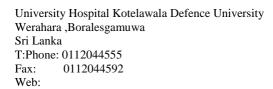
Tender No:

| U   |     |   |     |   |     |   |   |   |     |     |     |   |   |   |   |   |   |   |   |   |     |     |   |   |   |   |   |   |     |   |   | ĺ |   |   |   |     |     |   |   |
|-----|-----|---|-----|---|-----|---|---|---|-----|-----|-----|---|---|---|---|---|---|---|---|---|-----|-----|---|---|---|---|---|---|-----|---|---|---|---|---|---|-----|-----|---|---|
|     | ••• | • |     | • | •   | • | • | • | •   | • • |     | • | • | • | • | • | • | • | • | • | • • | • • | • | • | • | • | • | • | • • | • | • | • | • | • | • | • • |     |   | • |
| ••• | ••• | • | • • | • | • • | • | • | • | • • |     | ••• | • | • | • | • | • | • | • | • | • | • • |     | • | • | • | • | • | • |     | • | • | • | • | • | • | • • | • • | • | • |



17 / 01 /2024.

#### **INVITATION TO BID AND GENERAL CONDITIONS OF TENDER**

1. The Vice Chancellor of the General Sir John Kotelawala Defence University, as the Chairman, Department Procurement Committee invites Bid/s from prospective Bidders for Purchase Of Service & Maintenance Agreement For Medium & Low Voltage Power Distribution System at UHKDU.

HOSPITAL

General Sir John Kotelawala Defence University

2. <u>CLOSING DATE & TIME</u>. The tender will close at 1400 hrs on 14/02/2024 Any Bid submitted after the closing time of the tender will be rejected & unopened such bids will be returned to the bidder.

#### 3. <u>VALIDITY OF BID</u>. The bid submitted under this tender <u>must be valid for a period of 120 days from the date of closing of tender</u>.

#### 4. **<u>BID BOND / GUARANTEE.</u>**

(a) If the quoted bid value exceeds Rs: 2,000,000.00, such Bids should be accompanied with 1% of Bid Value an "on demand" and "unconditional" Bid Bond/Guarantee for a sum of **Rs:** ...... in the format given in Annex "C" through a recognized local Bank or Insurance Company registered in Sri Lanka which is authorized by the Insurance Board of Sri Lanka to issue such Bid Guarantees. All Bid Bond/Guarantees should be valid for at least 30 days more than the validity period of bids, ie, for 150 days from the date of Bid opening. <u>Cheques will not be accepted as Bid Guarantee</u>.

(b) Submission of insufficient Bid Bond/Guarantee value or period will be considered as a "**major deviation**" and such offer will not be considered for further procurement action and will be rejected.

5. <u>VALUE ADDED TAX</u>. The Bidders who bid for locally delivered items must have the VAT registration. The VAT portion must be shown separately in the price schedule in Annex "A" and VAT registration number must be indicated. If the quoted item is exempted from VAT or Bidding Company is not liable for VAT, reference number and date of relevant Act number/Gazette notification/a certificate (as applicable) **issued for the current financial year** from the Commissioner General of Inland Revenue to that effect should be submitted along with the Bid.

6. **BID SUBMISSION.** The **bidder must duly sign at the last page** (before Annexes) of this document indicating the name of the signatory and the name of the company common seal to confirm the acceptance of tender conditions. The Bid/s that do not include authorized signature will be rejected. The Bid/s duly signed by the bidder enclosed and sealed in an appropriate cover addressed to the following address should be sent by registered post or could be deposited in the **appropriate tender box placed at University Hospital Kotelawala Defence University. Werahara** (at the Main Entrance of University Hospital Kotelawala Defence University) on or before the time & date specified for the closing of tender. The tender reference number, date & time of closing tender should be indicated & underlined at the top left corner of the envelop.

| Tender Ref No :                             | The Chairman,                                      |
|---|--|
| Closing Date & Time :1400 hrs on 14/02/2024 | Department Procurement Committee,                  |
|   | University Hospital Kotelawala Defence University, |
|   | Werahara,  |
|   | Sri Lanka.   |

7. The Bid/s must be submitted in the attached schedule of prices in Annex "A" as applicable. However, bidders could use similar formats prepared with their own letter heads with all the details mentioned therein and submit in <u>three copies along with duly signed copy of a General</u> <u>Conditions of tender</u>. The Bid/s must contain Technical Literature, Pamphlets, Drawings and Quality Standard Certificate etc necessary to determine characteristics of items offered and in case of Machinery/Vehicles & Equipment, servicing and workshop data/after sales service, back up facilities or any other facilities provided by the supplier.

