Selection of Developers for Setting up of 40 MW/80MWh Standalone Battery Energy Storage Systems in Kolkata under Tariff Based Competitive Bidding

RfS No. ED(PM)/2025-26/266 dated 30.07.2025, Tender Search Code on ISN-ETS: CESC-2025- TN000001

Clarifications-1 to Bidder's Queries **Dated: 18-09-2025**

Sr. No	Document Name and Clause No.	Existing Clause	Rationale/Justification for Amendment/ Clarification sought	CESC's response
1	RFS Clause 3.6	After the expiry of the Term of the BESPA, the Project will be transferred to CESC at Re. 1 without any financial obligations to CESC in working condition with defined energy throughput at the end of the term on a "as is where is" basis, in line with the provisions of the BESPA.	We kindly request CESC to confirm how the process will be done i.e. whether the company / SPV holding this particular BESS project will be transferred to CESC or whether only the project will be handed over to CESC. Also, kindly confirm regarding the GST inputs / benefits which will be available for the project. Will the same also be passed on to CESC. Kindly confirm.	The BESS assets shall be transferred to CESC on Expiry Date of BESPA without any future financial obligation to CESC with operational battery capacity at 70% of the rated capacity as per RfS & BESPA. - **Tariff to be quoted in the financial bid shall be exlcusive of GST (for offering storage capacity).**
2	RFS Clause 3.2	.....This RfS is technology agnostic on the nature of battery storage system being opted by the BESSD, as long as it meets the definition of BESS under this RfS and the required performance criteria under the RfS and BESPA	Kindly confirm whether the bidder is permitted to change the battery storage technology during the BESPA Tenure.	BESSD may change the battery storage technology with prior approval from CESC as long as it meets the definition of BESS under this RfS and the required performance criteria, safety regulations as applicable under the RfS and BESPA.
3	RFS Clause 7.1	The Project should be designed for interconnection with the CESC Network at 33kV Bus at New Cossipore Substation ("NCSS") in accordance with the prevailing WBERC Regulations, if any, in this regard. For interconnection with the CESC Network and metering, the BESSD shall abide by all rules and regulations framed under the Electricity Act, 2003 including the applicable Grid Code, Grid Connectivity Standards, Regulations on Communication System for transmission of electricity and other Regulations/Procedures (as amended from time to time) issued by WBERC and Central Electricity Authority (CEA). Minimum voltage for interconnection at the CESC Network shall be 33 kV. BESSD shall also comply with the requirements of relevant authority regarding charging and synchronization. The detailed network diagram is enclosed herewith at Annexure – D.	We request the following clarifications regarding the bay at the substation end: 1. Scope of Bay Construction: (a) Please confirm whether bay construction/augmentation at the substation will be carried out by CESC on its own including bay or to be constructed by BESSD only. Also, kindly confirm in case if CESC will construct bay at SS end, what will be the applicable charges and BGs payable / to be submitted by Bidder for same.	No additional 33kV bay is required at CESC's New Cossipore Substation (NCSS). The 33kV cables (2 circuits, each of at least 25 MVA, total 50 MVA) will be connected to the existing 33kV GIS switchboard emanating from the 33kV intermediate bus (with incoming & outgoing 33kV circuit breakers) at the BESS end, via CT/PT cubicle at the NCSS end. Connection sequence: Battery Bank → PCS → IDTs → 33kV Intermediate Bus (with incoming & outgoing 33kV circuit breakers) → 2 circuits (each ≥25 MVA, total 50 MVA) → CT/PT cubicle → termination at existing CESC 33kV GIS switchboard. The entire connection, from the Battery Bank up to termination onto the CESC's GIS switchboard, shall be in the bidder's scope. CESC has tentatively indicated this in the SLD given in the Annexure-D of the RfS.
4			(b) Kindly share estimated costs payable to CESC, if any for bay construction and confirm if any guarantees or performance securities are also required for connectvitiy. Also, considering the new draft is under process for connectivity, so kindly confirm if the cost is to be considered in line with same. 2. Scope of Bay O&M: Please confirm whether bay O&M will be under CESC's scope at SS end or BESSD's scope and also,confirm the applicable annual charges & scope of same.	Pt. 2: The 33kV bay of CESC ends at cable spout. The circuit breaker (CB)at NCSS will be maintained by CESC. The cable termination, at the NCSS end bay (33kV CB), related issues to be addressed by the BESSD.
