

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 1 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 1					
PRELIMINARY & GENERAL					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Contractual requirements and contract establishment	Sum	1	0	0
2	Contractor offices, storage, workshops, ablutions and communications	No	1	0	0
3	Security of Contractor plant and personnel, fixed charge	Sum	1	0	0
4	Setting out and task preparation	Item	1	0	0
5	Initial Health and Safety plan, risk assessments and safe work procedures	Sum	1	0	0
6	Initial Environmental Management Plan compliance	Sum	1	0	0
7	Removal of site establishment	Sum	1	0	0
8	Contractual requirements, time related	Month	1	0	0
9	Operation and maintenance of site facilities	Month	1	0	0
10	Supervision for duration of the service	Month	1	0	0
11	Company and head office overhead costs	Month	1	0	0
12	Quality management, time related	Month	1	0	0
13	Security, time related	Month	1	0	0
14	Health and Safety compliance, time related	Month	1	0	0
15	Environmental compliance, time related	Month	1	0	0
Carried to Summary					0
BILL NO 2					
ASSESSMENT, ENGINEERING AND NDT					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Corrosion engineer or specialist	Hour	10	0	0
2	Registered professional engineer	Hour	10	0	0
3	Coating inspector, NACE/FROSIO or equivalent	Hour	10	0	0
4	Corrosion survey and photographic report	No	1	0	0
5	Visual inspection and corrosion mapping	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 1 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	Ultrasonic thickness readings	Point	10	0	0
7	Magnetic particle inspection	Point	10	0	0
8	Dye penetrant inspection	Point	10	0	0
9	Existing dry film thickness survey	Point	10	0	0
10	Radiography NDT	Per/Frame	10	0	0
11	Pull-off adhesion testing and report	Test	5	0	0
Carried to Summary					0

BILL NO 3 ACCESS, PROTECTION AND CONTAINMENT

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Scaffolding erected and dismantled up to 5m	m2	100	0	0
2	Scaffolding erected and dismantled over 5m to 15m	m2	100	0	0
3	Scaffolding hire after initial period	m2/wk	100	0	0
4	Rope access team with Level 3 supervision	Day	1	0	0
5	Mobile elevated work platform including operator	Day	1	0	0
6	Confined-space standby and rescue team	Day	1	0	0
7	Temporary containment for blasting and coating	m2	100	0	0
Carried to Summary					0

BILL NO 4 SURFACE PREPARATION

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Potable water washing	m2	100	0	0
2	Degreasing and solvent cleaning	m2	100	0	0
3	Power tool cleaning to St2	m2	100	0	0
4	Power tool cleaning to St3	m2	100	0	0
5	Abrasive blast cleaning to Sa 2.5	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 1 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	High pressure water jetting	m2	100	0	0
7	Feather edging of existing coatings	m2	100	0	0
8	Rounding sharp steel edges to minimum 2mm radius	m	10	0	0
9	Soluble salt contamination testing	Test	5	0	0
10	Surface profile measurement	Test	5	0	0
11	Dust assessment by tape method	Test	5	0	0
12	Hazardous waste disposal at licensed facility	t	1	0	0
Carried to Summary					<u>0</u>

BILL NO 5 CORROSION PROTECTION COATINGS AND LININGS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Stripe coating to welds, edges and bolts	m	10	0	0
2	Epoxy zinc-rich primer coat	m2	100	0	0
3	High-build epoxy intermediate coat	m2	100	0	0
4	UV-resistant polyurethane finish coat	m2	100	0	0
5	Complete C5 atmospheric coating system	m2	100	0	0
6	Spot coating repair not exceeding 1m2	No	1	0	0
7	Full removal and recoating system	m2	100	0	0
8	Heat-resistant coating system	m2	100	0	0
9	Temporary preservation or inhibitor coating	m2	100	0	0
10	Freshwater immersion lining system	m2	100	0	0
11	Fuel, oil or chemical lining system	m2	100	0	0
12	Splash-zone abrasion-resistant system	m2	100	0	0
13	Holiday testing of lining	m2	100	0	0
14	Corrosion wrapping to pipe or weld	m	10	0	0
15	Flange wrapping up to DN300	No	10	0	0
Carried to Summary					<u>0</u>

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 1 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 6					
STRUCTURAL, BUILDING AND PIPING REPAIRS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Supply, fabricate and install structural steel	kg	250	0	0
2	Remove damaged structural steel	kg	250	0	0
3	Steel plate insert or patch repair	kg	100	0	0
4	Certified weld repair	m	10	0	0
5	Replace high-strength structural bolt set	No	20	0	0
6	Replace ordinary fastener set	No	20	0	0
7	Install galvanic isolation kit	No	10	0	0
8	Replace steel handrail	m	10	0	0
9	Replace steel ladder	m	10	0	0
10	Replace open-grid flooring	m2	20	0	0
11	Repair roof leak	No	10	0	0
12	Replace profiled roof sheeting	m2	100	0	0
13	Recoat metal roof	m2	100	0	0
14	Repair or replace roof flashing	m	20	0	0
15	Replace roof fasteners and washers	No	10	0	0
16	Repair waterproofing membrane	m2	10	0	0
17	Repair or replace gutter	m	20	0	0
18	Repair or replace downpipe	m	20	0	0
19	Replace external joint sealant	m	50	0	0
20	Prepare and recoat pipe up to 100mm OD	m	10	0	0
21	Prepare and recoat pipe 101-300mm OD	m	10	0	0
22	Prepare and recoat pipe over 300mm OD	m2	10	0	0
23	Replace fabricated pipe support	kg	250	0	0
24	Recoat valve body and actuator	No	5	0	0
Carried to Summary					0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 1 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 7					
STATION-SPECIFIC PLANT WORKS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	External tank shell coating rehabilitation	m2	500	0	0
2	External tank roof coating rehabilitation	m2	500	0	0
3	Tank chime and plinth seal restoration	m	100	0	0
4	Tank nozzle or manhole local repair	No	10	0	0
5	Fuel unloading bay rehabilitation	m2	1000	0	0
6	Ignition gas yard coating rehabilitation	m2	200	0	0
7	Air intake joint and sealant repair	m	100	0	0
Carried to Summary					0
BILL NO 8					
LOGISTICS AND EMERGENCY CALL-OUTS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Return road travel, light vehicle	km	100	0	0
2	Accommodation per person	P/night	1	0	0
3	Subsistence per person	P/day	1	0	0
4	Freight of materials up to one tonne	Trip	1	0	0
5	Emergency mobilisation and attendance within two hours	No	1	0	0
6	Emergency team standby, normal hours	Team/hr	1	0	0
7	Emergency team standby, after hours	Team/hr	1	0	0
8	Emergency minimum charge, first four hours	No	1	0	0
9	After-hours labour premium	P/hr	1	0	0
10	Weekend labour premium	P/hr	1	0	0
11	Public holiday labour premium	P/hr	1	0	0
12	Temporary make-safe repair	No	1	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 1 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
13	Emergency temporary weatherproofing or leak arrest	No	1	0	0
14	Emergency environmental containment setup	No	1	0	0
15	Emergency condition report within 24 hours	No	1	0	0
Carried to Summary					0
					0

BILL NO 9

QUALITY, HANDOVER AND PROVISIONAL SUMS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Environmental condition monitoring record	Shift	1	0	0
2	Wet film thickness record	Shift	1	0	0
3	Dry film thickness reading and report	Point	1	0	0
4	Coating cure verification	Test	1	0	0
5	Final inspection and close-out	No	1	0	0
6	Task quality dossier	No	1	0	0
7	Manufacturer and applicator guarantee	No	1	0	0
8	Proven third-party materials and services, net cost	Prov Sum	1	0	0
9	Markup on proven third-party cost	%	10	0	0
10	Unscheduled specialist work	Prov Sum	1	0	0
Carried to Summary					0
					0

SUMMARY

ITEM NO	DESCRIPTION	UNIT	AMOUNT
1	Preliminary & General	Page	0
2	Assessment, Engineering And Ndt	Page	0
3	Access, Protection And Containment	Page	0
4	Surface Preparation	Page	0
5	Corrosion Protection Coatings And Linings	Page	0
6	Structural, Building And Piping Repairs	Page	0
7	Station-Specific Plant Works	Page	0
8	Logistics And Emergency Call-Outs	Page	0
9	Quality, Handover And Provisional Sums	Page	0
Sub-total			0
	Allow Fifteen per cent (15%) Value Added Tax	TAX	0.15
Total Tender			0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 2 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 1					
PRELIMINARY & GENERAL					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Contractual requirements and contract establishment	Sum	1	0	0
2	Contractor offices, storage, workshops, ablutions and communications	No	1	0	0
3	Security of Contractor plant and personnel, fixed charge	Sum	1	0	0
4	Setting out and task preparation	Item	1	0	0
5	Initial Health and Safety plan, risk assessments and safe work procedures	Sum	1	0	0
6	Initial Environmental Management Plan compliance	Sum	1	0	0
7	Removal of site establishment	Sum	1	0	0
8	Contractual requirements, time related	Month	1	0	0
9	Operation and maintenance of site facilities	Month	1	0	0
10	Supervision for duration of the service	Month	1	0	0
11	Company and head office overhead costs	Month	1	0	0
12	Quality management, time related	Month	1	0	0
13	Security, time related	Month	1	0	0
14	Health and Safety compliance, time related	Month	1	0	0
15	Environmental compliance, time related	Month	1	0	0
Carried to Summary					0
BILL NO 2					
ASSESSMENT, ENGINEERING AND NDT					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Corrosion engineer or specialist	Hour	10	0	0
2	Registered professional engineer	Hour	10	0	0
3	Coating inspector, NACE/FROSIO or equivalent	Hour	10	0	0
4	Corrosion survey and photographic report	No	1	0	0
5	Visual inspection and corrosion mapping	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 2 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	Ultrasonic thickness readings	Point	10	0	0
7	Magnetic particle inspection	Point	10	0	0
8	Dye penetrant inspection	Point	10	0	0
9	Existing dry film thickness survey	Point	10	0	0
10	Radiography NDT	Per/Frame	10	0	0
11	Pull-off adhesion testing and report	Test	5	0	0
Carried to Summary					0

BILL NO 3 ACCESS, PROTECTION AND CONTAINMENT

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Scaffolding erected and dismantled up to 5m	m2	100	0	0
2	Scaffolding erected and dismantled over 5m to 15m	m2	100	0	0
3	Scaffolding hire after initial period	m2/wk	100	0	0
4	Rope access team with Level 3 supervision	Day	1	0	0
5	Mobile elevated work platform including operator	Day	1	0	0
6	Confined-space standby and rescue team	Day	1	0	0
7	Temporary containment for blasting and coating	m2	100	0	0
Carried to Summary					0

BILL NO 4 SURFACE PREPARATION

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Potable water washing	m2	100	0	0
2	Degreasing and solvent cleaning	m2	100	0	0
3	Power tool cleaning to St2	m2	100	0	0
4	Power tool cleaning to St3	m2	100	0	0
5	Abrasive blast cleaning to Sa 2.5	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 2 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	High pressure water jetting	m2	100	0	0
7	Feather edging of existing coatings	m2	100	0	0
8	Rounding sharp steel edges to minimum 2mm radius	m	10	0	0
9	Soluble salt contamination testing	Test	5	0	0
10	Surface profile measurement	Test	5	0	0
11	Dust assessment by tape method	Test	5	0	0
12	Hazardous waste disposal at licensed facility	t	1	0	0
Carried to Summary					<u>0</u>

BILL NO 5 CORROSION PROTECTION COATINGS AND LININGS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Stripe coating to welds, edges and bolts	m	10	0	0
2	Epoxy zinc-rich primer coat	m2	100	0	0
3	High-build epoxy intermediate coat	m2	100	0	0
4	UV-resistant polyurethane finish coat	m2	100	0	0
5	Complete C5 atmospheric coating system	m2	100	0	0
6	Spot coating repair not exceeding 1m2	No	1	0	0
7	Full removal and recoating system	m2	100	0	0
8	Heat-resistant coating system	m2	100	0	0
9	Temporary preservation or inhibitor coating	m2	100	0	0
10	Freshwater immersion lining system	m2	100	0	0
11	Fuel, oil or chemical lining system	m2	100	0	0
12	Splash-zone abrasion-resistant system	m2	100	0	0
13	Holiday testing of lining	m2	100	0	0
14	Corrosion wrapping to pipe or weld	m	10	0	0
15	Flange wrapping up to DN300	No	10	0	0
Carried to Summary					<u>0</u>

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 2 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 6					
STRUCTURAL, BUILDING AND PIPING REPAIRS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Supply, fabricate and install structural steel	kg	250	0	0
2	Remove damaged structural steel	kg	250	0	0
3	Steel plate insert or patch repair	kg	100	0	0
4	Certified weld repair	m	10	0	0
5	Replace high-strength structural bolt set	No	20	0	0
6	Replace ordinary fastener set	No	20	0	0
7	Install galvanic isolation kit	No	10	0	0
8	Replace steel handrail	m	10	0	0
9	Replace steel ladder	m	10	0	0
10	Replace open-grid flooring	m2	20	0	0
11	Repair roof leak	No	10	0	0
12	Replace profiled roof sheeting	m2	100	0	0
13	Recoat metal roof	m2	100	0	0
14	Repair or replace roof flashing	m	20	0	0
15	Replace roof fasteners and washers	No	10	0	0
16	Repair waterproofing membrane	m2	10	0	0
17	Repair or replace gutter	m	20	0	0
18	Repair or replace downpipe	m	20	0	0
19	Replace external joint sealant	m	50	0	0
20	Prepare and recoat pipe up to 100mm OD	m	10	0	0
21	Prepare and recoat pipe 101-300mm OD	m	10	0	0
22	Prepare and recoat pipe over 300mm OD	m2	10	0	0
23	Replace fabricated pipe support	kg	250	0	0
24	Recoat valve body and actuator	No	5	0	0
Carried to Summary					0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 2 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 7					
STATION-SPECIFIC PLANT WORKS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	External tank shell coating rehabilitation	m2	500	0	0
2	External tank roof coating rehabilitation	m2	500	0	0
3	Tank chime and plinth seal restoration	m	100	0	0
4	Tank nozzle or manhole local repair	No	10	0	0
5	Fuel unloading bay rehabilitation	m2	1000	0	0
6	Ignition gas yard coating rehabilitation	m2	200	0	0
7	Air intake joint and sealant repair	m	100	0	0
Carried to Summary					0
BILL NO 8					
LOGISTICS AND EMERGENCY CALL-OUTS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Return road travel, light vehicle	km	100	0	0
2	Accommodation per person	P/night	1	0	0
3	Subsistence per person	P/day	1	0	0
4	Freight of materials up to one tonne	Trip	1	0	0
5	Emergency mobilisation and attendance within two hours	No	1	0	0
6	Emergency team standby, normal hours	Team/hr	1	0	0
7	Emergency team standby, after hours	Team/hr	1	0	0
8	Emergency minimum charge, first four hours	No	1	0	0
9	After-hours labour premium	P/hr	1	0	0
10	Weekend labour premium	P/hr	1	0	0
11	Public holiday labour premium	P/hr	1	0	0
12	Temporary make-safe repair	No	1	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 2 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
13	Emergency temporary weatherproofing or leak arrest	No	1	0	0
14	Emergency environmental containment setup	No	1	0	0
15	Emergency condition report within 24 hours	No	1	0	0
Carried to Summary					0

