

INTERNATIONAL CENTRE FOR THEORETICAL SCIENCES
TATA INSTITUTE OF FUNDAMENTAL RESEARCH

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ENQUIRY

Ref: ICTS/PD/CF22-22/220086

October 25, 2022

Dear Sirs

Please let us have your Quotation for the following:

| S.No. | Item Code | Description | Qty | UOM |
|-------|-------------|--|------|-----|
| 1 | LSWRM000639 | <p>Comprehensive Annual Maintenance Contract of Emerson GXT MT+ Rating 6kVA Online UPS</p> <p>Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider.</p> <p>Duration: 1 year</p> <p>No. of Visit: 12 (every month)</p> <p>No. of Breakdown: Unlimited</p> <p>1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers.</p> <p>2. This service Includes all spare parts (Except Batteries capacitors), labour travel coverage Unlimited Breakdown calls.</p> <p>3. This AMC Includes 100% labour charges, travel coverage, Profit taxes etc., 7 days/week, 24 hours/day,</p> <p>4. This includes the fault tracing rectification of the Battery Breaker tripping due to battery failure.</p> <p>5. During the AMC Period if UPS finds malfunctioning then the same shall be replaced with a standby UPS till the necessary repairing/replacement period.</p> <p>6. The scope shall include checking and rectifying the issue of UPS tripping in High-temperature conditions.</p> <p>7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs Wire wound Components within the UPS, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges.</p> <p>PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.</p> <p>¿ Cleaning up of Unit, Visual Inspection to check any deformation.</p> <p>¿ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage Current.</p> <p>¿ Checking and Adjustment (If needed) of Control parameters on different PCBs.</p> <p>¿ Tightness of all connections, if shut down possible.</p> <p>¿ Functional Checking of the Rectifier section.</p> <p>¿ Functional Checking of the Inverter section.</p> <p>¿ Functional Checking of Static Switch Section.</p> <p>¿ With customer approval, perform operational tests of the system including unit transfer and battery discharge.</p> <p>¿ Install or perform Engineering Field Change Notices (FCN) as necessary.</p> | 3.00 | NOS |
| 2 | LSWRM000640 | <p>Comprehensive Annual Maintenance Contract of Emerson LIEBERT ITA2 Rating 6kVA Online UPS</p> <p>Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider.</p> <p>Duration: 1 year</p> <p>No. of Visit: 12 (every month)</p> | 1.00 | NOS |

LSWRM000640 No. of Breakdown: Unlimited

1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers.
 2. This service Includes all spare parts (Except Batteries | capacitors), labour | travel coverage | Unlimited Breakdown calls.
 3. This AMC Includes 100% labour charges, travel coverage, Profit | taxes etc., 7 days/week, 24 hours/day,
 4. This includes the fault tracing | rectification of the Battery Breaker tripping due to battery failure.
 5. During the AMC Period if UPS finds malfunctioning then the same shall be replaced with a standby UPS till the necessary repairing/replacement period.
 6. The scope shall include checking and rectifying the issue of UPS tripping in High-temperature conditions.
 7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs | Wire wound Components within the UPS, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges.
- PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.
- ¿ Cleaning up of Unit, Visual Inspection to check any deformation.
 - ¿ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage | Current.
 - ¿ Checking and Adjustment (If needed) of Control parameters on different PCBs.
 - ¿ Tightness of all connections, if shut down possible.
 - ¿ Functional Checking of the Rectifier section.
 - ¿ Functional Checking of the Inverter section.
 - ¿ Functional Checking of Static Switch Section.
 - ¿ With customer approval, perform operational tests of the system including unit transfer and battery discharge.
 - ¿ Install or perform Engineering Field Change Notices (FCN) as necessary.

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| 3 | LSWRM000641 Comprehensive Annual Maintenance Contract of APC SUVTP40KHS Rating 40kVA Online UPS | 1.00 | NOS |
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Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider.

