

PRICING DATA Price List

The purposes of evaluation; Sentech request bidders to use RoE of R15,00 - \$1,00 for evaluation purposes. Bidders must clearly indicate in their quote the line items that have an RoE impact.

Provisional and General

#	Description NOTE: All items to be designed, supplied, installed & commissioned as applicable. Items not covered by the schedule must be listed below. If quantities are zero, then provide rates only.	Unit	Qty	R/Unit	R Total
1	CONTRACTORS FIXED CHARGES				
1.1	Design, documentation & professional certification	Item	1		
1.2	Transport & logistics to site	Item	1		
1.3	Establishment of construction site facilities	Item	1		
1.4	Site inspection before contract commences	Item	1		
1.5	Compliance with OHSACT requirements	Item	1		
1.6	Compliance with Environmental requirements	Item	1		
1.7	Factory acceptance tests for Inverters only in South Africa	Item	1		
1.8	Site acceptance tests	Item	1		
1.9	Testing & commissioning	Item	1		
1.10	Preparation of 4 sets of O&M manuals plus electronic version	Item	1		
1.11	Operation and management training of Employer staff (1 day)	Item	1		
1.12	Operation and management contract (12 months from Final completion))	Item	1		
1.13	Cost of disposal at the end of the plant's 25 years lifespan (at today's prices)				
1.14	Cost of remediation of the site at end of life (at today's price)				
1.15	Risk assessment and report for lightning protection design	Item	1		
1.16	Performance guarantee	item			
1.17	Public Liability risk insurance	item	1		
2	CONTRACTORS TIME RELATED ITEMS				

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2.1	Contractual requirements	Item	1		
2.2	Operation/maintenance of facilities/site	Item	1		
2.3	Project Management & Works Supervision	Item	1		
2.4	HSE Supervision	Item	1		
2.5	Accommodation	Item	1		
2.6	Company and Head Office overhead costs	Item	1		
3	All other items deemed necessary to complete the works. (Specify):				
3.1					
3.2					
Total excluding VAT carried forward					

PV Plant

#	Description NOTE: all items to be designed, supplied, installed & commissioned as applicable. Items not covered by the schedule must be listed below. If quantities are zero, then provide rates only. Rates must be supplied with site conditions in mind and as per the requirements in the scope of works	Unit	Qty	R/Unit	R Total
1	PV PLANT				
1.1	Site clearance	sum			
1.2	Plant related Civil Works	sum	1		
1.3.1	Supply: Photovoltaic modules	QTY			
1.3.2	Install: Photovoltaic modules	sum	1		
1.4.1	Supply: Array Structure	sum	1		
1.4.2	Install: Array Structure	sum	1		
1.5.1	Supply: Inverters	Qty			
1.5.2	Install: Inverters	sum	1		

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1.6.1	Supply: DC works and cabling	sum	1		
1.6.2	Install DC works and cabling	sum	1		
1.7.1	Supply: AC reticulation	sum	1		
1.7.2	Install: AC reticulation	sum	1		
1.7.3	Supply AC DB as required at all relevant POC's (Incl SPD's)	sum	1		
1.7.4	Install AC DB as required at all relevant POC's	sum	1		
1.8.1	Supply: Earthing and bonding system	sum	1		
1.8.2	Install: Earthing and bonding system	sum	1		
1.9.1	Supply: Lightning protection system	sum	1		
1.9.2	Install: Lightning protection system	sum	1		
1.10.	Supply: Control and management system	sum	1		
1.10.	Install: Control and management system	sum	1		
1.11	Supply: Monitoring meter and CT's for the prevention of feeding onto the grid	sum	1		
1.12	Install: Monitoring meter and CT's for the prevention of feeding onto the grid	sum	1		
1.13	Supply: Control for diesel saving when generator is running	sum	1		
1.14	Install: Control for diesel saving when generator is running	sum	1		
1.15	Labelling and notices	sum	1		
1.16	Spare PV Modules	each	5		
1.17	Rigging of materials	each	1		
1.18	System monitoring licence for lifespan of PV system (25 years)	each	1		
1.19	Washing of entire system panels at least once off during 12-month maintenance period (P90 to be considered)	each	1		
1.20	Supply of materials for the provision of water points	each			
1.21	Installation of water points	each			

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1.22	Supply: 19mm crushed stone for under entire PV structure	sum			
1.23	Install: 19mm crushed stone under entire PV structure	sum			
1.24	Supply: clearvu with spikes on top (or similar) fence around the PV installation (i.e. high security level), minimum height to be 2,2m from ground level.	sum			
1.25	Install: Clearvu (or similar) fence around the PV installation	sum			
1.26	Supply: electric fence with energizer (4 wire)	sum			
1.27	Install: electric fence with energizer (4 wire)	sum			
1.28	Supply: Razor Wire Barbed Tape Concertina	sum			
1.29	Install: Razor Wire Barbed Tape Concertina	sum			
2	All other items deemed necessary to complete the works. (Specify):				
2.1	All equipment and materials linked to ROE needs to be priced based on R15.00 to 1\$ US. Please specify items linked to ROE and the corresponding value based on R15.00 to 1\$ US				
2.2					
Total excluding VAT carried forward					

Total

Total	Description	Total
A	PROVISIONAL AND GENERAL	
B	PV PLANT	
1	SUB TOTAL 1 (Items A + B)	
2	PROVISIONAL SUM ITEMS	
2.1	SCADA integration	R30 000

Total	Description	Total
2.2		
2.3		
2.4	ADD TOTAL OF PROVISIONAL SUM ITEMS (Items 2.1 to 2.2)	
2.5	ADD CONTRACTOR'S MARK-UP ON TOTAL OF PROVISIONAL SUM (Item 2.4)	
3	SUB TOTAL 2 (Items 1 + 2.4 + 2.5)	
4	SUB TOTAL 3 (Items 3 + 4)	
5	CONTINGENCY AMOUNT 5%	
6	ADD 15 % VAT	
7	TENDER TOTAL INCLUDING VAT (Items 5 + 6)	