5	RFS Clause 7.6	The BESSD will be required to apply for connectivity at the identified substation in terms of as per applicable Regulations of WBERC, within 30 days of issuance of LoA, and shall furnish copies of the application, to CESC within 7 days of submission of such application. In case the BESSD fails to obtain connectivity at the identified substation, the same shall be immediately notified by the BESSD to CESC. All the requisite costs associated with obtaining connectivity shall be borne by the BESSD.	We request CESC to kindly confirm the applicable cost & BGs applicable to secure the connectivity at these particular substations to connect the BESS project.	No additional cost & BGs will be involved. However, BESSD has to ensure and develop appropriate and necessary connectivity related infrastructure as per the scope of work mentioned in the RfS.
6	RFS Clause 20.1	Land identification and possession shall be in line with Clause 6 of the RfS, and CESC shall facilitate usage of land to the BESSD. The tentative site plan is provided in Annexure-D of the RfS	Kindly confirm that CESC will provide the encumbrance free clear land for development of BESS.	**CESC shall provide encumbrance free land through Right-to-Use agreement as per RfS & BESPA.** **As per clause 20 of RfS, entire land has to be developed by the BESSD as usable land. BESSD has to carry out all the necessary checks / removal / demolition of overground / subsoil materials, if any, for timely commissioning of the project.**
7	RFS Clause 20.4	CESC shall make the land available to BESSD with preliminary demarcation, upon signing of Right to Use Agreement as per clause 20.3 above on as is/where is basis. The entire scope of Land development, including construction of boundary wall, approach road (capable of handling the load of the requisite fire tender and all other equipment) up to the main entrance of the project site, and power/control cable trenches (Cable trench route to be finalized in consultation with CESC) as required for successful erection and commissioning of BESS at project site shall be in the scope of BESSD. Tree and bush cutting as per relevant law, clearing and grubbing, along with demolition of any obstructions or facilities, land filling, removal of scrap materials, structures, waste and debris, as applicable and all other necessary civil works required to facilitate the commencement of construction activities at the project site shall be in BESSD's scope.	Kindly confirm if the power trafo is to be deployed at Substation end or to be developed at plant end only and also, the circuit breakerts etc to be deployed on single side only or the same are to be deployed at both sides	The BESSD's scope is upto 33kV spout of 33kV CB at NCSS. The same has been shown in the tentative SLD (Annexure D of RfS)
8	RFS Clause 3.5	The BESSD shall take separate, metered connection for the Auxiliary Power load of BESS from CESC at its own cost. Bill will be raised by CESC to the BESSD on monthly basis for payment with respect to Auxiliary Power .	Kindly confirm whether auxiliary power can be supplied at 11kV/33kV at the interconnection point along with provision that allowing BESSD for installation of a separate meter for auxiliary usage at interconnection point and the same can be billed by Discom.	**Successful bidder shall apply for auxiliary power as per regulations. CESC will provide a separate meter for auxiliary usage at the appropriate voltage. For loads up to 150 kVA, an LT connection will be provided; for loads more than 150 kVA upto 2500 kVA, an HT supply (6 kV) will be arranged, as per the RfS and extant WBERC regulations. The supply voltage level shall be determined based on the load requirement during the application process. All charges for the supply, such as Service Charges, shall be borne by the BESSD. The meter room, as specified in the RfS, shall be provided by the BESSD. CESC may waive the Security Deposit (SD) subject to necessary approval. The BESSD shall be charged on a monthly basis as per actual consumption.**

9	RFS Clause 3.5	The BESSD shall take separate, metered connection for the Auxiliary Power load of BESS from CESC at its own cost. Bill will be raised by CESC to the BESSD on monthly basis for payment with respect to Auxiliary Power .	As per this clause, BESSD is required to obtain a separate metered connection for auxiliary power. Kindly confirm the following details for cost estimation: 1. Applicable infrastructure cost for auxiliary connection payable to CESC. 2. Applicable security deposit, if any. 3. Any other recurring or one-time charges.	Successful bidder shall apply for auxiliary power as per regulations. CESC will provide a separate meter for auxiliary usage at the appropriate voltage. For loads up to 150 kVA, an LT connection will be provided; for loads more than 150 kVA upto 2500 kVA, an HT supply (6 kV) will be arranged, as per the RfS and extant WBERC regulations. The supply voltage level shall be determined based on the load requirement during the application process. All charges for the supply, such as Service Charges, shall be borne by the BESSD. The meter room, as specified in the RfS, shall be provided by the BESSD. CESC may waive the Security Deposit (SD) subject to necessary approval. The BESSD shall be charged on a monthly basis as per actual consumption.