Duration: 1 year

No. of Visit: 12 (every month)

No. of Breakdown: Unlimited

1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers.
 2. This service Includes all spare parts (Except Batteries | capacitors), labour | travel coverage | Unlimited Breakdown calls.
 3. This AMC Includes 100% labour charges, travel coverage, Profit | taxes etc., 7 days/week, 24 hours/day,
 4. This includes the fault tracing | rectification of the Battery Breaker tripping due to battery failure.
 5. During the AMC Period if UPS finds malfunctioning then the same shall be replaced with a standby UPS till the necessary repairing/replacement period.
 6. The scope shall include checking and rectifying the issue of UPS tripping in High-temperature conditions.
 7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs | Wire wound Components within the UPS, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges.
- PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.
- ¿ Cleaning up of Unit, Visual Inspection to check any deformation.
 - ¿ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage | Current.
 - ¿ Checking and Adjustment (If needed) of Control parameters on different PCBs.
 - ¿ Tightness of all connections, if shut down possible.
 - ¿ Functional Checking of the Rectifier section.
 - ¿ Functional Checking of the Inverter section.
 - ¿ Functional Checking of Static Switch Section.
 - ¿ With customer approval, perform operational tests of the system including

LSWRM000641 unit transfer and battery discharge.
 ↳ Install or perform Engineering Field Change Notices (FCN) as necessary.

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| 4 | <p>LSWRM000642 Comprehensive Annual Maintenance Contract of Emerson UHA3R-0200L Rating 20kVA Online UPS</p> <p>Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider. Duration: 1 year No. of Visit: 12 (every month) No. of Breakdown: Unlimited</p> <ol style="list-style-type: none"> 1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers. 2. This service Includes all spare parts (Except Batteries capacitors), labour travel coverage Unlimited Breakdown calls. 3. This AMC Includes 100% labour charges, travel coverage, Profit taxes etc., 7 days/week, 24 hours/day, 4. This includes the fault tracing rectification of the Battery Breaker tripping due to battery failure. 5. During the AMC Period if UPS finds malfunctioning then the same shall be replaced with a standby UPS till the necessary repairing/replacement period. 6. The scope shall include checking and rectifying the issue of UPS tripping in High-temperature conditions. 7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs Wire wound Components within the UPS, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges. <p>PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.</p> <ul style="list-style-type: none"> ↳ Cleaning up of Unit, Visual Inspection to check any deformation. ↳ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage Current. ↳ Checking and Adjustment (If needed) of Control parameters on different PCBs. ↳ Tightness of all connections, if shut down possible. ↳ Functional Checking of the Rectifier section. ↳ Functional Checking of the Inverter section. ↳ Functional Checking of Static Switch Section. ↳ With customer approval, perform operational tests of the system including unit transfer and battery discharge. ↳ Install or perform Engineering Field Change Notices (FCN) as necessary. | 1.00 | NO |
| 5 | <p>LSWRM000643 Comprehensive Annual Maintenance Contract of Emerson Online, Rating 2kVA Online UPS</p> <p>Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider. Duration: 1 year No. of Visit: 12 (every month) No. of Breakdown: Unlimited</p> <ol style="list-style-type: none"> 1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers. 2. This service Includes all spare parts (Except Batteries capacitors), labour travel coverage Unlimited Breakdown calls. 3. This AMC Includes 100% labour charges, travel coverage, Profit taxes etc., 7 days/week, 24 hours/day, 4. This includes the fault tracing rectification of the Battery Breaker tripping due to battery failure. 5. During the AMC Period if UPS finds malfunctioning then the same shall be replaced with a standby UPS till the necessary repairing/replacement period. 6. The scope shall include checking and rectifying the issue of UPS tripping in High-temperature conditions. 7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs Wire wound Components within the UPS, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges. <p>PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.</p> | 17.00 | NOS |

- LSWRM000643
- ¿ Cleaning up of Unit, Visual Inspection to check any deformation.
 - ¿ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage | Current.
 - ¿ Checking and Adjustment (If needed) of Control parameters on different PCBs.
 - ¿ Tightness of all connections, if shut down possible.
 - ¿ Functional Checking of the Rectifier section.
 - ¿ Functional Checking of the Inverter section.
 - ¿ Functional Checking of Static Switch Section.
 - ¿ With customer approval, perform operational tests of the system including unit transfer and battery discharge.
 - ¿ Install or perform Engineering Field Change Notices (FCN) as necessary.