#### 8. <u>SUBMISSION OF SAMPLES/PAYMENT OF TESTING CHARGES</u>.

When it is required to submit samples, <u>every offer</u> must be accompanied with pre - marked samples. The marking of samples <u>indicating the Bidder &</u> <u>Offer number</u> must be done and the samples must be handed over to the officer at same place where tender box is placed <u>on or before the closing date</u> <u>& time of the Bid</u>. Samples submitted after closing time of the Bid will be rejected. The documents such as Air Way Bills etc, will not be accepted in place of samples. When the testing charges are required to be paid, bidders shall pay testing charges separately <u>for all offers</u> indicated in their bid/s.

(1) <u>Samples</u>. Please submit ...... samples.

(2) <u>Testing Charges</u>. A sum of Rs. .....<u>per offer</u> must be paid to the Bursar of KDU, prior to the submission of bid and a copy of the receipt must be annexed to the bid. It is the responsibility of bidder to inform the Cashier of the Account Office to note the tender number on the receipt issued for such payments.

9. <u>BID OPENING.</u> All duly received bids <u>will be opened immediately after the scheduled closing time of Bids at the same venue</u>. Bidders or their accredited agents could be present at the time of opening of bids.

10. <u>PRICES</u>. For locally delivered items (including locally manufactured items & foreign items imported by the bidders) price must be quoted in Sri Lankan Rupees, inclusive of all charges for delivery of items to University Hospital General Sir John Kotelawala Defence University Werahara,. Unit **price, VAT and Total price should be clearly indicated in schedule in Annex "A"**. Other than VAT, all other type of taxes (eg : NBT, BTT, etc.) should not be indicated separately and should be included in unit price.

**11.** <u>**RESTRICTED TENDERS**</u>. Invitation to Bids are circulated among the registered suppliers with Ministry of Defence (MOD), only bids submitted by registered suppliers will be allowed for consideration. However, Chairman, Department Procurement Committee reserves the right to invite the bids from multiple combinations of Procurement Methods as stipulated in Chapter III of the Government Procurement Guideline, 2006 to ensure highest competitiveness.

12 PERFORMANCE BOND/GUARANTEE. A successful bidder shall furnish a Performance Bond/Guarantee in the form of "On Demand" & "Unconditional" Bank/Insurance Guarantee for a sum equivalent to 10% of the contract value for every contract that exceeds Rs. 2,000,000.00 or equivalent amount in foreign currency through a recognized Commercial Bank registered in Sri Lanka or through an Insurance Company authorized by the Insurance Board of loss resulting from the supplier's failure to complete his performance obligations under the contract. If the contracted supplier fails to deliver the items Sri Lanka to issue such Performance Guarantee for this purpose, within two weeks from the date of notification of award. The proceeds of the Performance Bond/Guarantee shall be payable to the Vice Chancellor of the General Sir John Kotelawala Defence University as compensation for any o time or fails to complete the works as per the agreed contract, THE TOTAL VALUE OF THE PERFORMANCE BOND/GUARANTEE will be forfeited. If only partial delivery is made during the agreed contract period, the corresponding value percentage of undelivered quantity from the Performance Bond/Guarantee will be forfeited.

13. SIGNING OF CONTRACT. The notification of award will be transmitted to the successful bidder by post, by fax or e-mail. This notification constitutes the formation of the contract. The successful bidder should submit his written acceptance for the award and performance bond / guarantee (For awards over Rs. 500,000.00 without VAT) within 14 days of receipt of such notification. Upon acceptance of the award and furnishing of the Performance Bond/Guarantee, the successful bidder will have to enter into a formal contract with the Vice Chancellor of the General Sir John Kotelawala Defence University by signing the Contract.

Preference will be given for early delivery. In case of bulk supplies for locally manufactured items, the delivery of total 14. DELIVERY. quantity must be completed within 120 days of signing of contract, unless mutually agreed for extended delivery period with University Hospital Kotelawala Defence University. The bidder/s must indicate the proposed delivery schedule in Annex "E". In the event of placing a purchase order with the successful bidder, the total quantity so ordered must be supplied as one consignment unless part deliveries are agreed upon in the contract. The deliveries not made as per agreed delivery schedule will be considered as bad performances by the suppliers and no extended delivery period will be authorized. Under extreme unavoidable conditions too, the Chairman, Department Procurement Committee (Vice Chancellor of the General Sir John Kotelawala Defence University) reserves the right to grant or refuse delivery period extensions only within the current financial year with or without liquidated claim for delayed deliveries and that decision will be final.