			4. Applicable tariff category and additional charges for auxiliary supply.	**LT/HT Industries, as per CESC's Tariff order**
10	RFS Clause 43.26	"INTER-CONNECTION POINT/ DELIVERY/ METERING POINT/POINT OF COMMON COUPLING (PCC)" shall mean 33 kV switchboard of CESC's New Cossipore Substaion, where the power to/from the Project is injected/delivered from/into the CESC network (including the dedicated line(s) connecting the Project with the substation system) as specified in the RfS. A Single Line Diagram showing interconnection point is enclosed as Annexure-D of this RfS. Metering shall be done at this interconnection point where the power is injected into. For interconnection with grid and metering, the BESSD shall abide by the relevant WBERC Regulations, Grid Code and Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended and revised from time to time.	Kindly confirm that the scope of bidder is up to 33 KV side of SS end and beyond that the step up of power including power trafo as applicable to step up will be in scope of CESC including the cost and BESSD scope only includes the scope upto 33 KV side at Substation.	CESC confirms that the scope of bidder is up to 33 kV side cable termination at CESC's New Cossipore Substation end.
11	RFS clause 15	Note: The BESSD should apply for all the necessary approvals, permits and clearances not more than 90 days from the Effective Date of the BESPA, which shall be complete in all respects, incorporating the clarifications/changes as required by the concerned authorities. The above timeline shall be adhered to, in order to examine cases where the BESSD faces delay in grant of the necessary approvals and permits, for a period substantially greater than the standard period of grant of approval by the respective organizations.	We would like to highlight here that post filing of application for approvals, the delay in process may lead to delay in SCSD of project. Accordingly, we kindly request CESC to incorporate provisions in this clause for extension in case of delay in the grant of necessary approvals and permits.	Existing Clause shall prevail (Please refer BESPA clause 3 for appropriate reliefs, if any)
12	General Query	Status of Bay	Kindly confirm whether currently the bay is available at Substation for interconnection of the bess project or the same will be constructed at later stage post award of project. Also, kindly confirm the time period which CESC required in case bay will be develped at SS end by CESC post any applicable payment payment / deposit by BESSD.	The 33kV cables (2 ckts each of at least 25 MVA, total 50 MVA) shall be terminated at existing 33kV GIS bd. at CESC's New Cossipore Substation. The bay (33kV GIS panel) is ready for use.
13	General Query	Length of TL	Kindly confirm the distance / length of Transmission line to consider from BESS proposed location to interconnection point.	33 kV cable length around 500 m each.
14	General Query	Applicable cost towards state nodal agency	Kindly confirm applicable charges payable to State Nodal Agency including registration charges, annual fees, and any separate BG requirements under state Policy, in addition to PBG to be submitted to CESC.	**BESS will be embedded in the CESC's network. Not connected to STU network. No additional cost & BGs will be involved. BESSD has to ensure and develop appropriate and necessary connectivity related infrastructure as per scope of work mentioned in the RfS. However, BESSD has to follow the WBERC regulations, as applicable.**
15	General Query		Please clarify the Scope of Construction of Bay and related Evacuation Infrastructure at the point of Interconnection.	No additional 33kV bay is required at CESC's New Cossipore Substation (NCSS). The 33kV cables (2 circuits, each of at least 25 MVA, total 50 MVA) will be connected to the existing 33kV GIS switchboard emanating from the 33kV intermediate bus (with incoming & outgoing 33kV circuit breakers) at the BESS end, via CT/PT cubicle at the NCSS end. Connection sequence: Battery Bank → PCS → IDTs → 33kV Intermediate Bus (with incoming & outgoing 33kV circuit breakers) → 2 circuits (each ≥25 MVA, total 50 MVA) → CT/PT cubicle → termination at existing CESC 33kV GIS switchboard. The entire connection, from the Battery Bank up to termination onto the CESC's GIS switchboard, shall be in the bidder's scope. CESC has tentatively indicated this in the SLD given in the Annexure-D of the RfS.
