SOLAR ENERGY CORPORATION OF INDIA LIMITED						
New Delhi						
No. ……..SECI/C&P/BESSD/ESS-III/500MWh					Rev - 01	27.01.2025
(RfS title - Selection of Battery Energy Storage System Developers for Setting up of 125 MW/ 500 MWh of Battery Energy Storage System in Kerala with VGF for "on Demand" usage under Tariff-based Competitive Bidding (ESS-3)) : Clarifications to the queries on the RfS (RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024)						
S. No.	**Documents**	**Clause No.**	**Existing Clause**	**Proposed Modifications**	**Rationale/Remarks**	**SECI'S Response**
1	RFS P- 10 of 136	6.1	6 Project Location 6.1 Project shall be located in the vicinity of designated Substations of the STU network, in the State of Kerala. Land identification and allocation for the Project will be under scope of KSEBL. Land will be provided on lease/right-to use basis to the BESSD through suitable agreement with KSEBL, and the same shall be facilitated by SECI. Project land details are enclosed herewith at Annexure-E.	1. Is land in possession with KSEBL? 2. ROW issue or Forest clearance, if any shall be in the scope of KSEBL or SECI. Kindly confirm. 3. Land development & Land boundary is in bidder scope or KSEBL scope? 4. If Land boundary is in bidder scope, then Precast boundary or Chain link fencing is to be done? 5. Request to provide, i) KMZ file of proposed land parcel with complete marking of usable land. ii) Topographical survey report (in Auto-cad as well as PDF). iii) Geotech survey report. iv) Autocad drawing of vicinity map/demarcated land boundary.		Land is in possession of KSEBL. No ROW issues or forest clearance issues. Land development is in Scope of the BESSD. Coumpound wall existing at site. To the sides adjoining public roads / pvt property, Coumpound wall is required. At other places to demarcate the BESS area from KSEBL land, pre cast boundary/ chain link fencing is acceptable. Contour sketch of the site provided as Annexure.
2	SLD and map location			1. Bidder Presume that 110 kV bay Mylatt 220kV S/s is in Employer Scope. Kindly confirm. 2. Bidder Presume that BESS power of 125MW is to be terminated at single bay of 110 kV at Mylatty S/s. Kindly confirm.		Please refer the RfS(Cl 6.1) , 110 bay is in BESSD Scope. Requirement of Single bay or Two bays is at discretion of BESSD. The availability and other performance parameters are to be satisfied during the entire contract period.
3	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024 2. SLD & Map Location	6 (Table)	Space Available within the Substation (in acres) - 9		However, in the Map-, area is mentioned as 7 Acre. Request to clarify on o Land for the project will be 9 Acres o Additional land will be provided by KSEB for additional bays, if any required	Land area upto 9 acres will be alloted for BESSD. Land required for additional bay, if required will be provided, bay development/ extension being in the scope of the BESSD
4	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024	7.7	DSM penalties, if any, shall be levied separately on the respective entities as applicable, at their respective ends for the charging and discharging activities.	KSEB/ SECI shall revise the document/ this clause such that there shall be one penalty.	For the difference/ deviation in Actuals over the Schedule, Availability is reduced based on the DSM Report. Document specifies, in addition to the Penalty for redcued Availability, DSM Penalty are also levied. This accounts for double penalty. Accordingly, KSEB/ SECI shall revise the document such that there shall be one penalty.	The clause remains unchanged
5	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024 2. SLD & Map Location	8.1 (c)	….KSEBL may, at its discretion, utilise the BESS upto 2 Operational cycles per day subject to the maximum of 40 Operational Cycles in a Calendar Month and maximum of 400 Operational Cycles in a Year.		We have noted that KSEB may ask for two cycles in a day subject to monthly and yearly cap of 40 & 400 operational cycles respectively. However, whenever 2 operational cycles / day are warranted - then 2 hours' time left for cooling / recovery.etc for BESS. KSEB need to consider this for providing charging and discharge schedule for subsequent day	The cooling / recovery time as specifed in the RfS shall be considered while scheduling the BESS for Charge / DisCharge Cycles.
