SCM SUBMISSION: SPECIFICATION / SCOPE OF WORK	
PURPOSE OF SUBMISSION	BID ESPECIFICATION – APPOINTMENT OF A CONTRACTOR FOR AS AND WHEN REQUIRED : ELECTRICAL REPAIRS AND MAINTENANCE AT FREE STATE AND NORTHERN CAPE PROVINCE.
DESCRIPTION OF GOODS / SERVICES / WORK	AS AND WHEN REQUIRED ELECTRICAL REPAIRS AND MAINTENANCE AT FREE STATE AND NORTHERN CAPE TRAIN STATIONS.
REQUEST FOR PROPOSAL NUMBER	
DIVISION	PRASA CRES
USER DEPARTMENT	PRASA CRES FACILITIES (SGR)
DATE SUBMITTED	MARCH 2025

SPECIFICATION AS AND WHEN REQUIRED: ELECTRICAL REPAIRS AND MAINTENANCE AT GAUTENG SOUTH STATIONS.

1. SCOPE OF WORK

1.1. The scope of the work / services to be provided by the contractor is as follows:

- Carry out planned maintenance and corrective maintenance to electrical installations and infrastructure at various Railway Station Platforms, Buildings, Offices, Workshops, Substations and Signal Relay Rooms.
- The scope also includes a 24hr, Monday to Sunday emergency standby service as and when required by PRASA-CRES (FACILITIES).

1.2. Contract duration will be for 36 months from the time of accepting the appointment. With two service providers required.

2. DEFINATIONS.

2.1 PRASA-CRES: One of the subsidiaries of Passenger Rail Agency of South Africa (PRASA) group responsible for managing the property portfolio of the group and the maintenance thereof.

2.2 Facilities Manager: A manager of PRASA-CRES responsible of building and infrastructure portfolio or any person authorised to act in that capacity.

2.3 Normal Working Hours: in this contract normal working hours will be 07h00 to 17h00 Mondays to Fridays excluding public holidays and weekends.

2.4 Contractor: Successful tender who is appointed by PRASA-CRES and will be responsible to carry out the works as per this specification.

3. MAINTENANCE REFERENCES

3.1. All electrical work will be in accordance with the following publications.

- SABS 0142, SABS 1152, and SABS 0147 Code of Practices
- OHS Act 85 of 1993 as amended and
- Other applicable Municipal By-Laws and Regulations

4. **MAINTENANCE**

4.1. All planned work will be carried out during normal working hours at the cost tendered for in the Bill of Quantities. Visits to the premises will be as scheduled for the contractor to carry out maintenance work as per the specification. Sites have visitors book which is to be properly completed by the Contractor on every visit and the reason for the visit recorded in the book.

4.2. The Contractor shall produce and issue to PRASA-CRES a written report or service sheet of any testing, inspection, examination, investigation and/or assessment undertaken and execution of any repairs by the Contractor. Reports will highlight.

- the type of work or service done
- problems experienced
- results of inspection
- faults found and their priority thereof

Quotations for any corrective work required shall be submitted to PRASA-CRES and on the approval of such quotations the Contractor will correct or repair accordingly.

The contractor is expected to produce a job card and the job card must be signed by PRASA CRES supervisor.

4.3. PRASA-CRES reserves the right to conduct an independent safety and quality audit to be carried out on the work completed by the contractor. The contractor shall provide his own quality controls to ensure compliance with the specifications and any changes to legislation or regulations applicable. Possible modernisation products to upgrade or to improve the reliability and performance of the installation will be brought to PRASA-CRES for consideration.

5. **Contract Performance**

5.1. The contractor will sign a service level agreement with the PRASA-CRES. The performance of the Contractor will be discussed on the monthly basis at meetings scheduled to sit at PRASA CRES offices. Performance Items to be discussed will include:

- the number of breakdowns for specific period
- the turn around time to attend to emergency callouts

- planned vs. actual progress
- submission of reports, invoices and other administration duties
- payment of invoices

5.2. Services Measure And Expectations

Response Times for:

- Emergencies – within 2hrs to determine the status of fault on site.
- Urgent - within 3 hrs
- Non-Urgent - within 12 hrs

6. General Information

6.1. The contract shall be registered with the ECB as laid down in the Electrical Installation Regulations of the Occupational Health and Safety Act 85/1993, clause 5.