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| 6 | LSWRM000644 | Comprehensive Annual Maintenance Contract of Eaton Online, Rating 2kVA Online UPS | 1.00 | NOS |
| <p>Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider.</p> <p>Duration: 1 year</p> <p>No. of Visit: 12 (every month)</p> <p>No. of Breakdown: Unlimited</p> <p>1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers.</p> <p>2. This service Includes all spare parts (Except Batteries capacitors), labour travel coverage Unlimited Breakdown calls.</p> <p>3. This AMC Includes 100% labour charges, travel coverage, Profit taxes etc., 7 days/week, 24 hours/day,</p> <p>4. This includes the fault tracing rectification of the Battery Breaker tripping due to battery failure.</p> <p>5. During the AMC Period if UPS finds malfunctioning then the same shall be replaced with a standby UPS till the necessary repairing/replacement period.</p> <p>6. The scope shall include checking and rectifying the issue of UPS tripping in High-temperature conditions.</p> <p>7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs Wire wound Components within the UPS, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges.</p> <p>PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.</p> <ul style="list-style-type: none"> ¿ Cleaning up of Unit, Visual Inspection to check any deformation. ¿ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage Current. ¿ Checking and Adjustment (If needed) of Control parameters on different PCBs. ¿ Tightness of all connections, if shut down possible. ¿ Functional Checking of the Rectifier section. ¿ Functional Checking of the Inverter section. ¿ Functional Checking of Static Switch Section. ¿ With customer approval, perform operational tests of the system including unit transfer and battery discharge. ¿ Install or perform Engineering Field Change Notices (FCN) as necessary. | | | | |
| 7 | LSWRM000645 | Comprehensive Annual Maintenance Contract of Emerson Online, Rating 1kVA Online UPS | 1.00 | NOS |
| <p>Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider.</p> <p>Duration: 1 year</p> <p>No. of Visit: 12 (every month)</p> <p>No. of Breakdown: Unlimited</p> <p>1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers.</p> <p>2. This service Includes all spare parts (Except Batteries capacitors), labour travel coverage Unlimited Breakdown calls.</p> <p>3. This AMC Includes 100% labour charges, travel coverage, Profit taxes etc., 7 days/week, 24 hours/day,</p> <p>4. This includes the fault tracing rectification of the Battery Breaker tripping due to battery failure.</p> | | | | |

- LSWRM000645 5. During the AMC Period if UPS finds malfunctioning then the same shall be replaced with a standby UPS till the necessary repairing/replacement period.
6. The scope shall include checking and rectifying the issue of UPS tripping in High-temperature conditions.
7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs | Wire wound Components within the UPS, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges.
- PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.
- ¿ Cleaning up of Unit, Visual Inspection to check any deformation.
 - ¿ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage | Current.
 - ¿ Checking and Adjustment (If needed) of Control parameters on different PCBs.
 - ¿ Tightness of all connections, if shut down possible.
 - ¿ Functional Checking of the Rectifier section.
 - ¿ Functional Checking of the Inverter section.
 - ¿ Functional Checking of Static Switch Section.
 - ¿ With customer approval, perform operational tests of the system including unit transfer and battery discharge.
 - ¿ Install or perform Engineering Field Change Notices (FCN) as necessary.

