

	Description	Queries/ Comments	Suggested modification, if any	Response
1	The bidders must have certifications for ISO 9001:2015 quality management system, ISO 14001:2015 Environment management system, ISO 27001:2013 Information Security Management System	These certificates are linked to quality compliances during construction of the project. Which needs to be complied by subcontractors/EPC companies after project award. Therefore, we request you to remove this criteria for eligibility. This shall be met by the subcontractors of the developer		
2	The bidders must have certifications for ISO 9001:2015 quality management system, ISO 14001:2015 Environment management system, ISO 27001:2013 Information Security Management System	As the certificates required for quality management, bidder will comply this at Post bid stage via subcontractor. Request you to accept		
3	The bidders must have certifications for ISO 9001:2015 quality management system, ISO 14001:2015 Environment management system, ISO 27001:2013 Information Security Management System	We would like to submit to your kind self that the bidder's approach is to generate project specific quality management processes governed by our company wide Quality Management Framework (QMS). A series of internal policies and directives governs our development, construction and operations activities covering aspects like Quality Planning, Quality Control and Quality Assurance. Our QMS, which is applied for all projects in execution, mandates projects to only contract suppliers, for e.g., OEMs /EPCI contractors, whose systems are ISO 9001:2015 certified ensuring adherence with the standards. Hence, we request to remove the criteria for ISO 9001:2015 equivalent certification requirement and, instead, allow Quality Management system framework provided by developers at Prequalification stage of the tender		
4	The bidders must have certifications for ISO 9001:2015 quality management system, ISO 14001:2015 Environment management system, ISO 27001:2013 Information Security Management System	<ul style="list-style-type: none"> ISO 27001:2013 can be submitted after the bid submission before reverse auction. Kindly allow the certificate for sub-vendors instead of bidder 		
5	Vol 2 - 2.5: Consider allowing relevant ISO certifications to be completed by the time BESSA is signed, instead of at the time of bidding			
6	The Net Worth of the Bidder should be equal to or greater than INR 35,00,00,000 (Rupees Thirty-Five Crores), as on the last date of previous Financial Year, i.e., FY 2022-23 or as on the day at least 7 days prior to the bid submission deadline	The financial capability of Affiliate or Parent shall be allowed.		Financial capability of parent companies shall be allowed. However, financial capabilities of affiliates shall not be considered Please refer to corrigendum #2
7	The Net Worth of the Bidder should be equal to or greater than INR 35,00,00,000 (Rupees Thirty-Five Crores), as on the last date of previous Financial Year, i.e., FY 2022-23 or as on the day at least 7 days prior	The financial capability of Affiliate or Parent shall be allowed.		
8	The Net Worth of the Bidder should be equal to or greater than INR 35,00,00,000 (Rupees Thirty-Five Crores), as on the last date of previous Financial Year, i.e., FY 2022-23 or as on the day at least 7 days prior to the bid submission deadline	Bidder being a startup, funded by parent group, requests you to consider the financials of parent company		

9	Bidder should have commissioned and/or have under-commissioning grid-connected battery energy storage system(s) of at least 1 MWh in India or globally within last 5 years from the date of Bid opening.	System Integrator who qualify the Technical eligibility condition can also be the Parent/ Affiliate/ Subsidiary for the Project.		
10	Energy Management System compatible for integration with existing BRPL's EMS and with SCADA (IEC 104) and all associated hardware and software including internet connectivity upto the monitoring and control system which will be placed in BRPL Control room/ building. The control/ monitoring system shall be cyber security	Do we need to consider Lease line or Broadband connection, kindly confirm		Providing lease line/ broadband connection is under the scope of the BESS developer
11	Energy Management System compatible for integration with existing BRPL's EMS and with SCADA (IEC 104) and all associated hardware and software including internet connectivity upto the monitoring and control system which will be placed in BRPL Control room/ building. The control/ monitoring system shall be cyber security compliant as it will be connected to BRPL SCADA system.	Do we need to consider Lease line or Broadband connection, kindly confirm		
12	Project Context Location 33/11 kV Grid Substation – Kilokari, or 66/11 kV C-Block Vasant Kunj Grid Substation	Kindly Clarify which is the final location as both locations will have different Civil and other infrastructural costs and cannot be compared to each other.		Bidders shall prepare the bids considering Kilokari grid substation as the first priority for the project location. The site layout for Kilokari has been provided along with the response to the pre-bid queries, bidders are requested to refer to the same while preparing the bid
13	-	Demarcated & sufficient vacant space free from temporary / permanent structures shall be provided by the BRPL for I&C of the system		
14		Bid manager may provide details about evacuation of 20 MW - in 11 KV side. Equipment Layout Drawing may be provided.		
15	Site visit	It was observed that there are few sheds, buildings, tanks and a mosque within the area designated for BESS installation. Kindly confirm whether these are to be removed and if yes, confirm whether the same is in Bidder's scope or BRPL scope.		
16	Site visit	It was observed that there are huge amounts of scrap materials like junk vehicles, cable drums, cables, steel scrap etc. in the area designated for BESS installation. Kindly confirm whether, these will be cleared by BRPL before handing over site to the successful bidder for BESS installation. Else, if the same is to be removed by the bidder, kindly confirm the location where the scrap are to be disposed.		
17	Technical Parameters of BESS Battery Sub System Useful capacity output at delivery point of 40 MWh	Kindly clarify if the installed capacity should also be more than 40 MWh. Considering the 12 Years of Contract Period		
18	Technical Parameters of BESS Battery Sub System Taking into consideration capacity degradation, the minimum dispatchable energy to be made available by the BESS developer.	Kindly clarify if our understanding is correct or not. At the end of 12th Year the useful capacity output at the delivery point will be roughly 28 MWh.		Yes, correct The bidder must be able to demonstrate BESS capacity at the end of each year. Please refer Volume 1 -> Technical Parameters -> 1.1

19	BESSD shall not procure any components/connected devices of OR involve any consultant from countries sharing boundaries with India viz (Pakistan, China, etc) as per the MoP/CEA Guidelines.	This restriction is only for Battery Energy Management Systems (EMS) or this also applies to other components of systems like cell, Power conversion systems, etc		It is clarified that the restrictions are only applicable to connecting/ communication devices (as per MoP/ CEA guidelines)
20	BESSD shall not procure any components/connected devices of OR involve any consultant from countries sharing boundaries with India viz (Pakistan, China, etc) as per the MoP/CEA guidelines	The bidder would like to clarify that this point is only related to Battery Management System and not the entire BESS components (like Cells , Batteries , Containers ,Inverters , HVAC etc) The bidder would request to remove this criteria as BMS comes largely with Batteries and Battery suppliers are majorly in China as this technology is not very matured and in nascent stage		
21	BESSD shall not procure any components/connected devices of OR involve any consultant from countries sharing boundaries with India viz (Pakistan, China, etc) as per the MoP/CEA Guidelines.	This Clause is applicable for Communication System components. Kindly confirm if this is applicable for batteries as all major cells & batteries components are being supplied by China across the world.		
22	BESSD shall not procure any components/connected devices of OR involve any consultant from countries sharing boundaries with India viz (Pakistan, China, etc) as per the MoP/CEA Guidelines	As of now BESS domain major raw material / PCS and other equipment will be sourced from China majorly. please check and allow for major raw material.		It is clarified that the restrictions are only applicable to connecting/ communication devices (as per MoP/ CEA guidelines)
23	BESSD shall not procure any components/connected devices of OR involve any consultant from countries sharing boundaries with India viz (Pakistan, China, etc) as per the MoP/CEA Guidelines.	Considering the existing market scenario almost most of the battery products/components are have to be procured from neighboring countries and hence we request to relax this clause for battery system.		
24	The bidder should be an organization registered/ incorporated under Companies Act. 1956 or under Companies Act. 2013, and further amendment(s).	Kindly clarify can only Indian companies participate in this tender or its open to global participation individually or as part of consortium. If Yes then kindly amend the clause to allow for global companies to be part of the consortium		Yes, only Indian companies can participate in this tender. It is clarified that global companies may form an SPV registered in India for the same
25	Consortium up-to two firms/organizations with above eligibility criteria, as members is allowed, with one of the consortium members identified as the Lead Member. Project execution will be the responsibility of lead member which will remain the point of contact for all queries and will be held liable for all the discrepancies in project execution in line with this tender.	Request you allow 3 Members to be part of the consortium as it will allow global participants with Indian partners		Please refer to corrigendum #2
26	The bidders must have certifications for ISO 9001:2015 quality management system, ISO 14001:2015 Environment management system, ISO 27001:2013 Information Security Management System	With respect to ISO 27001:2013 Information Security Management System certification is required by IT industry and not prevalent with power sector. We request you to kindly dilute the said requirement or allow time for submission of the same if the bidder is awarded the contract.		Bidder may provide the certification as per applicability and availability

27	Performance Bank Guarantee The successful Bidder shall furnish a Performance Bank Guarantee for an amount of 7.5% (Seven point five percent) of the capital expenditure of the project cost.	Considering the project is based on DBOOT basis, 7.5% of the Project cost is extremely high considering the cost of the project. As a general practice in India for a PPP project of this size typical Performance Bank Guarantee requirement is in range of Rs 5 Crores. Requesting you to kindly consider our request to reduce the PBG requirement from 7.5% to Rs 5 crores. This is not only benefits the Selected Party but also the project as the cost of PBG based on 7.5% of the project cost for 12 years will have adverse effect on the net levelized cost of Energy Storage		
28	The Performance Bank Guarantee shall be valid from the date of signing of BESSA and shall be valid for a period of 12 years from the Commercial Operation Date (COD) or 8,760 lifecycles (whichever is earlier), plus 12months towards claim period.	As SECI has set the precedence in such bids in the country, we request you to consider the PBG requirement as such. Where PBG is generally valid till 9 months after COD. Kindly consider.		Please refer to corrigendum #2
29	The Performance Bank Guarantee (PBG) having validity from the date of submission of PBG until 9 months after the COD submitted for a value equal to 7.5% of the capital expenditure quoted by the BESSD in their financial bid,.....	As per Guidelines for Procurement and Utilization of Battery Energy Storage Systems as part of Generation, Transmission and Distribution assets, along with Ancillary Services PBG amount should not be more than 5% of the project cost (Page 44, Clause H (b))	Proposed Modified Provisions: "The Performance Bank Guarantee (PBG) having validity from the date of submission of PBG until 9 months after the COD submitted for a value equal to 5% of the capital expenditure quoted by the BESSD in their financial bid,....."	
30	The Performance Bank Guarantee shall be valid from the date of signing of BESSA and shall be valid for a period of 12 years from the Commercial Operation Date (COD) or 8,760 lifecycles (whichever is earlier), plus 12 months towards claim period.	As we have seen in other tenders like SECI, PBG is asked for lesser time period, hence request you to accept PBG time period of 9 months or 10 months after COD		
31	The Performance Bank Guarantee shall be valid from the date of signing of BESSA and shall be valid for a period of 12 years from the Commercial Operation Date (COD) or 8,760 lifecycles (whichever is earlier), plus 12months towards claim period. Upon submission of the performance bank guarantee, the Earnest Money Deposit (EMD) shall be released.	The Performance Bank Guarantee shall be valid from the date of signing of BESSA and shall be valid for a period of 9 months, plus 12months towards claim period. Upon submission of the performance bank guarantee, the Earnest Money Deposit (EMD) shall be released. Validity period in line with the clause 1.1.1 OF Vol-III.		Please refer to corrigendum #2
32	Warranty: BESSD shall procure performance guarantees to ensure minimum performance levels as per the terms of the RFP for 12 years from the Commercial Operation Date (COD).	Standard Battery warranty will be for three years. Extendable to five years. On major issues - Bid manager may provide provision for reimbursment on actual cost for repair / replacment after eight years.		