6.2. The electrical contractor shall be or have in his employment an accredited person. Proof must be supplied of the above requirements

6.3. The Contractor must have the capacity to be able to work on more than one site at any given time.

6.4. Where day to day repairs is to be undertaken, the Contractor shall first estimate the labor and material cost based on the schedule of prices, before proceeding with the job.

6.5. All material removed to be returned to PRASA-CRES unless otherwise stated.

6.6. Compliance certificates to be issued on completion of all new work done at no cost to PRASA-CRES. Compliance certificates required for existing installations to be priced out at the prescribed set rate.

7. SAFETY AND PROVISION OF MATERIALS:

7.1. The contractor is reponsible for supply of all material required to repair the faults as per job cards /work order.

7.2. All material used shall be SABS approved.

7.3. The material item price shall be based on standard market related plus the percentage mark-up fee.

7.4. Prasa Cres Maintenance Manager /Supervisor reserve the right to query price of any material that is on the material list. He /she may request that the contractor justifies a copy of the material purchased, invoices or actual quotes from reputable suppliers.

7.4.1. All materials supplied and workmanship to meet the prescribed Statutory Requirements, including the Occupational Health and Safety Act of 1993.

NB: The contractor material supplier must be reputable material supplier and only market related material prices will not be accepted by PRASA.

7.5. Provision of a Safety File is a requirement and must be submitted prior to any work commences. The provisional amount of R6000.00 for a Safety File is included in the schedule of rates table, proof of cost will be required before the contract claim the amount.

8. Quality Of Work and Workmanship:

- Works with poor workmanship will not be signed off and PRASA Cres reserve the right to hold payments until satisfied with the quality of the works.

9. Non-Compliance:

- **Safety** – the contractor will always ensure that work is performed in accordance with all the prescribed legal prescripts.
- **NB:** No work is to be done without approval of Safety File and valid signed site access certificate being issued to the contractor. No Contractor will be allowed on site without having attended the safety Induction training and proof is to be submitted to the Project Manager

- **Response time** – if an appointed service provider as per the General provisions of the As and When fails to adhere to the priority levels as prescribed PRASA CRES Facilities department hereby reserves the right to penalise the service provider a penalty fee of 10% of the value of the work and if this provision is continually be violated the contract will be terminated.

- **Proof of Work done**> the contractor will provide photos of before/during and after work completed with claim submitted . Photos can be submitted electronically.

- **Qualified personnel-** It is a requirement that personnel performing/overseeing works issued to the contractor be qualified in specific Trade.

10. Pre-qualification requirements

If you do not submit the following documents/information, your submission will be disqualified automatically.

- CIDB grade 3 EB / EP or higher

11. MATERIAL LIST PRICING BILL

ITEM	DESCRIPTION	UNIT	YEAR 1 RATE (Excl. Vat)	YEAR 2 RATE (Excl. Vat)	YEAR 3 RATE (Excl. Vat)
1.0	LIGHTING				
1.1	LAMP PL 9 COOL WHITE DULUX S 923.	Ea.			
1.2	LAMP PL13 2PIN ENERGY SAVING	Ea.			
1.3	LAMP PL18 4PIN ENERGY SAVING	Ea.			
1.4	LAMP PL18 2PIN ENERGY SAVER	Ea.			
1.5	LAMP PL26, 2PIN ENERGY SAVING	Ea.			
1.6	LAMP 2 D 16 WATT OSRAM	Ea.			
1.7	LAMP 2 D 28 WATT	Ea.			
1.8	LAMP. 70 W FOR ONE TYPE HS. SON-E 230 V, 50HZ (INTERNAL IGNITOR)	Ea.			
1.9	LAMP, SODIUM VAPOUR. E40 BASE 400 W HIGH PRESSURE, TUBULAR. 230V. 47 MM DIA X 283 MM LONG.(55/32906-BAL)	Ea.			
1.10	LAMPS, SODIUM VAPOUR. E40 BASE, 250 W HIGH PRESSURE, TUBULAR. UNIVERSAL BURNING 220V - 230V. USERS DESCRIPTION 47 MM DIA X 257 MM LONG.	Ea.			
1.11	LAMPS, SODIUM VAPOUR. E27 BASE, 70 W HIGH PRESSURE, ELLIPTICAL. INCORPORATING INTERNAL IGNITION DEVICE. UNIVERSAL BURNING 220 - 230V. USERS DESCRIPTION 71 MM DIA X 156 MM	Ea.			