15. LIQUIDATED DAMAGES. In case of delivery period extensions requested by the successful bidder, a sum equivalent to 2% of the total value of the delayed supply per delay of one week or part thereof may be deducted from the payment due to the supplier from the University Hospital General Sir John Kotelawala Defence University as liquidated damages up to the maximum limit of 10% of the total value of delayed supplies.

16.PAYMENT TERMS FOR LOCALLY DELIVERED ITEMS. Payment will be made after acceptance of items which should be subjected to a preacceptance inspection/testing by University Hospital General Sir John Kotelawala Defence University authorities. The delivery made to University Hospital should not be considered as quantities taken over by University Hospital General Sir John Kotelawala Defence University until items are properly accepted after pre-acceptance inspection. Any item that does not conform to the specifications or already approved sample will be rejected & it is the responsibility of the supplier to remove them from University Hospital stores/premises within 07 working days of such intimation (either verbal or written) at his own cost and replace them with items conforming to specification within one month of such rejection. The bidder shall allow approximately 60-90 days period of credit from the date of acceptance of items for Account Office, University Hospital General Sir John Kotelawala Defence University to obtain liquid cash from General Treasury & release the payment.

RIGHTS OF THE PROCUREMENT COMMITTEE. The Department Procurement Committee reserve the right to accept or reject whole or 17. part of this tender and their decision will be final. The successful bidders will be notified. Information with regard to rejected or unsuccessful bids will not be communicated.

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University Hospital Kotelawala Defence University

I/We agree to abide by the conditions of tender and undertake to supply the items as per delivery schedule mentioned in the contract, in the event of an order been placed with me/my firm/company as a result of this tender.

..... Signature ..... Name of Signatory

.....Name of the Company/Bidder

Date :- .....

Company seal

### FILE NO - UHKDU/PRO/SOGE/SVS/0007/2024 SCHEDULE OF PRICES FOR LOCALLY DELIVERED ITEMS

| S/N | ITEMS   | UNIT | QTY | MONTHLY<br>RENTAL<br>FEE | TOTAL RENTAL<br>FEE (12MONTH) |
|-----|---|------|-----|--------------------------|-------------------------------|
|     | Service & Maintenance & Agreement<br>Procurement Action Of Annual Maintenance At<br>UHKDU |      |     |                          |                               |
|     |   |      |     |                          |                               |
|     | Specification is attached here with Annex "B"   |      |     |                          |                               |
|     | TOTAL   |      |     |                          |                               |
|     | DISCOUNT<br>TOTAL(AFTER DISCOUNT)   |      |     |                          |                               |
|     | VAT %<br>GRAND TOTAL  |      |     |                          |                               |

#### NOTE : IF POSSIBLE FORWARD YOUR PRICE QUOTATION WITH YOUR COMPANY LETTER HEAD

| 2. | a. validity                                  | : 49 days from the date of clo | sing of tender |
|----|--|--------------------------------|----------------|
| 3. | VAT Registration No.                         | :                              |                |
| 4. | Name of the Company                          | :                              |                |
| 5. | Testing Charges Paid.<br>Receipt No and Date | : Rs<br>:                      |                |
| 6. | Signature of Bidder                          | :                              |                |
| 7. | Date.  | :                              |                |
| 8. | MOD registered No.                           | :                              | Company Seal : |

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PROCUREMENT MANAGER University Hospital General Sir John Kotelawala Defence University Werahera



## WORK SCOPE OF THE ANNUAL MAINTAINANCE CONTRACT (AMC) FOR 33KV/11KV/400V POWER DISTRIBUTION SYSTEM AT UHKDU

University Hospital – KDU (UHKDU) currently consists with 8000 kVA bulk electricity supply and 2MVA X 4 generator back up power supply. Power Distribution system is consisting with 15 Nos. of transformers and a ring main unit. Therefore, UHKDU plans to call bids for AMC for maintenance and breakdown assistance from reputed firms.

2. Competitive bidders to study the work scope given by the UHKDU and to be quote accordingly. Bidder should indicate suggested work scope in the adjacent column. Moreover, substantive bidders should be able to provide service demonstration in case the evaluation board demands.

3. Equipment list installed in each and every location has been given below. Therefore, bidder should provide AMC price for each separately to use during the evaluation.

4. The AMC should be under the labor only category. Relevant spares should be installed during the schedule as well as during breakdowns and payments for those will be done accordingly as per the price "schedule given by the bidder. Bidder should submit relevant invoices with 30 days of credit period as payment term.

5. Site visit is mandatory and bidders to schedule prior to pre bid meeting in liaise with procurement department of UHDKU. Senior Electrical Engineer and staff will incorporate with a technical briefing and relevant single line diagrams will be provided during the site visit.