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| 8 | <p>LSWRM000646 Comprehensive Annual Maintenance Contract of APC Online, Rating 3kVA Online UPS</p> <p>Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider.</p> <p>Duration: 1 year</p> <p>No. of Visit: 12 (every month)</p> <p>No. of Breakdown: Unlimited</p> <p>1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers.</p> <p>2. This service Includes all spare parts (Except Batteries capacitors), labour travel coverage Unlimited Breakdown calls.</p> <p>3. This AMC Includes 100% labour charges, travel coverage, Profit taxes etc., 7 days/week, 24 hours/day.</p> <p>4. This includes the fault tracing rectification of the Battery Breaker tripping due to battery failure.</p> <p>5. During the AMC Period if UPS finds malfunctioning then the same shall be replaced with a standby UPS till the necessary repairing/replacement period.</p> <p>6. The scope shall include checking and rectifying the issue of UPS tripping in High-temperature conditions.</p> <p>7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs Wire wound Components within the UPS, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges.</p> <p>PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.</p> <ul style="list-style-type: none"> ¿ Cleaning up of Unit, Visual Inspection to check any deformation. ¿ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage Current. ¿ Checking and Adjustment (If needed) of Control parameters on different PCBs. ¿ Tightness of all connections, if shut down possible. ¿ Functional Checking of the Rectifier section. ¿ Functional Checking of the Inverter section. ¿ Functional Checking of Static Switch Section. ¿ With customer approval, perform operational tests of the system including unit transfer and battery discharge. ¿ Install or perform Engineering Field Change Notices (FCN) as necessary. | 1.00 | NOS |
| 9 | <p>LSWRM000647 Comprehensive Annual Maintenance Contract of APC, Emerson, Cruze, Zebronics, Rating 600 VA Online UPS</p> <p>Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider.</p> <p>Duration: 1 year</p> <p>No. of Visit: 12 (every month)</p> | 9.00 | NOS |

LSWRM000647 No. of Breakdown: Unlimited

1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers.
 2. This service Includes all spare parts (Except Batteries | capacitors), labour | travel coverage | Unlimited Breakdown calls.
 3. This AMC Includes 100% labour charges, travel coverage, Profit | taxes etc., 7 days/week, 24 hours/day,
 4. This includes the fault tracing | rectification of the Battery Breaker tripping due to battery failure.
 5. During the AMC Period if UPS finds malfunctioning then the same shall be replaced with a standby UPS till the necessary repairing/replacement period.
 6. The scope shall include checking and rectifying the issue of UPS tripping in High-temperature conditions.
 7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs | Wire wound Components within the UPS, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges.
- PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.
- ¿ Cleaning up of Unit, Visual Inspection to check any deformation.
 - ¿ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage | Current.
 - ¿ Checking and Adjustment (If needed) of Control parameters on different PCBs.
 - ¿ Tightness of all connections, if shut down possible.
 - ¿ Functional Checking of the Rectifier section.
 - ¿ Functional Checking of the Inverter section.
 - ¿ Functional Checking of Static Switch Section.
 - ¿ With customer approval, perform operational tests of the system including unit transfer and battery discharge.
 - ¿ Install or perform Engineering Field Change Notices (FCN) as necessary.

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| 10 | LSWRM000648 | Comprehensive Annual Maintenance Contract of Microtek make Inverter, Rating 1100VA | 7.00 | NOS |
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Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider.

Duration: 1 year

No. of Visit: 12 (every month)

No. of Breakdown: Unlimited

1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers.
 2. This service Includes all spare parts (Except Batteries | capacitors), labour | travel coverage | Unlimited Breakdown calls.
 3. This AMC Includes 100% labour charges, travel coverage, Profit | taxes etc., 7 days/week, 24 hours/day,
 4. This includes the fault tracing | rectification of the Battery Breaker tripping due to battery failure.
 5. During the AMC Period if UPS/Inverter finds malfunctioning then the same shall be replaced with a standby UPS/Inverter till the necessary repairing/replacement period.
 6. The scope shall include checking and rectifying the issue of UPS/Inverter tripping in High-temperature conditions.
 7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs | Wire wound Components within the UPS/Inverter, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges.
- PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.
- ¿ Cleaning up of Unit, Visual Inspection to check any deformation.
 - ¿ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage | Current.
 - ¿ Checking and Adjustment (If needed) of Control parameters on different PCBs.
 - ¿ Tightness of all connections, if shut down possible.
 - ¿ Functional Checking of the Rectifier section.
 - ¿ Functional Checking of the Inverter section.
 - ¿ Functional Checking of Static Switch Section.