1.12	LAMP. 70 W FOR ONE TYPE HS. SON-E E-27 230 V, 50HZ (EXTERNAL IGNITOR)	Ea.			
1.13	LAMP, FLUORESCENT. 1,2 M LONG X 26 MM DIA 36 W COOL WHITE, SWITCH START	Ea.			
1.14	LAMP, FLUORESCENT 590 MM LONG X 26 MM DIA 18 W ,WHITE, SWITCH START	Ea.			
1.15	LAMP, FLUORESCENT. 1,5 M LONG X 26 MM DIA.58 W COOL WHITE, SWITCH START ONLY.	Ea.			
1.16	54 W T5 FLUORESCENT TUBE, 4100 LM, 1200MM	Ea.			
1.17	35 W T5 FLUORESCENT TUBE, 3300 LM, 1450MM	Ea.			
1.18	FLUORESCENT LAMP T5 28 WATT COOL WHITE 1150MM	Ea.			
1.19	14 W T5 FLUORESCENT TUBE, 1100 LM, 550MM,	Ea.			
1.20	18 W T8 LED 4 FOOT TUBE	Ea.			
1.21	LAMPHOLDER. 250 V. BAYONET-CAP. B.22. BRASS, THREADED 20 MM FOR ELECTRICAL CONDUIT, WITH SHADE RING.	Ea.			
1.22	LAMPHOLDER. 250 V, EDISON SCREW E.27, PORCELAIN, NON-SKIRTED, BATTEN TYPE, WITH A BASE AND MOUNTING FACILITIES ON THE OUTSIDE	Ea.			

1.23	LAMPHOLDER. 250 V,GOLIATH EDISON SCREW E40 PORCELAIN, NON-SKIRTED.	Ea.			
1.24	LAMPHOLDER. 250 V, BAYONET-CAP, B.22, BRASS, THREADED 1/2 (26 TPI), WITH SHADE RING,	Ea.			
1.25	LAMPHOLDER. 250 V, BAYONET-CAP, B.22, PORCELAIN, NON-SKIRTED, BATTEN TYPE.	Ea.			
1.26	BALLAST FLUORESCENT 13 WATT FOR 1 * PL/2D LAMP. HARPER NR. C31B1230 OR SIMILAR. 0.17 AMPS. LOW POWER FACTOR	Ea.			
1.27	BALLAST FOR 2 x 1.200 METRE 36W 230W ELECTRONIC INSTANT START	Ea.			
1.28	CAPACITOR FIXED, 250 VOLT AC. 50 HZ.20 UF SUITABLE FOR 250 W. MERCURY VAPOUR AND 35/55 W. LOW PRESSURE SODIUM VAPOUR LAMPS.	Ea.			
1.29	IGNITOR. FOR 250- & 400-WATT METAL HALIDE & HIGH PRESSURE SODIUM LAMPS UP TO 6A.	Ea.			
1.29	160W SELF-BALLAST LAMPS	Ea.			
2					
2.1	Cabtyre Cable 1.5mm sq.	/M			
2.2	Cabtyre Cable 2.5mm sq.	/M			
2.3	Suffix Cable 1.5mm sq.	/M			
2.4	Suffix Cable 2.5mm sq.	/M			
2.5	Suffix Cable 4mm sq.	/M			
2.6	Suffix Cable 6mm sq.	/M			
2.7	Wire GP Red 1;5mm	/M			