6	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024	8.1 c	1 Operational Cycle per day, i.e. 1 Complete charge-discharge cycles per day		Request KSEB / SECI to define 1 Complete charge-discharge cycle KSEB / SECI to confirm that once the Battery is scheduled for Charging (through single/ multiple sessions) , KSEB/SECI shall schedule for discharging only after the battery is fully charged. Similarly, when the Battery is scheduled for discharging (through sinlge/ multiple sessions), KSEB shall schedule charging only after the batter is fully discharged	Partial charging / discharging may be required (through single/ multiple sessions) , however the charging / discharging shall be scheduled only proportional to the State of Charge (SOC) and after providing necessary cooling time as specified.
7	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024 2. SLD & Map Location	8.1 (iii) c - Note	The BESSD shall take separate, metered connection for the Auxiliary Power load of BESS.		Is this auxiliary is chargeable to BESSD ? If yes, what will be the Tariff	The Auxilliary Consumption is chargeable to BESSD. The tariff, subject to KSERC approval is as indicated: HT I -A (Industry) , exempting the Demand Charges. The rate is ₹ 6.25/kwh.
8	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024 2. SLD & Map Location	8.1 (d) ii	…….. BESSD shall also demonstrate, on annual basis, 100% of the minimum Dispatchable capacity of the BESS ……..		Kindly clarify that this demonstration capacity is after considering annual degradation ?	The Minimum Dispatchable Capacity to be demonstrated is after due consideration of annual degradation specified in Clause 8.1.d.iv

9	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024	8.1 (d) (ii) & Illustration	On computation of Availability and RTE		Request SECI/ KSEB to confirm the following understanding on computation of System Availability System Availability is computed considering the Actual drawl Vs Schedule Drawl and Actual discharge Vs Schedule discharge. As per the RFS, minumum RTE is 85% and assume the bidder also quotes min. RTE of 85%. In the event, KSEB is not likely to supply energy for charging based on current RTE and restrict supply at RTE of 85%, then Case 1: Though the RTE quoted is 85%, assuming/ considering the battery system to be efficient and actual RTE is 90%, then Battery would require lesser energy for discharging COntrated Capacity. Though KSEB would be in advantage, as per the formula prescribed, BESSD would be liable for Penalty for lower Availability during Charging. Case 2: Assuming the current RTE to be 80% and assuming KSEB would give additional energy (as requested in Sl. No. 1), BESSD would draw additional energy to discharge Rated Energy. For drawing such additional energy, Penalty is levied @ APPC but Availability will not be affected.	BESSD is required to declare current RtE of the BESS for purpose of scheduling the Charging energy. The sceduling of charging will be line with that required for charging the BESS as per the current RtE, so as to enable discharge of the contracted output energy. The bidder is not required to Quote the RtE. Case 1: For better RtE, incentive @ Rs. 0.5 / kwh of energy saved for charging is provided. Case 2: For lower RtE,upto 70% additional energy for charging will be scheduled and Penalty for excess drawl is levied @ APPC rate. Availability will not be affected if the schedule for charging is followed by the BESS.
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11	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024 2. SLD & Map Location	8.1 d (ii) & 8.1 d (v)			1. Minimum Dispatchable Capacity (MDC): = Contracted Capacity x 4 Hours x (1 – degradation % x no. of years) • As per the Cl. 8.1.d (ii), MDC is required to be demonstrated on annual basis. However, Cl. 8.1.d (v) states the Developer is liable for LD on-account of shortfall in supply of committed energy for the corresponding billing month period. There seems to be ambiguity in these clauses. Request clarification on the same.	The Annual Discharge Energy Commitment is 95% of the Energy Scheduled for Discharge. LD will be applicable only for the Shortfall in supply of committed energy lesser than the Annual Discharge Energy Commitment.