LSWRM000648 ı With customer approval, perform operational tests of the system including unit transfer and battery discharge.
ı Install or perform Engineering Field Change Notices (FCN) as necessary.

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| 11 | LSWRM000649 | Comprehensive Annual Maintenance Contract of AMAZE make Inverter, Rating 1000VA | 8.00 | NO |
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Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider.

Duration: 1 year

No. of Visit: 12 (every month)

No. of Breakdown: Unlimited

1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers.
2. This service Includes all spare parts (Except Batteries | capacitors), labour | travel coverage | Unlimited Breakdown calls.
3. This AMC Includes 100% labour charges, travel coverage, Profit | taxes etc., 7 days/week, 24 hours/day,
4. This includes the fault tracing | rectification of the Battery Breaker tripping due to battery failure.
5. During the AMC Period if UPS/Inverter finds malfunctioning then the same shall be replaced with a standby UPS/Inverter till the necessary repairing/replacement period.
6. The scope shall include checking and rectifying the issue of UPS/Inverter tripping in High-temperature conditions.
7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs | Wire wound Components within the UPS/Inverter, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges.

PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.

- ı Cleaning up of Unit, Visual Inspection to check any deformation.
- ı Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage | Current.
- ı Checking and Adjustment (If needed) of Control parameters on different PCBs.
- ı Tightness of all connections, if shut down possible.
- ı Functional Checking of the Rectifier section.
- ı Functional Checking of the Inverter section.
- ı Functional Checking of Static Switch Section.
- ı With customer approval, perform operational tests of the system including unit transfer and battery discharge.
- ı Install or perform Engineering Field Change Notices (FCN) as necessary.

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| 12 | LSWRM000650 | Comprehensive Annual Maintenance Contract of Luminous make Inverter, Rating 10kVA | 1.00 | NOS |
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Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider.

Duration: 1 year

No. of Visit: 12 (every month)

No. of Breakdown: Unlimited

1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers.
2. This service Includes all spare parts (Except Batteries | capacitors), labour | travel coverage | Unlimited Breakdown calls.
3. This AMC Includes 100% labour charges, travel coverage, Profit | taxes etc., 7 days/week, 24 hours/day,
4. This includes the fault tracing | rectification of the Battery Breaker tripping due to battery failure.
5. During the AMC Period if UPS/Inverter finds malfunctioning then the same shall be replaced with a standby UPS/Inverter till the necessary repairing/replacement period.
6. The scope shall include checking and rectifying the issue of UPS/Inverter tripping in High-temperature conditions.
7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs | Wire wound Components within the UPS/Inverter, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above

LSWRM000650 along with the PCB and other accessories like display buttons without any extra charges.

PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.

- ¿ Cleaning up of Unit, Visual Inspection to check any deformation.
- ¿ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage | Current.
- ¿ Checking and Adjustment (If needed) of Control parameters on different PCBs.
- ¿ Tightness of all connections, if shut down possible.
- ¿ Functional Checking of the Rectifier section.
- ¿ Functional Checking of the Inverter section.
- ¿ Functional Checking of Static Switch Section.
- ¿ With customer approval, perform operational tests of the system including unit transfer and battery discharge.
- ¿ Install or perform Engineering Field Change Notices (FCN) as necessary.