16	RFS Clause 6.1	Land required for construction of BESS will be provided by CESC at the above location in as is /where is basis.	Kindly specify the land arrangement in more detail. If the land is available, please share the total land area along with the corresponding KMZ file.	Land will be made available after **Right to Use agreement** and other requirements as per BESPA and RfS. KMZ file is given as reference is already uploaded as Addendum-5 in ISN-ETS portal.
17	RFS Clause 8.1. e)	The BESSD shall guarantee a minimum system availability of 95% on monthly basis.	Kindly consider the BESS System availability of 95% on annual basis instead of monthly basis.	Existing Clause shall prevail.
18	RFS Clause 8.2. c)	Shortfall in meeting Monthly RtE	RtE 90% is not feasible to achieve. Unlike other silmilar BESS tenders request to reduce the RtE requirement to 85%.	**Bidders are kindly requested to read roundtrip efficiency (RtE) of 90% as 85% on monthly basis. ...." which shall be applicable in RFS and BESPA**
19	RFS Clause 11.3	BESS shall be capable of operating in the frequency range 47.5 to 52 Hz and be able to deliver rated output both in charging and discharging mode in the frequency range of 49.5 Hz to 50.5 Hz.	Grid forming inverters in India are provided by very few vendors and currently it is not understood properly frequency operation exp. for addressing these operations.	Existing clause shall prevail.
20	RFS Clause 8.1.e.iii	Auxiliary Power	Auxiliary power can be tapped from the same S/s with a separate metering arrangement?. Pl confirm	Successful bidder shall apply for auxiliary power as per regulations. CESC will provide a separate meter for auxiliary usage at the appropriate voltage. For loads up to 150 kVA, an LT connection will be provided; for loads more than 150 kVA upto 2500 kVA, an HT supply (6 kV) will be arranged, as per the RfS and extant WBERC regulations. The supply voltage level shall be determined based on the load requirement during the application process. All charges for the supply, such as Service Charges, shall be borne by the BESSD. The meter room, as specified in the RfS, shall be provided by the BESSD. CESC may waive the Security Deposit (SD) subject to necessary approval. The BESSD shall be charged on a monthly basis as per actual consumption.
21	8.1.e.iii	Auxiliary Power Tariff	What is the applicable tariff category for auxiliary power consumption? Will it be fixed or subject to revision?	**LT/HT Industries, as per CESC's Tariff order**
22	General Query		Pls share the co-ordinates of the Interconnection Point.	New Cossipore Substation 22.624264845494007, 88.37010890641494
			Request to provide the following documents related to land parcels -	
			a. Soil Investigation report	As mentioned in RfS (clause 8.6 of Annexure A), Soil Test is in BESSD's scope. As per clause 20 of RfS, entire land has to be developed by the BESSD as usable land. BESSD has to carry out all the necessary checks / removal / demolition of overground / subsoil materials, if any, for timely completion of the project.
			b. SLD of the SS along with marking of spare bay for BESS.	Tentative SLD is given in Annexure-D of the RfS.
			c. GA Layout of the SS along with vacant parcel	**Site area has been modified to 5000 sq.m. from 5800 sq.m. due to technical reasons. Revised GA drawing is already uploaded as addendum-4 in ISN-ETS portal.**

23	General Query		d. KMZ file of the SS along with vacant land earmarked for BESS	**KMZ file is already uploaded as addendum-5 in ISN-ETS portal.**
			e. Please clarify that the land for approach road is under the possession of CESC and there would not be any ROW issue for creation of approach road.	Approach road from NCGS main gate to BESS site is under possession of CESC. Approach road has to be developed by BESSD.
			f. Earth Resistivity Report	As mentioned in RfS (clause 8.6 of Annexure A), Soil Test is in BESSD's scope. As per clause 20 of RfS, entire land has to be developed by the BESSD as usable land. BESSD has to carry out all the necessary checks / removal / demolition of overground / subsoil materials, if any, for timely completion of the project.