6. Bidders should correctly complete the price schedule for the work scope attached herewith. Price break down for each substation and building indicated in the chart should be filled.

7. Bidder should indicate spare part list required to carry to out PPM along with the bid documents. Further it is required to indicate their approximate unit price as feasible for onward procurement action.

8. Spare parts should be OEM and should carry OEM warranty in OEM indicated durations. However, UHKDU has the authority to decide the purchasing of spare parts from the bidder or local market after surveying the prevailing market prices in case by case.

9. Bidder's representative should be available in the premises within 01 hour when a breakdown occurs and attend repairs immediately. Charges for breakdown repairs should not be included for the total contract price. However, bidder to indicate labor charges for each grades (Engineer, technicians,. etc.) separately and total repair cost to be calculated accordingly which is to be paid by the UHKDU in case by case. Transport charges for each breakdown repairs also to be paid by UHKDU in case. For such a cases bidder should submit relevant invoices with 30 days of credit period as payment term.

10. PPM schedule should be carried out under the supervision of Charter Engineer and qualified staff. E.dder to indicate the qualifications and grades of propose staff in the bid. Moreover, bidder should indicate the advanced test equipment which are planned to be used during maintenance as well as breakdowns.

11. Bidder to indicate past works experiences on respective field with proving documents. Senior Eletrical Engineer (Maintenance) University Hospiel KDU 12. Bidder to attend for each section mentioned in below at once as per the relevant work sco Further, bidder should propose a time table in section wise along with the tender.

13. Comprehensive service and maintenance report should be submitted undersigned by a charter engineer immediately after completion of respective service.

14. The agreement will be valid for 12 calendar months from the day it is signed. Continuing the contract will be considered by the UHKDU after evaluating the performance by the bidder end of every contract period.

15. Bidders shall indicate any special comments/suggestions along with the bid document.

16. Payment will be done in quarter basis, 25% of total contract price at each quarter. However, bidders should submit 10% of performance bond before signing the contract.

17. Tendency of breaking down the system is in a low value during the last 04 years. Therefore, supplier may consider that facts prior quoting. System inspection can be arranged during the site visit on the demand of bidders. Relevant breakdown logs and records can be inspected during the site visit.

PROCUREMENT MANAGER University Hospital General Sir John Kotelawala Defence University Verahera

### Annexure HIGH VOLTAGE, MEDIUM VOLTAGE AND LOW VOLTAGE SWITCH GEAR/COMPONENT DETAILS

# M/V (33KV/11KV) SWITCH GEAR (SCHNEIDER BRAND)

### "A" SUB STATION

| Item Description | Model                  | Rated voltage | Rated current | Qty. |
|------------------|------------------------|---------------|---------------|------|
| Incoming S/G Set | DNF7-02G               | 36kV          | 750A          | 02   |
| Outgoing S/G Set | DNF7 - 01              | 36kV          | 750A          | 02   |
| Bus Bar Riser    | DNF7 - 59              | 36kV          | 1250A         | 01   |
| Bus Bar VT       | DNF7 - 52              | 36kV          | -             | 01   |
| Sectionalizer    | DNF7-42                | 36kV          | 1250A         | 01   |
| Incoming S/G Set | PIX12 - 011            | 12kV          | 750A          | 02   |
| Outgoing S/G Set | PIX12-001              | 12kV          | 750A          | 01   |
| Outgoing S/G Set | PIX12-001              | 12kV          | 500A          | 03   |
| Incoming S/G Set | PIX12 - 011            | 12kV          | 500A          | 04   |
| Outgoing S/G Set | PIX12-001              | 12kV          | 150A          | 01   |
| Bus Bar VT       | PIX12-001              | 12kV          | -             | 03   |
| Bus Bar Riser    | PIX12-086              | 12kV          | 1250A         | 01   |
| Bus Bar Riser    | PIX12-086              | 12KV          | 630A          | 01   |
| Bus Coupler      | PIX12-080              | 12kV          | 750A          | 01   |
| Bus Coupler      | PIX12-080              | 12kV          | 500A          | 01   |
| MLTF for SS(A)   | PIX12-045G             | 12kV          | 6.3A          | 02   |
| Transformers     | Dry-Type<br>cast resin | 33kV to 11kV  | 8000 kVA      | 02   |

### **"C" SUB STATION**

| Item description | Model               | Rated voltage | Rated current | Qty. |
|------------------|---------------------|---------------|---------------|------|
| Transformers     | Dry-Type cast resin | 11kV to 400V  | 1250 kVA      | 02   |
| RM6 Unit         | NE DIDI             | 12 kV         | 630A          | 01   |

