



Annexure-I

The scope of supply shall include the following:

- First fill of consumables, if any
- Spare parts required for successful commissioning. Bidder shall submit the list.
- Mandatory Spares as listed in Annexure-C.
- Recommended Spares for three years operation & maintenance (O&M), for the equipment which are not covered in Annexure-C.
- Special tools for operation & maintenance (O&M) as listed in Annexure-D.
- AMC support for 400kV GIS, 400kV Transformers **with** NIFPS, Battery Chargers, UPS, PLCC, FOTE Panel & related system, SAS, HPCMS, Fire Protection system, EOT crane, Capacitor Bank, DG Sets (Mechanical & Electrical both).
- AMC support for all the software
- Stationaries & Consumables for all the Workstations and printers for a period of one year.

The item-wise price of all these items shall be given by the Vendor in the relevant schedule. O&M spares shall be considered for evaluation of bid. It shall not be binding on the Owner to procure all the O&M spares.

O&M spares, Mandatory spares and special tools & tackles being purchased by the Owner shall not be used during the commissioning of the equipment. Any spares and special tools and tackles required for commissioning purpose shall be in the scope of the Vendor. The Vendor shall submit the list of commissioning spares based on his experience.

Non-Comprehensive Annual Maintenance Contract

1.0.0 Scope of Works

1.1.0 Bidder shall arrange for Non-Comprehensive AMC for the following equipments from the OEM of particular equipment supplier:

1. 400kV GIS
2. NIFPS of 400kV Transformers
3. Battery Chargers
4. UPS
5. PLCC
6. FOTE Panel & related items
7. SAS
8. HPCMS
9. Fire Protection System
10. EOT Crane
11. Capacitor Banks
12. Diesel Generator (750 kVA & 500 kVA) (Mechanical & Electrical)

1.2.0 Scope of service contract during routine as well as breakdown maintenance:

1. Problem attending work in case of problem / breakdown
2. Equipment cleaning
3. Replacement of component provided by Owner/GIPCL in case of failure
4. Equipment healthiness checks as per protocol/OEM Manual
5. All protection checks & simulations wherever applicable.
6. Compliances of statutory requirements from time to time as per applicable rules and regulations e.g. PF, EPC, Minimum Wages, wages and payment of Bonus, Workman compensation policy etc..



- 1.3.0 OEM shall depute well qualified and competent manpower to attend routine as well as breakdown maintenance.
- 1.4.0 All types of internal as well as external transportation of material & manpower are in party's scope. Lodging and boarding of manpower is in scope of AMC service provider.
- 1.5.0 The contract is initially for a period of three years. The contract price shall be fixed for the total tenure. The contract shall be reviewed after three years and may be extended as required based on mutual consent. The requirement of actual manpower may vary according to the need and may be reviewed/ reduced/enhanced as and when required.
- 1.6.0 The annual service maintenance of the sub-station equipment shall be carried out as per the respective equipment's OEM manuals/Schedule applicable from time to time. The work shall be carried out through authorized personnel.
- 1.7.0 The Bidder shall note that work shall be carried out in close co-ordination with other contractors' agencies working in the same premises and GIPCL.
- 1.8.0 AMC services shall consist of minimum 1 visit per Quarter and further visits shall be as per the recommendation of the respective equipment's OEM guidelines/ recommendation / as per prudent industrial practices. Bidder shall attend to and make visits for all breakdowns and there shall be no additional charge for visits due to breakdown.
- 1.9.0 AMC awarded to OEM by PSS-1 EPC contractor shall be in favour of GIPCL. The cost of AMC will be included in bid evaluation.
- 1.10.0 Commencement of AMC will be immediately after completion of 1 Year Defect Liability Period as per TED of PSS-1 EPC Package.
- 1.11.0 Period of AMC shall be 3 years after completion of Guarantee Period.
- 1.12.0 Payment for AMC will be directly done by Owner/GIPCL to the OEMs.

2.0.0 Safety

- 2.1.0 Specifications and standards: The maintenance shall be in conformity with relevant Indian Standard specification, National Electric codes, Indian Electricity Rules and OEM Manuals.
- 2.2.0 The OEM, his agents, representatives, workmen etc. shall strictly observe the orders pertaining to fire/LV/HV/EHV (Electrical) precautions prevailing within the restricted areas/electrical substations etc.
- 2.3.0 The OEM, his agents, representatives, workmen, etc shall strictly adhere to the fire/electric shock precautionary measures while working near Fire prone areas/EHV/HV/Electrical substation areas. During such times, the workmen should be headed by their site supervisor as a precautionary measure. The working personnel shall be very well aware of fire fighting, Cardio-Pulmonary Resuscitation, first aid etc.
- 2.4.0 While working at height, Personal Protective Equipments (PPE) like safety belts, helmet, ladder and scaffoldings etc. shall be used as per the recommended safety guidelines.

3.0.0 Materials, Spares, Consumables & Tools etc.:



- 3.1.0 For performance of contract, the bidder will arrange all the consumables, tools & machines/ testing equipment required for execution, which shall be included in quoted rates. No extra payment for the same will be made by the Owner. A minimum quantity of consumable/spares for breakdown maintenance may be kept at site to minimize time of maintenance. All consumable/spare parts shall be of same make & type as installed as far as possible or approved list of Owner.
- 3.2.0 In the contract the major repair does not include i.e. replacement of major parts such as 400kV Circuit Breaker, 400kV Disconnectors & Earth Switch, Instrument Transformers. The bidder shall intimate about major repairs in advance (to the extent possible/ feasible) so that necessary suitable action can be taken timely by the Owner for the arrangement of material/parts.
- 3.3.0 Owner shall provide the special tools & tackles mentioned in ANNEXURE- D: SPECIAL TOOLS of the tender specification "Sec-1-GTS_PSS_Rev 3_Revised" during AMC phase only. Further, if any special tools & tackles are required for AMC then the same shall be provided by the OEM without any additional cost to Owner.
- 3.4.0 Owner shall provide the spares that might be required during AMC free of cost. Any damages caused by the OEM staff, his agents, representatives, workmen, etc to the spares provided by Owner shall be fully borne by the AMC service provider.
- 3.5.0 During AMC if any relay/card gets failed or if repairing is required then the same shall be borne/arranged by Owner at their own cost. No additional cost shall be borne by the OEMs. Maintenance of records
- 3.6.0 The OEM shall maintain all records such as log books, schedule of maintenance activity, complaint register, maintenance activity record, attendance register, work permit file, tags file, event register, test records for various tests conducted, material requisition book and other statutory registers for manpower employed etc.
- 3.7.0 These records shall be handed over to Owner/GIPCL on time-to-time basis (minimum quarterly basis). The cost of stationery required for maintenance of the above record shall be borne by the OEM.
- 3.8.0 The contractor shall also submit the following records after every visit:
1. Spares (and consumables given by OEM) available with the Owner and spares and required for next visit operation/maintenance, if any.
 2. Action points pending from Owner side, if any.
 3. Materials/Spares consumed in the last visit, if any and cumulative visits.

4.0.0 Exclusions

- 5.1.0 AMC for the following items are not in the scope of the bidder:
1. 400kV Transformers except NIFPS
 2. 400kV Transmission Line System
 3. Civil Works
- 5.2.0 Waste Disposal During AMC phase.