carried Forward				R

	Brought Forward				R
A-1.4.3	Allowance for compliance with the Occupational Health and Safety Acts of 1993, as amended, construction regulations of 2003				
(a)	Prepare and submit Health and Safety File for client approval	1	Sum		
(b)	Compliance with all Occupational, Health and Safety Requirements		Sum		
		1			
(c)	Provision of Safety Officer		Sum		
(d)	Submit Safety File at end of contract	1	sum		
		1			
	Bill 1 carried to the Final				
	Summary				R

Item	Description	Qty	Unit	Rate	Amount R
	<u>BILL No 2</u>				
	<u>SECTION 2: SATELLITE SCANNING INSPECTION</u>				
	<u>A INVESTIGATION</u>				
	<u>Site Assessment</u>				
1	Provision for feasibility studies to be conducted by a SAR (Synthetic Aperture Radar) Imagery.	2	3500km network scan		
2	Satellite data acquisition and Processing	2	3500km network scan		
3	Imagery acquisition and processing	2	3500km network scan		
4	Reporting – Provisional Report	2	sum		
5	First Leak Report based on Rand Water GIS compatible with Rand Water within an accuracy of 1m	2	sum		
	<u>B. FIELD VALIDATION OF IDENTIFIED LEAKS ON THE GROUND USING COMPLEMENTARY ACOUSTIC TECHNOLOGY</u>				
1	Field validation of identified leaks within an accuracy of 1m	200	each		

2	Training on Pertaining to all stages of the Project especially with field use of results by Rand Water maintenance team	1	sum		
3	Final Report	1	sum		
Bill 2 carried to the Final Summary					

SUMMARY OF BILL OF QUANTITIES	
DESCRIPTION	AMOUNT
Bill 1 : PRELIMINARIES AND GENERAL	
Bill 2 : SATELLITE SCANNING INSPECTION	
SUB-TOTAL 1	-
Add 15% VAT	-
TOTAL CARRIED TO FORM OF OFFER	-