### **"D" SUB STATION**

| Item description | Model               | Rated voltage | Rated current | Qty. |
|------------------|---------------------|---------------|---------------|------|
| Transformers     | Dry-Type cast resin | 11kV to 400V  | 800KvA        | 01   |
| RM6 Unit         | NE DIDI             | 12kV          | 630A          | 01   |

### **"E" SUB STATION**

| Item description | Model               | Rated voltage | Rated current | Qty. |
|------------------|---------------------|---------------|---------------|------|
| Transformers     | Dry-Type cast resin | 11kV to 400V  | 800 kVA       | 01   |
| RM6 Unit         | NE DIDI             | 12kV          | 630A          | 01   |

### **F SUB STATION**

| Item description | Model               | Rated voltage | Rated current | Qty. |
|------------------|---------------------|---------------|---------------|------|
| Transformers     | Dry-Type cast resin | 11kV to 400V  | 1250 kVA      | 02   |
| RM6 Unit         | NE DIDI             | 12kV          | 630A          | 01   |

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# SERVICE BUILDING

|                          |  | 1 11          | Rated current  | Qty. | 122 |
|--------------------------|--|---------------|--|------|-----|
| Item description         | Model  | Rated voltage |  | 02   |     |
| Incoming Switch gear Set | PIX12 - 011  | 12kV          | 500A   | 07   |     |
|                          | PIX12 - 001  | 12kV          | 200A   |      |     |
| Outgoing Switch gear Set | a state of the second sec | 12kV          | 150A   | 01   |     |
| Outgoing Switch gear Set | PIX12 - 001  | 12kV          |  | 02   |     |
| Bus Bar VT               | PIX12 - 032  |               | 750A   | 01   |     |
| Bus Coupler              | PIX12 - 080  | 12kV          | 1250A  | 01   |     |
| Bus Bar Riser            | PIX1212 - 086  | 12 kV         |  | 03   |     |
|                          |  | 11 kV to 400V | 2500KVA  |      |     |
|                          | Dry-Type   | 400V to 11kV  | 2500KVA  | 01   | 1-1 |
| Transformers             | cast resin   | 11 kV to 400V | 2000KvA  | 02   |     |
|                          | Cast resin   | 11 kV to 400V | 1000KvA  | 01   |     |
|                          |  |               | 100 million (100 m |      |     |

### **GENERATOR PANEL**

| Item description    | Model                 | Rated voltage | Rated current | Qty: |
|---------------------|-----------------------|---------------|---------------|------|
| Power Command Panel | DMC 1000 (Free stand) | 380 V- 415V   |               | 01   |
| Generator Incoming  | SACE PR 121/P         | 400V          | 3200A         | 04   |
| Breakers            |                       | •             |               |      |
| Out Going Breakers  | SACE PR 121/P         | 400V          | 4000A         | 04   |
| Out Going Breakers  | SACE PR 121/P         | 400V          | 3200A         | 02   |
| Out Going Breakers  | SACE PR 121/P         | 400V          | 1600A         | 01   |

### 2. LOW VOLTAGE PANELS (400V)

| Item description                              | Model   | Rated voltage | Rated current | Location          | Qty. |  |  |  |  |  |
|---|---------|---------------|---------------|-------------------|------|--|--|--|--|--|
|   |         |               |               | C Sub Station     | 01   |  |  |  |  |  |
| Low voltage<br>power<br>distribution<br>panel | Low     |               |               | D Sub Station     | 01   |  |  |  |  |  |
|   | voltage | 400V/50HZ     | 300-1600A     | E Sub Station     | 01   |  |  |  |  |  |
|   | switch  | 400V/SUHZ     | 300-1000A     | F Sub Station     | 01   |  |  |  |  |  |
|   | gear    |               |               | Service Building  | 03   |  |  |  |  |  |
|   |         |               |               | Hospital Building | 03   |  |  |  |  |  |
| Total   |         |               |               |                   |      |  |  |  |  |  |

### 3. UNINTERRUPTED POWER SUPPLY UNIT FOR CONTROL SUPPLY

| Item description  | Model         | Rated output<br>voltage | Rated output current | Location         | Qty. |
|-------------------|---------------|-------------------------|----------------------|------------------|------|
| Construct Domeson | GZDW 110V/40A | 110V                    | 40A                  | A Sub Station    | 01   |
| Control Power     | GZDW 110V/20A | 110V                    | 20A                  | A Sub Station    | 01   |
| Panel (UPS)       | GZDW 110V/40A | 110V                    | 40A                  | Service Building | 01   |
| TOTAL             |               |                         |                      |                  | 03   |