12	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024	8.1 d (iii)	Minimum AC to AC roundtrip efficiency (RTE) of 85% for the system on monthly basis	Technologies like Flow Batteries would have slightly Lower RTE but has lesser degradation and higher Depth of Discharge. With such lesser degradation, KSEB is ensured of the higher Availability of BESS through out the term of the project which would optimise its Storage Cost. Request SECI/ KSEB to consider the minimum RTE to 70% for any penalty purposes		the clause remains unchanged
13	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024	22.3	The BESPA shall be valid for a period of 12 years from the SCD of the Project or the date of full commissioning of the Project, whichever is later. Any extension of the BESPA period beyond the term of the BESPA shall be through mutual agreement between the BESSD, KSEBL, theBuying Entity and SECI. BESPA shall be extended for a period upto 5 years.....	Request KSEB / SECI to have the term of the PPA for longer term of 20/ 25 years, i.e. till the life of the BESS. KSEB is requested to confirm that such extension of BESPA beyond he initial 12 years would be for the entire Contracted Capacity or for only part of the initial Contracted Capacity	Nowadays battery technologies are available with higher life cycle. By increasing the term of the Agreement, KSEB would be benefited for a competitive Tariff for longer duration	The extension of BESPA beyond the initial 12 years would be for the part of Contracted Capacity as demonstrated after the 12 year period. eg: If the Minimum Dispatchable Capacity demonstrated after the 12 year period is 400 MWh at 125MW, then the extension of BESPA will be for 80% of the initial Contracted Capacity. A maintenance period upto 90 days will be allowed for Battery replacement / other maintenance activities , after the 12 year period.
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15	SLD & Map Location		Two Nos 100 MVA transformers (220/110 kv) with spare Transformer of 33 MVA are available in identified Mylatty substation (refer SLD of switchyard)..		• will existing Transformers suffienct for BESS load of 125 MW (around 145 MVA capacity) & existing 11 KV side Loads & proposed 220 KV feeders for Vidyanagar as shown in map • If not , KSEBL is proposing to add few more TR sets (110/220 kv side? Clarify.	Load flow studies have beed conducted and found satisfactory with the existing 110kV network.
16					SECI/KSEB are requested to share the load study conducted at Mylatty substation.	Load flow studies have beed conducted and found satisfactory with the existing 110kV network.
17	SLD & Map Location				Considering the layout, we have not forseeing the requirement Long Transmission Line (150-200 m distance between BESS to Switchyard bay). It will HT cable (under ground) of around 150 m between BESS and Transformer/Bay	Bidders are encouraged to conduct site visits to examine these queries. The layout of BESS is in scope of BESSD.
18	RfS	Clause 8.1 (d), iii	*.....The BESSD shall take separate, metered connection for the Auxiliary Power load of BESS.....*	*.....The BESSD may take separate, metered connection from discom or derive metered aux sytem within BESS Plant electrical system, for the Auxiliary Power load of BESS.....*	What will be the tariff to be paid by BESSD for the auxiliary power load of BESS? May please clarified.	The Auxilliary Consumption is chargeable to BESSD. The tariff, subject to KSERC approval is as indicated: HT I -A (Industry) , exempting the Demand Charges. The rate is ₹ 6.25/kwh.
19	RFS	6.1	Bay-Availability One (1) Bay of 110 kV Available Additional Bay if required to be Extended by Project Developer	One 110kV Bay is sufficient, hence additional bay requirement provision is requested to be removed.	To avoid space constraints and avoid complications with the existing Sub-Station.	Please refer the RfS(Cl 6.1) , 110 bay is in BESSD Scope. Requirement of Single bay or Two bays is at discretion of BESSD. The availability and other performance parameters are to be satisfied during the entire contarct period.
20	RFS	6.6	Fire barrier between switchyard and BESS to avoid fire to spread from BESS to Yard equipment	Necessary Fire fighting system including water hydrant system to be provided to avoid any fire spread to yard equipment Minimum 15 meter distance will be maintained between BESS and Swithyard equipment. Hence, Fire barrier will not be required.	Requirement of Fire barriers depends on the distance between BESS and Switchyard. Kindly clarify the minimum distance to be maintained between BESS and Swithyard to avoid Fire barriers. Minimum 15 meter distance will be maintained between BESS and Swithyard equipment. Hence, Fire barrier will not be required. Please remove this provision for all the bidders.	Bidders are encouraged to conduct site visits to examine these queries. The layout of BESS is in scope of BESSD. Fire barrier may not be required if sufficient spacing is ensured.