33	<p>Bidders must assume concessional financing at 1% cost of capital to support the viability of the project. The amount of concessional financing provided would be equal to 70 percent of the capital expenditure proposed by the bidder.</p>	<p>As TERI, GEAPP & BRPL world have evaluated the cost of the estimated project cost before publication of this RFP, is there any upper limit or predetermined amount vis-à-vis this 70% that will be available as concessional capital.</p> <p>This will help bidders as every bidder will be working based on different technology or thought process due to which the project cost will also variate for all the bidders. A standardised amount will help bidders in making appropriate decision and submission.</p>		<p>No upper limit is defined for the concessional capital. Bids will be evaluated, amongst other things, based on proposed tariff. The draft financing term sheet outlines further details of the concessional financing and has been shared</p>
34	<p>This RFP does not and will not create or give rise to any legally binding obligations upon GEAPP or any other party to perform any activities or provide any funding. This RFP document does not constitute an offer or a commitment by GEAPP or any other party to provide financing or funds, nor does it create any rights in any third party. No provision of this RFP and no action by GEAPP or BRPL will establish or be deemed to establish a partnership, joint venture, principal-agent relationship, or employer-employee relationship in any way or for any purpose whatsoever between GEAPP, BRPL or any other party.</p>	<p>If GEAPP has no commitment of providing concessional capital of 70 percent of the capital expenditure proposed by the bidder, then how do we assume concessional financing at 1% cost of capital?</p> <p>The entire financial model will change in case GEAPP refuses to finance the project through the concessional capital @ 1% cost of Capital. Kindly Clarify</p>		<p>Bidders are requested to assume that concessional capital will be available. GEAPP has been engaged in this project from inception and continues to signal support. If GEAPP is ultimately not able to approve this concessional financing on terms as outlined in the RFP or terms more economic to Bidders, then the RFP will be cancelled with no recourse to the Bidder.</p>
35	<p>Bidders must assume concessional financing at 1% cost of capital to support the viability of the project. The amount of concessional financing provided would be equal to 70 percent of the capital expenditure proposed by the bidder.</p> <p>This RFP does not and will not create or give rise to any legally binding obligations upon GEAPP or any other party to perform any activities or provide any funding. This RFP document does not constitute an offer or a commitment by GEAPP or any other party to provide financing or funds, nor does it create any rights in any third party. No provision of this RFP and no action by GEAPP or BRPL will establish or be deemed to establish a partnership, joint venture, principal-agent relationship, or employer-employee relationship in any way or for any purpose whatsoever between GEAPP, BRPL or any other party.</p>	<p>Please clarify if concessional financing at 1% cost of capital will be provided to the L1 bidder after award of contract? It is also mentioned that bidders have to necessarily bid considering concessional financing. If there is no legal binding obligation on GEAPP or any other party then it is not possible for bidders to take into account any concessional financing.</p> <p>Also, please confirm if the 1% concessional financing is per year or otherwise?</p>		<p>Bidders are requested to assume that concessional capital will be available. GEAPP has been engaged in this project from inception and continues to signal support. If GEAPP is ultimately not able to approve this concessional financing on terms as outlined in the RFP or terms more economic to Bidders, then the RFP will be cancelled with no recourse to the Bidder.</p>
36	<p>The BESSD/ bidder shall commit 30 percent of the total capital investment of the project as equity investment. The BESS developer may tie-up with suitable commercial investors in order to bring in the investment. For the purpose of this bid, the bidder must assume concessional financing at 1% cost of capital for the remaining 70 percent of capital investment.</p>	<p>The bidder can't quote considering 1% concessional financing (as this is not the nominal market rate) unless a firm commitment is provided by GEAPP or TERI.</p>		

37	The BESSD/ bidder shall commit 30 percent of the total capital investment of the project as equity investment. The BESS developer may tie-up with suitable commercial investors in order to bring in the investment. For the purpose of this bid, the bidder must assume concessional financing at 1% cost of capital for the remaining 70 percent of capital investment	Request to confirm following points wrt 70% concessional financing: 1. GEAPP shall be financing 70% of capital investment without any minimum limit 2. The cost of capital shall be constant at 1% throughout the tenure of agreement. 3. When shall the capital wrt to 70% of capital investment be available to selected bidder and what shall be modality of disbursement of funds? 4. In case of cost overrun above the estimated capex determined after RA, would the cost overrun be funded in the same proportion of 30% equity and 70% concessional financing? 4. Will the bidder be required to create any debt service reserve amount for servicing the concessional financing?		No upper limit is defined for the concessional capital. Bids will be evaluated, amongst other things, based on proposed tariff. The draft financing term sheet will outline further details of the concessional financing and will be shared shortly.
38	Equity investment The BESSD/ bidder shall commit 30 percent of the total capital investment of the project as equity investment. The BESS developer may tie-up with suitable commercial investors to bring in the investment. For this bid, the bidder must assume concessional financing at 1% cost of capital for the remaining 70 percent of capital investment.	Kindly provide more details around the given clause wherein the 70% capital investment at 1% cost of capital has to be considered. Here BSES would be the investor or would you facilitate the investment/loan at the concessional interest rates? Pls confirm & provide details around this for better clarity.		BRPL shall only be the procurer of BESS services from the selected developer. However, BRPL shall facilitate the concessional lending
39	Any capital expenditure (capex) after COD of the project (e.g., capacity augmentation in later years) shall be mentioned as separate line items.	Request to confirm whether the capex after COD be funded in the same proportion of equity (30%) and concessional funding (70%)		Maintenance capex will form part of fixed O&M costs and not part of the upfront finance that is eligible for concessional funding.
40	Submission Date - 22.09.2023	We request you to kindly extend the submission date by minimum 15 working days from the date of issue of corrigendum as bidders will require time to prepare its submission after understanding the implications after the corrigendum		Please refer to corrigendum #2
41	-	Bid submission timeline to be extended by 4-5 weeks from the date of receiving of responses to the pre-bid queries		
42	Bid Submission Date	We would like to submit that we need to work with BESS OEMs for this tender & many of these are based outside India. In this regard, we would request the authority to kindly provide reasonable time to the developers to work out their most competitive bids for this tender. We would request authority to kindly allow minimum 4 weeks' time from the date of issuance of Pre-Bid Minutes for the submission.		
43	Last date for submission of technical bid and financial bid D4322.09.2023, 5 p.m.	Considering the Techno-commercial design requirements of the desired BESS and to make necessary financial modeling enabling Bidder to submit a competitive quote, we request, the last date for bid submission may please be extended by 4 weeks, i.e. to 20.10.2022. Please accept.		
44	Requesting extension of 4 weeks from the current date of bid submission. This will help us properly model the system in a better way			
45	22nd Sep 2023	We request to consider October 12, 2023 for the bid submissions, which is at least 4 weeks from the date of pre-bid clarifications.		

46	The Scheduled Commissioning Date (SCD) for commissioning of the full capacity of the Project shall be the date as on Twenty-four (24) weeks from the date of signing of BESSA	<p>The present 24 weeks (6 months) period for construction and development of project is very short considering the lead time for procurement of battery, factory acceptance tests and site acceptance tests and proper integration with PCS & EMS before commissioning.</p> <p>The BESS guidelines issued by Ministry on Power allows for 18 months of construction and development time for BESS projects with capacities less than 250 MW. Hence it is requested to atleast provide 15 months of construction period.</p>		
47	Delivery of materials, installation, testing, and commissioning of the project should be completed within twenty-four (24) weeks from the Effective Date of BESSA. This shall be the Scheduled Commissioning Date (SCD).	SCD timelines of 24 weeks is very stringent and may drive away the participation. Hence, it is requested to provide atleast 12 months for SCD.	May be modify as "Delivery of materials, installation, testing, and commissioning of the project should be completed within Twelve (12) months from the Effective Date of BESSA. This shall be the Scheduled Commissioning Date (SCD)."	Please refer to corrigendum #2
48	Delivery of materials, installation, testing, and commissioning of the project should be completed within twenty-four (24) weeks from the Effective Date of BESSA. This shall be the Scheduled Commissioning Date (SCD)	we request to tender authority to extend the time line as for this capacity all of the material procurement from lead manufacturer is taking approx. 8- 10 month. after order confirmation		
49	The Scheduled Commissioning Date (SCD) for commissioning of the full capacity of the Project shall be the date as on Twenty-four (24) weeks from the date of signing of BESSA	<p>Schedule Commissioning Period may please be extended from 24 weeks to 18 months.</p> <p>As per Guidelines for Procurement and Utilization of Battery Energy Storage Systems as part of Generation, Transmission and Distribution assets, along with Ancillary Services issued by MOP , for Project capacity upto (and including) 250 MW, the Scheduled Commissioning Date (SCD), i.e., the maximum timeline for commissioning of Projects without any liquidated damages, shall be the date as on 18 months after the Effective Date of the BESPA</p>		
50	Delivery of materials, installation, testing, and commissioning of the project should be completed within twenty-four (24) weeks from the Effective Date of BESSA. This shall be the Scheduled Commissioning Date (SCD).	Since Demand of Lithium batteries is more in market. Bid manager may allow for minimum of 52 Weeks for the Delivery of materials, installation, testing, and commissioning of the project from the Effective Date of BESSA.		
51	Delivery of materials, installation, testing, and commissioning of the project should be completed within twenty-four (24) weeks from the Effective Date of BESSA. This shall be the Scheduled Commissioning Date (SCD).	As mentioned, there is a supply chain demand on the Bi-directional Inverters in the global market. Present timeline that we foresee for a BESS Project is 10-12 months from NTP to the Commissioning. We request to consider 12 months as the timeline for commissioning and completion.		