BILL NO 9

QUALITY, HANDOVER AND PROVISIONAL SUMS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Environmental condition monitoring record	Shift	1	0	0
2	Wet film thickness record	Shift	1	0	0
3	Dry film thickness reading and report	Point	1	0	0
4	Coating cure verification	Test	1	0	0
5	Final inspection and close-out	No	1	0	0
6	Task quality dossier	No	1	0	0
7	Manufacturer and applicator guarantee	No	1	0	0
8	Proven third-party materials and services, net cost	Prov Sum	1	0	0
9	Markup on proven third-party cost	%	10	0	0
10	Unscheduled specialist work	Prov Sum	1	0	0
Carried to Summary					0

SUMMARY

ITEM NO	DESCRIPTION	UNIT	AMOUNT
1	Preliminary & General	Page	0
2	Assessment, Engineering And Ndt	Page	0
3	Access, Protection And Containment	Page	0
4	Surface Preparation	Page	0
5	Corrosion Protection Coatings And Linings	Page	0
6	Structural, Building And Piping Repairs	Page	0
7	Station-Specific Plant Works	Page	0
8	Logistics And Emergency Call-Outs	Page	0
9	Quality, Handover And Provisional Sums	Page	0
Sub-total			0
	Allow Fifteen per cent (15%) Value Added Tax	TAX	0.15
Total Tender			0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 3 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 1					
PRELIMINARY & GENERAL					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Contractual requirements and contract establishment	Sum	1	0	0
2	Contractor offices, storage, workshops, ablutions and communications	No	1	0	0
3	Security of Contractor plant and personnel, fixed charge	Sum	1	0	0
4	Setting out and task preparation	Item	1	0	0
5	Initial Health and Safety plan, risk assessments and safe work procedures	Sum	1	0	0
6	Initial Environmental Management Plan compliance	Sum	1	0	0
7	Removal of site establishment	Sum	1	0	0
8	Contractual requirements, time related	Month	1	0	0
9	Operation and maintenance of site facilities	Month	1	0	0
10	Supervision for duration of the service	Month	1	0	0
11	Company and head office overhead costs	Month	1	0	0
12	Quality management, time related	Month	1	0	0
13	Security, time related	Month	1	0	0
14	Health and Safety compliance, time related	Month	1	0	0
15	Environmental compliance, time related	Month	1	0	0
Carried to Summary					0
BILL NO 2					
ASSESSMENT, ENGINEERING AND NDT					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Corrosion engineer or specialist	Hour	10	0	0
2	Registered professional engineer	Hour	10	0	0
3	Coating inspector, NACE/FROSIO or equivalent	Hour	10	0	0
4	Corrosion survey and photographic report	No	1	0	0
5	Visual inspection and corrosion mapping	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 3 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	Ultrasonic thickness readings	Point	10	0	0
7	Magnetic particle inspection	Point	10	0	0
8	Dye penetrant inspection	Point	10	0	0
9	Existing dry film thickness survey	Point	10	0	0
10	Radiography NDT	Per/Frame	10	0	0
11	Pull-off adhesion testing and report	Test	5	0	0
Carried to Summary					0

BILL NO 3 ACCESS, PROTECTION AND CONTAINMENT

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Scaffolding erected and dismantled up to 5m	m2	100	0	0
2	Scaffolding erected and dismantled over 5m to 15m	m2	100	0	0
3	Scaffolding hire after initial period	m2/wk	100	0	0
4	Rope access team with Level 3 supervision	Day	1	0	0
5	Mobile elevated work platform including operator	Day	1	0	0
6	Confined-space standby and rescue team	Day	1	0	0
7	Temporary containment for blasting and coating	m2	100	0	0
Carried to Summary					0

BILL NO 4 SURFACE PREPARATION

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Potable water washing	m2	100	0	0
2	Degreasing and solvent cleaning	m2	100	0	0
3	Power tool cleaning to St2	m2	100	0	0
4	Power tool cleaning to St3	m2	100	0	0
5	Abrasive blast cleaning to Sa 2.5	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 3 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	High pressure water jetting	m2	100	0	0
7	Feather edging of existing coatings	m2	100	0	0
8	Rounding sharp steel edges to minimum 2mm radius	m	10	0	0
9	Soluble salt contamination testing	Test	5	0	0
10	Surface profile measurement	Test	5	0	0
11	Dust assessment by tape method	Test	5	0	0
12	Hazardous waste disposal at licensed facility	t	1	0	0
Carried to Summary					<u>0</u>

BILL NO 5 CORROSION PROTECTION COATINGS AND LININGS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Stripe coating to welds, edges and bolts	m	10	0	0
2	Epoxy zinc-rich primer coat	m2	100	0	0
3	High-build epoxy intermediate coat	m2	100	0	0
4	UV-resistant polyurethane finish coat	m2	100	0	0
5	Complete C5 atmospheric coating system	m2	100	0	0
6	Spot coating repair not exceeding 1m2	No	1	0	0
7	Full removal and recoating system	m2	100	0	0
8	Heat-resistant coating system	m2	100	0	0
9	Temporary preservation or inhibitor coating	m2	100	0	0
10	Freshwater immersion lining system	m2	100	0	0
11	Fuel, oil or chemical lining system	m2	100	0	0
12	Splash-zone abrasion-resistant system	m2	100	0	0
13	Holiday testing of lining	m2	100	0	0
14	Corrosion wrapping to pipe or weld	m	10	0	0
15	Flange wrapping up to DN300	No	10	0	0
Carried to Summary					<u>0</u>

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 3 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 6					
STRUCTURAL, BUILDING AND PIPING REPAIRS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Supply, fabricate and install structural steel	kg	250	0	0
2	Remove damaged structural steel	kg	250	0	0
3	Steel plate insert or patch repair	kg	100	0	0
4	Certified weld repair	m	10	0	0
5	Replace high-strength structural bolt set	No	20	0	0
6	Replace ordinary fastener set	No	20	0	0
7	Install galvanic isolation kit	No	10	0	0
8	Replace steel handrail	m	10	0	0
9	Replace steel ladder	m	10	0	0
10	Replace open-grid flooring	m2	20	0	0
11	Repair roof leak	No	10	0	0
12	Replace profiled roof sheeting	m2	100	0	0
13	Recoat metal roof	m2	100	0	0
14	Repair or replace roof flashing	m	20	0	0
15	Replace roof fasteners and washers	No	10	0	0
16	Repair waterproofing membrane	m2	10	0	0
17	Repair or replace gutter	m	20	0	0
18	Repair or replace downpipe	m	20	0	0
19	Replace external joint sealant	m	50	0	0
20	Prepare and recoat pipe up to 100mm OD	m	10	0	0
21	Prepare and recoat pipe 101-300mm OD	m	10	0	0
22	Prepare and recoat pipe over 300mm OD	m2	10	0	0
23	Replace fabricated pipe support	kg	250	0	0
24	Recoat valve body and actuator	No	5	0	0
Carried to Summary					0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 3 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 7					
STATION-SPECIFIC PLANT WORKS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	External tank shell coating rehabilitation	m2	500	0	0
2	External tank roof coating rehabilitation	m2	500	0	0
3	Tank chime and plinth seal restoration	m	100	0	0
4	Tank nozzle or manhole local repair	No	10	0	0
5	Fuel unloading bay rehabilitation	m2	1000	0	0
6	Ignition gas yard coating rehabilitation	m2	200	0	0
7	Air intake joint and sealant repair	m	100	0	0
Carried to Summary					0
BILL NO 8					
LOGISTICS AND EMERGENCY CALL-OUTS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Return road travel, light vehicle	km	100	0	0
2	Accommodation per person	P/night	1	0	0
3	Subsistence per person	P/day	1	0	0
4	Freight of materials up to one tonne	Trip	1	0	0
5	Emergency mobilisation and attendance within two hours	No	1	0	0
6	Emergency team standby, normal hours	Team/hr	1	0	0
7	Emergency team standby, after hours	Team/hr	1	0	0
8	Emergency minimum charge, first four hours	No	1	0	0
9	After-hours labour premium	P/hr	1	0	0
10	Weekend labour premium	P/hr	1	0	0
11	Public holiday labour premium	P/hr	1	0	0
12	Temporary make-safe repair	No	1	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - ANKERLIG 3 POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
13	Emergency temporary weatherproofing or leak arrest	No	1	0	0
14	Emergency environmental containment setup	No	1	0	0
15	Emergency condition report within 24 hours	No	1	0	0
Carried to Summary					<u>0</u>

BILL NO 9

QUALITY, HANDOVER AND PROVISIONAL SUMS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Environmental condition monitoring record	Shift	1	0	0
2	Wet film thickness record	Shift	1	0	0
3	Dry film thickness reading and report	Point	1	0	0
4	Coating cure verification	Test	1	0	0
5	Final inspection and close-out	No	1	0	0
6	Task quality dossier	No	1	0	0
7	Manufacturer and applicator guarantee	No	1	0	0
8	Proven third-party materials and services, net cost	Prov Sum	1	0	0
9	Markup on proven third-party cost	%	10	0	0
10	Unscheduled specialist work	Prov Sum	1	0	0
Carried to Summary					<u>0</u>

SUMMARY

ITEM NO	DESCRIPTION	UNIT	AMOUNT
1	Preliminary & General	Page	0
2	Assessment, Engineering And Ndt	Page	0
3	Access, Protection And Containment	Page	0
4	Surface Preparation	Page	0
5	Corrosion Protection Coatings And Linings	Page	0
6	Structural, Building And Piping Repairs	Page	0
7	Station-Specific Plant Works	Page	0
8	Logistics And Emergency Call-Outs	Page	0
9	Quality, Handover And Provisional Sums	Page	0
Sub-total			<u>0</u>
	Allow Fifteen per cent (15%) Value Added Tax	TAX	0.15
Total Tender			<u>0</u>

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - GOURIKWA POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 1					
PRELIMINARY & GENERAL					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Contractual requirements and contract establishment	Sum	1	0	0
2	Contractor offices, storage, workshops, ablutions and communications	No	1	0	0
3	Security of Contractor plant and personnel, fixed charge	Sum	1	0	0
4	Setting out and task preparation	Item	1	0	0
5	Initial Health and Safety plan, risk assessments and safe work procedures	Sum	1	0	0
6	Initial Environmental Management Plan compliance	Sum	1	0	0
7	Removal of site establishment	Sum	1	0	0
8	Contractual requirements, time related	Month	1	0	0
9	Operation and maintenance of site facilities	Month	1	0	0
10	Supervision for duration of the service	Month	1	0	0
11	Company and head office overhead costs	Month	1	0	0
12	Quality management, time related	Month	1	0	0
13	Security, time related	Month	1	0	0
14	Health and Safety compliance, time related	Month	1	0	0
15	Environmental compliance, time related	Month	1	0	0
Carried to Summary					0
BILL NO 2					
ASSESSMENT, ENGINEERING AND NDT					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Corrosion engineer or specialist	Hour	10	0	0
2	Registered professional engineer	Hour	10	0	0
3	Coating inspector, NACE/FROSIO or equivalent	Hour	10	0	0
4	Corrosion survey and photographic report	No	1	0	0
5	Visual inspection and corrosion mapping	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - GOURIKWA POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	Ultrasonic thickness readings	Point	10	0	0
7	Magnetic particle inspection	Point	10	0	0
8	Dye penetrant inspection	Point	10	0	0
9	Existing dry film thickness survey	Point	10	0	0
10	Radiography NDT	Per/Frame	10	0	0
11	Pull-off adhesion testing and report	Test	5	0	0
Carried to Summary					0
					0

BILL NO 3

ACCESS, PROTECTION AND CONTAINMENT

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Scaffolding erected and dismantled up to 5m	m2	100	0	0
2	Scaffolding erected and dismantled over 5m to 15m	m2	100	0	0
3	Scaffolding hire after initial period	m2/wk	100	0	0
4	Rope access team with Level 3 supervision	Day	1	0	0
5	Mobile elevated work platform including operator	Day	1	0	0
6	Confined-space standby and rescue team	Day	1	0	0
7	Temporary containment for blasting and coating	m2	100	0	0
Carried to Summary					0
					0

BILL NO 4

SURFACE PREPARATION

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Potable water washing	m2	100	0	0
2	Degreasing and solvent cleaning	m2	100	0	0
3	Power tool cleaning to St2	m2	100	0	0
4	Power tool cleaning to St3	m2	100	0	0
5	Abrasive blast cleaning to Sa 2.5	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - GOURIKWA POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	High pressure water jetting	m2	100	0	0
7	Feather edging of existing coatings	m2	100	0	0
8	Rounding sharp steel edges to minimum 2mm radius	m	10	0	0
9	Soluble salt contamination testing	Test	5	0	0
10	Surface profile measurement	Test	5	0	0
11	Dust assessment by tape method	Test	5	0	0
12	Hazardous waste disposal at licensed facility	t	1	0	0
Carried to Summary					<u>0</u>