			Please specify the type of road. From the main road to the plant, ROW is in whose scope.	Approach road from NCGS main gate to BESS site is under possession of CESC. Approach road has to be developed by BESSD.
24	General Query		We kindly request that the submission deadline be extended by three weeks from the date the pre-bid queries are released.	No extension shall be given.
25	General Query	General Substation/ Land related	AIS or GIS	The existing bay at CESC's end is 33kV GIS panel.
			Whether existing SAS system is available for integration of additional bay?	The existing bay at CESC's end is 33kV GIS panel. This panel is connected with the existing SCADA
			In existing RTU spare terminals are available for data transfer of this additional bay to SLDC?	Existing RTU can't be used by the Bidder. The specific requirement is given in the RfS.
			Is readily spare bay available in the Substation OR is there space available in the substation for bay construction?	The bay (33kV GIS panel) is ready for use.
			Is there any space available in existing Main Control room for electrical panel for additional bay? OR control room extension possible	Space is available for installation of CT/PT cubicle panel.
			Boundary or Area belongs to any agricultural science dept., Forest dept. and land acquired by local builder for Residential/ Commercial area?	Under the ambit of CESC. Hence, no RoW issue is envisaged.
			Busbar panel protection is there OR we have to provide	BESSD needs to provide the all kinds of protection system for BESS including the line differential protection for the connecting cable between BESS end and CESC's 33kV GIS end (as per RfS). The existing 33kV GIS Bd at CESC's end has busbar protection.
			Which type of connected line - T/l line or cable to be arranged? Pl confirm.	33 kV Cable, Length is around 500 m for each circuit.
			What shall be the distance from substation to BESS system land provided?	
26	RFS Clause 3.5	The BESSD shall take separate, metered connection for the Auxiliary Power load of BESS from CESC at its own cost. Bill will be raised by CESC to the BESSD on monthly basis for payment with respect to Auxiliary Power	Request to please provide clarity on the below –	Successful bidder shall apply for auxiliary power as per regulations. CESC will provide a separate meter for auxiliary usage at the appropriate voltage. For loads up to 150 kVA, an LT connection will be provided; for loads more than 150 kVA upto 2500 kVA, an HT supply (6 kV) will be arranged, as per the RfS and extant WBERC regulations. The supply voltage level shall be determined based on the load requirement during the application process. All charges for the supply, such as Service Charges, shall be borne by the BESSD. The meter room, as specified in the RfS, shall be provided by the BESSD. CESC may waive the Security Deposit (SD) subject to necessary approval. The BESSD shall be charged on a monthly basis as per actual consumption.
			i. Applicable infrastructure cost for	
			auxiliary connection payable	
			ii. Applicable security deposit, if any.	
			iii. Any other recurring or one-time charges.	
			iv. Applicable tariff category and additional charges for auxiliary supply.	LT/HT Industries, as per CESC's Tariff order
27	RFS Clause 7.2	The maintenance of interconnection network with CESC network shall be responsibility of the BESSD, to be undertaken entirely at its cost and expense. The entire cost of network development including cost of construction of line / Cables, maintenance cost etc. and any other charges from the Project up to and including at the Interconnection Point will be borne by the BESSD Definition 43.37- PROJECT" shall mean the Battery Energy Storage System set up by the BESSD for supply of Power an "on Demand" basis, having single point of injection at Interconnection/ Delivery/ Metering Point. The Project shall also comprise auxiliaries and associated facilities, bay(s) for transmission system in the their switchyard, dedicated line(s) up to the injection point and all the other assets, buildings/structures, equipment, plant and machinery (pertaining to the BESS), facilities and related assets required for the efficient and economic operation of the power supply facility, whether completed or at any stage of development and construction or intended to be developed and constructed for the purpose of supply of power to CESC.		No additional 33kV bay is required at CESC's New Cossipore Substation (NCSS). The 33kV cables (2 circuits, each of at least 25 MVA, total 50 MVA) will be connected to the existing 33kV GIS switchboard emanating from the 33kV intermediate bus (with incoming & outgoing 33kV circuit breakers) at the BESS end, via CT/PT cubicle at the NCSS end. Connection sequence: Battery Bank → PCS → IDTs → 33kV Intermediate Bus (with incoming & outgoing 33kV circuit breakers) → 2 circuits (each ≥25 MVA, total 50 MVA) → CT/PT cubicle → termination at existing CESC 33kV GIS switchboard. The entire connection, from the Battery Bank up to termination onto the CESC's GIS switchboard, shall be in the bidder's scope. CESC has tentatively indicated this in the SLD given in the Annexure-D of the RfS.