52	<p>Delivery of materials, installation, testing, and commissioning of the project should be completed within twenty-four (24) weeks from the Effective Date of BESSA. This shall be the Scheduled Commissioning Date (SCD). Transit insurance and storage insurance till the handing over of all materials will be within the scope of work. The systems will be deemed commissioned only after successful trial run of the system for seven (7) days from the date of commissioning and submission of relevant test reports. The Commissioning Committee shall then issue the commissioning certificate, and this date will be regarded as the Commercial Operation Date (COD).</p>	<p>Bidder request to amend the project completion within twenty-four (24) weeks to Fifty-Two (52) weeks.</p> <p>As the battery deliveries itself takes 5-6 months from OEM's, completing the project in 6 months is very stringent.</p>		Please refer to corrigendum #2
53	<p>The Bidder should have commissioned and/or have under-commissioning grid-connected battery energy storage system(s) of at least 1 MWh in India or globally within last 5 years from the date of Bid opening.</p>	<p>In case bidding through consortium, request to confirm if any one of the two consortium members meet the technical eligibility criteria, the consortium shall be eligible for bid.</p>		
54	-	<p>1 MWh technical eligibility criterion to be relaxed so that BESSD can bid with the best options available.</p>		
55	<p>The Bidder should have commissioned and/or have under-commissioning grid-connected battery energy storage system(s) of at least 1 MWh in India or globally within last 5 years from the date of Bid opening. Certificate issued by the Employer/ Client within last 5 years from the date of Bid opening certifying the operation without any adverse remark along-with copy of purchase order prior to the date of technical bid opening, shall be provided.</p>	<p>As BESS is a new technology and in nascent stages of development, it is requested to remove the experience requirement. Further, In line with other past SECI, GUVNL BESS tender, this clause may be deleted to increase participation.</p>	<p>This Clause may be deleted. Also Format 9 of the RfP Vol-2 Page 43 also may be deleted in support of this.</p>	
56	<p>The Bidder should have commissioned and/or have undercommissioning grid connected battery energy storage system(s) of at least 1 MWh in India or globally within last 5 years from the date of Bid opening.</p>	<p>We would like to bring to your kind attention to the fact that Not Many of the BESS projects have been implemented in India & hence the mandatory criteria for the bidders about having commissioned at least 1MW of the BESS would be difficult. This would only discourage participations from large developers. Hence we would request if this clause can be replaced with execution experience of Solar/Wind projects</p> <p>We also like to understand, if we can use the credentials of our subsidiaries which is currently executing a BESS project for SECI which is an EPC project. Should we be allowed to submit our bid with those credentials wherein the EPC scope is under the scope of our subsidiary while the operations remains under the owner/ SECI.</p>		<p>Any one of the consortium members may meet the technical eligibility criteria Weightage would be provided to bidders under the technical eligibility matrix based on the capacity that has been commissioned/ under commissioning and the bids will be evaluated by the technical committee</p>

57	<p>Technical Eligibility Criteria</p> <p>The Bidder should have commissioned and/or have under-commissioning grid-connected battery energy storage system(s) of at least 1 MWh in India or globally within last 5 years from the date of Bid opening. Certificate issued by the Employer/ Client within last 5 years from the date of Bid opening certifying the operation without any adverse remark along-with copy of purchase order prior to the date of technical bid opening, shall be provided.</p>	<p>In event of submission of Bid as a consortium, the technical qualification requirement is to be met: independently by one partner or independently by both partners or jointly by both partners. Please clarify.</p>	
58	<p>Auxiliary loads of BESS shall be supplied power through a separate connection with metering. Auxiliary consumption has to be mentioned under technical bid for the proposed battery technology and same needs to be considered for calculation of round-trip efficiency.</p>	<p>Request to confirm if bidder has to take into consideration the auxiliary compsumption charges in evaluation of single capacity based tariff or same shall be borne by the buying entity.</p> <p>Reuqest to provide the average power purchase cost for FY 22 -23</p>	
59	>85%	<p>Bidder proposed to calculate Round trip efficiency excluding auxillary consumption as it would be difficult to meet round trip efficiency of > 85% with Auxillary consumption.</p> <p>Bidder also proposes to encourage incentive in case round trip efficiency is higher than 85% value in any year</p> <p>Bidder also proposes to allow 0.2% drop in RTE from second year onwards as that is a common phenomenon in BESS system</p>	
60	Round trip efficiency (RTE) (AC-to-AC, including auxiliary consumption) (>85%)	Request to consider the RTE without Aux.	
61	Min. Dispatchable Capacity at the end of Year (as a % of 40 MWh)	Confirm if the capacity retention/degradation is considering the Aux. consumption or excluding Aux. consumption	
62	Round trip efficiency (RTE)	Kindly consider the RTE without Aux.	
63	Dispatchable Capacity at the end of Year (as a % of 40 MWh)	Kindly confirm, of the capacity retention is considering the Aux. consumption or excluding Aux.consumption	
64	Round trip efficiency (RTE) (AC-to-AC, including auxiliary consumption) % >85%	<p>Please confirm if the given requirement of min 85% RTE includes the Auxiliary consumption of the proposed BESS or not?</p> <p>Also, we would like to understand if the Auxiliary consumption needs to be supported by the proposed BES System through building additional capacity to it, or do we need to have an additional grid connection to feed the load.</p> <p>We would suggest allowing separate grid connection for the same to ensure competitive tariff.</p>	<p>The auxilliary consumption charges shall be borne by the buying utility. However, the auxilillary consumption charges borne by BRPL shall be capped at 2.5%. RTE requirement of 85% would not include auxilliary consumption. Degradation rate of RTE - 0.25% per year (3% over 12 years). Bidders are expected to optimise system design accordingly.</p> <p>Please refer to corrigendum #2 for details.</p> <p>The average power purchase cost for BRPL in FY 22-23 was Rs. 6.56 per kWh</p>
65	Round trip efficiency (RTE) (AC-to-AC, including auxiliary consumption - 85%	<p>Round trip efficiency (RTE) (AC-to-AC, including auxiliary consumption - 82% - Bidder may allow.</p> <p>over period of year RTE may slightly reduce , Bid manager may allow for RTE redcution at 0.65 percent /year.</p>	
66	Auxiliary loads of BESS shall be supplied power through a separate connection with metering.	<p>Bid manager may provide any extra cost to be borne for aux loads. If so details may be provided.</p> <p>Voltage at Aux load connection is 415V?</p>	

67	Round Trip Efficiency	Round trip efficiency (RTE) (AC-to-AC, including auxiliary consumption - 82% - Bidder may allow. Or Round trip efficiency (RTE) (AC-to-AC, excluding auxiliary consumption - 85% - Bidder may allow.		
68	Round trip efficiency (RTE) (AC-to-AC, including auxiliary consumption): >85%	Kindly consider the RTE as >85% during BOL (Beginning of Life) excluding the Auxiliary consumption. On a practical case, the RTE with Aux power consumption shall be around 82% approx.		
69	It is very difficult to manage a AC RTE of 85% with Aux. If the time between two half cycles is large, i. e. >1 day; the aux consumption for the system will be much higher as compared to the 4 hours discharge cycle. Therefore, we will request to eliminate the aux consumptions from the RTE calculations. Please let me know if you need us to share the detailed calculations The RTE of system should be 80% without auxiliaries. Please let me know if you need us to share the detailed calculations			The auxilliary consumption charges shall be borne by the buying utility. However, the auxilillary consumption charges borne by BRPL shall be capped at 2.5%. RTE requirement of 85% would not include auxilliary consumption. Degradation rate of RTE - 0.25% per year (3% over 12 years). Bidders are expected to optimise system design accordingly. Please refer to corrigendum #2 for details. The average power purchase cost for BRPL in FY 22-23 was Rs. 6.56 per kWh
70	Round trip efficiency (RTE) (AC-to-AC, including auxiliary consumption) - 85%	Bidder request to amend the clause to Round trip efficiency (AC-to-AC, excluding auxiliary consumption) - 85%.		
71	Auxiliary loads of BESS shall be supplied power through a separate connection with metering. Auxiliary consumption has to be mentioned under technical bid for the proposed battery technology and same needs to be considered for calculation of round-trip efficiency.	A. Bidder requests to remove the auxiliary consumption from the calculation of round-trip efficiency. B. Bidder requests to remove the seperate connection with metering for auxiliary loads with intention to provide the auxiliary loads taken through 11kV panels of the BESS plant. C. In case separate metered connection is required for auxiliaries, request to confirm the availability of distribution feeder at 11kV / 415V at existing substation for BESS auxiliaries.		
72	-	Request to provide the SLD, General Arrangement (GA) layout and soil invsetigation report of the project location (Kilokari and Vasant Kunj)		SLD and General Arrangement (GA) layout is being provided by BRPL. Soil investigation report shall be under the scope of the bidder
73	Soil Investigation Report	We would request authority to kindly provide the soil investigation reports for the proposed BESS sites for better clarity of the bidders		
74	The Bidder will have to submit a single bid quoting the capital expenditure for BESS and a single tariff (capacity charges) in Indian Rupee per MW per year. The financial bid shall be inclusive of all duties and taxes.	Request to confirm that tariff is to be quoted with GST and kindly confirm the applicable GST rate.		GOI has clarified that energy strorge systems are a part of distribution network under MOP notification 23/25/2021-R&R dated 29 January 2022 (clause no. 3.iii) Energy storage is classified as a good under HSN code 2716, the rate of GST for which is NIL. Therefore it is clarified that the GST applicable on the purchase of BESS services is NIL