BILL NO 5 CORROSION PROTECTION COATINGS AND LININGS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Stripe coating to welds, edges and bolts	m	10	0	0
2	Epoxy zinc-rich primer coat	m2	100	0	0
3	High-build epoxy intermediate coat	m2	100	0	0
4	UV-resistant polyurethane finish coat	m2	100	0	0
5	Complete C5 atmospheric coating system	m2	100	0	0
6	Spot coating repair not exceeding 1m2	No	1	0	0
7	Full removal and recoating system	m2	100	0	0
8	Heat-resistant coating system	m2	100	0	0
9	Temporary preservation or inhibitor coating	m2	100	0	0
10	Freshwater immersion lining system	m2	100	0	0
11	Fuel, oil or chemical lining system	m2	100	0	0
12	Splash-zone abrasion-resistant system	m2	100	0	0
13	Holiday testing of lining	m2	100	0	0
14	Corrosion wrapping to pipe or weld	m	10	0	0
15	Flange wrapping up to DN300	No	10	0	0
Carried to Summary					<u>0</u>

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - GOURIKWA POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 6					
STRUCTURAL, BUILDING AND PIPING REPAIRS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Supply, fabricate and install structural steel	kg	250	0	0
2	Remove damaged structural steel	kg	250	0	0
3	Steel plate insert or patch repair	kg	100	0	0
4	Certified weld repair	m	10	0	0
5	Replace high-strength structural bolt set	No	20	0	0
6	Replace ordinary fastener set	No	20	0	0
7	Install galvanic isolation kit	No	10	0	0
8	Replace steel handrail	m	10	0	0
9	Replace steel ladder	m	10	0	0
10	Replace open-grid flooring	m2	20	0	0
11	Repair roof leak	No	10	0	0
12	Replace profiled roof sheeting	m2	100	0	0
13	Recoat metal roof	m2	100	0	0
14	Repair or replace roof flashing	m	20	0	0
15	Replace roof fasteners and washers	No	10	0	0
16	Repair waterproofing membrane	m2	10	0	0
17	Repair or replace gutter	m	20	0	0
18	Repair or replace downpipe	m	20	0	0
19	Replace external joint sealant	m	50	0	0
20	Prepare and recoat pipe up to 100mm OD	m	10	0	0
21	Prepare and recoat pipe 101-300mm OD	m	10	0	0
22	Prepare and recoat pipe over 300mm OD	m2	10	0	0
23	Replace fabricated pipe support	kg	250	0	0
24	Recoat valve body and actuator	No	5	0	0
Carried to Summary					0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - GOURIKWA POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 7					
STATION-SPECIFIC PLANT WORKS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	External tank shell coating rehabilitation	m2	500	0	0
2	External tank roof coating rehabilitation	m2	500	0	0
3	Tank chime and plinth seal restoration	m	100	0	0
4	Tank nozzle or manhole local repair	No	10	0	0
5	Fuel unloading bay rehabilitation	m2	1000	0	0
6	Ignition gas yard coating rehabilitation	m2	200	0	0
7	Air intake joint and sealant repair	m	100	0	0
Carried to Summary					0
BILL NO 8					
LOGISTICS AND EMERGENCY CALL-OUTS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Return road travel, light vehicle	km	100	0	0
2	Accommodation per person	P/night	1	0	0
3	Subsistence per person	P/day	1	0	0
4	Freight of materials up to one tonne	Trip	1	0	0
5	Emergency mobilisation and attendance within two hours	No	1	0	0
6	Emergency team standby, normal hours	Team/hr	1	0	0
7	Emergency team standby, after hours	Team/hr	1	0	0
8	Emergency minimum charge, first four hours	No	1	0	0
9	After-hours labour premium	P/hr	1	0	0
10	Weekend labour premium	P/hr	1	0	0
11	Public holiday labour premium	P/hr	1	0	0
12	Temporary make-safe repair	No	1	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - GOURIKWA POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
13	Emergency temporary weatherproofing or leak arrest	No	1	0	0
14	Emergency environmental containment setup	No	1	0	0
15	Emergency condition report within 24 hours	No	1	0	0
Carried to Summary					<u>0</u>

BILL NO 9

QUALITY, HANDOVER AND PROVISIONAL SUMS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Environmental condition monitoring record	Shift	1	0	0
2	Wet film thickness record	Shift	1	0	0
3	Dry film thickness reading and report	Point	1	0	0
4	Coating cure verification	Test	1	0	0
5	Final inspection and close-out	No	1	0	0
6	Task quality dossier	No	1	0	0
7	Manufacturer and applicator guarantee	No	1	0	0
8	Proven third-party materials and services, net cost	Prov Sum	1	0	0
9	Markup on proven third-party cost	%	10	0	0
10	Unscheduled specialist work	Prov Sum	1	0	0
Carried to Summary					<u>0</u>

SUMMARY

ITEM NO	DESCRIPTION	UNIT	AMOUNT
1	Preliminary & General	Page	0
2	Assessment, Engineering And NDT	Page	0
3	Access, Protection And Containment	Page	0
4	Surface Preparation	Page	0
5	Corrosion Protection Coatings And Linings	Page	0
6	Structural, Building And Piping Repairs	Page	0
7	Station-Specific Plant Works	Page	0
8	Logistics And Emergency Call-Outs	Page	0
9	Quality, Handover And Provisional Sums	Page	0
Sub-total			<u>0</u>
Allow Fifteen per cent (15%) Value Added Tax			<u>0</u>
Total Tender			<u>0</u>

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - INGULA PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 1					
PRELIMINARY & GENERAL					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Contractual requirements and contract establishment	Sum	1	0	0
2	Contractor offices, storage, workshops, ablutions and communications	No	1	0	0
3	Security of Contractor plant and personnel, fixed charge	Sum	1	0	0
4	Setting out and task preparation	Item	1	0	0
5	Initial Health and Safety plan, risk assessments and safe work procedures	Sum	1	0	0
6	Initial Environmental Management Plan compliance	Sum	1	0	0
7	Removal of site establishment	Sum	1	0	0
8	Contractual requirements, time related	Month	1	0	0
9	Operation and maintenance of site facilities	Month	1	0	0
10	Supervision for duration of the service	Month	1	0	0
11	Company and head office overhead costs	Month	1	0	0
12	Quality management, time related	Month	1	0	0
13	Security, time related	Month	1	0	0
14	Health and Safety compliance, time related	Month	1	0	0
15	Environmental compliance, time related	Month	1	0	0
Carried to Summary					0
BILL NO 2					
ASSESSMENT, ENGINEERING AND NDT					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Corrosion engineer or specialist	Hour	10	0	0
2	Registered professional engineer	Hour	10	0	0
3	Coating inspector, NACE/FROSIO or equivalent	Hour	10	0	0
4	Corrosion survey and photographic report	No	1	0	0
5	Visual inspection and corrosion mapping	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - INGULA PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	Ultrasonic thickness readings	Point	10	0	0
7	Magnetic particle inspection	Point	10	0	0
8	Dye penetrant inspection	Point	10	0	0
9	Existing dry film thickness survey	Point	10	0	0
10	Pull-off adhesion testing and report	Test	5	0	0
Carried to Summary					<u>0</u>

BILL NO 3 ACCESS, PROTECTION AND CONTAINMENT

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Scaffolding erected and dismantled up to 5m	m2	100	0	0
2	Scaffolding erected and dismantled over 5m to 15m	m2	100	0	0
3	Scaffolding hire after initial period	m2/wk	100	0	0
4	Rope access team with Level 3 supervision	Day	1	0	0
5	Mobile elevated work platform including operator	Day	1	0	0
6	Confined-space standby and rescue team	Day	1	0	0
7	Temporary containment for blasting and coating	m2	100	0	0
Carried to Summary					<u>0</u>

BILL NO 4 SURFACE PREPARATION

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Potable water washing	m2	100	0	0
2	Degreasing and solvent cleaning	m2	100	0	0
3	Power tool cleaning to St2	m2	100	0	0
4	Power tool cleaning to St3	m2	100	0	0
5	Abrasive blast cleaning to Sa 2.5	m2	100	0	0
6	High pressure water jetting	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - INGULA PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
7	Feather edging of existing coatings	m2	100	0	0
8	Rounding sharp steel edges to minimum 2mm radius	m	10	0	0
9	Soluble salt contamination testing	Test	5	0	0
10	Surface profile measurement	Test	5	0	0
11	Dust assessment by tape method	Test	5	0	0
12	Hazardous waste disposal at licensed facility	t	1	0	0
Carried to Summary					0

BILL NO 5 CORROSION PROTECTION COATINGS AND LININGS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Stripe coating to welds, edges and bolts	m	10	0	0
2	Epoxy zinc-rich primer coat	m2	100	0	0
3	High-build epoxy intermediate coat	m2	100	0	0
4	UV-resistant polyurethane finish coat	m2	100	0	0
5	Complete C5 atmospheric coating system	m2	100	0	0
6	Spot coating repair not exceeding 1m2	No	1	0	0
7	Full removal and recoating system	m2	100	0	0
8	Heat-resistant coating system	m2	100	0	0
9	Temporary preservation or inhibitor coating	m2	100	0	0
10	Freshwater immersion lining system	m2	100	0	0
11	Fuel, oil or chemical lining system	m2	100	0	0
12	Splash-zone abrasion-resistant system	m2	100	0	0
13	Holiday testing of lining	m2	100	0	0
14	Corrosion wrapping to pipe or weld	m	10	0	0
15	Flange wrapping up to DN300	No	10	0	0
Carried to Summary					0

BILL NO 6 STRUCTURAL, BUILDING AND PIPING REPAIRS

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - INGULA PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Supply, fabricate and install structural steel	kg	250	0	0
2	Remove damaged structural steel	kg	250	0	0
3	Steel plate insert or patch repair	kg	100	0	0
4	Certified weld repair	m	10	0	0
5	Replace high-strength structural bolt set	No	20	0	0
6	Replace ordinary fastener set	No	20	0	0
7	Install galvanic isolation kit	No	10	0	0
8	Replace steel handrail	m	10	0	0
9	Replace steel ladder	m	10	0	0
10	Replace open-grid flooring	m2	20	0	0
11	Repair roof leak	No	10	0	0
12	Replace profiled roof sheeting	m2	100	0	0
13	Recoat metal roof	m2	100	0	0
14	Repair or replace roof flashing	m	20	0	0
15	Replace roof fasteners and washers	No	10	0	0
16	Repair waterproofing membrane	m2	10	0	0
17	Repair or replace gutter	m	20	0	0
18	Repair or replace downpipe	m	20	0	0
19	Replace external joint sealant	m	50	0	0
20	Prepare and recoat pipe up to 100mm OD	m	10	0	0
21	Prepare and recoat pipe 101-300mm OD	m	10	0	0
22	Prepare and recoat pipe over 300mm OD	m2	10	0	0
23	Replace fabricated pipe support	kg	250	0	0
24	Recoat valve body and actuator	No	5	0	0
Carried to Summary					0

BILL NO 7 **STATION-SPECIFIC PLANT WORKS**

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - INGULA PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Waterway steelwork coating or lining	m2	1000	0	0
2	Trash rack, stoplog or gate rehabilitation	m2	250	0	0
3	Penstock, draft tube or spiral casing lining	m2	350	0	0
4	Embedded steel and concrete interface sealing	m	200	0	0
5	Hydro-mechanical fastener replacement	No	200	0	0
6	Crane rail clip replacement	No	200	0	0
7	Crane rail fastening replacement	No	200	0	0
8	Crane rail survey and alignment report	m	400	0	0
9	Crane rail alignment reinstatement	m	400	0	0
10	Concrete channel rehabilitation	m3	50	0	0
Carried to Summary					0

BILL NO 8 **LOGISTICS AND EMERGENCY CALL-OUTS**

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Return road travel, light vehicle	km	100	0	0
2	Accommodation per person	P/night	1	0	0
3	Subsistence per person	P/day	1	0	0
4	Freight of materials up to one tonne	Trip	1	0	0
5	Emergency mobilisation and attendance within two hours	No	1	0	0
6	Emergency team standby, normal hours	Team/hr	1	0	0
7	Emergency team standby, after hours	Team/hr	1	0	0
8	Emergency minimum charge, first four hours	No	1	0	0
9	After-hours labour premium	P/hr	1	0	0
10	Weekend labour premium	P/hr	1	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - INGULA PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
11	Public holiday labour premium	P/hr	1	0	0
12	Temporary make-safe repair	No	1	0	0
13	Emergency temporary weatherproofing or leak arrest	No	1	0	0
14	Emergency environmental containment setup	No	1	0	0
15	Emergency condition report within 24 hours	No	1	0	0
	Carried to Summary				<u>0</u>

BILL NO 9

QUALITY, HANDOVER AND PROVISIONAL SUMS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Environmental condition monitoring record	Shift	1	0	0
2	Wet film thickness record	Shift	1	0	0
3	Dry film thickness reading and report	Point	1	0	0
4	Coating cure verification	Test	1	0	0
5	Final inspection and close-out	No	1	0	0
6	Task quality dossier	No	1	0	0
7	Manufacturer and applicator guarantee	No	1	0	0
8	Proven third-party materials and services, net cost	Prov Sum	1	0	0
9	Markup on proven third-party cost	%	10	0	0
10	Unscheduled specialist work	Prov Sum	1	0	0
	Carried to Summary				<u>0</u>

SUMMARY

ITEM NO	DESCRIPTION	UNIT	AMOUNT
1	Preliminary & General	Page	0
2	Assessment, Engineering And Ndt	Page	0
3	Access, Protection And Containment	Page	0
4	Surface Preparation	Page	0
5	Corrosion Protection Coatings And Linings	Page	0
6	Structural, Building And Piping Repairs	Page	0
7	Station-Specific Plant Works	Page	0
8	Logistics And Emergency Call-Outs	Page	0
9	Quality, Handover And Provisional Sums	Page	0
	Sub-total		<u>0</u>
	Allow Fifteen per cent (15%) Value Added Tax	TAX	0.15
	Total Tender		<u>0</u>