28	RFS Clause 8.1.e.iii	The BESSD shall guarantee AC to AC roundtrip efficiency (RtE) of 90% of on monthly basis.	Kindly provide the detailed procedure for RtE measurement: This should include the following:	As per RfS
			Will auxiliary loads be included or excluded in the calculation?	**Auxiliary will not be included in RtE calculation.** **Bidders are kindly requested to read roundtrip efficiency (RtE) of 90% as 85% on monthly basis. ...." which shall be applicable in RFS and BESPA**
			What is the sampling duration (single cycle vs averaged over month)?	**Please refer RfS**
29	RFS Clause 8.1.e.i	The procurement shall be in power (MW) terms. The BESSD shall install, operate and maintain the BESS to offer facility to the CESC to charge and discharge the BESS on an "on demand" basis. The BESSD shall guarantee a minimum system availability of 95% on monthly basis. The BESSD shall pay the liquidated damages for any shortfall in monthly availability below 95% and shall duly pay such damages to CESC. Amount of such liquidated damages shall be twice the Capacity Charges for the capacity not made available.	How will Availability of the Project be monitored and verified — will it be based on SCADA data, control signals, or third-party metering?	Please refer to clause no. 8.1.e (ii). It is clarified that the Actual Injection/Drawal shall be as per measurement as per ABT meter and Scheduled Injection/Drawal as per schedule provided by CESC.
30	RFS Clause 6.3 RFS Clause 20.4 Annexure A	BESSD shall make necessary arrangements for approach roads, balance of plant, power/control cable trench (Cable trench route to be finalized in consultation with CESC) etc. at the site without hindering the activities of the New Cossipore Substation ("NCSS"). As BESS are prone to fire hazard, the BESSD shall provide suitable means such as fire barriers between switchyard and BESS to ensure adequate safety in terms of Annexure A of this RfS. CESC shall make the land available to BESSD with preliminary demarcation, upon signing of Right to Use Agreement as per clause 20.3 above on as is/where is basis. The entire scope of Land development, including construction of boundary wall, approach road (capable of handling the load of the requisite fire tender and all other equipment) up to the main entrance of the project site, and power/control cable trenches (Cable trench route to be finalized in consultation with CESC) as required for successful erection and commissioning of BESS at project site shall be in the scope of BESSD. Tree and bush cutting as per relevant law, clearing and grubbing, along with demolition of any obstructions or facilities, land filling, removal of scrap materials, structures, waste and debris, as applicable and all other necessary civil works required to facilitate the commencement of construction activities at the project site shall be in BESSD's scope An analysis of the functional and performance requirements of this specification and / or site surveys, design and engineering may lead the bidders to conclude that additional items are required that are not	Kindly provide the infrastructure available in the substation to estimate accurate costing and identifying the scope of work. This is required to arrive at an accurate estimate of capacity charge to be quoted.	Please refer the RfS.
31	General Query		Clarification required on BOOT model and scrapping	The project is under Build, Own, Operate, Transfer (BOOT). The BESS project shall be transferred to CESC on Expiry Date of BESPA without any future financial obligation to CESC with operational battery capacity at 70% of the rated capacity as per RfS & BESPA. Safe Disposal of unit Batteries from the BESS shall be applicable on BESSD during the period of the BESPA as per RfS and relevant extant standard/guidelines/regulations.