21	RFS	8 d iii	The BESSD shall take separate, metered connection for the Auxiliary Power load of BESS.	Dedicated 11kV Aux feeder shall be provided from the Millatti Sub-Station itself for BESS Aux consumption.	Requested to make provision of 11kV Aux. feeder from the same sub-station. This will ensure the Aux Power reliability and hence assured BESS availability.	Dedicated 11kV Aux feeder will be provided from the Mylatti Sub-Station itself for BESS Aux consumption. The augmentation of infrastructure required for drawing Auxilliary Power is in scope of the BESSD

22	RFS	8 d iv	Min. Dispatchable Capacity at the end of Year (as a % of Capacity at the Beginning of Life	Liquidated Dmages on Committed Energy must be removed, as same is already covered under LD on Availability. Also, year-1 and year-2 degradation should be less than 4%, request necessary changes.	Requested to please remove the penalty provision on BESS degradation, as this seems to be duplicacy of Liquidated Damages. In other recent BESS tenders the penalty condition is only on Shortfall of Availability and RtE, not on the degradation. As per electro-chemistry of the Batteries, it needs time for setteldown resulting in the more dgardation in initial 2 years (in range of 4%-4.5%). OEM's generally does not provides degradation of 2.5% in these two years.	RfS provisions shall prevail. The LD for availability is limited to charging cycles only.
23	RFS	8 d v	The BESSD shall be liable for Liquidated Damages to the off-taker,		Please remove LD on shortfall of committed energy as 1st and 2nd year degradations are more, this penalty will call for unnecessary over sizing of the system	The clause remains unchanged
24	RfS	9.1.f.	The BESS shall have the black start and intentional island control capability to extend start-up of a blackout system or to operate independently after formation of an island.	Black Start function is not required.	Please remove the provision of Black Start, if it is not really required. As this requirement will increase the cost in terms of PCS and UPS designing.	The clause remains unchanged
25	RfS	9.1.d.	Primary Frequency Control – The BESS shall have provisions for Primary Frequency Control with a droop which can be set as per system requirement between the range specified for wind/solar generation sources (inverter-based) in the CEA (Technical Standards for Connectivity to the Grid) Regulations.	Primary Frequency Control – The BESS shall have provisions for Primary Frequency Control with a droop which can be set as per 125MW/500MWh BESS System design capacity between the range specified for wind/solar generation sources (inverter-based) in the CEA (Technical Standards for Connectivity to the Grid) Regulations.	Primary Frequency control will be limited to the BESS System design capacity only.	Primary Frequency Control – The BESS shall have provisions for Primary Frequency Control with a droop which can be set as per 125MW/500MWh BESS System design capacity between the range specified for wind/solar generation sources (inverter-based) in the CEA (Technical Standards for Connectivity to the Grid) Regulations.
26	Rfs	7.2	The responsibility of getting connectivity with the transmission system of the STU shall entirely be of the BESSD and shall be at the cost of the BESSD, in line with applicable regulations. With such availability of transmission system being dynamic in nature, the Bidder has to ensure actual availability of power injection/evacuation capacity at an STU substation. The transmission of power up to the point of interconnection where metering is done for energy accounting, shall be the responsibility of the BESSD at its own cost. The maintenance of Transmission system up to the		Which type of connected line - T/l line or cable to be arranged? Please confirm. What shall be the distance from substation to BESS system land provided?	Bidders are encouraged to conduct site visits to examine these queries. The layout of BESS is in scope of BESSD.
27	Rfs	7.3	The arrangement of connectivity can be made by the BESSD through a transmission line upto the Interconnection Point. The entire cost of transmission including cost of construction of line, wheeling charges, SLDC/Scheduling charges, SOC, MOC, maintenance, losses etc. and any other charges from the Project up to and including at the Interconnection Point will be borne by the BESSD.		Please confirm that the interconnection infrastructure does not include the Bay construction. If bay is to be constructed by BESSD, pl share bay details such as AIS/GIS.	Please refer the RfS(Cl 6.1) , 110 bay is in BESSD Scope. One no 110kV Bay is available. The SubStation is AIS. Bidders are encouraged to conduct site visits to examine these queries.
28	Rfs	8.d (i)	The BESSD shall guarantee a minimum system availability of 95% on Annual basis for charging cycles.		The system availability is calculated every 15-minute time block for charging and discharging. Based on SECI Chhattisgarh's experience, Ramp up / Ramp down the BESS capacity takes min. 10 minutes. As is out of 96 blocks on a particular day we may start losing in the availability calculation. This is very important since BESS capacity sizing is done for min. 95% availability as per tender. We would be happy to assist SECI and KSEBL team over an online discussion with our Engineering and Operations team to understand this in more detailed manner.	The clause remains unchanged , the scheduling of charging / discharging will take into consideration the technical aspects, without compromising the system requirements.