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - DRAKENSBERG PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 1					
PRELIMINARY & GENERAL					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Contractual requirements and contract establishment	Sum	1	0	0
2	Contractor offices, storage, workshops, ablutions and communications	No	1	0	0
3	Security of Contractor plant and personnel, fixed charge	Sum	1	0	0
4	Setting out and task preparation	Item	1	0	0
5	Initial Health and Safety plan, risk assessments and safe work procedures	Sum	1	0	0
6	Initial Environmental Management Plan compliance	Sum	1	0	0
7	Removal of site establishment	Sum	1	0	0
8	Contractual requirements, time related	Month	1	0	0
9	Operation and maintenance of site facilities	Month	1	0	0
10	Supervision for duration of the service	Month	1	0	0
11	Company and head office overhead costs	Month	1	0	0
12	Quality management, time related	Month	1	0	0
13	Security, time related	Month	1	0	0
14	Health and Safety compliance, time related	Month	1	0	0
15	Environmental compliance, time related	Month	1	0	0
Carried to Summary					0
BILL NO 2					
ASSESSMENT, ENGINEERING AND NDT					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Corrosion engineer or specialist	Hour	10	0	0
2	Registered professional engineer	Hour	10	0	0
3	Coating inspector, NACE/FROSIO or equivalent	Hour	10	0	0
4	Corrosion survey and photographic report	No	1	0	0
5	Visual inspection and corrosion mapping	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - DRAKENSBERG PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	Ultrasonic thickness readings	Point	10	0	0
7	Magnetic particle inspection	Point	10	0	0
8	Dye penetrant inspection	Point	10	0	0
9	Existing dry film thickness survey	Point	10	0	0
10	Pull-off adhesion testing and report	Test	5	0	0
Carried to Summary					<u>0</u>

BILL NO 3 ACCESS, PROTECTION AND CONTAINMENT

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Scaffolding erected and dismantled up to 5m	m2	100	0	0
2	Scaffolding erected and dismantled over 5m to 15m	m2	100	0	0
3	Scaffolding hire after initial period	m2/wk	100	0	0
4	Rope access team with Level 3 supervision	Day	1	0	0
5	Mobile elevated work platform including operator	Day	1	0	0
6	Confined-space standby and rescue team	Day	1	0	0
7	Temporary containment for blasting and coating	m2	100	0	0
Carried to Summary					<u>0</u>

BILL NO 4 SURFACE PREPARATION

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Potable water washing	m2	100	0	0
2	Degreasing and solvent cleaning	m2	100	0	0
3	Power tool cleaning to St2	m2	100	0	0
4	Power tool cleaning to St3	m2	100	0	0
5	Abrasive blast cleaning to Sa 2.5	m2	100	0	0
6	High pressure water jetting	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - DRAKENSBERG PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
7	Feather edging of existing coatings	m2	100	0	0
8	Rounding sharp steel edges to minimum 2mm radius	m	10	0	0
9	Soluble salt contamination testing	Test	5	0	0
10	Surface profile measurement	Test	5	0	0
11	Dust assessment by tape method	Test	5	0	0
12	Hazardous waste disposal at licensed facility	t	1	0	0
Carried to Summary					0

BILL NO 5 CORROSION PROTECTION COATINGS AND LININGS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Stripe coating to welds, edges and bolts	m	10	0	0
2	Epoxy zinc-rich primer coat	m2	100	0	0
3	High-build epoxy intermediate coat	m2	100	0	0
4	UV-resistant polyurethane finish coat	m2	100	0	0
5	Complete C5 atmospheric coating system	m2	100	0	0
6	Spot coating repair not exceeding 1m2	No	1	0	0
7	Full removal and recoating system	m2	100	0	0
8	Heat-resistant coating system	m2	100	0	0
9	Temporary preservation or inhibitor coating	m2	100	0	0
10	Freshwater immersion lining system	m2	100	0	0
11	Fuel, oil or chemical lining system	m2	100	0	0
12	Splash-zone abrasion-resistant system	m2	100	0	0
13	Holiday testing of lining	m2	100	0	0
14	Corrosion wrapping to pipe or weld	m	10	0	0
15	Flange wrapping up to DN300	No	10	0	0
Carried to Summary					0

BILL NO 6 STRUCTURAL, BUILDING AND PIPING REPAIRS

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - DRAKENSBERG PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Supply, fabricate and install structural steel	kg	250	0	0
2	Remove damaged structural steel	kg	250	0	0
3	Steel plate insert or patch repair	kg	100	0	0
4	Certified weld repair	m	10	0	0
5	Replace high-strength structural bolt set	No	20	0	0
6	Replace ordinary fastener set	No	20	0	0
7	Install galvanic isolation kit	No	10	0	0
8	Replace steel handrail	m	10	0	0
9	Replace steel ladder	m	10	0	0
10	Replace open-grid flooring	m2	20	0	0
11	Repair roof leak	No	10	0	0
12	Replace profiled roof sheeting	m2	100	0	0
13	Recoat metal roof	m2	100	0	0
14	Repair or replace roof flashing	m	20	0	0
15	Replace roof fasteners and washers	No	10	0	0
16	Repair waterproofing membrane	m2	10	0	0
17	Repair or replace gutter	m	20	0	0
18	Repair or replace downpipe	m	20	0	0
19	Replace external joint sealant	m	50	0	0
20	Prepare and recoat pipe up to 100mm OD	m	10	0	0
21	Prepare and recoat pipe 101-300mm OD	m	10	0	0
22	Prepare and recoat pipe over 300mm OD	m2	10	0	0
23	Replace fabricated pipe support	kg	250	0	0
24	Recoat valve body and actuator	No	5	0	0
Carried to Summary					0

BILL NO 7 **STATION-SPECIFIC PLANT WORKS**

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - DRAKENSBERG PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Waterway steelwork coating or lining	m2	1000	0	0
2	Trash rack, stoplog or gate rehabilitation	m2	250	0	0
3	Penstock, draft tube or spiral casing lining	m2	350	0	0
4	Embedded steel and concrete interface sealing	m	200	0	0
5	Hydro-mechanical fastener replacement	No	200	0	0
6	Crane rail clip replacement	No	200	0	0
7	Crane rail fastening replacement	No	200	0	0
8	Crane rail survey and alignment report	m	400	0	0
9	Crane rail alignment reinstatement	m	400	0	0
10	Concrete channel rehabilitation	m3	50	0	0
Carried to Summary					0

BILL NO 8 **LOGISTICS AND EMERGENCY CALL-OUTS**

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Return road travel, light vehicle	km	100	0	0
2	Accommodation per person	P/night	1	0	0
3	Subsistence per person	P/day	1	0	0
4	Freight of materials up to one tonne	Trip	1	0	0
5	Emergency mobilisation and attendance within two hours	No	1	0	0
6	Emergency team standby, normal hours	Team/hr	1	0	0
7	Emergency team standby, after hours	Team/hr	1	0	0
8	Emergency minimum charge, first four hours	No	1	0	0
9	After-hours labour premium	P/hr	1	0	0
10	Weekend labour premium	P/hr	1	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - DRAKENSBERG PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
11	Public holiday labour premium	P/hr	1	0	0
12	Temporary make-safe repair	No	1	0	0
13	Emergency temporary weatherproofing or leak arrest	No	1	0	0
14	Emergency environmental containment setup	No	1	0	0
15	Emergency condition report within 24 hours	No	1	0	0
	Carried to Summary				<u>0</u>

BILL NO 9

QUALITY, HANDOVER AND PROVISIONAL SUMS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Environmental condition monitoring record	Shift	1	0	0
2	Wet film thickness record	Shift	1	0	0
3	Dry film thickness reading and report	Point	1	0	0
4	Coating cure verification	Test	1	0	0
5	Final inspection and close-out	No	1	0	0
6	Task quality dossier	No	1	0	0
7	Manufacturer and applicator guarantee	No	1	0	0
8	Proven third-party materials and services, net cost	Prov Sum	1	0	0
9	Markup on proven third-party cost	%	10	0	0
10	Unscheduled specialist work	Prov Sum	1	0	0
	Carried to Summary				<u>0</u>

SUMMARY

ITEM NO	DESCRIPTION	UNIT	AMOUNT
1	Preliminary & General	Page	0
2	Assessment, Engineering And Ndt	Page	0
3	Access, Protection And Containment	Page	0
4	Surface Preparation	Page	0
5	Corrosion Protection Coatings And Linings	Page	0
6	Structural, Building And Piping Repairs	Page	0
7	Station-Specific Plant Works	Page	0
8	Logistics And Emergency Call-Outs	Page	0
9	Quality, Handover And Provisional Sums	Page	0
	Sub-total		<u>0</u>
	Allow Fifteen per cent (15%) Value Added Tax	TAX	0.15
	Total Tender		<u>0</u>

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PALMIET PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 1					
PRELIMINARY & GENERAL					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Contractual requirements and contract establishment	Sum	1	0	0
2	Contractor offices, storage, workshops, ablutions and communications	No	1	0	0
3	Security of Contractor plant and personnel, fixed charge	Sum	1	0	0
4	Setting out and task preparation	Item	1	0	0
5	Initial Health and Safety plan, risk assessments and safe work procedures	Sum	1	0	0
6	Initial Environmental Management Plan compliance	Sum	1	0	0
7	Removal of site establishment	Sum	1	0	0
8	Contractual requirements, time related	Month	1	0	0
9	Operation and maintenance of site facilities	Month	1	0	0
10	Supervision for duration of the service	Month	1	0	0
11	Company and head office overhead costs	Month	1	0	0
12	Quality management, time related	Month	1	0	0
13	Security, time related	Month	1	0	0
14	Health and Safety compliance, time related	Month	1	0	0
15	Environmental compliance, time related	Month	1	0	0
Carried to Summary					0
BILL NO 2					
ASSESSMENT, ENGINEERING AND NDT					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Corrosion engineer or specialist	Hour	10	0	0
2	Registered professional engineer	Hour	10	0	0
3	Coating inspector, NACE/FROSIO or equivalent	Hour	10	0	0
4	Corrosion survey and photographic report	No	1	0	0
5	Visual inspection and corrosion mapping	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PALMIET PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	Ultrasonic thickness readings	Point	10	0	0
7	Magnetic particle inspection	Point	10	0	0
8	Dye penetrant inspection	Point	10	0	0
9	Existing dry film thickness survey	Point	10	0	0
10	Pull-off adhesion testing and report	Test	5	0	0
Carried to Summary					<u>0</u>

BILL NO 3 ACCESS, PROTECTION AND CONTAINMENT

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Scaffolding erected and dismantled up to 5m	m2	100	0	0
2	Scaffolding erected and dismantled over 5m to 15m	m2	100	0	0
3	Scaffolding hire after initial period	m2/wk	100	0	0
4	Rope access team with Level 3 supervision	Day	1	0	0
5	Mobile elevated work platform including operator	Day	1	0	0
6	Confined-space standby and rescue team	Day	1	0	0
7	Temporary containment for blasting and coating	m2	100	0	0
Carried to Summary					<u>0</u>

BILL NO 4 SURFACE PREPARATION

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Potable water washing	m2	100	0	0
2	Degreasing and solvent cleaning	m2	100	0	0
3	Power tool cleaning to St2	m2	100	0	0
4	Power tool cleaning to St3	m2	100	0	0
5	Abrasive blast cleaning to Sa 2.5	m2	100	0	0
6	High pressure water jetting	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PALMIET PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
7	Feather edging of existing coatings	m2	100	0	0
8	Rounding sharp steel edges to minimum 2mm radius	m	10	0	0
9	Soluble salt contamination testing	Test	5	0	0
10	Surface profile measurement	Test	5	0	0
11	Dust assessment by tape method	Test	5	0	0
12	Hazardous waste disposal at licensed facility	t	1	0	0
Carried to Summary					0

BILL NO 5 CORROSION PROTECTION COATINGS AND LININGS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Stripe coating to welds, edges and bolts	m	10	0	0
2	Epoxy zinc-rich primer coat	m2	100	0	0
3	High-build epoxy intermediate coat	m2	100	0	0
4	UV-resistant polyurethane finish coat	m2	100	0	0
5	Complete C5 atmospheric coating system	m2	100	0	0
6	Spot coating repair not exceeding 1m2	No	1	0	0
7	Full removal and recoating system	m2	100	0	0
8	Heat-resistant coating system	m2	100	0	0
9	Temporary preservation or inhibitor coating	m2	100	0	0
10	Freshwater immersion lining system	m2	100	0	0
11	Fuel, oil or chemical lining system	m2	100	0	0
12	Splash-zone abrasion-resistant system	m2	100	0	0
13	Holiday testing of lining	m2	100	0	0
14	Corrosion wrapping to pipe or weld	m	10	0	0
15	Flange wrapping up to DN300	No	10	0	0
Carried to Summary					0

BILL NO 6 STRUCTURAL, BUILDING AND PIPING REPAIRS

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PALMIET PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Supply, fabricate and install structural steel	kg	250	0	0
2	Remove damaged structural steel	kg	250	0	0
3	Steel plate insert or patch repair	kg	100	0	0
4	Certified weld repair	m	10	0	0
5	Replace high-strength structural bolt set	No	20	0	0
6	Replace ordinary fastener set	No	20	0	0
7	Install galvanic isolation kit	No	10	0	0
8	Replace steel handrail	m	10	0	0
9	Replace steel ladder	m	10	0	0
10	Replace open-grid flooring	m2	20	0	0
11	Repair roof leak	No	10	0	0
12	Replace profiled roof sheeting	m2	100	0	0
13	Recoat metal roof	m2	100	0	0
14	Repair or replace roof flashing	m	20	0	0
15	Replace roof fasteners and washers	No	10	0	0
16	Repair waterproofing membrane	m2	10	0	0
17	Repair or replace gutter	m	20	0	0
18	Repair or replace downpipe	m	20	0	0
19	Replace external joint sealant	m	50	0	0
20	Prepare and recoat pipe up to 100mm OD	m	10	0	0
21	Prepare and recoat pipe 101-300mm OD	m	10	0	0
22	Prepare and recoat pipe over 300mm OD	m2	10	0	0
23	Replace fabricated pipe support	kg	250	0	0
24	Recoat valve body and actuator	No	5	0	0
Carried to Summary					0