2.8	Wire GP Black 1;5mm	/M			
2.9	Wire GP Black 4mm	/M			
2.10	Wire GP Red 4mm	/M			
2.11	Wire GP Black 10mm	/M			
2.12	Wire GP Black 16mm	/M			
2.13	Wire GP Red 10mm	/M			
2.14	Wire GP Red 16mm	/M			
2.15	Flexible Cable (Welding Cable) 50 mm	/M			
2.16	Flexible Cable (Welding Cable) 70 mm	/M			
2.17	Flexible Cable (Welding Cable) 95 mm	/M			
2.18	Earth Wire Green	/M			
2.19	1.5 mm sq. x 4 Core PVC SWA PVC	/M			
2.20	2.5mm sq. x4Core PVC SWA PVC	/M			
2.21	10mm sq. x 4 Core PVC SWA PVC	/M			
2.22	16mm sq. x 4 Core PVC SWA PVC	/M			
2.23	25mm sq. x 4 Core PVC SWA PVC	/M			
2.24	35mm sq. x 4 Core PVC SWA PVC	/M			
2.25	50mm sq. x 4 Core PVC SWA	/M			
2.26	70mm sq. x 4 Core PVC SWA PVC1KV	/M			
2.27	95mm sq. x 4 Core PVC SWAPVC 1KV	/M			
2.28	120mm sq. x 4 Core PVC SWA PVC 1KV	/M			
3					
3.1	box-20mm-1-way-galvanised	Ea.			
3.2	box-20mm-2-way-galvanised	Ea.			
3.3	box-20mm-3-way-galvanised	Ea.			
3.4	box-20mm-4-way-galvanised	Ea.			
3.5	box-side-entry-20mm-1-way-bosal	Ea.			
3.6	box-side-entry-20mm-2-way-angle-bosal	Ea.			
3.7	box-side-entry-20mm-2-way-through-bosal	Ea.			

3.8	box-side-entry-20mm-3-way-bosal	Ea.			
3.9	box-side-entry-20mm-4-way-bosal	Ea.			
3.10	box-side-entry-25mm-1-way-bosal	Ea.			
3.11	box-side-entry-25mm-2-way-angle-bosal	Ea.			
3.12	box-side-entry-25mm-2-way-through-bosal	Ea.			
3.13	box-side-entry-25mm-3-way-bosal	Ea.			
3.14	box-side-entry-25mm-4-way-bosal	Ea.			
3.15	male-adaptor-20mm-bosal	Ea.			
3.16	male-adaptor-25mm-bosal	Ea.			
3.17	male-adaptor-32mm-bosal	Ea.			
3.18	male-adaptor-50mm-bosal	Ea.			
3.19	coupling-20mm-bosal	Ea.			
3.20	coupling-25mm-bosal	Ea.			
3.21	coupling-32mm-bosal	Ea.			
3.22	coupling-50mm-bosal	Ea.			
3.23	solid-bend-20mm-bosal	Ea.			
3.24	solid-bend-25mm-bosal	Ea.			
3.25	solid-bend-32mm-bosal	Ea.			
3.26	solid-bend-50mm-bosal	Ea.			
3.27	Bosal conduit 20mm -galvanised	/M			
3.28	Bosal conduit 32mm- galvanised	/M			
3.29	Bosal conduit 50mm- galvanised	/M			
4					
4.1	box-20mm-4-knock-out-pvc	Ea.			
4.2	conduit-box-20mm-y-box-pvc	Ea.			
4.3	conduit-box-20mm-u-box-pvc	Ea.			
4.4	conduit-box-20mm-pvc-angle-pvc	Ea.			
4.5	conduit-box-20mm-4-way-pvc	Ea.			
4.6	conduit-box-20mm-2-way-pvc	Ea.			
4.7	conduit-box-20mm-1-way-pvc	Ea.			