75	The discount received after the RA and final negotiation, w.r.t the initial financial bid shall be applied on all line items on a pro-rata basis.	For illustration if the discount received after the RA is 10%, does that mean that all the 5 line items in financial bid namely Capital Expenditure, Equity investment, concessional capital, and expected O&M shall be reduced by 10%. Kindly confirm if the above understanding is correct.		It is not necessary that the 5 line items in the bid items have to reduce in the same proportion. The bidder is free to undertake his calculations to arrive at the target tariff during RA. However, the bidder is not allowed to increase any of the 5 line items (Capital Expenditure, Equity Investment, concessional capital and expected O&M) from their submitted financial bid
76	There can be no part Commissioning of the Project. The entire capacity shall be commissioned by the Scheduled Commissioning Date (SCD).	Request to consider the partial commissioned capacity for calculation of liquidated damages and the liquidated damages corresponding to unfulfilled capacity only be applicable.		Clause to be retained. Part commissioning is not allowed as per Volume 3 -> Special Conditions of Contract – Part A -> Clause 4.6
77	Delay beyond Six (6) Months from SCD: The Buying Utility may choose to terminate BESSA.	1. Request to refer Guidelines for Procurement and Utilization of Battery Energy Storage Systems as part of Generation, Transmission and Distribution assets, along with Ancillary Services (Page 48, Clause b (ii)) 2. As penalty is levied for uncommissioned capacity on per day basis beyond SCD.	Proposed Modified Provisions: "Delay beyond Six (6) Months from SCD: The Buying Utility may choose to reduce the contracted capacity up to commissioned capacity by SCD "	
78	Delay beyond Six (6) Months from SCD : The Buying Utility may choose to terminate BESSA.	As PBG will be encashed on delay in commissioning, termination of the BESSA on account of delay in Commissioning may be deleted. As the BESS project of this capacity in not installed yet in India, there might be some challenges and with such clauses , it may only discourage participation.		
79	Provide land at the Project Location for setting up of the BESS	Request to confirm whether land will be available to BESSD through lease or any other arrangement		BRPL will provide land as per Volume 3 -> Special Conditions of Contract – Part A -> Clause 3.3.a. Developer does not need to pay any charges for the land
80	Location 33/11 kV Grid Substation – Kilokari, or 66/11 kV C-Block Vasant Kunj Grid Substation	We understand that the land shall be provided by the authority at the two mentioned substations. We would like to understand if the said land spaces shall be given on Lease/rental or any other model & do we as developers have to pay any charges for the land across the project life. Pls specify		
81	Provide land at the Project Location for setting up of the BESS.	Provide land at the Project Location for setting up of the BESS at the rate of Re 1/ annum for the tenure of BESSA. The land provided for BESS installation should be leased to the developer for the BESSA tenure at a normative rate of Re 1/ annum. The same is required and crucial for BESS asset financing and mortgage.		
82	Payment Security Fund (PSF), which shall be suitable to support payment for at least 3 (three) months' billing of the BESS	Kindly provide the condition when PSF shall be available for BESSD as all the events of failure of Buying Entity's failure to pay monthly bill mentioned in 2.5.4 and 2.5.9 indicate only drawl through Letter of Credit and do not mention PSF.		If any amount is drawn from the Letter of Credit, the PSF shall be used to renew the Letter of Credit to the full amount
83	2 daily cycles, for at least 12 years from date of commissioning	Bidder proposes to mention minimum 1 hour resting period between two consecutive cycles (complete charge and discharge cycles)		Please refer to Volume 3 -> Special Conditions of Contract – Part B -> Performance Criteria and Monitoring -> Clause 3.5.iii
84	Rest period or cooling period between the 2 cycles	We suggest to keep 2 hours as rest period or cooling period between the 2 cycles for a better performance/ efficiency of BESS.		
85		Batteries come to the site with state of charge of 30-40% and hence for first time commissioning energy would be required to charge the batteries from existing state of charge to 100 % state of charge. This startup power or energy should be provided by BRPL with no cost to the bidder		Startup power shall be provided by BRPL

86 -	Is there any guideline from BRPL for power evacuation at a particular voltage i.e 33 KV or 11 KV or bidders are free to decide the evacuation voltage between 11 KV and 33 KV Will there be any spare breaker panel provided by BRPL for termination of feeder Cable into BRPL electrical system at 33KV or 11 KV or that will be in scope of the bidder		Power evacuation until the PCC shall be under the scope of the bidder Spare breaker panel shall be under the scope of the bidder
87 -	Since BESS is a new technology, not many player would qualify the technical criteria. The system integrators have the experience of commissioning BESS projects. Hence most developers will try to partner in a consortium with one of the system integrators which will again restrict BESSD for getting competitive offers from other system integrators. BESSD shall be allowed to compare many technology partners so that the best techno-economical solution can be provided otherwise if consortium is made with only one supplier, it can become monopoly of one supplier		Bidders should finalise the technology partner prior to bid submission
88 -	Request to share the load profile for the BESS system		Not applicable
89 -	Request to allow FAT at site due to limitations of availability of load banks for small capacities (e.g. 20MW) testing at factory		FAT applicable with the desired load can be allowed on Site. Also, FAT will be component wise
90	During the FAT, system shall be operated as specified and designed in all the operating states, use cases and duty cycles. It shall meet power / energy requirements and shall be demonstrated to meet the safety requirements.	Completely assembled system level FAT is not possible due to facility limitation of this kind of project capacity. Individual equipment FAT is recommended, kindly accept	
91	Factory acceptance testing at full rated power and for all use cases is difficult to achieve due to power limitations at system integrator / battery manufacturer / PCS manufacturers premises. Request that FAT be restricted to partial power testing.		
92	BESS shall be verified for operation at temperature extremes defined in specification. For this, if it is not possible for the full system, then independent laboratory certification of operation of critical components and subsystems shall be submitted at the time of FAT.	Request to relax the clause for BESS testing during FAT at extreme ambient conditions due to the following A. Ambient conditions interpretation at lab level to meet the extreme conditions are not available in existing lab setups for BESS system. B. As existing IEC certification does not define any test conditions for extreme site specific ambient conditions, laboratory certification inline to IEC certification requirements does not provide such reports.	
93 -	The RFP does not mention any elimination of technically qualified bidders. However in the pre-bid meeting it was mentioned that only 3 bidders with lowest tariff shall be allowed in RA. Request to pls allow either all bidders or follow (n+1)/2 criteria as done in transmission bids		Please refer to corrigendum #2
94 -	If GEAPP concessional financing is not available to bidder then request to provide appropriate mechanism for tariff correction or option for bidder for surrendering the bid without any financial penalty shall		GEAPP has been engaged in this project from inception and continues to signal support. If GEAPP is ultimately not able to approve this concessional financing on terms as outlined in the RFP or terms more economic to Bidders, then the RFP will be cancelled with no recourse to the Bidder.
95 -	RFP has only mentioned the criteria which shall be used to evaluate technical bid, but would it be scored, and which factor have high weightage is not specified. For objective evaluation instead of subjective, request to clearly provide quantitative matrix for technical evaluation.		A revised technical evaluation matrix will be shared shortly

96	Ranking of bidders after Financial Bid Evaluation: Following illustrates an example.....	What shall be the weightage of Expected tariff and Capital expenditure in determining ranking of bidders after Financial Bid Evaluation? Methodology for determining bidder's ranking may be provided in detail.		Please refer to Volume 2 -> Evaluation criteria -> Financial bid evaluation "d) In this step, evaluation will be carried out based on the tariffs quoted by the Bidders. The bidder quoting the lowest tariff for providing BESS services to Buying Utility would be declared as L1 after scrutiny. e) In case of tie between bidders, preference would be given to the bidder quoting lower concessional capital (in INR terms). Please refer to the clauses for "Reverse auction and selection of Successful Bidders" regarding methodology for determining bidder's ranking during e-reverse auction process
97	Technical Bid Format	Why too many technical parameters are required in the stage of bid submission. Submission of this format along with bid submission may not be required In line with other TBCB tenders.	May be deleted.	Details of technical parameters are required to evaluate suitability of bidders
98	PRELIMINARY ESTIMATE OF COST AND RETURNS FOR THE PROJECT Payment of BESS tariff to BESSD: The Appropriate Commissions shall approve a levelized tariff in ₹ lakh/ MW/ year for the project over the lifespan of 12 years. Buying Utility will pay this amount to the BESSD. Assumption to be provided by bidders.....	It may be clarified that quoted tariff by successful bidders will be approached for adoption of tariff by appropriate commission or for determination of tariff by appropriate commission? Why word "expected levelized tariff & Expected levelized O&M charges" is being used in financial bid Format-3?		It is clarified that "Quoted tariff" and "Expected levelized tariff" are to be read as the same. "Expected levelized O&M charges" by the bidder are to be quoted as part of the financial bid
99	Bank Guarantee towards Earnest Money Deposit (EMD) as mentioned in the Bid Information Sheet (as per Format 6). One EMD of INR 1,50,00,000 (Rupees One Crore Fifty Lakhs) may be submitted for the capacity of 20 MW/ 40 MWh.	Request to provide the validity duration of EMD BG.		EMD BG for the winning bidder shall be valid until the signing of BESSA or submission of PBG, whichever is later. EMD BG for other bidders shall be returned at the time of issuance of LoA to the winning bidder
100	All documents of the response to RFP submitted online must be digitally signed and submitted over email to manoj.tiwari@teri.res.in.	Is the bid submission to be done through email? If not, may please provide details of the portal for online bid submission?		bid submission through email only
101	Agreement shall be signed between the Selected Bidder/ BESSD and Buying Utility (BRPL) for 12 years from COD.	Timeline for signing BESSA (Effective date of BESSA) w.r.t bid submission is not given in RfP. May be provided in line with other TBCB tenders?		Timeline for signing BESSA (Effective date of BESSA) is subject to approval of tariff from the Hon'ble DERC. The tariff petition to the DERC shall be submitted after issuance of LoA
102		Timeline for issuing LOA w.r.t bid submission is not given anywhere in RfP. May be provided in line with other TBCB tenders?		Timeline for issuance of LoA may be considered as per the schedule of bidding (revised schedule issued with corrigendum #2)
103	Change in Law		May be modified as: "Change in Law provisions shall be governed as per MOP notification dated 22.10.2021 "Electricity (Timely Recovery of Costs due to Change in Law) Rules, 2021" and as amended from time to time."	Clause to be retained

104	Any invoice raised by the BESSD under the Monthly Bill remains outstanding beyond a period of one hundred and eighty (180) days after the Due Date and BESSD is unable to recover the amount outstanding from the Buying Utility through the Letter of Credit; or	Proposed modification is inline with SECI PPA. SECI Event of Default: "SECI fails to pay (with respect to a Monthly Bill or a Supplementary Bill), subject to Article 10.5, for a period of ninety (90) days after the Due Date and the SPD is unable to recover the amount outstanding to the SPD through the Letter of Credit,"	Proposed Modified Provisions: "Any invoice raised by the BESSD under the Monthly Bill remains outstanding beyond a period of Ninety (90) days after the Due Date and BESSD is unable to recover the amount outstanding from the Buying Utility through the Letter of Credit; or"	Clause to be retained
105	In the event the aforesaid novation is not acceptable to the BESSD, or if no offer of novation is made by Buying Utility within the stipulated period, then the BESSD may terminate the BESSA and at its discretion require Buying Utility to either (i) takeover the Project assets by making a payment of the termination compensation equivalent to the amount of the Debt Due and Adjusted Equity less Insurance Cover or ii) take an exit from the BESSA after release of PBG, subject to the payment of all dues from the Buying Utility to the BESSD till the date of exit	Request to refer Guidelines for Procurement and Utilization of Battery Energy Storage Systems as part of Generation, Transmission and Distribution assets, along with Ancillary Services (Page 55, Clause 2 (c))	Proposed Modified Provisions: "In the event the aforesaid novation is not acceptable to the BESSD, or if no offer of novation is made by Buying Utility within the stipulated period, then the BESSD may terminate the BESSA and at its discretion require Buying Utility to either (i) takeover the Project assets by making a payment of the termination compensation equivalent to the amount of the Debt Due and 110% Adjusted Equity less Insurance Cover or ii) take an exit from the BESSA after release of PBG, subject to the payment of all dues from the Buying Utility to the BESSD till the date of exit"	Clause to be retained
106	The BESSD shall give the concerned Buying Utility at least sixty (60) days' advanced preliminary written notice and at least thirty (30) days' advanced final written notice of the date on which it intends to synchronize the BESS to the Grid System.		Proposed Modified Provisions: "The BESSD shall give the concerned Buying Utility at least thirty (30) days' advanced preliminary written notice and at least fifteen (15) days' advanced final written notice of the date on which it intends to synchronize the BESS to the Grid System."	Clause to be retained
107	From the commencement of availability of BESS Capacity by the BESSD, Buying Utility shall pay to the BESSD the monthly Tariff Payments, on or before the Due Date i.e., within 60 days from date of submission of invoice, in accordance with Tariff as specified above. All Tariff Payments by Buying Utility shall be in Indian Rupees.	Electricity (Late Payment Surcharge and Related Matters) Rules, 2022. Refer Definition of " Due Date". It allows to keep Due date as 45 days from presentation of bill.	Proposed Modified Provisions: From the commencement of availability of BESS Capacity by the BESSD, Buying Utility shall pay to the BESSD the monthly Tariff Payments, on or before the Due Date i.e., within 45 days from date of submission of invoice, in accordance with Tariff as specified above. All Tariff Payments by Buying Utility shall be in Indian Rupees.	Please refer to corrigendum #2
108	Late Payment Surcharge	Request to make whole provision inline with Electricity (Late Payment Surcharge and Related Matters) Rules, 3 June 2022		Please refer to corrigendum #2