BILL NO 7 **STATION-SPECIFIC PLANT WORKS**

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PALMIET PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Waterway steelwork coating or lining	m2	500	0	0
2	Trash rack, stoplog or gate rehabilitation	m2	100	0	0
3	Penstock, draft tube or spiral casing lining	m2	250	0	0
4	Embedded steel and concrete interface sealing	m	100	0	0
5	Hydro-mechanical fastener replacement	No	100	0	0
6	Crane rail clip replacement	No	100	0	0
7	Crane rail fastening replacement	No	100	0	0
8	Crane rail survey and alignment report	m	200	0	0
9	Crane rail alignment reinstatement	m	200	0	0
10	Concrete channel rehabilitation	m3	20	0	0
Carried to Summary					0

BILL NO 8 **LOGISTICS AND EMERGENCY CALL-OUTS**

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Return road travel, light vehicle	km	100	0	0
2	Accommodation per person	P/night	1	0	0
3	Subsistence per person	P/day	1	0	0
4	Freight of materials up to one tonne	Trip	1	0	0
5	Emergency mobilisation and attendance within two hours	No	1	0	0
6	Emergency team standby, normal hours	Team/hr	1	0	0
7	Emergency team standby, after hours	Team/hr	1	0	0
8	Emergency minimum charge, first four hours	No	1	0	0
9	After-hours labour premium	P/hr	1	0	0
10	Weekend labour premium	P/hr	1	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PALMIET PUMPED STORAGE SCHEME NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
11	Public holiday labour premium	P/hr	1	0	0
12	Temporary make-safe repair	No	1	0	0
13	Emergency temporary weatherproofing or leak arrest	No	1	0	0
14	Emergency environmental containment setup	No	1	0	0
15	Emergency condition report within 24 hours	No	1	0	0
	Carried to Summary	No	1	0	0
					0

BILL NO 9

QUALITY, HANDOVER AND PROVISIONAL SUMS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Environmental condition monitoring record	Shift	1	0	0
2	Wet film thickness record	Shift	1	0	0
3	Dry film thickness reading and report	Point	1	0	0
4	Coating cure verification	Test	1	0	0
5	Final inspection and close-out	No	1	0	0
6	Task quality dossier	No	1	0	0
7	Manufacturer and applicator guarantee	No	1	0	0
8	Proven third-party materials and services, net cost	Prov Sum	1	0	0
9	Markup on proven third-party cost	%	10	0	0
10	Unscheduled specialist work	Prov Sum	1	0	0
	Carried to Summary				0

SUMMARY

ITEM NO	DESCRIPTION	UNIT	AMOUNT
1	Preliminary & General	Page	0
2	Assessment, Engineering And Ndt	Page	0
3	Access, Protection And Containment	Page	0
4	Surface Preparation	Page	0
5	Corrosion Protection Coatings And Linings	Page	0
6	Structural, Building And Piping Repairs	Page	0
7	Station-Specific Plant Works	Page	0
8	Logistics And Emergency Call-Outs	Page	0
9	Quality, Handover And Provisional Sums	Page	0
	Sub-total		0
	Allow Fifteen per cent (15%) Value Added Tax	TAX	0.15
	Total Tender		0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - GARIEP HYDROPOWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 1					
PRELIMINARY & GENERAL					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Contractual requirements and contract establishment	Sum	1	0	0
2	Contractor offices, storage, workshops, ablutions and communications	No	1	0	0
3	Security of Contractor plant and personnel, fixed charge	Sum	1	0	0
4	Setting out and task preparation	Item	1	0	0
5	Initial Health and Safety plan, risk assessments and safe work procedures	Sum	1	0	0
6	Initial Environmental Management Plan compliance	Sum	1	0	0
7	Removal of site establishment	Sum	1	0	0
8	Contractual requirements, time related	Month	1	0	0
9	Operation and maintenance of site facilities	Month	1	0	0
10	Supervision for duration of the service	Month	1	0	0
11	Company and head office overhead costs	Month	1	0	0
12	Quality management, time related	Month	1	0	0
13	Security, time related	Month	1	0	0
14	Health and Safety compliance, time related	Month	1	0	0
15	Environmental compliance, time related	Month	1	0	0
Carried to Summary					0
BILL NO 2					
ASSESSMENT, ENGINEERING AND NDT					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Corrosion engineer or specialist	Hour	10	0	0
2	Registered professional engineer	Hour	10	0	0
3	Coating inspector, NACE/FROSIO or equivalent	Hour	10	0	0
4	Corrosion survey and photographic report	No	1	0	0
5	Visual inspection and corrosion mapping	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - GARIEP HYDROPOWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	Ultrasonic thickness readings	Point	10	0	0
7	Magnetic particle inspection	Point	10	0	0
8	Dye penetrant inspection	Point	10	0	0
9	Existing dry film thickness survey	Point	10	0	0
10	Pull-off adhesion testing and report	Test	5	0	0
Carried to Summary					<u>0</u>

BILL NO 3 ACCESS, PROTECTION AND CONTAINMENT

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Scaffolding erected and dismantled up to 5m	m2	100	0	0
2	Scaffolding erected and dismantled over 5m to 15m	m2	100	0	0
3	Scaffolding hire after initial period	m2/wk	100	0	0
4	Rope access team with Level 3 supervision	Day	1	0	0
5	Mobile elevated work platform including operator	Day	1	0	0
6	Confined-space standby and rescue team	Day	1	0	0
7	Temporary containment for blasting and coating	m2	100	0	0
Carried to Summary					<u>0</u>

BILL NO 4 SURFACE PREPARATION

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Potable water washing	m2	100	0	0
2	Degreasing and solvent cleaning	m2	100	0	0
3	Power tool cleaning to St2	m2	100	0	0
4	Power tool cleaning to St3	m2	100	0	0
5	Abrasive blast cleaning to Sa 2.5	m2	100	0	0
6	High pressure water jetting	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - GARIEP HYDROPOWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
7	Feather edging of existing coatings	m2	100	0	0
8	Rounding sharp steel edges to minimum 2mm radius	m	10	0	0
9	Soluble salt contamination testing	Test	5	0	0
10	Surface profile measurement	Test	5	0	0
11	Dust assessment by tape method	Test	5	0	0
12	Hazardous waste disposal at licensed facility	t	1	0	0
Carried to Summary					0

BILL NO 5 CORROSION PROTECTION COATINGS AND LININGS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Stripe coating to welds, edges and bolts	m	10	0	0
2	Epoxy zinc-rich primer coat	m2	100	0	0
3	High-build epoxy intermediate coat	m2	100	0	0
4	UV-resistant polyurethane finish coat	m2	100	0	0
5	Complete C5 atmospheric coating system	m2	100	0	0
6	Spot coating repair not exceeding 1m2	No	1	0	0
7	Full removal and recoating system	m2	100	0	0
8	Heat-resistant coating system	m2	100	0	0
9	Temporary preservation or inhibitor coating	m2	100	0	0
10	Freshwater immersion lining system	m2	100	0	0
11	Fuel, oil or chemical lining system	m2	100	0	0
12	Splash-zone abrasion-resistant system	m2	100	0	0
13	Holiday testing of lining	m2	100	0	0
14	Corrosion wrapping to pipe or weld	m	10	0	0
15	Flange wrapping up to DN300	No	10	0	0
Carried to Summary					0

BILL NO 6 STRUCTURAL, BUILDING AND PIPING REPAIRS

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - GARIEP HYDROPOWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Supply, fabricate and install structural steel	kg	250	0	0
2	Remove damaged structural steel	kg	250	0	0
3	Steel plate insert or patch repair	kg	100	0	0
4	Certified weld repair	m	10	0	0
5	Replace high-strength structural bolt set	No	20	0	0
6	Replace ordinary fastener set	No	20	0	0
7	Install galvanic isolation kit	No	10	0	0
8	Replace steel handrail	m	10	0	0
9	Replace steel ladder	m	10	0	0
10	Replace open-grid flooring	m2	20	0	0
11	Repair roof leak	No	10	0	0
12	Replace profiled roof sheeting	m2	100	0	0
13	Recoat metal roof	m2	100	0	0
14	Repair or replace roof flashing	m	20	0	0
15	Replace roof fasteners and washers	No	10	0	0
16	Repair waterproofing membrane	m2	10	0	0
17	Repair or replace gutter	m	20	0	0
18	Repair or replace downpipe	m	20	0	0
19	Replace external joint sealant	m	50	0	0
20	Prepare and recoat pipe up to 100mm OD	m	10	0	0
21	Prepare and recoat pipe 101-300mm OD	m	10	0	0
22	Prepare and recoat pipe over 300mm OD	m2	10	0	0
23	Replace fabricated pipe support	kg	250	0	0
24	Recoat valve body and actuator	No	5	0	0
Carried to Summary					0

BILL NO 7 **STATION-SPECIFIC PLANT WORKS**

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - GARIEP HYDROPOWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Waterway steelwork coating or lining	m2	500	0	0
2	Trash rack, stoplog or gate rehabilitation	m2	100	0	0
3	Penstock, draft tube or spiral casing lining	m2	250	0	0
4	Embedded steel and concrete interface sealing	m	100	0	0
5	Hydro-mechanical fastener replacement	No	100	0	0
6	Crane rail clip replacement	No	100	0	0
7	Crane rail fastening replacement	No	100	0	0
8	Crane rail survey and alignment report	m	200	0	0
9	Crane rail alignment reinstatement	m	200	0	0
10	Concrete channel rehabilitation	m3	20	0	0
Carried to Summary					0

BILL NO 8 **LOGISTICS AND EMERGENCY CALL-OUTS**

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Return road travel, light vehicle	km	100	0	0
2	Accommodation per person	P/night	1	0	0
3	Subsistence per person	P/day	1	0	0
4	Freight of materials up to one tonne	Trip	1	0	0
5	Emergency mobilisation and attendance within two hours	No	1	0	0
6	Emergency team standby, normal hours	Team/hr	1	0	0
7	Emergency team standby, after hours	Team/hr	1	0	0
8	Emergency minimum charge, first four hours	No	1	0	0
9	After-hours labour premium	P/hr	1	0	0
10	Weekend labour premium	P/hr	1	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - GARIEP HYDROPOWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
11	Public holiday labour premium	P/hr	1	0	0
12	Temporary make-safe repair	No	1	0	0
13	Emergency temporary weatherproofing or leak arrest	No	1	0	0
14	Emergency environmental containment setup	No	1	0	0
15	Emergency condition report within 24 hours	No	1	0	0
	Carried to Summary				<u>0</u>

BILL NO 9

QUALITY, HANDOVER AND PROVISIONAL SUMS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Environmental condition monitoring record	Shift	1	0	0
2	Wet film thickness record	Shift	1	0	0
3	Dry film thickness reading and report	Point	1	0	0
4	Coating cure verification	Test	1	0	0
5	Final inspection and close-out	No	1	0	0
6	Task quality dossier	No	1	0	0
7	Manufacturer and applicator guarantee	No	1	0	0
8	Proven third-party materials and services, net cost	Prov Sum	1	0	0
9	Markup on proven third-party cost	%	10	0	0
10	Unscheduled specialist work	Prov Sum	1	0	0
	Carried to Summary				<u>0</u>

SUMMARY

ITEM NO	DESCRIPTION	UNIT	AMOUNT
1	Preliminary & General	Page	0
2	Assessment, Engineering And Ndt	Page	0
3	Access, Protection And Containment	Page	0
4	Surface Preparation	Page	0
5	Corrosion Protection Coatings And Linings	Page	0
6	Structural, Building And Piping Repairs	Page	0
7	Station-Specific Plant Works	Page	0
8	Logistics And Emergency Call-Outs	Page	0
9	Quality, Handover And Provisional Sums	Page	0
	Sub-total		<u>0</u>
	Allow Fifteen per cent (15%) Value Added Tax	TAX	0.15
	Total Tender		<u>0</u>

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - VANDERKLOOF HYDROPOWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 1					
PRELIMINARY & GENERAL					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Contractual requirements and contract establishment	Sum	1	0	0
2	Contractor offices, storage, workshops, ablutions and communications	No	1	0	0
3	Security of Contractor plant and personnel, fixed charge	Sum	1	0	0
4	Setting out and task preparation	Item	1	0	0
5	Initial Health and Safety plan, risk assessments and safe work procedures	Sum	1	0	0
6	Initial Environmental Management Plan compliance	Sum	1	0	0
7	Removal of site establishment	Sum	1	0	0
8	Contractual requirements, time related	Month	1	0	0
9	Operation and maintenance of site facilities	Month	1	0	0
10	Supervision for duration of the service	Month	1	0	0
11	Company and head office overhead costs	Month	1	0	0
12	Quality management, time related	Month	1	0	0
13	Security, time related	Month	1	0	0
14	Health and Safety compliance, time related	Month	1	0	0
15	Environmental compliance, time related	Month	1	0	0
Carried to Summary					0
BILL NO 2					
ASSESSMENT, ENGINEERING AND NDT					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Corrosion engineer or specialist	Hour	10	0	0
2	Registered professional engineer	Hour	10	0	0
3	Coating inspector, NACE/FROSIO or equivalent	Hour	10	0	0
4	Corrosion survey and photographic report	No	1	0	0
5	Visual inspection and corrosion mapping	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - VANDERKLOOF HYDROPOWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	Ultrasonic thickness readings	Point	10	0	0
7	Magnetic particle inspection	Point	10	0	0
8	Dye penetrant inspection	Point	10	0	0
9	Existing dry film thickness survey	Point	10	0	0
10	Pull-off adhesion testing and report	Test	5	0	0
Carried to Summary					<u>0</u>

BILL NO 3 ACCESS, PROTECTION AND CONTAINMENT

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Scaffolding erected and dismantled up to 5m	m2	100	0	0
2	Scaffolding erected and dismantled over 5m to 15m	m2	100	0	0
3	Scaffolding hire after initial period	m2/wk	100	0	0
4	Rope access team with Level 3 supervision	Day	1	0	0
5	Mobile elevated work platform including operator	Day	1	0	0
6	Confined-space standby and rescue team	Day	1	0	0
7	Temporary containment for blasting and coating	m2	100	0	0
Carried to Summary					<u>0</u>