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### 4. LIST OF TRANSFORMERS (DRY TYPE CAST RESIN)

|   | Sr. No. | Capacity (kVA) | Qty.       |
|---|---------|----------------|------------|
|   | 1       | 8000           | Qty.<br>02 |
|   | 2       | 2500           | 04         |
|   | 3 2000  |                | 02         |
|   | 4       | 1250           | 04         |
| Γ | 5       | 1000           | 01         |
| Γ | 6       | 800            | 02         |
| F |         | TOTAL          | 15         |

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University Hospital General Sir John Kotelawala Defence University Gerahera

# **EXPECTED MAINTENANCE IN EACH LOCATION/EQUIPMENT**

|     | SEC         | CTION 1 - CIRCUIT BREAKERS/ RM6 UNITS (33kV/11kV)   | D:11.2   |
|-----|-------------|---|--|
|     | Area/unit   | UHKDU requirement   | Bidder's<br>work scope   |
|     |             | Inspection of the position indicators and signaling micro<br>switches                         |  |
|     |             | Inspection of locking + interlocking mechanism function                                       | _  |
|     |             | Inspection of withdrawal mechanism  | _  |
|     |             | Inspection of the shutters  | _  |
| 1.1 | Cubical     | Cleaning / checking switch line operating mechanism   | _  |
|     |             | Cleaning / checking of isolators (tightening , chalking, cracking                             | -  |
|     |             | , signs of heating)   | -  |
|     |             | Cleaning / checking of Earthing switch operating mechanism                                    | -  |
|     |             | Cleaning / checking / greasing of Earthing switch plugs                                       | -  |
|     |             | Cleaning / checking / greasing of shutter locking system                                      |  |
|     | CT/VT       | Cleaning / inspection of isolators (chalking, cracking, signs of heating)                     |  |
| 1.2 | Compartment | Cleaning / inspection of TPs (tightening ,chalking, cracking ,<br>signs of heating)           |  |
|     |             | Lumentian of hus hers (cleaning tightening chalking   |  |
|     | Bus bar     | Inspection of bus bars (cleaning, tightening ,chalking, cracking, signs of heating)           |  |
| 1.3 | Compartment | Inspection of isolator switches (cleaning, tightening, chalking,                              |  |
|     | Comparament | cracking, signs of heating)   |  |
|     |             |   |  |
|     |             | Cleaning of resin bodies  | _  |
|     |             | Inspection of state of the auxiliaries contact (on/off, rack in, rack off etc.)               |  |
|     | -           | Inspection of functional and safety interlock on device                                       | _  |
|     |             | Cleaning / checking / greasing of the power contacts (plugs, sliding contact, light greasing) |  |
|     |             | Measurement of main contact resistance (micrometer)   |  |
|     | Circuit     | Cleaning /checking / greasing of the moving withdrawal parts                                  |  |
| 1.4 | Breakers    | Checking of coupling rods   |  |
|     |             | Cleaning / checking / greasing of the operating mechanism                                     |  |
|     |             | Cleaning / checking / greasing of the latching mechanism                                      |  |
| 0   | -           | Cleaning / checking / greasing of the closing and opening                                     |  |
|     |             | springs   |  |
|     |             | Cleaning / checking / greasing of the motor and reduce  | $\bigwedge$  |
|     |             | Cleaning / checking / greasing of all linkages  |  |
|     |             | Check LV electrical wiring connections  |  |
|     |             |   | Amminut  |
| 1.5 | Tests       | Mechanical (manual on/off)  | PROCUREMENT MANAGER  |
| 6   | *           | D1 (* 1//.0)  | University Hospital<br>General Sir John Kotelawala Defence (<br>Merahera |
| .6  | Associated  | Inspection of protection relay (setting, tripping functions)                                  |  |
|     | protection  | Inspection of upstream / downstream selectivity   |  |
|     |             | PCD GODAKANDA   |  |

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|           |                           | SECTION 2 - PROTECTION RELAYS  | Bidder's<br>work scope |
|-----------|---------------------------|--|------------------------|
| Area/unit |                           | UHKDU requirement  | HOLD A                 |
| 2.1       | Preventive<br>Maintenance | Inspection of protection measured values, alarms, battery status<br>through HMI<br>Inspection of connections<br>Inspection of wiring<br>Inspection of tripping circuits<br>Checking of tripping curves<br>Inspection of protection settings<br>Downstream / upstream blocking or permissive scheme |                        |
| 2.2       | Settings                  | Checking / updating of electrical network settings<br>Equipment upgrade<br>Software upgrade (digital relays)   |                        |
| 2.3       | Diagnosis                 | Inspection of tripping circuits<br>Checking of tripping curves<br>Inspection of protection settings  |                        |