109	If the Buying Utility disputes the amount payable under a Monthly Bill, it shall pay undisputed amount of the invoice amount and it shall within fifteen (15) days of receiving such Bill, issue a notice (the "Bill Dispute Notice") to the invoicing Party setting out:		Proposed Modified Provisions: "1. If the Buying Utility disputes the amount payable under a Monthly Bill, it shall pay 100% of undisputed and 85% of disputed amount of the invoice and it shall within fifteen (15) days of receiving such Bill, issue a notice (the "Bill Dispute Notice") to the invoicing Party setting out:....." 2. Clause 2.6.7 should also be updated accordingly.	Clause to be retained
110	Availability of the Project shall mean the ability of the BESS to execute a function i.e., charging or discharging, when called upon to do so, as per the schedule or signal provided by the Buying Utility, subject to the minimum system ratings specified herein. In addition, the BESSD shall also demonstrate, on monthly basis, 100% of the minimum dispatchable Capacity of the BESS as required under Clause 3.5 below.	Request to not consider Minimum Dispatchable Capacity on Monthly basis as a performance criteria, Minimum Dispatchable Capacity on Annual basis serves the purpose.		Clause to be retained
111	"APPROPRIATE Commission" or "DERC" shall refer to the Honorable Delhi Electricity Regulatory Commission	As per Order dated 01.03.2023 issued by Hon'ble CERC in Petition No. 279/MP/2022 & 284/MP/2022, CERC is the appropriate commission for Central Generating Stations. Accordingly, It is suggested to replace term "DERC" with the Appropriate Commission" as in case of CGS, CERC would be the appropriate commission as per mentioned order.	Appropriate Commission shall refer to DERC/CERC as applicable	Clause to be retained
112	The BESSD shall make himself available to undertake a visit to the site on call basis to provide maintenance services within 12 hours of lodging of complaint by the Buying utility through Telephone/ E-mail or, any form of written communication. The BESSD shall provide dedicated trained contact/ personnel for troubleshooting and complaint lodging	Kindly increase the response time to 48 hrs		Please refer to corrigendum #2
113	The BESSD shall make himself available to undertake a visit to the site on call basis to provide maintenance services within 12 hours of lodging of complaint by the Buying utility through Telephone/ E-mail or, any form of written communication.	Bid manager may allow a visit to the site on call basis to provide maintenance services within 24 hours of lodging of complaint by the Buying utility		
114	DC: Ground fault detection	As in the BESS system, negative is ungrounded floating, hence same cannot be provided		Clause to be retained
115	Battery packs, Power conditioning system, Air conditioning (AC) system, UPS, system hardware, measurement & control device, and other associated items necessary for trouble free operation and maintenance of whole system.	Bidder requests to allow technology agnostic solution		Bidders must provide all technical parameters available to them

116	Technical Bid: Format 2	During pre-bid & post bid, during detailed engineering, generally, the technical details of the equipment varies. Thus providing detailed technical specs of the equipments is not suggested.		
117	Service Level Agreements (SLAs)	As general practice, PPA is signed between two parties. Request you to share the draft PPA/Energy purchase Agreement		Please refer to Volume 3 (draft Battery Energy Storage Service Agreement)
118	Battery Energy Storage Service Agreement (BESSA)	We would request to kindly provide a detailed copy of Battery Energy Storage Service Agreement (BESSA)		Please refer to Volume 3 (draft Battery Energy Storage Service Agreement)
119	Automated Fire and Smoke detection and Fire suppression system for all deliverables under the scope of work including but not limited to Battery container, PCS, and Transformers	Automated Fire and Smoke detection and Fire suppression system shall not be applicable for outdoor type PCS		Clause to be retained
120	1.3. Commissioning certificate from relevant authorities for the facility.	Kindly elaborate on required approvals & authorities		As per Volume 1 -> Definitions of Terms (17): Commissioning Committee comprising members from Buying Utility and third-parties nominated by the Buying Utility shall approve the system and issue Commissioning Certificate
121	The control features in Energy Management System (EMS) shall be customizable and shall have feature to update the algorithm and control philosophies from time to time till tenure of BESSA. The updates should be over the air (OTA) and without system downtime.	In this feature, any kind of update will requires verification time, till that time period will need redundant system, Kindly consider Non OTA updates		Clause to be retained
122	The system shall preferably be based on computer technology with a Linux operating system. Other system architectures are acceptable, but regardless of system architecture, the system shall, at a minimum, provide remote data inquiry from personal computerbased platform and data file export capabilities in ASCII format or, independent media (such as universal serial bus drive) that are readable on personal computer-based systems.	USB capabilities is not recommended looking at security reasons, kindly accept		Bidder shall ensure appropriate cybersurity measures
123	Active Reactive Power control: PCS shall be able to provide 0.8 lead to 0.8 lag reactive power support without curtailing the active power.	Request to consider as per CEA norms		Clause to be retained
124	PCS Enclosure:PCS should be placed in waterproof and dustproof enclosure rated to minimum IP-54 protection with provision to prevent moisture condensation, airborne dust rodents etc., and compliant to IEC-60529 and NFPA 855. It shall be kept indoor (inside container/enclosure of BESS) floor-mounted, self-supporting sheet metal enclosed cubicle type. The BESS shall provide all associated items such as base frames, removable gland plates, copper lugs anchor bolts and hardware. Cubicle door should	PCS are IP54, same can not be kept inside, kindly accept		It is clarified that PCS may be kept indoor/ outdoors provided the PCS itself meets IP54

125	<p>PCS should be placed in waterproof and dustproof enclosure rated to minimum IP-54 protection with provision to prevent moisture condensation, airborne dust rodents etc., and compliant to IEC-60529 and NFPA 855. It shall be kept indoor (inside container/enclosure of BESS) floor-mounted, self-supporting sheet metal enclosed cubicle type. The BESS shall provide all associated items such as base frames, removable gland plates, copper lugs anchor bolts and hardware. Cubicle door should be earthed properly.</p>	<p>Bidder request to remove the clause pertaining to IP54 compliant PCS shall be kept Indoor, as the PCS with IP54 rating are compliant for outdoor operation and by providing such outdoor type PCS inside a closed space like container may limit the ventilation requirements. Bidder requests to amend the clause.</p>		<p>It is clarified that PCS may be kept indoor/ outdoors provided the PCS itself meets IP54</p>
126	<p>Battery container / cabinet: The whole system (battery, PCS, auxiliary source, PMS, firefighting system etc.), shall be enclosed in a container or cabinet with IP-54 class of protection or as per national/ international standards (IEC-60529) and NFPA 855.</p>	<p>Bidder requests to remove PCS with outdoor capability(ip54) to be placed in a container.</p>		
127	<p>4.5 Civil and Structural Works All civil works shall be carried out as per design / drawing / specifications as approved by the buying utility. The civil work includes levelling, area grading, site clearing (Tree and stump removal as per applicable law, clearing and grubbing, along with demolition of any obstructions or facilities), soil investigation and design as per site conditions. All materials used for construction should be of superior quality confirming to relevant Standards and Codes. The BESSD shall make necessary provisions for construction of foundation, cable trenches, excavation, etc. All materials including cement, reinforcement steel and structural steel, etc. shall be arranged by the BESSD and will be in the scope of BESSD.</p>	<p>In This regard, who will be providing Tree cutting approval, bidder requests to keep it under BSES scope</p>		<p>System is to be designed considering the free space available</p>
128	<p>Site visit</p>	<p>There are few trees within the plot allocated for BESS installation. The same may be required to be removed for shifting and installation of the BESS containers. If the tree cutting is in bidder's scope, confirm whether any statutory clearance is required for the removal of these trees.</p>		
129	<p>In addition, our team visited the site and observed that space for movement of material was quite restricted due to inadequate road access, overhead cables and trees and would require certain measures such as breaking of the wall near the gate, removal of the storage building etc. We request clarity on site modifications which will be conducted by BRPL prior to allocation to the developer.</p>			

130	<p>The Bidder should have commissioned and/or have under-commissioning grid-connected battery energy storage system(s) of at least 1 MWh in India or globally within last 5 years from the date of Bid opening.</p> <p>Certificate issued by the Employer/ Client within last 5 years from the date of Bid opening certifying the operation without any adverse remark along-with copy of purchase order prior to the date of technical bid opening, shall be provided.</p>	Request you to kindly consider LOA/LOI or BESS connectivity agreement for fulfilling the QR criteria.		The updated technical criteria will be shared shortly
131	<p>Bidder's experience as a prime developer within 5 years from the date of Bid opening for Supply, installation, Commissioning, operation & maintenance of grid-connected BESS in India or globally along with Purchase order, Commissioning certificate and proof of satisfactory operations from central / State Government Agencies / PSU / Private firms.</p> <p>The Bidder shall mention the:</p> <ul style="list-style-type: none"> · Total Cumulative Installed Capacity of grid interactive BESS in terms of MWh (commissioned and operational for at least six months) · Total Cumulative Installed Capacity of grid interactive BESS in terms of MWh (under commissioning/ commissioned and operational for less than six months) · Largest grid interactive BESS installation in terms of MW and MWh (This experience would include credentials of all consortium members, if applicable) 			The updated technical criteria will be shared shortly
132	Technical Details	As being in IPP mode, kindly accept the technical submission in Post bid mode		Clause to be retained
133	Site visit	As the 11kV cables from BESS transformers to 11kV panel in the switchgear room are to be routed besides the BSES training centre and 33kV/11kV substation yard, kindly confirm whether the bidder can plan for buried cable laying in front of training centre and besides the substation yard.		Separate cable trench for power supply/ connections should be considered by bidders at the design stage
134	Site visit	Kindly confirm whether the available space in the existing cable trench inside substation yard can be used for crossing the yard from besides the training centre to connect to the 11kV switchgear room. If the cable trench in the substation yard is allowed to be used, it will do away the requirement of buried cable laying around the yard for the BESS 11kV cables.		