29	Rfs	9 (a)	BESS shall be capable of operating in the frequency range 47.5 to 52 Hz and be able to deliver rated output both in charging and discharging mode in the frequency range of 49.5 Hz to 50.5 Hz.		Grid forming inverters in India are provided by very few vendors and currently it is not understood properly frequency operation exp. for addressing these operations.	The clause remains unchanged
30	Rfs	9 (f)	The BESS shall have the black start and intentional island control capability to extend start-up of a blackout system or to operate independently after formation of an island.		Can you provide more details on the specific black start requirements for the system? For instance, what is the expected timeframe within which the BESS should restore power to the grid or start-up other critical systems? What are the performance criteria for the BESS black start capability (e.g., voltage, frequency stabilization, duration of support)?	The clause remains unchanged
31	BESPA	10.1.4	Auxiliary Power		Auxiliary power can be tapped from the same s/s with a separate metering arrangement?. Please confirm	Dedicated 11kV Aux feeder shall be provided from the Mylatti Sub-Station itself for BESS Aux consumption.
32	Rfs	Section 7.7 & Annexure D	LD is applicable for Availaibility shortfall. Also DSM penalty is to be in scope of BESSD.		In case of BESS availability will be based on charging/discharging energy, hence DSM penalty and LD of BESS availability are duplication of penalties. Request to review the same.	As per RfS
33	Rfs	Section 8.1 C	The BESSD shall make the BESS available for 1 operational cycle per day, i.e. 1 Complete charge-discharge cycles per day subject to the Clause 4.4.1 of the BESPA. Provided that, KSEBL may, at its discretion, utilise the BESS upto 2 Operational cycles per day subject to the maximum of 40 Operational Cycles in a Calendar Month and maximum of 400 Operational Cycles in a Year.		The 400 Cycle /year may be completed in 10 to 12 months. Hence there may be long idle time perion of battery which may increase the degration. Please provide the maximum period of battery idle time for considering by BESSD for plant sizing.	The maximum period of battery idle time will be limited to 96 hours with an assured charge / discharge cycle of atleast 50% of Contracted Capacity.
34	Rfs	Section 8.1 C			Is there any partial discharge and charging to be considered? How do we consider cycles in case of partial charge and discharge scenarios.	One Cycle is {Charging-1Hour-Discharging-1Hour} , if the next charging period is initiated, it will be reckoned as next cycle. It may be noted that a charge/ discharge period may be upto 2 sessions.
35	Rfs	Section 6	Land identification and allocation for the Project will be under scope of KSEBL.		Land provided shall be dispute free and ready to use basis. Please confirm.	Bidders are encouraged to conduct site visits to examine these queries. The land identified is within the SubStation premises itself.

36		General			Please clarify the Scope of Construction of Bay and related Evacuation Infrastructure at the point of Interconnection. (at point of Mylatti Sub-Station end). Does the Bay and related infrastructure will be provided by KSEBL? Pl,ease clarify.	Bidders are encouraged to conduct site visits to examine these queries. Please refer the RfS(Cl 6.1) , 110 bay is in BESSD Scope.
37		General			Whether existing SAS system is available for integration of additional bay?	Bidders are encouraged to conduct site visits to examine these queries. Only SCADA system is implemented at the SubStation.
38		General			In existing RTU spare terminals are available for data transfer of this additional bay to SLDC?	Bidders are encouraged to conduct site visits to examine these queries. Spare RTU terminals are not available for data transfer of BESS to SLDC
39		General			Is there any space available in existing Main Control room for electrical panel for additional bay? OR control room extension possible?	Bidders are encouraged to conduct site visits to examine these queries. The BESSD is required to place all the Control & Relay panels and RTU required for Data Transfer at separate control room at BESS Premises. Independent RTU shall be provided by the developer and the SCADA Screen of BESS shall be shared to Mylatti Control room and SLDC in developers scope.