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|           |                 | SECTION 3 - TRANSFORMERS  | Bidder's                                   |  |
|-----------|-----------------|---|--|--|
| Area/unit |                 | UHKDU requirement   | work scope                                 |  |
|           |                 | Inspection of connections (heating, discharges, etc.)                                     | _  |  |
| -         |                 | Inspection of magnetic circuit appearance   | _  |  |
| 2.1       | Visual          | Inspection of degradation of surface coating and transformer<br>components                |  |  |
| 3.1       | Inspection      | Inspection of visual leakages (Crack for CRT)   |  |  |
|           |                 | Checking of environmental issues (pollution / fires)                                      |  |  |
|           |                 | Checking of winding   |  |  |
|           |                 |   | 1  |  |
|           |                 | Cleaning of bushing (and winding for CRT)   |  |  |
| 3.2       | Cleaning        | (Note: De-dusting and Cleaning of transformer<br>compartment will be done by UHKDU staff) |  |  |
|           |                 |   |  |  |
|           | The ification / | Checking of transformer's protection systems  | _  |  |
| 3.3       | Verification /  |   | Checking of air dryer and repair if needed |  |
|           | Repairs         | Checking of accessories (temperature probe,)  |  |  |
| 3.4       | Tests           | Insulation Resistance test  |  |  |

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| 1   |                              | SECTION 4 – 400V SWITCH BOARDS   |                        |
|-----|------------------------------|--|------------------------|
|     | Area/unit                    | UHKDU requirement  | Bidder's<br>work scope |
| 4.1 | Enclosure                    | Efficiency / presence of interlocking devices<br>(Note: De-dusting of switchboard will be done by UHKDU staff)   |                        |
| 4.2 | Indications                  | Inspection of indicators (indicator lights, mechanical indicators, etc.)   |                        |
|     |                              | Checking signaling / measuring equipment values  |                        |
| 4.3 | Connections                  | Inspection of heating<br>Inspection of power connections: bus bars, terminations, bus bar<br>supports.<br>Inspection of downstream power connections: connecting pads,<br>cable mechanical strength<br>Inspection of earth connections and continuity<br>Inspection of clamp connections: wear / greasing<br>Inspection of cable connections (tightening, fixing)<br>Inspection of auxiliary connections<br>Checking of shutter moves freely<br>Checking of drawer locks operates correctly<br>Cleaning / greasing of slides<br>Checking of condition of collector<br>Checking of isolation<br>LV plug-in drawers<br>Inspection / cleaning of the drawer<br>Inspection of safety devices (tripping on withdrawal, interlocks)<br>Drawer connection tests |                        |
| 4.4 | Switchgear /<br>Control gear | De-dusting<br>Inspection of opening / closing<br>Inspection of switchgear wearing parts: main contacts, arcing<br>chamber.   | _                      |

| Area/unit |                           | SECTION 5 - POWER FACTOR CORRECTION<br>UHKDU requirement  | Bidder's<br>work scope |
|-----------|---------------------------|---|------------------------|
| 51        | Inspections<br>(Power On) | Inspection of variable metric regulator (cos phi set-up, delay, C/K, steps)   |                        |
|           |                           | Check current (A) at the general incomer to the capacitor bank  |                        |
|           |                           | Check current at incomer to each step with forcing of step  |                        |
|           |                           | Check THDU, THDI (rate of voltage and current harmonic distortion)  |                        |
|           |                           |   |                        |
|           | Inspections               | Check capacitors are discharged after lock-out  | -                      |
| 5.2       | 0                         | Clean / dust removal from ventilation system and the whole of the bank  |                        |
| 5.2       | (Power                    | Clean / dust removal from ventuation system and the whole of the built  | -                      |
| 5.2       | (Power<br>Off)            | Clean / dust removal from ventuation system and the vinore of the outart<br>Check condition of components (capacitors, switches, and fuses) |                        |

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|           |           | SECTION 6 - CABLES/BUSBARS  | Bidder's   |    |
|-----------|-----------|---|--|----|
| Area/unit |           | va/unit UHKDU requirement   |  |    |
| 6.1       | Cables    | Inspection of cables (chalking, signs of heating, insulation)                       |  |    |
|           |           | Inspection of wiring connections (tightening, fixing, insulation)                   |  |    |
|           | Bus Ducts | Inspection of bus bars (cleaning, tightening, chalking, cracking, signs of heating) |  |    |
| 6.2       | 6.2       | Dus Ducts   | Inspection of isolator switches (cleaning, tightening, chalking, cracking, signs of heating) | Ĩ. |

| Area/unit | UHKDU requirement                                    | Bidder's<br>work scope |
|-----------|--|------------------------|
| 7 UPS     | Visual inspection of the UPS                         |                        |
|           | Electrical measurement and states                    |                        |
|           | Checking and correction of all parameters, equipment |                        |
|           | Rectify any apparent faults                          |                        |

Note: Bidder to indicate/suggest any maintenance/PPM apart from above.