135	Site visit	The space provision in the 11kV switchgear room for additional 11kV panels of BESS is such that it is not possible to install the 11kV panels maintaining sufficient clearance from rear side wall and the existing 11kV panels on the front side. Further, the cable entry trench provision for the new panels is adjacent to the wall, and hence if the new 11kV panels are installed above these trenches, the panels will be close to the wall with no access to the rear side of the panels. Further, it is observed that there is provision for extension of the existing 11kV switchgear on the left side (when seen from the front pf the switchboard) with addition of two new panels. However, a bus riser extension box presently installed in the switchboard on this side (for extension of supply to the second 11kV switchboard) is to be removed and relocated to the left end after extension of the switchboard on the left by addition of two 11kV panels for BESS. Kindly confirm whether the arrangement will be acceptable to TERI/BRPL.		Bidder shall conduct system design after consideration of existing systems
136	Site visit	Kindly confirm whether the 230V AC supply and 48V DC supply for the additional 11kV panels for BESS can be extended from available DC and AC supply system of BRPL substation control room. As seen during site visit, spare feeders are available in the LTDB and DCDB for extension of 230V AC supply and 48V DC supply.		BRPL shall provide provide spare feeders
137	Site visit	Kindly clarify regarding integration of the BESS EMS with SCADA system of substation. Whether the EMS data is to be extended to SCADA RTU in the Kilokari substation control room or the data has to be extended over cloud to central SCADA control centre at Balaji? Further please clarify regarding the control/operation 11kV switchgear panels of BESS- whether they are to be operated from local BESS EMS or from Substation SCADA or both?		Existing SCADA RTU in Kilokari cannot be utilised. Gateway availability shall be over the cloud (not at Kilokari)
138	Distributed Energy Resources Management System (DERMS) and with SCADA through IEC 60870-5-104 protocol. The	Bid manager may provide information about 104 Gateway avilablility in kilokari or Vasantkunj SS		
139	The operation & maintenance of the BESS would include operating the BESS as per control logic mentioned by Buying Utility and separate module needs to be integrated with EMS for optimal dispatch, wear& tear, overhauling, insurance, and replacement of defective cells, investors, PCUs, spares, consumables & other parts for a services period of twelve years.	What is mean by module in the given clause ??		Bidder must posses capabilities to develop optimal BESS dispatch schedules. This may be either be part of the EMS or a separate module (software) integrated with the EMS
140	As per the requirement two cycle is required in a day and cool off time is approx. 1 hours between two cycle as informed in Prebid , and utilization pattern in discharge is in 15 min. interval so at the after complete discharge , time of charging what will be the pattern continuous charging or partial charging ??? BCZ for supporting the continuous operation scheduling details required when will be the charging occur so accordingly the system will be design	Please Clarify		The bidder is expected to operate the BESS in a manner that meets the requirements of Buying Utility, as informed through the schedules developed by the bidder, and approved by Buying Utility
141	Charging and discharging schedule required so system capacity could be size accordingly.	Please clarify the schedule of charge & discharge		

142	WHEREAS the RFP stipulates that in case response to RFP is being submitted by a Bidding Consortium, the Members of the Consortium will have to submit a legally enforceable Consortium Agreement in a format specified by BRPL wherein the Consortium Members have to commit equity investment of a specific percentage for the Project.	<p>As the given clause implies that the consortium members must incorporate a legal entity not just through sharing of techno-commercial credentials for the bidding purpose but also must contribute in terms of equity.</p> <p>However the tender conditions do not specify any minimum limit of equity contribution for partner other than the lead partner.</p> <p>Pls confirm the same.</p>		Yes, there is no minimum limit of equity contribution for partner other than the lead partner.
143	Bidder's total years of operation in Manufacturing, Supply, installation, Commissioning, operation & maintenance of grid-connected BESS (Can be met by either member of the consortium)	<p>In the given clause, the tender calls for the bidders to have manufacturing experience with BESS. However, we would like to appraise TERI team that majority of the players who operating in the RE developers' space, do not have any manufacturing experience with the BESS Systems. Moreover, there are limited players operating in the Indian Market who have an experience in BESS manufacturing & bring them onboard with the developers may not be possible.</p> <p>This clause would only limit the participation in this bid & eventually affect the possibilities of feasible tariffs. Hence, we would request TERI to kindly remove this condition</p>		The updated technical criteria will be shared shortly
144	In case of delay in signing of BESSA beyond 1 month from the date of tariff approval by Appropriate Commission, Buying Utility reserves the right to award other bidders in the tender, provided it is required for progress of project and provided they agree to come to the lowest rate	While we appreciate that the authority shall pick another bidder to replace the L1 bidder in case there is a delay on >1 month in BESSA signing. We would also like to understand the recourse in case the delay is from the Utility, would the bidder be allowed to revise their prices or any other way to compensate the delay.		Bid validity updated from 120 to 180 days, please refer to corrigendum #2
145	Site visit (if required) - 11.09.2023, 10 a.m.	We would request the authority to kindly allow further site visits for the bidders beyond the given date. We understood from the discussion in the pre bid meeting that there are visible problems at the site (space, approach, vicinity etc) & would like to undertake a site visit to understand these issues first hand & propose possible mitigations basis our previous experience.		Bidders may conduct additional site visits with prior intimation to BRPL
146	Bid Submission / e RA	<p>we understood from the tender that the techno-commercial bid shall be submitted over an email whereas the e-RA shall be conducted over the auction portal.</p> <p>We would suggest that from the point of view of transparency as well as how the other utilities are conducting such auctions in this domain, both the submission as well as e-RA must be done on the bidding portal only. This would also avoid any possible confusion amongst the bidders as all the bidders are well versed with the working of major bidding portals.</p>		Clause to be retained

147	The Bidder should have commissioned and/or have under-commissioning grid-connected battery energy storage system(s) of at least 1 MWh in India or globally within last 5 years from the date of Bid opening. Certificate issued by the Employer/ Client within last 5 years from the date of Bid opening certifying the operation without any adverse remark along-with copy of purchase order prior to the date of technical bid opening, shall be provided.	Is the 1 MWh BESS commissioned for bidders own captive requirement eligible for meeting the eligibility criteria?		BESS projects which are grid connected are eligible to meet the criteria
148	Sub-Contracting: No sub-contracting of work in full or in part is allowed unless approved by the Buying utility in writing.	Part subcontracting may be allowed (<50% of the project cost) for efficient project execution.		Clause to be retained
149	The selected bidder has to form a "Special Purpose Vehicle" (SPV), i.e., an Indian Company registered under the Companies Act, 2013 as its subsidiary Company, with 100% shareholding in the SPV, before signing of BESSA.	Bidder requests that, for individual Bidder (submitting bid as individual party and not as a Consortium), requirement of formation of Special Purpose Vehicle may please be removed. The BESSA may please be signed with the qualified Bidding Party. Please accept		Clause to be retained
150	The Bidder should have commissioned and/or have under-commissioning grid-connected battery energy storage system(s) of at least 1 MWh in India or globally within last 5 years from the date of Bid opening. Certificate issued by the Employer/ Client within last 5 years from the date of Bid opening certifying the operation without any adverse remark along-with copy of purchase order prior to the date of technical bid opening, shall be provided.	The BESS market in India has witnessed very few tender opportunities getting materialized in past few years, Bidder requests that in-house BESS installations by Bidder for captive usage, commissioned within last 7 years may please be accepted to meet qualification requirements. Accordingly, the clause may please be amended as follows: "The Bidder should have commissioned and/or have under-commissioning of cumulative battery energy storage system(s) of at least 1 MWh in India or globally within last 7 years from the date of Bid opening for Employer or in-house captive usage. Certificate issued by the Employer/ Client within last 5 years from the date of Bid opening certifying the operation without any adverse remark along-with copy of purchase order prior to the date of technical bid opening, shall be provided.		The updated technical evaluation matrix will be shared shortly
151	A Company/Consortium would be required to submit annual audited accounts for the last financial year, 2022-23, or as on the day at least 7 days prior to the bid submission deadline, along with net worth from a practicing Chartered Accountant/ Statutory Auditor to demonstrate fulfilment of the criteria.	Bidder requests that, in event of submission of Annual Report for FY 2022-23 audited by Statutory Auditor (SA), the further requirement of submission of net worth certification by SA may please be removed. Please accept.		Clause to be retained
152	The bidders will be required to submit the bank guarantee, either in person or through post, at the office of Bid Manager until the date as on 2 working days after the closing date of bid submission. If the Bidder has submitted bid online and fails to submit the Bank Guarantee for requisite amount offline within 4 working days from last date of bid submission, then the same shall be treated as incomplete bid, the EMD(s) shall be returned and the submitted bid will stand cancelled.	Please clarify, whether the allowed duration to submit bank guarantee is 2 days from bid submission or 4 days from bid submission.		Please refer to corrigendum #2