40		General			We can place Power transformer in place of existing GTR is substation and utlise it . Please confirm.	Bidders are encouraged to conduct site visits to examine these queries. The GTR may be shifted to the adjacent bay, Power Transformer may be placed there subject to foundation requirements
41		General			Busbar panel protection is there OR we have to provide.	Bidders are encouraged to conduct site visits to examine these queries. Busbar protection is provided in 220kV Bus at Mylatti SubStation. In 110kV Bus BusBar protection is not provided. The new protection CT to be installed in BESS bay should have provision to incorporate BusBar Protection
42	-	-	As per site visit , some trees and obstructions were still there in identified BESS area	Request KSEBA to provide land clear from all bushes, tress etc for further installation of BESS Project	Since land is in scope of KSEBL , hence the request to provide land free from any cumbersome	Bidders are encouraged to conduct site visits to examine these queries. Land clear of trees will be provided as per terms and conditions in RfS for installing the BESS
43	PPA	4.1.1.a	BESSD is responsible for land lease agreement. BESSD shall promptly comply with all the statutory / non-statutory, legal requirements including but not limited to signing of any agreement, payment of considerations etc. as per the offer made for the land	KSEBL shall be responsible for land lease agreement	Since land is in scope of KSEBL , hence the request to keep the responsibility of signing of land lease agreement , providing land free from any local issue should be KSEBL scope.	Bidders are encouraged to conduct site visits to examine these queries. Land will be provided on Lease / Right to Use basis for the specific purpose of installing the BESS.
44	RFS	6.6(b)	BESSD is required to construct the approach road separately for accessing the Project, without hindering the O&M activities of identified sub-stations	As per site conditions and as discussed with KSEBL, site has approach road available and there is no need for construction of separate approach road. Pls remove this clause.	Access to site available	The clause remains unchanged Bidders are encouraged to conduct site visits to examine these queries. Separate Access restricted entry to BESS premises has to be provided by the BESSD.
45				Pls share Geotech report, Topography report and load flow study report as mentioned during site visit.		The Soil test report and contour sketch is provided as Annexure
46				Pls confirm the SVG capacity available at 220/110/11KV Mylatty substation and also confirm at what power factor it is generally operated if at all required to be operated sometime.		Bidders are encouraged to conduct site visits to examine these queries. 25 MVAR Capacitor Bank is provided at 110kV Bus.
47				Any Existing tree shall be removed by KSEBL and approval for the same from forest department shall also be obtained by KSEBL if required. Pls confirm.		Bidders are encouraged to conduct site visits to examine these queries. Land clear of trees as per terms and consditions of RfS will be provided for installing the BESS
48	RFS	7.2	The responsibility of getting connectivity with the transmission system of the STU shall entirely be of the BESSD and shall be at the cost of the BESSD, in line with applicable regulations. With such availability of transmission system being dynamic in nature, the Bidder has to ensure actual availability of power injection/evacuation capacity at an STU substation.		Q1: On one side, there is restriction to choose STU S-Stn and on the other side, connectivity is the responsibility of bidder. SECI should either provide guarentee of connectivity at the prescribed S-Stn or let the bidder to choose and connect the BESS system with STU.	Bidders are encouraged to conduct site visits to examine these queries. Connectivity to 110kV BUS is assured at Mylatti SubStation as per the Commissioning Schedule specified in the RfS.
49	RFS	10	Delay in Commissioning on Account of Delay in readiness of STU evacuation infrastructure/Start Date of Connectivity		Q1: The delay in commissioning the STU substation may result in a possible deferment of the battery supply schedule. Please note that once the battery is manufactured, it must be connected to the grid as soon as possible. Any delay in this connection can lead to battery degradation due to the lack of charging power on site. Additionally, arranging an alternative source of charging power would incur extra costs for the BESS Developer (BESSD). Could you please clarify these points?	Bidders are encouraged to conduct site visits to examine these queries. Connectivity to 110kV BUS is assured at Mylatti SubStation as per the Commissioning Schedule specified in the RfS.
50	RFS	7.1	For interconnection with the grid and metering, the BESSD shall abide by all rules and regulations framed under the Electricity Act, 2003 including the applicable Grid Code, Grid Connectivity Standards, Regulations on Communication System for transmission of electricity and other Regulations/Procedures (as amended from time to time) issued by Appropriate Commissions and Central Electricity Authority (CEA).		Can developer shall use there own specification for Power transformer?	The clause remains unchanged
51	GENERAL QUERY				Since the selected Sub Station is GIS/AIS, whether any bus extension is also required for the same, as this will put additional financial burden on the developers.	Bidders are encouraged to conduct site visits to examine these queries.Please refer the RfS(Cl 6.1) , 110 bay is in BESSD Scope.