4.8	conduit-25mm-pvc	/M			
4.9	conduit-50mm-pvc	/M			
4.10	conduit-40mm-pvc	/M			
4.11	conduit-box-25mm-1-way-pvc	Ea.			
4.12	conduit-box-25mm-2-way-pvc	Ea.			
4.13	conduit-box-lid-pvc	Ea.			
4.14	conduit-box-20mm-8-knock-out-pvc	Ea.			
4.15	conduit-box-25mm-4-way-pvc	Ea.			
4.16	flexible-sprague-25mm-pvc	Ea.			
4.17	flexible-sprague-20mm-pvc	Ea.			
4.18	compression-gland-pvc-no-1	Ea.			
4.19	push-on-gland-pvc-no-0	Ea.			
4.20	saddles-25mm-pvc	Ea.			
4.21	25mm-spacer-bar-saddles-pvc	Ea.			
4.22	20mm-spacer-bar-saddles-pvc	Ea.			
4.23	compression-gland-pvc-no-2	Ea.			
4.24	compression-gland-pvc-no-0	Ea.			
4.25	female-adaptor-20mm-pvc	Ea.			
4.26	push-on-gland-pvc-no-1	Ea.			
5					
5.1	110mm HDPE double wall corrugated coil	/M			
6					
6.1	400 WATT, 41.08(VMP) SOLAR PANEL, MONO CELL	Ea.			
6.2	105 A/H DEEP CYCLE BATTERIES. Lithium Ion.	Ea.			
6.3	5KVA HYBRID SOLAR INVERTOR.	Ea.			
6.4	8KVA HYBRID SOLAR INVERTOR.	Ea.			
6.5	12KVA HYBRID SOLAR INVERTOR	Ea.			
6.7	25MM INSULATED EARTH WIRE (GREEN & YELLOW)	Ea.			
6.8	50MM X 12MM COPPER LUGS	Ea.			

6.9	CEMENT	Ea.			
7.	DIGGING OF TRENCHES	Per / m			
7.1	50KVA DISTRIBUTION TRANSFORMERS.	Ea.			
7.2	100KVA , 3 P, DISTRIBUTION TRANSFORMER	Ea.			
7.3	100KVA , 3 P, DISTRIBUTION TRANSFORMER	Ea.			
7.4	3 PHASE: COC	Ea.			
7.5	20 KW – 3 PHASE HIGH VOLTAGE HYBRID INVERTER.	Ea.			
7.6	DC FUSE + FUSE HOLDER	Ea.			
7.8	4 POLE CHANGE OVER SWITCH ENCLOSED IN MILD STEEL.	Ea.			
7.9	ESC EARTH SPIKE G CLAMP	Ea.			
7.10	4 FOOT SINGLE FLOURESCENT FITTING.	Ea.			
7.11	500W SMD MODULAR HIGH MAST 6000K– SABS TESTED	Ea.			
7.12	CONCRETE MIX	M3			
7.13	BATTERY FUSE 125A	Ea.			
7.14	550 W CANADIAN SOLAR PANELS	Ea.			
7.15	4x2 WALL GAVANISED BOX	Ea.			
7.16	4X4 WALL GALVANISED BOX	Ea.			
7.17	STEEL GALVANISED TRUNKING – 0.8	Ea.			
7.18	3 PHASE DIGITAL (KWH) METER 100 A	Ea.			
7.19	GLA 6 WAY KIOKS FIBRE GLASS	Ea.			
7.20	EARTH LEAKAGE (SINGLE PHASE)	Ea.			
7.21	CURRENT TRANSFORMER 200 A.	Ea.			
7.22	1.2 LED LAMP DAYLIGHT 4 FOOT.	Ea.			
7.23	1.5 LED LAMP DAYLIGHT 5 FOOT	Ea.			
7.24	CIRCUIT BREAKER 1 CURVE 2100 A, 6VA.	Ea.			
7.25	2X 4 POWER SKITTING PLUG	Ea.			
7.26	4X4 DOUBLE PLUG	Ea.			