153	In case the Bidder submits the online documents over email within the bid submission deadlines and fails to submit the offline documents in the office of Bid Manager within the bid submission deadlines, the online bid of the Bidder shall not be opened. Similarly, bids submitted offline but without any online submission over email shall not be opened and the EMD shall be returned to the respective bidder.	Bidder understands that all bid documents to be submitted in both online and offline format. Please confirm		<p>1. All documents other than BG for EMD are to be submitted online only. EMD is to be submitted online (scanned copy) as well as offline as per Volume 2</p> <p>2. BG for EMD is to be submitted within 4 days of bid submission, please refer to corrigendum #2 for the same</p>
154	The original Bid, together with the required copies, must be received by Bid Manager as per the Schedule of Bidding Process. Any Bid received after the deadline will be declared "Late" and rejected to the Bidder over email.	Bidder understands that the referred clause is wrt to online bid submission part only. Offline bid to be submitted within the specified 2 or 4 days (clarification sought) after due date of bid submission. Please confirm.		<p>3. Only BG for EMD is to be submitted offline as per Volume 2</p> <p>4. Both technical and financial bid are to be submitted online. However, financial bid must be password protected. Password would be shared by the bidder at the time of financial bid opening</p>
155	No documents will be accepted in person, on or before the date of bid submission.			
156	This is a two-part bid process. Bidders are to submit the bids (a) Technical Bid (b) Price Bid. Both these parts should be furnished in separate sealed covers super scribing with specification no., validity etc, with particulars as Part-I "Technical Particulars & Commercial Terms & Conditions" and Part-II "Financial bid" and these sealed envelopes should again be placed in another sealed cover which shall be submitted before the due date & time specified.	Contradicting clauses regarding submission of physical bid docs. Please clarify.		<p>1. All documents other than BG for EMD are to be submitted online only. EMD is to be submitted online (scanned copy) as well as offline as per Volume 2</p> <p>2. BG for EMD is to be submitted within 4 days of bid submission, please refer to corrigendum #2 for the same</p> <p>3. Only BG for EMD is to be submitted offline as per Volume 2</p> <p>4. Both technical and financial bid are to be submitted online. However, financial bid must be password protected. Password would be shared by the bidder at the time of financial bid opening</p>
157	Termination Due to Force Majeure Event	On Force Majeure, the cost incurred by the Bidder for the amount of work carried out in the form of Supply of goods , civil works etc even if the bills are not submitted as on date should be compensated by the Customer/ Buying capacity.		Clause to be retained. Buying Utility is not the owner of the asset, therefore no compensation is payable
158	CCTV video surveillance with 360-degree night vision with live feed output on mobile app and EMS screen and archival in DVR including any other required hardware, software, and internet connectivity	Bid manager may allow for CCTV Storage maximum for one month maximum. Mobile App or remote screen may be allowed.		Clause to be retained Please refer Volume 1 -> 1.3.6
159	The systems will be deemed commissioned only after successful trial run of the system for seven (7) days from the date of commissioning and submission of relevant test reports.	If any grid issues , then Bid manager shall count that day as inclusive and best performing day during trail run duration.		It is clarified that if there are any grid issues , then Bid manager shall count that day as inclusive and best performing day during trail run duration.
160	Energy meter of 0.5 class accuracy (as per IS-14697) shall be provided for recording export/import energy from/to BESS. CTs and PTs used in the energy meter will be under scope of BESSD.	Bid manager may allow MFM meter with 0.5 class in HT panel to be used as Energy meter.		Please refer to corrigendum #2

161	Transportation and Storage at site	Bid manager may provide details with respect to storage yard.		Responsibility falls under the scope of work of the bidder
162	Foundation. All data should be accessible through this OPC server for providing real time online data (BESS parameters) to the concerned authorities/organisations.	Bid manager may provide details on existing OPC server in SubStation , port in which our data need to be transmitted.		Preferred is IEC 104 as BRPL SCADA is running on IEC 104
163		In google maps image- Bid manager may mark their overall proposal/idea for BESS placement.		BESS placement within the scope of bidder
164	Successful Bidder shall furnish a Performance Bank Guarantee for an amount of 7.5% (Sevenpoint five percent) of the capital expenditure of the project cost after issuance of LOA	Performance Bank Guarantee may please be reduced to 5% of Capital Expenditure of the project. This has been the standard norms in all the BESS tenders.		Please refer to corrigendum #2
165	The Performance Bank Guarantee shall be valid from the date of signing of BESSA and shall be valid for a period of 12 years from the Commercial Operation Date (COD) or 8,760 lifecycles (whichever is earlier), plus 12months towards claim period. Upon submission of the performance bank guarantee, the Earnest Money Deposit (EMD) shall be released.	Majority of Battery suppliers (or cell OEMS) provide 6000 cycles at STC. One time entire BESS replacement may be needed for 8760 cycles. In future any cost esclation as per market - same may be re imbursed . A provision may be provided by bid manager.		Any cost fluctuations or additional costs due to augmentation / replacement are on the bidder
166	For installation of ABT Meters, Meter testing, Meter calibration and Meter reading and all matters incidental thereto, the BESSD and the Buying Utility shall follow and be bound by the Central Electricity Authority (Installation and Operation	Bid manager may clarify CEA or CEIG approval required ? Bid manager may also clarify the list of stuatory approvals required and its work flow.		Buying utility will provide the necessary approval. If CEIG approval is required, bidder is responsible for obtaining the approval, with the support of the buying utility
167	Liquidated damages	Liquidated damages may be capped to 3% of overall O&M cost.		Exisiting clause is retained
168	Bidder should have commissioned and/or have under-commissioning grid-connected battery energy storage system(s) of at least 1 MWh in India or globally within last 5 years from the date of Bid opening.	As the developers/investors might not have quiliafication, we suggest to keep a condition that Investors can bid with a technical binding partnership with system integrator for BESS who has the qualification criteria. Also, Investors shall be liable to consider the binding partnership proposed during the pre-bid stage and shall not change the partnership post the Letter of Award. We also suggest that the system integrator should have done at least 5MWh of BESS in India or globally and the project should be in operation for atleast 2 years.		1. Consortiums are already allowed to participate, therefore developers can tie up with system integratrs having necessary credentials 2. Please refer to Volume 2 -> General Eligibility Criteria -> 1.3. The original shareholding of the bidding consortium is to remain unchanged 3. Technical evaluation matrix will be shared shortly
169	Financial eligibility criteria	- Can a main bidder having net worth of 33 Cr form a consortium with company B having net worth of 3 Cr? In summary, can consortium be formed with a ratio 95%(Company A):5%(Company B)? - Request you to kindly reduce the financial eligibility to 30 Cr INR		- It is clarified that the consortium net worth shall be considered as $0.95*33+0.05*3=31.5$ cr - Clause to be retained
170	Please provide the expected cycle division for the energy and ancillary. As energy have deep DoD and ancillary has shallow DoD in operation, it will be difficult to compute the accurate BESS degradation and thereby financial model.			It is currently envisaged that 80% of cycles will be used for energy arbitrage and the remaining cycles for ancillary

171	There is no clarity for the incentivization if the BESS makes >2 cycles/day. Freq Reg/spin/DR/DSM + Energy shifting application can lead to >2 cycles per day if the neutral signal is having a higher mileage. Kindly clarify on the same			Energy arbitrage and the remaining cycles for ancillary services. However, this would be dependent on real time operations and the prevalent regulations
172	As there are more developers than qualified system integrators, it is our request that system integrators be allowed to collaborate with multiple developers (commercial investors) for the bid. The winning bidder will be bound to use the system integrator they bid with.			If a bidder is bidding as member of a consortium, they cannot also put in an individual bid. Also, lead bidder in a consortium cannot put in more than one bid
173	For the 1MWh under commissioning qualification criteria, there must be a definitive milestone to qualify a project as "under commissioning" such as a factory acceptance test or a site acceptance test. Providing only an LoA or a Purchase order should not qualify a project as "under commissioning".			The technical evaluation criteria will be shared shortly
174	Can the System Integrator form a consortium with a developer / investor with 0 equity contribution?			Members of a consortium must have non-zero equity contribution
175	<p>“INTERCONNECTION/ DELIVERY/ METERING POINT” shall mean the point at 11kV/ 33kV Kilokari Grid Substation or 11kV/ 66kV C-Block Vasant Kunj Grid Substation where the power from the Battery Energy Storage System is injected into the BRPL’s substation (including the Power Evacuation facilities from PCS output to 11kV panels). Metering shall be done at this interconnection point where the power is injected into. For interconnection with grid and metering, the BESSDs shall abide by the relevant CERC/ DERC Regulations, Grid Code and Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended and revised from time to time.</p> <p>All charges and losses related to Transmission of power from project up to Delivery Point as notified by the competent authority / regulator shall be borne by the BESSD and beyond the Delivery Point all charges and losses (including but not limited to Demand and Usage Charges, open access, transmission, Cross Subsidy, wheeling, SLDC Charges etc.) as notified by the competent authority / regulator from time to time shall be borne by Buying Utility.</p>	<p>Please confirm for bidder's clarity of the clause:</p> <p>Interconnection/Delivery/Metering point is where power is injected into BRPL's substation i.e., 33kV / 66kV at Kilokari Grid Substation / Vasant Kunj Substation respectively and not 11kV.</p>		Interconnection/Delivery/Metering point is at 11 kV feeder bus either at 33kV/11kV Kilokari Grid or 66kV/11kV Vasant Kunj
176	Maximum Ambient Temperature - 50degC Maximum Daily average ambient temperature - 40degC	From the given clauses, Bidder would like to propose 40degC as design ambient temperature with system capable to operate till 50degC at derated power levels. Please confirm.		Clause to be retained

177	<p>Energy Management System compatible for integration with existing BRPL's EMS and with SCADA (IEC 104) and all associated hardware and software including internet connectivity upto the monitoring and control system which will be placed in BRPL Control room/ building. The control/ monitoring system shall be cyber security compliant as it will be connected to BRPL SCADA system.</p>	<p>Please clarify the following</p> <p>A. We understand BRPL EMS system will be acting as Master and Bidder's EMS to follow the commands from BRPL's EMS for the intended applications.</p> <p>B. Any modification of BRPL SCADA to incorporate BESS parameters (screens) for monitoring is outside the scope of Bidder.</p>		<p>A. Bidder's EMS to be the Master EMS and to be integrated with existing BRPL's EMS. Any support or necessary required for integration shall be provided to the successful Bidder during detailed engineering.</p> <p>B. Any modification of BRPL SCADA is not in Bidder's scope. However, Bidder has to carry out the mapping of various parameters over IEC 60870-5-104 protocol during detailed engineering. All the variable settings, parameters and connection to the BRPL's SCADA channel/port is in Bidder's scope.</p>
178	<p>The operation & maintenance of the BESS would include operating the BESS as per control logic mentioned by Buying Utility and separate module needs to be integrated with EMS for optimal despatch, wear& tear, overhauling, insurance, and replacement of defective cells, invertors, PCUs, spares, consumables & other parts for a services period of twelve years.</p> <p>The primary use cases for which the BESS would be operated are energy time-shift (arbitrage) and provision of ancillary services to the market by the utility. The bidder is expected to operate the BESS in a manner that meets the requirements of Buying Utility, as informed through the schedules developed by the bidder, and approved by Buying Utility.</p>	<p>Please confirm bidder understanding</p> <p>A. Control logics for the BESS operation shall be made available in Buying utility (BRPL's) EMS and Bidder to follow the commands to the extant possible.</p> <p>B. Bidder / Contractor is not responsible for any mis-operation of the control logic mentioned by Buying Utility.</p> <p>C. Bidder requests to remove the clauses regarding module for wear& tear, overhauling, insurance, and replacement of defective cells, invertors, PCUs, spares, consumables as these are not part of any EMS / SCADA functionality for BESS.</p> <p>D. Bidder understands based on control logics mentioned by Buying utility, the operating schedule for next day shall be provided by Buying Utility to Bidder and Bidder need to validate and provide such shared operating schedule back for approval by Buying Utility. As such Bidder does not have any responsibility to identify the charge and discharge schedule for BESS and it is Buying Utilities responsibility. Please confirm.</p>		<p>A. Bidder has to develop some application through which Buying Utility can provide /upload the excel format for the BESS dispatch schedule and Bidder has to execute the command through its EMS. The SOP shall be prepared during detailed engineering.</p> <p>B. It is the sole responsibility of the Bidder to follow the schedule shared by Buying Utility and there shall not be any deviation from the schedule as provided by the Buying Utility.</p> <p>C. A separate module to be developed by Bidder only to ensure the optimal utilization of BESS to get maximum monetary benefit from the system as per defined use cases. Clause to be read as " The operation & maintenance of the BESS would include operating the BESS as per control logic mentioned by Buying Utility and separate module needs to be integrated with EMS for optimal despatch. Wear& tear, overhauling, insurance, and replacement of defective cells, invertors, PCUs, spares, consumables & other parts to be maintained for a service period of twelve years."</p> <p>D. Bidder may suggest to revise the schedule in order to make optimal utilization of BESS to get maximum monetary benefit such as from Ancillary Market. Bidder shall take approval from Buying Utility for the same.</p>
179	<p>The BESS will be primarily designed for energy time shift (arbitrage) and provision of ancillary services. In this application, BESS shall draw power from BRPL's distribution grid and discharge as informed through the schedules developed by the Buying Utility.</p>	<p>Bidder requests Buying utility to modify & align the clauses regarding the responsibility of the BESS schedules for charging and discharging, mentioned in Scope of Work 2. Operation and Maintenance to 1.3 - Battery Energy Management System.</p>		<p>Both clauses to be read in conjunction</p>