## PRICES TO BE INDICATED IN THE FOLLOWING TABLE

| Sr. No. | Compartment/Location | AMC price (Rs.) |  |  |  |
|---------|----------------------|-----------------|--|--|--|
| 01      | "A" Sub station      |                 |  |  |  |
| 02      | "C" Sub station      |                 |  |  |  |
| 03      | "D" Sub station      |                 |  |  |  |
| 04      | "E" Sub station      |                 |  |  |  |
| 05      | "F" Sub station      |                 |  |  |  |
| 06      | Main building        |                 |  |  |  |
| 07      | Low voltage panels   |                 |  |  |  |
| 08      | UPS                  |                 |  |  |  |
|         | TOTAL                |                 |  |  |  |

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#### **DELIVERY SCHEDULE**

(IT IS MANDATORY TO FILL THE FOLLOWING SCHEDULE BY THE BIDDER) TENDER NO :

.....

| DURATION                      | QTY |
|-------------------------------|-----|
| EX STOCK QTY (WITHIN 01 WEEK) |     |
| 01MONTH                       |     |
| 02 MONTHS                     |     |
| 03 MONTHS                     |     |
| 04 MONTHS                     |     |
| TOTAL                         |     |

NAME OF THE BIDDER : ..... SIGNATURE OF BIDDER : .... DATE : ....

COMPANY SEAL : .....:

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#### ANNEX "D"

#### SPECIMEN FORM OF BID SECURITY

By this Bond we ...... (hereinafter called "the Bidder") and We (name of bank or insurance company) whose called "the registered office is at ..... (hereinafter Surety") are held and firmly bound onto the ..... (hereinafter called the Authority") in sum of for the payment of which sum the Bidder and the Surety bind themselves their successors and assigns jointly and severally by those presents.

submit the same for the consideration of the Authority, and the Bidder proposes to submit to the Authority a Bid (hereafter called "the Bid") in accordance with such invitation, the Bond shall provide security to the Authority that the Bidder will honour certain obligations to be undertaken by him in the Tender in accordance with the following conditions.

#### Now the Conditions of this Bond are:

- (a) That it shall remain in full force and effect until the earliest of
  - (i) (Date), being () days from (submission date), the date stipulated by the Authority for the submission of tenders, or any prolongation of such date above notified to the Authority by the Bidder and the Surety in writing.
  - (ii) In the event of acceptance of the Tender by the Authority, the date upon which the Bidder provides a performance security to the Authority in accordance with the terms of the contract thereby made between them, or

(b) Subject to this Bond being in full force and effect, the Surety shall pay the full amount specified in this Bond upon receipt of first written demand form the Authority stating that.

(i) The Bidder has withdrawn his Tender during the validity of this Bond, or

(ii) The Bidder has failed to provide a performance security to the Authority in accordance with the terms of the tender within 14 days from receipt of intimation of award of the Tender.

No alteration in the terms of the Tender, nor any forbearance of forgiveness in or in respect of neither any matter or thing concerning the Tender on the part of the Authority, nor any objection from the bidder shall in any way release the Surety from any liability under this Bond.

The benefit of this Bond shall not be assignable by the Authority and upon its ceasing to be in full force and effect the Authority shall return the same to the Bidder.

This Bond shall be governed by the laws of Sri Lanka

| I  | executed as a deed on this (  | ) day of (                      | ) 20 ( | )                       |
|----|-------------------------------|---------------------------------|--------|-------------------------|
| Fo | r and on behalf of the Bidder | For and on behalf of the Surety |        |                         |
|    |                               |                                 |        |                         |
|    |                               |                                 |        |                         |
| Si | gned by                       |                                 |        | Signed by               |
| In | the capacity of               |                                 |        | In the capacity of      |
| an | d by                          |                                 |        | and by                  |
| In | the capacity of               |                                 |        | In the capacity of      |
| Se | al (where applicable)         |                                 |        | Seal (where applicable) |

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