32	General Query		Clarification required on scope of charging & discharging (Clause 3.4 & Clause 3.1 – suspected conflict)	There is no conflict in the clause 3.1 & 3.4. Bidder to recheck. Clause 3.1 "Under this RfS, the Battery Energy Storage System Developer ("BESSD") shall be required to set up a Battery Energy Storage System (BESS), with the primary objective of making the energy storage facility available to CESC for charging/discharging of the BESS, on an "on demand" basis." Clause 3.4 "Charging and discharging of the system shall be under the scope of BESSD. Scheduling of power for such charging/discharging as well as the obligation of providing charging energy and for absorption of discharged energy shall be under the scope of the CESC. CESC will provide the schedule and BESSD will execute the charging & discharging of BESS.
33	General Query		Full capacity / Part capacity bidding allowed?	Bidders must quote for full capacity. There will be one successful bidder.
34	General Query		Interconnection of 33kV cable, extra 33kV bay at CESC required or not?	No additional 33kV bay is required at CESC's New Cossipore Substation (NCSS). The 33kV cables (2 circuits, each of at least 25 MVA, total 50 MVA) will be connected to the existing 33kV GIS switchboard emanating from the 33kV intermediate bus (with incoming & outgoing 33kV circuit breakers) at the BESS end, via CT/PT cubicle at the NCSS end. Connection sequence: Battery Bank → PCS → IDTs → 33kV Intermediate Bus (with incoming & outgoing 33kV circuit breakers) → 2 circuits (each ≥25 MVA, total 50 MVA) → CT/PT cubicle → termination at existing CESC 33kV GIS switchboard. The entire connection, from the Battery Bank up to termination onto the CESC's GIS switchboard, shall be in the bidder's scope. CESC has tentatively indicated this in the SLD given in the Annexure-D of the RfS.
35	General Query		RtE 90% is on higher side. Is it possible to consider 85% RtE?	**Bidders are kindly requested to read roundtrip efficiency (RtE) of 90% as 85% on monthly basis. ...." which shall be applicable in RFS and BESPA**
36	General Query		Is penalty applicable on both System Availability & RtE?	Existing Clause shall prevail.
37	General Query		Clarification required on applications beyond energy arbitrage. 2 cycles only for EA? How many cycles considered for Ancillary Services? What is the no. of cycles per day?	**The charging and discharging schedule shall be provided by CESC at the time of operation as per RfS & BESPA. BESSD is required to ensure 2 cycles of BESS usage per day. Cycle calculation may be carried out on daily basis.**
38	General Query		Soil test report (tentative required for initial quoting)	As mentioned in RfS (clause 8.6 of Annexure A), Soil Test is in BESSD's scope. As per clause 20 of RfS, entire land has to be developed by the BESSD as usable land. BESSD has to carry out all the necessary checks / removal / demolition of overground / subsoil materials, if any, for timely completion of the project.
39	General Query		Turnover / PAT which will be considered?	Existing Clause shall prevail.
40	General Query		Scope of removal of structures, debris	Shall be in bidder's scope. The structures will be shifted and stored (near the BESS site – to be allotted by CESC) by selected Bidder. Scrapping will be done by CESC as owner of those items.
41	General Query		Type of 33kV Switchboard to be considered – Indoor/Outdoor?	Indoor, to be installed at Switch-Cum-Control Room at BESS site.
42	General Query		Scope of arranging construction water/power, borewell permission, tree-cutting clearances etc.	in BESSD's scope as per RfS.
43	General Query		Uninterrupted auxiliary supply is required run the system (cooling & Fire safety)	CESC will provide N-1 redundancy in power.
44	General Query		Assistance from CESC is required during construction of cable trench	Cable trench construction must be carried out in presence of CESC; trial pits may be necessary.
45	General Query		FRLS type cable – additional fire-retardant paint required?	Fire-retardant paint to be applied
46	General Query		Cable specifications / GTP related query	The cable is in the bidder's scope. CESC has tentatively indicated that the requirement is 25 MVA per circuit; for 2 parallel circuits, the total is 50 MVA.
47	General Query		SCADA integration process	EMS of BESS will not be connected to CESC's SCADA system. However, standalone Machine is required at CESC Control Room for scheduling & viewing the BESS performance.
48	General Query		Surety Bond as an alternative to the Bank Guarantee for the EMD payment.	We only accept BG.