180	System should have capability to take and accept analog / digital data from other BESS of similar / different size and with different technology. The EMS may also be a cloud-based service, on the cloud approved by MEITY, and interoperable and integrable with utility's existing EMS/ DERMS and SCADA over IEC-104 / OPC-UA / Rest APIs / Modbus TCP / IEC 61850.	<p>A. Bidder requests to limit the scope only to integration with existing BRPL's EMS considering Buying Utility is acting as Master System for control of BESS and exclude the scope of take and accept analog/digital data from other BESS's system as Bidder does not have any control/monitor aspects of other BESS's.</p> <p>B. Please clarify does bidder is required to provide mandatorily Cloud-based service for EMS.</p>		<p>A. Buying Utility's EMS is not a Master System. Bidder's EMS must be on open protocols for any future integration.</p> <p>B. Yes EMS shall be cloud-based service approved by MEITY.</p>
181	BESS should have the capability to monitor and control the operational parameters (Grid V & I, P, Q, f, battery V & I, SoC, relay/actuator command etc.) remotely in SCADA system through communication interface. In-addition, BESS operation shall be controlled either through EMS frontend or utility's SCADA screen.	BESS EMS can monitor the Grid V & I and can operate based on the commands received from Master Control (Buying entity EMS). BESS EMS is responsible for Control of Grid V & I as Bidder is not responsible for overall operation of Grid. Request to remove these parameters.		BESS EMS shall be integrated (paramters screen) with Buying Utility's SCADA for monitoring and controlling BESS. It shall have the capability to execute commands for charging and discharging as per defined use cases. Bidder is only responsible for operation and maintenace of BESS
182	The EMS shall include monitoring, data acquisition and control system to provide continuous visualization or display of key operational parameters, as well as permanent archival of all measured parameters at the Buying Utility's SCADA control centre at Balaji. The archived data shall be readily and made available at any point throughout the term of the BESSA as per the Buying Utility's requirement.	<p>Bidder requests to remove the availability of data archival facility at Buying Utility SCADA Control centre at Balaji Estate.</p> <p>As such, Bidder can provide web-client which provides real time display of information regarding the BESS System and a Site-specific Historian which can be used for Data archival purpose. Buying entity can view the data from the archived data available at site / can be transferred by removable media and also can view real time data at SCADA centre at Balaji estate.</p>		Clause to be retained
183	BESSD shall provide a module as part of EMS for uploading the schedule by buying utility, basis which charging and discharging of BESS shall be carried by BESSD. In addition, a forecasting module of day-ahead and real-time market prices shall be developed and shall be integrated in EMS for optimal charging and discharging for the purpose of envisaged application of Energy Arbitrage and/or participation in Ancillary market, with an over-riding facility to the operator after due approval from buying utility.	<p>Bidder's requests to amend the clause with intention to implement as below</p> <p>Bidder's Forecasting module of day-ahead and real-time market prices can provide as an indicative scenario for Buying utility. However, buying utility is the final authority to can refer and amend the schedule as desired and shall provide such final schedule of operation for BESS to follow.</p>		Clause to be retained. The SOP for BESS dispatch shall be prepared during detail engineering stage.
184	BMS shall monitor voltage, temperature and charging status of each cell of BESS. It shall be able to control charging of cells based upon these information and power / energy requirements. It should charge the module in CCCV mode as per requirement of battery sub-system design. PCS shall regulate the float / boost voltage in case of prescribed temperature rise of battery as per manufacturer's recommendation to avoid thermal runaway.	Charge control of Battery system is based on OEM recommendation of CCCV / Constant Power and Bidder requests to provide this flexibility to Bidder for system design.		Yes it shall be on OEM recommnedations.

185	BESS shall be provided with air conditioning system to manage the heat load of the system and rating of AC should be defined accordingly. It should be rugged, reliable and maintenance free and designed for long life time. It shall be designed for continuous operation. The system should be equipped with changeover feature to keep system healthy. Appropriate redundancy should also be provided such that operation is unaffected.	Bidder requests to clarify, for liquid cooled battery solutions, separate Air conditioning is not being provided and hence the clause is applicable based on the Bidder and OEM design.		Bidder to provide the details in their Technical Presentation.
186	BESSD shall provide weekly, fortnightly, monthly, and annual reports as per the requirements on the performance parameters as per IEC 62933-3 and parameters approved by Buying Utility.	Bidder requests to modify the clause to accept the monthly and annual reports and relax the weekly and fortnightly reports.		Clause to be retained. Reports format shall be finalized during detailed engineering.
187	BESSD shall procure performance guarantees to ensure minimum performance levels as per the terms of the RFP for 12 years from the Commercial Operation Date (COD). The Warranty shall clearly indicate life expectancy given discharge profiles provided for the application.	Request to share the indicated discharge profiles for BESS.		The discharge profiles will be provided by the buying utility at the time of operation. BESSD is required to ensure 2 cycle usage of BESS
188	Safety of Li-Ion cell shall be ensured as per IEC-62281 and UL 1642 or UL 1973, Appendix E (cell) or IEC 62619 (cell) + IEC 63056 (cell), UL 9540 and UL 9540A. The container should have IP-54 class of protection.	Request to remove UL 9540 from Li-ion cell level certification as it is not applicable and applicable only for BESS overall system level.		Yes, UL 9540 is for system level.
189	Adequate fire protection system should be provided for whole system (cells, modules, PCS etc.).	Request to remove the fire protection for cells as Battery system manufacturers protection to rack / module at maximum and not for cell level. For PCS, manual fire protection system (portable fire extinguishers) shall be provided. Please confirm		Cell protection shall be as per OEM design and recommendation. Automated fire protection for each component is required.
190	Neutral point high resistor grounding type (DC side) for ground fault alarm shall be provided	Request to remove grounding requirement for ground fault identification. As there are other recommended methods following IEC 61557-8 for BESS.		It shall be as per the relevant National and International standard.
191	Battery fuse for each battery cell and module (preferred)	Request to remove fuse requirement for battery cell and module as in battery manufacturers provide fuse at the HV box at rack level.		It shall be as per OEM design and recommendation.
192	The Bidder should have commissioned and/or have under-commissioning grid-connected battery energy storage system(s) of at least 1 MWh in India or globally within last 5 years from the date of Bid opening. Certificate issued by the Employer/ Client within last 5 years from the date of Bid opening certifying the operation without any adverse remark along-with copy of purchase order prior to the date of technical bid opening, shall be provided.	As BESS is a new technology in the Indian market and has very small footprint in India, the technical eligibility criteria should be qualified by the Bidder who has been at least awarded (by way of Letter of Award) a standalone BESS project(s) for capacity >= 1MWh. The Bidder should be able to meet the eligibility criteria based on the technical experience of its Affiliate(s). Further, technical qualification based on a score should be removed.		Technical evaluation matrix will be shared shortly

193	<p>This RFP does not and will not create or give rise to any legally binding obligations upon GEAPP or any other party to perform any activities or provide any funding. This RFP document does not constitute an offer or a commitment by GEAPP or any other party to provide financing or funds, nor does it create any rights in any third party. No provision of this RFP and no action by GEAPP or BRPL will establish or be deemed to establish a partnership, joint venture, principal-agent relationship, or employer-employee relationship in any way or for any purpose whatsoever between GEAPP, BRPL or any other party.</p>	<p>We assume that the concessional financing is secured by the developer @ 1 % of interest rate and accordingly the tariff is quoted. In case of non-availability of above concessional financing, the bid should be terminated OR the developer be given the chance to quote the revised tariff according to its own assumptions.</p>		<p>In case concessional financing is not available to the bidder, then the RFP shall be deemed cancelled</p>
194	<p>Items: Date of commencement of project Date of completion / commissioning Copy of Purchase Order and Completion certificate from entity concerned</p>	<p>The details asked in the format should be amended so as to incorporate project(s) under development having Letter of Award.</p>		<p>Technical evaluation matrix will be shared shortly</p>
195	<p>non-availability of facility/system by BESSD to the Buying Utility for a continuous period of 90 days or more; or</p>	<p>non-availability of facility/system by BESSD to the Buying Utility for a continuous period of 180 days or more; or</p>		<p>Clause to be retained</p>
196	<p>The number of operational cycles refers to the number of times per contract term Buyer may fully charge and discharge the Storage Facility each year. A full charge will be deemed to have occurred when the cumulative amount of energy added to the Storage Facility over the course of a calendar month equals the Maximum Storage Level. This could occur in one continuous charge or over multiple charges, even if some energy is discharged in between. The inverse is true for a full discharge</p>	<p>The number of operational cycles refers to the number of times per contract term Buyer may fully charge and discharge the Storage Facility each year. A full charge will be deemed to have occurred when the cumulative amount of energy added to the Storage Facility over the course of a calendar month daily basis equals the Maximum Storage Level. This could occur in one continuous charge or over multiple charges, even if some energy is discharged in between. The inverse is true for a full discharge</p>		<p>Cycle calculation may be carried out on daily basis. If 2 cycles are not utilized in a day , remaining cycles to be carried forward for utilization during the tenure of BESSA.</p>
197	<p>Kindly share the bank details as per the below table as we require the details for EMD issuance.</p>			<p>Bank Name: State Bank of India Account No.: 10277791773 IFSC Code: SBIN0009601</p>