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| 13 | LSWRM000651 | Comprehensive Annual Maintenance Contract of Microtek Luminous make Inverter, Rating 3.6kVA | 2.00 | NOS |
| <p>Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider.</p> <p>Duration: 1 year</p> <p>No. of Visit: 12 (every month)</p> <p>No. of Breakdown: Unlimited</p> <ol style="list-style-type: none"> 1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers. 2. This service Includes all spare parts (Except Batteries capacitors), labour travel coverage Unlimited Breakdown calls. 3. This AMC Includes 100% labour charges, travel coverage, Profit taxes etc., 7 days/week, 24 hours/day, 4. This includes the fault tracing rectification of the Battery Breaker tripping due to battery failure. 5. During the AMC Period if UPS/Inverter finds malfunctioning then the same shall be replaced with a standby UPS/Inverter till the necessary repairing/replacement period. 6. The scope shall include checking and rectifying the issue of UPS/Inverter tripping in High-temperature conditions. 7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs Wire wound Components within the UPS/Inverter, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges. <p>PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.</p> <ul style="list-style-type: none"> ¿ Cleaning up of Unit, Visual Inspection to check any deformation. ¿ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage Current. ¿ Checking and Adjustment (If needed) of Control parameters on different PCBs. ¿ Tightness of all connections, if shut down possible. ¿ Functional Checking of the Rectifier section. ¿ Functional Checking of the Inverter section. ¿ Functional Checking of Static Switch Section. ¿ With customer approval, perform operational tests of the system including unit transfer and battery discharge. ¿ Install or perform Engineering Field Change Notices (FCN) as necessary. | | | | |
| 14 | LSWRM000652 | Comprehensive Annual Maintenance Contract of Luminous make Inverter, Rating 1.6kVA | 13.00 | NOS |
| <p>Scope of Work: The following are the Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider.</p> <p>Duration: 1 year</p> <p>No. of Visit: 12 (every month)</p> <p>No. of Breakdown: Unlimited</p> <ol style="list-style-type: none"> 1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers. 2. This service Includes all spare parts (Except Batteries capacitors), labour | | | | |

- LSWRM000652 travel coverage | Unlimited Breakdown calls.
3. This AMC Includes 100% labour charges, travel coverage, Profit | taxes etc., 7 days/week, 24 hours/day,
 4. This includes the fault tracing | rectification of the Battery Breaker tripping due to battery failure.
 5. During the AMC Period if UPS/Inverter finds malfunctioning then the same shall be replaced with a standby UPS/Inverter till the necessary repairing/replacement period.
 6. The scope shall include checking and rectifying the issue of UPS/Inverter tripping in High-temperature conditions.
 7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs | Wire wound Components within the UPS/Inverter, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges.
- PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.
- ¿ Cleaning up of Unit, Visual Inspection to check any deformation.
 - ¿ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage | Current.
 - ¿ Checking and Adjustment (If needed) of Control parameters on different PCBs.
 - ¿ Tightness of all connections, if shut down possible.
 - ¿ Functional Checking of the Rectifier section.
 - ¿ Functional Checking of the Inverter section.
 - ¿ Functional Checking of Static Switch Section.
 - ¿ With customer approval, perform operational tests of the system including unit transfer and battery discharge.
 - ¿ Install or perform Engineering Field Change Notices (FCN) as necessary.

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| 15 | LSWRM000653 | Comprehensive Annual Maintenance Contract of Luminous make Inverter, Rating Up to 1kVA | 13.00 | NOS |
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Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider.

Duration: 1 year

No. of Visit: 12 (every month)

No. of Breakdown: Unlimited

1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers.
 2. This service Includes all spare parts (Except Batteries | capacitors), labour | travel coverage | Unlimited Breakdown calls.
 3. This AMC Includes 100% labour charges, travel coverage, Profit | taxes etc., 7 days/week, 24 hours/day,
 4. This includes the fault tracing | rectification of the Battery Breaker tripping due to battery failure.
 5. During the AMC Period if UPS/Inverter finds malfunctioning then the same shall be replaced with a standby UPS/Inverter till the necessary repairing/replacement period.
 6. The scope shall include checking and rectifying the issue of UPS/Inverter tripping in High-temperature conditions.
 7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs | Wire wound Components within the UPS/Inverter, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges.
- PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.
- ¿ Cleaning up of Unit, Visual Inspection to check any deformation.
 - ¿ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage | Current.
 - ¿ Checking and Adjustment (If needed) of Control parameters on different PCBs.
 - ¿ Tightness of all connections, if shut down possible.
 - ¿ Functional Checking of the Rectifier section.
 - ¿ Functional Checking of the Inverter section.
 - ¿ Functional Checking of Static Switch Section.
 - ¿ With customer approval, perform operational tests of the system including

LSWRM000653 unit transfer and battery discharge.