BILL NO 4 SURFACE PREPARATION

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Potable water washing	m2	100	0	0
2	Degreasing and solvent cleaning	m2	100	0	0
3	Power tool cleaning to St2	m2	100	0	0
4	Power tool cleaning to St3	m2	100	0	0
5	Abrasive blast cleaning to Sa 2.5	m2	100	0	0
6	High pressure water jetting	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - VANDERKLOOF HYDROPOWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
7	Feather edging of existing coatings	m2	100	0	0
8	Rounding sharp steel edges to minimum 2mm radius	m	10	0	0
9	Soluble salt contamination testing	Test	5	0	0
10	Surface profile measurement	Test	5	0	0
11	Dust assessment by tape method	Test	5	0	0
12	Hazardous waste disposal at licensed facility	t	1	0	0
Carried to Summary					0

BILL NO 5 CORROSION PROTECTION COATINGS AND LININGS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Stripe coating to welds, edges and bolts	m	10	0	0
2	Epoxy zinc-rich primer coat	m2	100	0	0
3	High-build epoxy intermediate coat	m2	100	0	0
4	UV-resistant polyurethane finish coat	m2	100	0	0
5	Complete C5 atmospheric coating system	m2	100	0	0
6	Spot coating repair not exceeding 1m2	No	1	0	0
7	Full removal and recoating system	m2	100	0	0
8	Heat-resistant coating system	m2	100	0	0
9	Temporary preservation or inhibitor coating	m2	100	0	0
10	Freshwater immersion lining system	m2	100	0	0
11	Fuel, oil or chemical lining system	m2	100	0	0
12	Splash-zone abrasion-resistant system	m2	100	0	0
13	Holiday testing of lining	m2	100	0	0
14	Corrosion wrapping to pipe or weld	m	10	0	0
15	Flange wrapping up to DN300	No	10	0	0
Carried to Summary					0

BILL NO 6 STRUCTURAL, BUILDING AND PIPING REPAIRS

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - VANDERKLOOF HYDROPOWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Supply, fabricate and install structural steel	kg	250	0	0
2	Remove damaged structural steel	kg	250	0	0
3	Steel plate insert or patch repair	kg	100	0	0
4	Certified weld repair	m	10	0	0
5	Replace high-strength structural bolt set	No	20	0	0
6	Replace ordinary fastener set	No	20	0	0
7	Install galvanic isolation kit	No	10	0	0
8	Replace steel handrail	m	10	0	0
9	Replace steel ladder	m	10	0	0
10	Replace open-grid flooring	m2	20	0	0
11	Repair roof leak	No	10	0	0
12	Replace profiled roof sheeting	m2	100	0	0
13	Recoat metal roof	m2	100	0	0
14	Repair or replace roof flashing	m	20	0	0
15	Replace roof fasteners and washers	No	10	0	0
16	Repair waterproofing membrane	m2	10	0	0
17	Repair or replace gutter	m	20	0	0
18	Repair or replace downpipe	m	20	0	0
19	Replace external joint sealant	m	50	0	0
20	Prepare and recoat pipe up to 100mm OD	m	10	0	0
21	Prepare and recoat pipe 101-300mm OD	m	10	0	0
22	Prepare and recoat pipe over 300mm OD	m2	10	0	0
23	Replace fabricated pipe support	kg	250	0	0
24	Recoat valve body and actuator	No	5	0	0
Carried to Summary					0

BILL NO 7 **STATION-SPECIFIC PLANT WORKS**

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - VANDERKLOOF HYDROPOWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Waterway steelwork coating or lining	m2	500	0	0
2	Trash rack, stoplog or gate rehabilitation	m2	100	0	0
3	Penstock, draft tube or spiral casing lining	m2	250	0	0
4	Embedded steel and concrete interface sealing	m	100	0	0
5	Hydro-mechanical fastener replacement	No	100	0	0
6	Crane rail clip replacement	No	100	0	0
7	Crane rail fastening replacement	No	100	0	0
8	Crane rail survey and alignment report	m	200	0	0
9	Crane rail alignment reinstatement	m	200	0	0
10	Concrete channel rehabilitation	m3	20	0	0
Carried to Summary					0

BILL NO 8 **LOGISTICS AND EMERGENCY CALL-OUTS**

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Return road travel, light vehicle	km	100	0	0
2	Accommodation per person	P/night	1	0	0
3	Subsistence per person	P/day	1	0	0
4	Freight of materials up to one tonne	Trip	1	0	0
5	Emergency mobilisation and attendance within two hours	No	1	0	0
6	Emergency team standby, normal hours	Team/hr	1	0	0
7	Emergency team standby, after hours	Team/hr	1	0	0
8	Emergency minimum charge, first four hours	No	1	0	0
9	After-hours labour premium	P/hr	1	0	0
10	Weekend labour premium	P/hr	1	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - VANDERKLOOF HYDROPOWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
11	Public holiday labour premium	P/hr	1	0	0
12	Temporary make-safe repair	No	1	0	0
13	Emergency temporary weatherproofing or leak arrest	No	1	0	0
14	Emergency environmental containment setup	No	1	0	0
15	Emergency condition report within 24 hours	No	1	0	0
	Carried to Summary				<u>0</u>

BILL NO 9

QUALITY, HANDOVER AND PROVISIONAL SUMS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Environmental condition monitoring record	Shift	1	0	0
2	Wet film thickness record	Shift	1	0	0
3	Dry film thickness reading and report	Point	1	0	0
4	Coating cure verification	Test	1	0	0
5	Final inspection and close-out	No	1	0	0
6	Task quality dossier	No	1	0	0
7	Manufacturer and applicator guarantee	No	1	0	0
8	Proven third-party materials and services, net cost	Prov Sum	1	0	0
9	Markup on proven third-party cost	%	10	0	0
10	Unscheduled specialist work	Prov Sum	1	0	0
	Carried to Summary				<u>0</u>

SUMMARY

ITEM NO	DESCRIPTION	UNIT	AMOUNT
1	Preliminary & General	Page	0
2	Assessment, Engineering And Ndt	Page	0
3	Access, Protection And Containment	Page	0
4	Surface Preparation	Page	0
5	Corrosion Protection Coatings And Linings	Page	0
6	Structural, Building And Piping Repairs	Page	0
7	Station-Specific Plant Works	Page	0
8	Logistics And Emergency Call-Outs	Page	0
9	Quality, Handover And Provisional Sums	Page	0
	Sub-total		<u>0</u>
	Allow Fifteen per cent (15%) Value Added Tax	TAX	0.15
	Total Tender		<u>0</u>

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PORT REX POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 1					
PRELIMINARY & GENERAL					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Contractual requirements and contract establishment	Sum	1	0	0
2	Contractor offices, storage, workshops, ablutions and communications	No	1	0	0
3	Security of Contractor plant and personnel, fixed charge	Sum	1	0	0
4	Setting out and task preparation	Item	1	0	0
5	Initial Health and Safety plan, risk assessments and safe work procedures	Sum	1	0	0
6	Initial Environmental Management Plan compliance	Sum	1	0	0
7	Removal of site establishment	Sum	1	0	0
8	Contractual requirements, time related	Month	1	0	0
9	Operation and maintenance of site facilities	Month	1	0	0
10	Supervision for duration of the service	Month	1	0	0
11	Company and head office overhead costs	Month	1	0	0
12	Quality management, time related	Month	1	0	0
13	Security, time related	Month	1	0	0
14	Health and Safety compliance, time related	Month	1	0	0
15	Environmental compliance, time related	Month	1	0	0
Carried to Summary					0
BILL NO 2					
ASSESSMENT, ENGINEERING AND NDT					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Corrosion engineer or specialist	Hour	10	0	0
2	Registered professional engineer	Hour	10	0	0
3	Coating inspector, NACE/FROSIO or equivalent	Hour	10	0	0
4	Corrosion survey and photographic report	No	1	0	0
5	Visual inspection and corrosion mapping	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PORT REX POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	Ultrasonic thickness readings	Point	10	0	0
7	Magnetic particle inspection	Point	10	0	0
8	Dye penetrant inspection	Point	10	0	0
9	Existing dry film thickness survey	Point	10	0	0
10	Radiography NDT	Per/Frame	10	0	0
11	Pull-off adhesion testing and report	Test	5	0	0
Carried to Summary					0

BILL NO 3 ACCESS, PROTECTION AND CONTAINMENT

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Scaffolding erected and dismantled up to 5m	m2	100	0	0
2	Scaffolding erected and dismantled over 5m to 15m	m2	100	0	0
3	Scaffolding hire after initial period	m2/wk	100	0	0
4	Rope access team with Level 3 supervision	Day	1	0	0
5	Mobile elevated work platform including operator	Day	1	0	0
6	Confined-space standby and rescue team	Day	1	0	0
7	Temporary containment for blasting and coating	m2	100	0	0
Carried to Summary					0

BILL NO 4 SURFACE PREPARATION

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Potable water washing	m2	100	0	0
2	Degreasing and solvent cleaning	m2	100	0	0
3	Power tool cleaning to St2	m2	100	0	0
4	Power tool cleaning to St3	m2	100	0	0
5	Abrasive blast cleaning to Sa 2.5	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PORT REX POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	High pressure water jetting	m2	100	0	0
7	Feather edging of existing coatings	m2	100	0	0
8	Rounding sharp steel edges to minimum 2mm radius	m	10	0	0
9	Soluble salt contamination testing	Test	5	0	0
10	Surface profile measurement	Test	5	0	0
11	Dust assessment by tape method	Test	5	0	0
12	Hazardous waste disposal at licensed facility	t	1	0	0
Carried to Summary					<u>0</u>

BILL NO 5 CORROSION PROTECTION COATINGS AND LININGS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Stripe coating to welds, edges and bolts	m	10	0	0
2	Epoxy zinc-rich primer coat	m2	100	0	0
3	High-build epoxy intermediate coat	m2	100	0	0
4	UV-resistant polyurethane finish coat	m2	100	0	0
5	Complete C5 atmospheric coating system	m2	100	0	0
6	Spot coating repair not exceeding 1m2	No	1	0	0
7	Full removal and recoating system	m2	100	0	0
8	Heat-resistant coating system	m2	100	0	0
9	Temporary preservation or inhibitor coating	m2	100	0	0
10	Freshwater immersion lining system	m2	100	0	0
11	Fuel, oil or chemical lining system	m2	100	0	0
12	Splash-zone abrasion-resistant system	m2	100	0	0
13	Holiday testing of lining	m2	100	0	0
14	Corrosion wrapping to pipe or weld	m	10	0	0
15	Flange wrapping up to DN300	No	10	0	0
Carried to Summary					<u>0</u>

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PORT REX POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 6					
STRUCTURAL, BUILDING AND PIPING REPAIRS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Supply, fabricate and install structural steel	kg	250	0	0
2	Remove damaged structural steel	kg	250	0	0
3	Steel plate insert or patch repair	kg	100	0	0
4	Certified weld repair	m	10	0	0
5	Replace high-strength structural bolt set	No	20	0	0
6	Replace ordinary fastener set	No	20	0	0
7	Install galvanic isolation kit	No	10	0	0
8	Replace steel handrail	m	10	0	0
9	Replace steel ladder	m	10	0	0
10	Replace open-grid flooring	m2	20	0	0
11	Repair roof leak	No	10	0	0
12	Replace profiled roof sheeting	m2	100	0	0
13	Recoat metal roof	m2	100	0	0
14	Repair or replace roof flashing	m	20	0	0
15	Replace roof fasteners and washers	No	10	0	0
16	Repair waterproofing membrane	m2	10	0	0
17	Repair or replace gutter	m	20	0	0
18	Repair or replace downpipe	m	20	0	0
19	Replace external joint sealant	m	50	0	0
20	Prepare and recoat pipe up to 100mm OD	m	10	0	0
21	Prepare and recoat pipe 101-300mm OD	m	10	0	0
22	Prepare and recoat pipe over 300mm OD	m2	10	0	0
23	Replace fabricated pipe support	kg	250	0	0
24	Recoat valve body and actuator	No	5	0	0
Carried to Summary					0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PORT REX POWER STATION NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 7					
STATION-SPECIFIC PLANT WORKS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	External tank shell coating rehabilitation	m2	300	0	0
2	External tank roof coating rehabilitation	m2	300	0	0
3	Tank chime and plinth seal restoration	m	100	0	0
4	Tank nozzle or manhole local repair	No	10	0	0
5	Fuel unloading bay rehabilitation	m2	500	0	0
6	Ignition gas yard coating rehabilitation	m2	200	0	0
7	Air intake joint and sealant repair	m	100	0	0
Carried to Summary					0
BILL NO 8					
LOGISTICS AND EMERGENCY CALL-OUTS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Return road travel, light vehicle	km	100	0	0
2	Accommodation per person	P/night	1	0	0
3	Subsistence per person	P/day	1	0	0
4	Freight of materials up to one tonne	Trip	1	0	0
5	Emergency mobilisation and attendance within two hours	No	1	0	0
6	Emergency team standby, normal hours	Team/hr	1	0	0
7	Emergency team standby, after hours	Team/hr	1	0	0
8	Emergency minimum charge, first four hours	No	1	0	0
9	After-hours labour premium	P/hr	1	0	0
10	Weekend labour premium	P/hr	1	0	0
11	Public holiday labour premium	P/hr	1	0	0
12	Temporary make-safe repair	No	1	0	0

TENDER PRICE LIST**PROJECT: CORROSION PROTECTION SERVICES - PORT REX POWER STATION
NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA**

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
13	Emergency temporary weatherproofing or leak arrest	No	1	0	0
14	Emergency environmental containment setup	No	1	0	0
15	Emergency condition report within 24 hours	No	1	0	0
Carried to Summary					0