7.27	ROUND BULKHEAD	Ea.			
7.28	2 X 4 ISOLATOR	Ea.			
7.29	E40 BASE 125W TUBE	Ea.			
7.30	12 LED FLUORESCENT OPEN CHANNEL FITTING.	Ea.			
7.31	E 27, 60W SPORT LIGHT	Ea.			
7.32	1500, 20W LED TUBE	Ea.			
7.33	1500, 20W LED FLOOD LIGHT	Ea.			
7.35	100W LED FLOOD LIGHT	Ea.			
7.36	200W LED FLOOD LIGHT	Ea.			
7.37	250W, 20W LED FLOOD LIGHT	Ea.			
7.38	500W, 20W LED FLOOD LIGHT	Ea.			
7.39	500W, 20W LED FLOOD LIGHT	Ea.			
7.40	220V PHOTO CELL	Ea.			
7.41	220 V , TIME SWITCH	Ea.			
7.42	7.2 W BC DAYLIGHT LED LAMP.	Ea.			
7.43	TIME SWITCH 220V	Ea.			
7.44	2 X 4 WATERPROOF BOX	Ea.			
8.	**SPECIALISED EQUIPMENT**				
8.1	CHERRY PICKER TRUCK	PER/ H			
8.2	HORIZONTAL DRILLING	PER / H			
8.3	SCAFFFOLD HIRE	PER / H			
8.4	HIRING OF 3 PHASE GENERATOR (80KVA)	PER /H			
Subtotal (EXCL. VAT)		R			

12. <u>Pricing Schedule : Electrical Maintenance Work Rates</u>

Item	Description		Unit	Estimated Quantity	Rate (Excl. VAT)	AMOUNTS (EXCL. VAT) Year 1	AMOUNTS (EXCL. VAT) Year 2	AMOUNTS (EXCL. VAT) Year 3
1	Provisional Sum for Approval of Safety File as per Annexure 1 **(ONCE OFF**)		Sum	**R 6 000.00**				
2	Provisional Sum (Material)	Material	Sum	Value/Amount	**R 300 000.00**			
3	Percentage mark-up for materials not listed on the BOQ. **Escalations (Y1,Y2 & Y3**)	Material	**%**			%	%	%
4.	The Service Provider is to tender their total cost per hour on site per qualified Artisan and an assistant to perform service and repairs during **Normal working hours (07:00 – 17:00)**.	Artisan	Rate/hour	2 200 hours	R	R	R	R
		General Worker	Rate/hour	4 400 hours	R			
5. The Service Provider is to tender their total cost per hour on site per qualified Artisan and an assistant		Artisan	Rate/hour	250 hours	R			

	to perform service and repairs during **After working hours and Saturdays (17:00 – 07:00)**.	General Worker	Rate/hour	500 hours	R R			
6.	The Service Provider is to tender their total cost per hour on site per qualified Artisan and an assistant to perform service and repairs during **Sunday and Public Holiday**.	Artisan	Rate/hour	100 hours	R			
		General Worker	Rate/hour	200 hours	R			
7.	Call-out rate (only when there is no fault found)		Sum	1	R			
8.	Travel cost.		Rate/ km	10 000 kilometres	R			
9.	Percentage markup for the hire or use of his own specialized equipment (Proof of cost per/hr must be submitted with invoices).		%	R 50 000.00	R			

THE BELOW TOTAL SHOULD INCLUDE THE COST OF THE PROVISIONAL SUM (ITEM 1 & 2). **Total (Excl. VAT):**	**R**

ANNEXURE 1: FINAL SUMMARY

As and When General Electrical Maintenance in Free State and Northern Cape Province.

		AMOUNT
1	Material List	R
2	Pricing Schedule: Electrical Maintenance Work Rates	R
	SUB TOTAL	R
	VAT @ 15 %	R
	TOTAL (INCL. VAT)	R