¿ Install or perform Engineering Field Change Notices (FCN) as necessary.

| | | | | |
|---|-------------|--|------|-----|
| 16 | LSWRM000654 | Comprehensive Annual Maintenance Contract of Delta make, Rating 10kVA Online UPS | 1.00 | NOS |
| <p>Scope of Work: The following are the types of preventive and breakdown services that shall be provided by the Service Provider.</p> <p>Duration: 1 year</p> <p>No. of Visit: 12 (every month)</p> <p>No. of Breakdown: Unlimited</p> <ol style="list-style-type: none">1. Service should be carried out monthly under the supervision of the maintenance engineer along with suitable service engineers.2. This service Includes all spare parts (Except Batteries capacitors), labour travel coverage Unlimited Breakdown calls.3. This AMC Includes 100% labour charges, travel coverage, Profit taxes etc., 7 days/week, 24 hours/day,4. This includes the fault tracing rectification of the Battery Breaker tripping due to battery failure.5. During the AMC Period if UPS/Inverter finds malfunctioning then the same shall be replaced with a standby UPS/Inverter till the necessary repairing/replacement period.6. The scope shall include checking and rectifying the issue of UPS/Inverter tripping in High-temperature conditions.7. In case of any malfunction of the UPS/Inverter with the Control Card, Display, major components failure such as IGBTs, SCRs Wire wound Components within the UPS/Inverter, Module Failure, or Wire Harness damage, then the vendor has to replace all the spare parts mentioned above along with the PCB and other accessories like display buttons without any extra charges. <p>PREVENTIVE MAINTENANCE SERVICE: Service provider has to carried out the following work during the monthly visit/ preventive maintenance.</p> <ul style="list-style-type: none">¿ Cleaning up of Unit, Visual Inspection to check any deformation.¿ Checking and Adjustment (If needed) of Power parameters like input. Output, DC voltage Current.¿ Checking and Adjustment (If needed) of Control parameters on different PCBs.¿ Tightness of all connections, if shut down possible.¿ Functional Checking of the Rectifier section.¿ Functional Checking of the Inverter section.¿ Functional Checking of Static Switch Section.¿ With customer approval, perform operational tests of the system including unit transfer and battery discharge.¿ Install or perform Engineering Field Change Notices (FCN) as necessary. | | | | |
| 17 | LSWRM000655 | Add GST @ 18% | 1.00 | NOS |

NOTE :

1) DUE DATES FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 15/11/2022 till 15.00 Hours.

2) QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.

3) The validity of your quotation should be for 60 days from the date.

4) Your quotation should indicate delivery period & warranty period.

Quotation sent by hand delivery / courier are to be deposited in the Tender Box kept at the Main Gate after obtaining stamp, date and signature of the Security Officer.

Quotation should be submitted in sealed envelope duly superscribing our enquiry reference and due date.

Yours faithfully

(Mr.Abhijit De)
Admn. Officer (Purchase)

Copy to:

Yours faithfully


(Mr. Abhijit De)

Admn. Officer (Purchase)

Prof. / Dr. / Mr. / Mrs. / Ms. / Shri / Smt. CHANDAN KUMAR (ICTS-19P1112)
Your Indent Req. No. CKR0010091 Dated: 12/10/2022 refers.

Remarks: Comprehensive Annual Maintenance Contract of Portable UPS connected for IT Network racks & Inverter of ICTS Campus Housing and Transit Hostels