BILL NO 9**QUALITY, HANDOVER AND PROVISIONAL SUMS****SUPPLEMENTARY PREAMBLES / PRICING NOTES**

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Environmental condition monitoring record	Shift	1	0	0
2	Wet film thickness record	Shift	1	0	0
3	Dry film thickness reading and report	Point	1	0	0
4	Coating cure verification	Test	1	0	0
5	Final inspection and close-out	No	1	0	0
6	Task quality dossier	No	1	0	0
7	Manufacturer and applicator guarantee	No	1	0	0
8	Proven third-party materials and services, net cost	Prov Sum	1	0	0
9	Markup on proven third-party cost	%	10	0	0
10	Unscheduled specialist work	Prov Sum	1	0	0
Carried to Summary					0

SUMMARY

ITEM NO	DESCRIPTION	UNIT	AMOUNT
1	Preliminary & General	Page	0
2	Assessment, Engineering And Ndt	Page	0
3	Access, Protection And Containment	Page	0
4	Surface Preparation	Page	0
5	Corrosion Protection Coatings And Linings	Page	0
6	Structural, Building And Piping Repairs	Page	0
7	Station-Specific Plant Works	Page	0
8	Logistics And Emergency Call-Outs	Page	0
9	Quality, Handover And Provisional Sums	Page	0
Sub-total			0
	Allow Fifteen per cent (15%) Value Added Tax	TAX	0
Total Tender			0

QUANTITY SURVEYOR'S REPORT

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PORT REX POWER STATION
NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 1					
PRELIMINARY & GENERAL					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Contractual requirements and contract establishment	Sum	1	0	0
2	Contractor offices, storage, workshops, ablutions and communications	No	1	0	0
3	Security of Contractor plant and personnel, fixed charge	Sum	1	0	0
4	Setting out and task preparation	Item	1	0	0
5	Initial Health and Safety plan, risk assessments and safe work procedures	Sum	1	0	0
6	Initial Environmental Management Plan compliance	Sum	1	0	0
7	Removal of site establishment	Sum	1	0	0
8	Contractual requirements, time related	Month	1	0	0
9	Operation and maintenance of site facilities	Month	1	0	0
10	Supervision for duration of the service	Month	1	0	0
11	Company and head office overhead costs	Month	1	0	0
12	Quality management, time related	Month	1	0	0
13	Security, time related	Month	1	0	0
14	Health and Safety compliance, time related	Month	1	0	0
15	Environmental compliance, time related	Month	1	0	0
Carried to Summary					0
BILL NO 2					
ASSESSMENT, ENGINEERING AND NDT					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Corrosion engineer or specialist	Hour	10	0	0
2	Registered professional engineer	Hour	10	0	0
3	Coating inspector, NACE/FROSIO or equivalent	Hour	10	0	0
4	Corrosion survey and photographic report	No	1	0	0
5	Visual inspection and corrosion mapping	m2	100	0	0

QUANTITY SURVEYOR'S REPORT

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PORT REX POWER STATION
NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	Ultrasonic thickness readings	Point	10	0	0
7	Magnetic particle inspection	Point	10	0	0
8	Dye penetrant inspection	Point	10	0	0
9	Existing dry film thickness survey	Point	10	0	0
10	Radiography NDT	Per/Frame	10	0	0
11	Pull-off adhesion testing and report	Test	5	0	0
Carried to Summary					0

BILL NO 3

ACCESS, PROTECTION AND CONTAINMENT

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Scaffolding erected and dismantled up to 5m	m2	100	0	0
2	Scaffolding erected and dismantled over 5m to 15m	m2	100	0	0
3	Scaffolding hire after initial period	m2/wk	100	0	0
4	Rope access team with Level 3 supervision	Day	1	0	0
5	Mobile elevated work platform including operator	Day	1	0	0
6	Confined-space standby and rescue team	Day	1	0	0
7	Temporary containment for blasting and coating	m2	100	0	0
Carried to Summary					0

BILL NO 4

SURFACE PREPARATION

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Potable water washing	m2	100	0	0
2	Degreasing and solvent cleaning	m2	100	0	0
3	Power tool cleaning to St2	m2	100	0	0
4	Power tool cleaning to St3	m2	100	0	0
5	Abrasive blast cleaning to Sa 2.5	m2	100	0	0

QUANTITY SURVEYOR'S REPORT

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PORT REX POWER STATION
NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	High pressure water jetting	m2	100	0	0
7	Feather edging of existing coatings	m2	100	0	0
8	Rounding sharp steel edges to minimum 2mm radius	m	10	0	0
9	Soluble salt contamination testing	Test	5	0	0
10	Surface profile measurement	Test	5	0	0
11	Dust assessment by tape method	Test	5	0	0
12	Hazardous waste disposal at licensed facility	t	1	0	0
Carried to Summary					0

BILL NO 5 **CORROSION PROTECTION COATINGS AND LININGS**

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Stripe coating to welds, edges and bolts	m	10	0	0
2	Epoxy zinc-rich primer coat	m2	100	0	0
3	High-build epoxy intermediate coat	m2	100	0	0
4	UV-resistant polyurethane finish coat	m2	100	0	0
5	Complete C5 atmospheric coating system	m2	100	0	0
6	Spot coating repair not exceeding 1m2	No	1	0	0
7	Full removal and recoating system	m2	100	0	0
8	Heat-resistant coating system	m2	100	0	0
9	Temporary preservation or inhibitor coating	m2	100	0	0
10	Freshwater immersion lining system	m2	100	0	0
11	Fuel, oil or chemical lining system	m2	100	0	0
12	Splash-zone abrasion-resistant system	m2	100	0	0
13	Holiday testing of lining	m2	100	0	0
14	Corrosion wrapping to pipe or weld	m	10	0	0
15	Flange wrapping up to DN300	No	10	0	0
Carried to Summary					0

QUANTITY SURVEYOR'S REPORT

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PORT REX POWER STATION
NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 6					
STRUCTURAL, BUILDING AND PIPING REPAIRS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Supply, fabricate and install structural steel	kg	250	0	0
2	Remove damaged structural steel	kg	250	0	0
3	Steel plate insert or patch repair	kg	100	0	0
4	Certified weld repair	m	10	0	0
5	Replace high-strength structural bolt set	No	20	0	0
6	Replace ordinary fastener set	No	20	0	0
7	Install galvanic isolation kit	No	10	0	0
8	Replace steel handrail	m	10	0	0
9	Replace steel ladder	m	10	0	0
10	Replace open-grid flooring	m2	20	0	0
11	Repair roof leak	No	10	0	0
12	Replace profiled roof sheeting	m2	100	0	0
13	Recoat metal roof	m2	100	0	0
14	Repair or replace roof flashing	m	20	0	0
15	Replace roof fasteners and washers	No	10	0	0
16	Repair waterproofing membrane	m2	10	0	0
17	Repair or replace gutter	m	20	0	0
18	Repair or replace downpipe	m	20	0	0
19	Replace external joint sealant	m	50	0	0
20	Prepare and recoat pipe up to 100mm OD	m	10	0	0
21	Prepare and recoat pipe 101-300mm OD	m	10	0	0
22	Prepare and recoat pipe over 300mm OD	m2	10	0	0
23	Replace fabricated pipe support	kg	250	0	0
24	Recoat valve body and actuator	No	5	0	0
Carried to Summary					0

QUANTITY SURVEYOR'S REPORT

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PORT REX POWER STATION
NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 7					
STATION-SPECIFIC PLANT WORKS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	External tank shell coating rehabilitation	m2	300	0	0
2	External tank roof coating rehabilitation	m2	300	0	0
3	Tank chime and plinth seal restoration	m	100	0	0
4	Tank nozzle or manhole local repair	No	10	0	0
5	Fuel unloading bay rehabilitation	m2	500	0	0
6	Ignition gas yard coating rehabilitation	m2	200	0	0
7	Air intake joint and sealant repair	m	100	0	0
Carried to Summary					0
BILL NO 8					
LOGISTICS AND EMERGENCY CALL-OUTS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Return road travel, light vehicle	km	100	0	0
2	Accommodation per person	P/night	1	0	0
3	Subsistence per person	P/day	1	0	0
4	Freight of materials up to one tonne	Trip	1	0	0
5	Emergency mobilisation and attendance within two hours	No	1	0	0
6	Emergency team standby, normal hours	Team/hr	1	0	0
7	Emergency team standby, after hours	Team/hr	1	0	0
8	Emergency minimum charge, first four hours	No	1	0	0
9	After-hours labour premium	P/hr	1	0	0
10	Weekend labour premium	P/hr	1	0	0
11	Public holiday labour premium	P/hr	1	0	0
12	Temporary make-safe repair	No	1	0	0

QUANTITY SURVEYOR'S REPORT

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - PORT REX POWER STATION
NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
13	Emergency temporary weatherproofing or leak arrest	No	1	0	0
14	Emergency environmental containment setup	No	1	0	0
15	Emergency condition report within 24 hours	No	1	0	0
Carried to Summary					<u>0</u>

BILL NO 9

QUALITY, HANDOVER AND PROVISIONAL SUMS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Environmental condition monitoring record	Shift	1	0	0
2	Wet film thickness record	Shift	1	0	0
3	Dry film thickness reading and report	Point	1	0	0
4	Coating cure verification	Test	1	0	0
5	Final inspection and close-out	No	1	0	0
6	Task quality dossier	No	1	0	0
7	Manufacturer and applicator guarantee	No	1	0	0
8	Proven third-party materials and services, net cost	Prov Sum	1	0	0
9	Markup on proven third-party cost	%	10	0	0
10	Unscheduled specialist work	Prov Sum	1	0	0
Carried to Summary					<u>0</u>

SUMMARY

ITEM NO	DESCRIPTION	UNIT	AMOUNT
1	Preliminary & General	Page	0
2	Assessment, Engineering And Ndt	Page	0
3	Access, Protection And Containment	Page	0
4	Surface Preparation	Page	0
5	Corrosion Protection Coatings And Linings	Page	0
6	Structural, Building And Piping Repairs	Page	0
7	Station-Specific Plant Works	Page	0
8	Logistics And Emergency Call-Outs	Page	0
9	Quality, Handover And Provisional Sums	Page	0
Sub-total			<u>0</u>
Allow Fifteen per cent (15%) Value Added Tax			<u>0</u>
Total Tender			<u>0</u>

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - SERE WIND FARM NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 1					
PRELIMINARY & GENERAL					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Contractual requirements and contract establishment	Sum	1	0	0
2	Contractor offices, storage, workshops, ablutions and communications	No	1	0	0
3	Security of Contractor plant and personnel, fixed charge	Sum	1	0	0
4	Setting out and task preparation	Item	1	0	0
5	Initial Health and Safety plan, risk assessments and safe work procedures	Sum	1	0	0
6	Initial Environmental Management Plan compliance	Sum	1	0	0
7	Removal of site establishment	Sum	1	0	0
8	Contractual requirements, time related	Month	1	0	0
9	Operation and maintenance of site facilities	Month	1	0	0
10	Supervision for duration of the service	Month	1	0	0
11	Company and head office overhead costs	Month	1	0	0
12	Quality management, time related	Month	1	0	0
13	Security, time related	Month	1	0	0
14	Health and Safety compliance, time related	Month	1	0	0
15	Environmental compliance, time related	Month	1	0	0
Carried to Summary					0
BILL NO 2					
ASSESSMENT, ENGINEERING AND NDT					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Corrosion engineer or specialist	Hour	10	0	0
2	Registered professional engineer	Hour	10	0	0
3	Coating inspector, NACE/FROSIO or equivalent	Hour	10	0	0
4	Corrosion survey and photographic report	No	1	0	0
5	Visual inspection and corrosion mapping	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - SERE WIND FARM NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	Ultrasonic thickness readings	Point	10	0	0
7	Magnetic particle inspection	Point	10	0	0
8	Dye penetrant inspection	Point	10	0	0
9	Existing dry film thickness survey	Point	10	0	0
10	Pull-off adhesion testing and report	Test	5	0	0
Carried to Summary					<u>0</u>

BILL NO 3 ACCESS, PROTECTION AND CONTAINMENT

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Scaffolding erected and dismantled up to 5m	m2	100	0	0
2	Scaffolding erected and dismantled over 5m to 15m	m2	100	0	0
3	Scaffolding hire after initial period	m2/wk	100	0	0
4	Rope access team with Level 3 supervision	Day	1	0	0
5	Mobile elevated work platform including operator	Day	1	0	0
6	Confined-space standby and rescue team	Day	1	0	0
7	Temporary containment for blasting and coating	m2	100	0	0
Carried to Summary					<u>0</u>

BILL NO 4 SURFACE PREPARATION

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Potable water washing	m2	100	0	0
2	Degreasing and solvent cleaning	m2	100	0	0
3	Power tool cleaning to St2	m2	100	0	0
4	Power tool cleaning to St3	m2	100	0	0
5	Abrasive blast cleaning to Sa 2.5	m2	100	0	0
6	High pressure water jetting	m2	100	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - SERE WIND FARM NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
7	Feather edging of existing coatings	m2	100	0	0
8	Rounding sharp steel edges to minimum 2mm radius	m	10	0	0
9	Soluble salt contamination testing	Test	5	0	0
10	Surface profile measurement	Test	5	0	0
11	Dust assessment by tape method	Test	5	0	0
12	Hazardous waste disposal at licensed facility	t	1	0	0
Carried to Summary					0

BILL NO 5 CORROSION PROTECTION COATINGS AND LININGS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Stripe coating to welds, edges and bolts	m	10	0	0
2	Epoxy zinc-rich primer coat	m2	100	0	0
3	High-build epoxy intermediate coat	m2	100	0	0
4	UV-resistant polyurethane finish coat	m2	100	0	0
5	Complete C5 atmospheric coating system	m2	100	0	0
6	Spot coating repair not exceeding 1m2	No	1	0	0
7	Full removal and recoating system	m2	100	0	0
8	Heat-resistant coating system	m2	100	0	0
9	Temporary preservation or inhibitor coating	m2	100	0	0
10	Freshwater immersion lining system	m2	100	0	0
11	Fuel, oil or chemical lining system	m2	100	0	0
12	Splash-zone abrasion-resistant system	m2	100	0	0
13	Holiday testing of lining	m2	100	0	0
14	Corrosion wrapping to pipe or weld	m	10	0	0
15	Flange wrapping up to DN300	No	10	0	0
Carried to Summary					0

