

**ATTACHMENT – 2 (Rev 01): DECLARATION OF SYSTEM INTEGRATION AND SPARES/ SERVICES
SUPPORT**

We hereby confirm that, we are an Original Equipment Manufacturer (OEM) of BESS and shall be solely responsible for Engineering, selection of components, erection, testing & commissioning, Performance demonstration, warranty and operation & maintenance requirements as per the stipulations of the tender requirements for 40 MW/ 120 MWh Battery Energy Storage System having 10 years of plant O&M.

We further confirm support/ availability of service, spares for a minimum of 10 years from the date of operational acceptance.

OR

We hereby confirm that, we are a system integrator with proven experience details as per Attachment – 1 (meeting the specified Qualification Requirement) and shall be solely responsible for Engineering, selection of components, erection, testing & commissioning, Performance demonstration, warranty and operation & maintenance requirements as per the stipulations of the tender requirements.

Further we have hereby enclosed the authorization letter from OEM for Engineering, selection of components, erection, testing & commissioning, Performance demonstration, warranty and operation & maintenance of 40 MW/ 120 MWh Battery Energy Storage System having 10 years of plant O&M.

We further confirm support/ availability of service, spares for a minimum of 10years from the date of operational acceptance. A Certificate from OEM is hereby enclosed for support of spares in this regard.

**Strike off if not Applicable*

Enclosures:

- *Details of the OEM for BESS.*
- *BESS OEM Authorization letter(Appendix to Attachment 2)*
- *OEM Certificate for support of spares for 10 years from the date of operational acceptance.*

Seal & Signature of Bidder with Date
Business Address
Regd. Office Address

Customer: Solar Energy Corporation of India Limited (SECI), New Delhi
Project: 100 MW (AC) Solar PV Project (160MWp DC capacity)
40MW/120MWh Battery energy storage system having 10 years of plant O&M

Appendix to Attachment 2 (Rev 01): Manufacturer's Authorization (For BESS)

Date: _____
RFB No.: _____

To: _____

WHEREAS

We _____ (OEM Name and Address), who are official manufacturers of _____ (BESS Component Description), having factories at _____, do hereby authorize _____ (Bidder Name) to submit a Bid the purpose of which is to provide the following goods, manufactured by us _____ (BESS Component Description), and to subsequently negotiate and sign the Contract.

We hereby authorize M/s ----- (Bidder Name) for Design, Engineering, Manufacture, Testing, Supply, Erection & Commissioning and O&M for "40MW/120MWh Battery energy storage system having 10 years of plant O&M for 100 MW (AC) Solar PV Project (160MWp DC capacity) of M/s SECI".

We hereby confirm our full guarantee & warranty including support of spares & services for a minimum period of 10 years from operational acceptance.

Note: The above OEM authorization is to be provided for major BESS components viz., Battery & BMS, EMS and Power Conditioning System (PCS).

Seal & Signature of with Date
Business Address
Regd. Office Address

ATTACHMENT – 4 (Rev 01): CERTIFICATE OF COMPLIANCE TO PROVISIONS OF BID DOCUMENT

1. With reference to our Bid Proposal No..... dated for 40MW/120MWh Battery energy storage system having 10 years of plant O&M of 100 MW (AC) Solar PV Project (160MWp DC capacity), we hereby confirm that all the provisions of Bidding Documents read in conjunction with Amendment (s) / Clarification(s) / Addenda / Errata (if any) are acceptable to us and the same has been taken into consideration while quoting our bid price and we declare that we have not taken any deviation in this regard.
2. We further confirm that any deviation / variation / additional conditions etc or any mention, contrary to Bidding Documents read in conjunction with Amendment (s) / Clarification(s) / Addenda / Errata found anywhere in our Bid Proposal, implicit or explicit shall stand unconditionally withdrawn, without any cost implication whatsoever to Employer.

Seal & Signature of Bidder with Date
Business Address
Regd. Office Address

ATTACHMENT – 5 (Rev 01): TECHNICAL DOCUMENTS TO BE SUBMITTED ALONG WITH THE BID

- a. Bill of Quantities (To include minimum list of items as per Table-1)
- b. BESS System architecture drawing, EMS networking drawings.
- c. BESS Electrical SLD
- d. BESS Capacity calculations with formulas considering all applicable parameters. Calculations/ Data on BESS SoC, PCS/ PCU efficiency, round trip efficiency and throughput etc.,
- e. Technical write up/ data sheets/ Catalogues of cell/modules , sensors, transducers, Battery pack, PCS, EMS, HVAC, Fire Fighting ,auxiliary systems, AC/DC Electrical panel of BESS.
- f. Applicable Test certificates and reports for all major BESS components as per Cl. 1.5.6 of Section C and Cl. 2.3 of Annexure III.
- g. Rating and type/ specification of BESS step up transformer, Protection and Metering equipment.
- h. Rating and type/ specification of MV/ LV switchgear, Protection and Metering equipment
- i. Rating and type/ specification of transformer breaker, Protection and Metering equipment
- j. BOQ of Instrumentation, Control and Power Cable
- k. Weights and dimensions of the BESS Equipment
- l. Battery disposal plan
- m. Mile stone completion schedule
- n. Site Organization, Construction schedule, contractor's equipment, personnel **(During Contract Execution)**
- o. Environment & Social Management Strategies and Implementation Plans **(During Contract Execution)**
- p. Code of Conduct for Contractor's Personnel (ES) **(During Contract Execution)**

Note: Other Documents that are required to be submitted for detailed engineering shall be finalized post award of the contract in consultation with customer SECI.

Clause.I : Extension in due-date up to 12.12.2020, 09:00 Hrs. IST and permitting submission of offer through e-mail mode as well, to following mail-IDs : srinivasulu@bhel.in, sonal@bhel.in and mounishg@bhel.in .

Clause.II: The offer shall consist of following (minimum) details to be submitted in 3 separate folders:

Pre-Qualification Bid:

1. Attachment 1 (Rev 01) and associated annexures (PDF Page No 124 & 125 of 144/Corrigendum 1)
2. Attachment 2 (Rev 01) and Appendix to Attachment 2 (Rev 01) (Corrigendum 2)

Techno Commercial Bid:

1. Attachment 3 - Capabilities & Capacities
2. Attachment 4 (Rev 01)/ Corrigendum 2 - Compliance certificate
3. Attachment 5 (Rev 01)/ / Corrigendum 2 – Technical data to be submitted along with bid

Price Bid:

1. Price Schedule (Rev 01)/ Corrigendum 1

Note: The specification furnished includes overall specification for Project Solar + BESS. However, the scope of the pre bid tie up tender is applicable for BESS system only.

Further BESS Specific requirements can be found at following references

1. BESS Technical Specifications (PDF Pg 1 to 346 of 1526)
2. BOM for BESS (PDF Pg 1507 of 1526)
3. Special Commercial Conditions of Contract (PDF Pg. 1509 to 1526 of 1526)

Apart from the above, Bidder shall study and consider SECI specification requirements as applicable for BESS directly or indirectly.