BILL NO 6 STRUCTURAL, BUILDING AND PIPING REPAIRS

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - SERE WIND FARM NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Supply, fabricate and install structural steel	kg	250	0	0
2	Remove damaged structural steel	kg	250	0	0
3	Steel plate insert or patch repair	kg	100	0	0
4	Certified weld repair	m	10	0	0
5	Replace high-strength structural bolt set	No	20	0	0
6	Replace ordinary fastener set	No	20	0	0
7	Install galvanic isolation kit	No	10	0	0
8	Replace steel handrail	m	10	0	0
9	Replace steel ladder	m	10	0	0
10	Replace open-grid flooring	m2	20	0	0
11	Repair roof leak	No	10	0	0
12	Replace profiled roof sheeting	m2	100	0	0
13	Recoat metal roof	m2	100	0	0
14	Repair or replace roof flashing	m	20	0	0
15	Replace roof fasteners and washers	No	10	0	0
16	Repair waterproofing membrane	m2	10	0	0
17	Repair or replace gutter	m	20	0	0
18	Repair or replace downpipe	m	20	0	0
19	Replace external joint sealant	m	50	0	0
20	Prepare and recoat pipe up to 100mm OD	m	10	0	0
21	Prepare and recoat pipe 101-300mm OD	m	10	0	0
22	Prepare and recoat pipe over 300mm OD	m2	10	0	0
23	Replace fabricated pipe support	kg	250	0	0
24	Recoat valve body and actuator	No	5	0	0
Carried to Summary					0

BILL NO 7 **STATION-SPECIFIC PLANT WORKS**

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - SERE WIND FARM NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Wind turbine tower external coating repair	m2	1000	0	0
2	Wind turbine tower internal coating repair	m2	1000	0	0
3	Tower flange and fastener corrosion treatment	No	200	0	0
4	Foundation interface resealing	m	100	0	0
5	Electrical enclosure corrosion repair	No	1	0	0
6	Cable tray and support corrosion repair	m	200	0	0
7	Meteorological or lighting mast coating repair	m2	100	0	0
Carried to Summary					0

BILL NO 8 **LOGISTICS AND EMERGENCY CALL-OUTS**

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Return road travel, light vehicle	km	100	0	0
2	Accommodation per person	P/night	1	0	0
3	Subsistence per person	P/day	1	0	0
4	Freight of materials up to one tonne	Trip	1	0	0
5	Emergency mobilisation and attendance within two hours	No	1	0	0
6	Emergency team standby, normal hours	Team/hr	1	0	0
7	Emergency team standby, after hours	Team/hr	1	0	0
8	Emergency minimum charge, first four hours	No	1	0	0
9	After-hours labour premium	P/hr	1	0	0
10	Weekend labour premium	P/hr	1	0	0
11	Public holiday labour premium	P/hr	1	0	0
12	Temporary make-safe repair	No	1	0	0
13	Emergency temporary weatherproofing or leak arrest	No	1	0	0

TENDER PRICE LIST

PROJECT: CORROSION PROTECTION SERVICES - SERE WIND FARM NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
14	Emergency environmental containment setup	No	1	0	0
15	Emergency condition report within 24 hours	No	1	0	0
	Carried to Summary				<u>0</u>

BILL NO 9

QUALITY, HANDOVER AND PROVISIONAL SUMS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Environmental condition monitoring record	Shift	1	0	0
2	Wet film thickness record	Shift	1	0	0
3	Dry film thickness reading and report	Point	1	0	0
4	Coating cure verification	Test	1	0	0
5	Final inspection and close-out	No	1	0	0
6	Task quality dossier	No	1	0	0
7	Manufacturer and applicator guarantee	No	1	0	0
8	Proven third-party materials and services, net cost	Prov Sum	1	0	0
9	Markup on proven third-party cost	%	10	0	0
10	Unscheduled specialist work	Prov Sum	1	0	0
	Carried to Summary				<u>0</u>

SUMMARY

ITEM NO	DESCRIPTION	UNIT	AMOUNT
1	Preliminary & General	Page	0
2	Assessment, Engineering And Ndt	Page	0
3	Access, Protection And Containment	Page	0
4	Surface Preparation	Page	0
5	Corrosion Protection Coatings And Linings	Page	0
6	Structural, Building And Piping Repairs	Page	0
7	Station-Specific Plant Works	Page	0
8	Logistics And Emergency Call-Outs	Page	0
9	Quality, Handover And Provisional Sums	Page	0
	Sub-total		<u>0</u>
	Allow Fifteen per cent (15%) Value Added Tax	TAX	0.15
	Total Tender		<u>0</u>

PROJECT: CORROSION PROTECTION SERVICES - NCORA HYDROPOWER STATION
NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
BILL NO 1					
PRELIMINARY & GENERAL					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Contractual requirements and contract establishment	Sum	1	0	0
2	Contractor offices, storage, workshops, ablutions and communications	No	1	0	0
3	Security of Contractor plant and personnel, fixed charge	Sum	1	0	0
4	Setting out and task preparation	Item	1	0	0
5	Initial Health and Safety plan, risk assessments and safe work procedures	Sum	1	0	0
6	Initial Environmental Management Plan compliance	Sum	1	0	0
7	Removal of site establishment	Sum	1	0	0
8	Contractual requirements, time related	Month	1	0	0
9	Operation and maintenance of site facilities	Month	1	0	0
10	Supervision for duration of the service	Month	1	0	0
11	Company and head office overhead costs	Month	1	0	0
12	Quality management, time related	Month	1	0	0
13	Security, time related	Month	1	0	0
14	Health and Safety compliance, time related	Month	1	0	0
15	Environmental compliance, time related	Month	1	0	0
Carried to Summary					0
BILL NO 2					
ASSESSMENT, ENGINEERING AND NDT					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Corrosion engineer or specialist	Hour	10	0	0
2	Registered professional engineer	Hour	10	0	0
3	Coating inspector, NACE/FROSIO or equivalent	Hour	10	0	0
4	Corrosion survey and photographic report	No	1	0	0
5	Visual inspection and corrosion mapping	m2	100	0	0

PROJECT: CORROSION PROTECTION SERVICES - NCORA HYDROPOWER STATION
NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
6	Ultrasonic thickness readings	Point	10	0	0
7	Magnetic particle inspection	Point	10	0	0
8	Dye penetrant inspection	Point	10	0	0
9	Existing dry film thickness survey	Point	10	0	0
10	Pull-off adhesion testing and report	Test	5	0	0
Carried to Summary					0

BILL NO 3
ACCESS, PROTECTION AND CONTAINMENT

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Scaffolding erected and dismantled up to 5m	m2	100	0	0
2	Scaffolding erected and dismantled over 5m to 15m	m2	100	0	0
3	Scaffolding hire after initial period	m2/wk	100	0	0
4	Rope access team with Level 3 supervision	Day	1	0	0
5	Mobile elevated work platform including operator	Day	1	0	0
6	Confined-space standby and rescue team	Day	1	0	0
7	Temporary containment for blasting and coating	m2	100	0	0
Carried to Summary					0

BILL NO 4
SURFACE PREPARATION

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Potable water washing	m2	100	0	0
2	Degreasing and solvent cleaning	m2	100	0	0
3	Power tool cleaning to St2	m2	100	0	0
4	Power tool cleaning to St3	m2	100	0	0
5	Abrasive blast cleaning to Sa 2.5	m2	100	0	0
6	High pressure water jetting	m2	100	0	0

PROJECT: CORROSION PROTECTION SERVICES - NCORA HYDROPOWER STATION
NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
7	Feather edging of existing coatings	m2	100	0	0
8	Rounding sharp steel edges to minimum 2mm radius	m	10	0	0
9	Soluble salt contamination testing	Test	5	0	0
10	Surface profile measurement	Test	5	0	0
11	Dust assessment by tape method	Test	5	0	0
12	Hazardous waste disposal at licensed facility	t	1	0	0
Carried to Summary					0

BILL NO 5
CORROSION PROTECTION COATINGS AND LININGS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Stripe coating to welds, edges and bolts	m	10	0	0
2	Epoxy zinc-rich primer coat	m2	100	0	0
3	High-build epoxy intermediate coat	m2	100	0	0
4	UV-resistant polyurethane finish coat	m2	100	0	0
5	Complete C5 atmospheric coating system	m2	100	0	0
6	Spot coating repair not exceeding 1m2	No	1	0	0
7	Full removal and recoating system	m2	100	0	0
8	Heat-resistant coating system	m2	100	0	0
9	Temporary preservation or inhibitor coating	m2	100	0	0
10	Freshwater immersion lining system	m2	100	0	0
11	Fuel, oil or chemical lining system	m2	100	0	0
12	Splash-zone abrasion-resistant system	m2	100	0	0
13	Holiday testing of lining	m2	100	0	0
14	Corrosion wrapping to pipe or weld	m	10	0	0
15	Flange wrapping up to DN300	No	10	0	0
Carried to Summary					0

BILL NO 6
STRUCTURAL, BUILDING AND PIPING REPAIRS

PROJECT: CORROSION PROTECTION SERVICES - NCORA HYDROPOWER STATION
NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
<i>SUPPLEMENTARY PREAMBLES / PRICING NOTES</i>					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Supply, fabricate and install structural steel	kg	250	0	0
2	Remove damaged structural steel	kg	250	0	0
3	Steel plate insert or patch repair	kg	100	0	0
4	Certified weld repair	m	10	0	0
5	Replace high-strength structural bolt set	No	20	0	0
6	Replace ordinary fastener set	No	20	0	0
7	Install galvanic isolation kit	No	10	0	0
8	Replace steel handrail	m	10	0	0
9	Replace steel ladder	m	10	0	0
10	Replace open-grid flooring	m2	20	0	0
11	Repair roof leak	No	10	0	0
12	Replace profiled roof sheeting	m2	100	0	0
13	Recoat metal roof	m2	100	0	0
14	Repair or replace roof flashing	m	20	0	0
15	Replace roof fasteners and washers	No	10	0	0
16	Repair waterproofing membrane	m2	10	0	0
17	Repair or replace gutter	m	20	0	0
18	Repair or replace downpipe	m	20	0	0
19	Replace external joint sealant	m	50	0	0
20	Prepare and recoat pipe up to 100mm OD	m	10	0	0
21	Prepare and recoat pipe 101-300mm OD	m	10	0	0
22	Prepare and recoat pipe over 300mm OD	m2	10	0	0
23	Replace fabricated pipe support	kg	250	0	0
24	Recoat valve body and actuator	No	5	0	0
Carried to Summary					0

BILL NO 7

PROJECT: CORROSION PROTECTION SERVICES - NCORA HYDROPOWER STATION
NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
STATION-SPECIFIC PLANT WORKS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Waterway steelwork coating or lining	m2	500	0	0
2	Trash rack, stoplog or gate rehabilitation	m2	100	0	0
3	Penstock, draft tube or spiral casing lining	m2	250	0	0
4	Embedded steel and concrete interface sealing	m	100	0	0
5	Hydro-mechanical fastener replacement	No	100	0	0
6	Crane rail clip replacement	No	100	0	0
7	Crane rail fastening replacement	No	100	0	0
8	Crane rail survey and alignment report	m	200	0	0
9	Crane rail alignment reinstatement	m	200	0	0
10	Concrete channel rehabilitation	m3	20	0	0
Carried to Summary					0
BILL NO 8					
LOGISTICS AND EMERGENCY CALL-OUTS					
SUPPLEMENTARY PREAMBLES / PRICING NOTES					
Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task					
1	Return road travel, light vehicle	km	100	0	0
2	Accommodation per person	P/night	1	0	0
3	Subsistence per person	P/day	1	0	0
4	Freight of materials up to one tonne	Trip	1	0	0
5	Emergency mobilisation and attendance within two hours	No	1	0	0
6	Emergency team standby, normal hours	Team/hr	1	0	0
7	Emergency team standby, after hours	Team/hr	1	0	0
8	Emergency minimum charge, first four hours	No	1	0	0
9	After-hours labour premium	P/hr	1	0	0
10	Weekend labour premium	P/hr	1	0	0

PROJECT: CORROSION PROTECTION SERVICES - NCORA HYDROPOWER STATION
NEC3 TERM SERVICE CONTRACT - PART C2 PRICING DATA

ITEM NO	DESCRIPTION	UNIT	QTY	RATE (RAND)	AMOUNT (RAND)
11	Public holiday labour premium	P/hr	1	0	0
12	Temporary make-safe repair	No	1	0	0
13	Emergency temporary weatherproofing or leak arrest	No	1	0	0
14	Emergency environmental containment setup	No	1	0	0
15	Emergency condition report within 24 hours	No	1	0	0
	Carried to Summary				0

BILL NO 9

QUALITY, HANDOVER AND PROVISIONAL SUMS

SUPPLEMENTARY PREAMBLES / PRICING NOTES

Rates are to include labour, supervision, equipment, materials, ordinary consumables, overheads and profit unless separately measured. Quantities are estimates and do not guarantee work. Work is instructed through an NEC Task

1	Environmental condition monitoring record	Shift	1	0	0
2	Wet film thickness record	Shift	1	0	0
3	Dry film thickness reading and report	Point	1	0	0
4	Coating cure verification	Test	1	0	0
5	Final inspection and close-out	No	1	0	0
6	Task quality dossier	No	1	0	0
7	Manufacturer and applicator guarantee	No	1	0	0
8	Proven third-party materials and services, net cost	Prov Sum	1	0	0
9	Markup on proven third-party cost	%	10	0	0
10	Unscheduled specialist work	Prov Sum	1	0	0
	Carried to Summary				0

SUMMARY

ITEM NO	DESCRIPTION	UNIT	AMOUNT
1	Preliminary & General	Page	0
2	Assessment, Engineering And Ndt	Page	0
3	Access, Protection And Containment	Page	0
4	Surface Preparation	Page	0
5	Corrosion Protection Coatings And Linings	Page	0
6	Structural, Building And Piping Repairs	Page	0
7	Station-Specific Plant Works	Page	0
8	Logistics And Emergency Call-Outs	Page	0
9	Quality, Handover And Provisional Sums	Page	0
	Sub-total		0
	Allow Fifteen per cent (15%) Value Added Tax	TAX	0.15
	Total Tender		0