52	GENERAL QUERY				Q1: Please share the no of cycles to be utilised in each of use case as the battery life depends on the use case. Q2: Please share the timeline curve if any	As per RfS

53	GENERAL QUERY		BESSD shall procure performance guarantees from the OEM to ensure minimum performance levels for predefined application(s) as per the terms of the RfS. The Warranty shall clearly indicate life expectancy given discharge profiles provided for the application.		We request clarification on whether the BESS Developer (BESSD) is required to procure a warranty for performance parameters such as minimum dispatchable capacity and Round-Trip Efficiency (RTE). The BESSD is responsible for ensuring availability, as OEMs cannot provide a performance guarantee for this aspect. Additionally, please confirm that this warranty pertains solely to performance guarantees and not to product damage. In the event of product damage, the BESSD will address it at their discretion. Please confirm if this understanding is correct.	The clause remains unchanged The BESSD is required to meet the spcified Performance parameters as per the RfS.
54	GENERAL QUERY		BESS shall be capable of operating in the frequency range 47.5 to 52 Hz and be able to deliver rated output both in charging and discharging mode in the frequency range of 49.5 Hz to 50.5 Hz.		BESS shall be capable of operating in the frequency range 47.5 to 52 Hz .Kindly confirm the frequency range.	As per RfS
55	GENERAL QUERY				Metering Point :- Metering point will be at Sub station end or at the BESSD end for calculating the RTE.	The metering shall be at SubStation end at 110kV as per the RfS
56	GENERAL QUERY				Auxiliary Power Consumption of BESS Project :- As huge amount of the power will be consumed by BESS plant specially during Charging & discharging , So clarity on the Aux power may be provided whether this will be part of RTE or it can be claimed separately.	Dedicated 11kV Aux feeder shall be provided from the Mylatti Sub-Station itself for BESS Aux consumption. The Auxiliary Power consumption may also be drawn through a metered connection from the 110kV InterConnecting power Transformer of BESS, in which case the auxiliary power consumption will be accomodated in the RtE calculation as per the SLD of BESS.
57	GENERAL QUERY				Separate Electricity Connection for auxiliary Load :- For running lighting load and the auxiliary power of BESS Equipments, whether separate connection has to be taken for this or this power can be taken from 110 KV line by stepping down. And the metering arrangement for this Auxiliary transformer may be explained while calculating RTE.	Dedicated 11kV Aux feeder shall be provided from the Mylatti Sub-Station itself for BESS Aux consumption. The Auxiliary Power consumption may also be drawn through a metered connection from the 110kV InterConnecting power Transformer of BESS, in which case the auxiliary power consumption will be accomodated in the RtE calculation as per the SLD of BESS.
58	GENERAL QUERY				Charging will be done by conventional or Non-Conventional source of energy.	As per RfS. The BESS may be charged by any source of energy, including conventional energy sources
59	GENERAL QUERY				Aux power provided by SECI? Is 11KV or 415V?	Aa per RfS. Aux power will be provided by KSEBL at appropriate voltage depending on Aux Load requirement. The Line extension , panel , RMU and line extension charges for the purpose being in BESSD scope
60	GENERAL QUERY				Requested SECI to confirm Charging and Discharging Schedule with cycle in a day.	Charging and Discharging shall be as per Grid requirements at Sole discretion of KSEBL
61	GENERAL QUERY				Is potential charging is allowed after discharging	Charging and Discharging shall be as per Grid requirements at Sole discretion of KSEBL
62	GENERAL QUERY				Soil Test Report for the land with bore hole location and bore log data if any	Soil test report is uploaded as Annexure
63	GENERAL QUERY				Guidelines for all kind of civil works like boundary,buildings and wall,road etc.	As per CPWD specifications & procedures
64	GENERAL QUERY				Minimum Grade of concreate specification (RCC,PCC & all) if any	As per CPWD specifications & procedures
65	GENERAL QUERY				Kindly confirm the metering arrangement scope if any	As per RfS clause 7.5
66	RFS P- 12 of 136	7.2	7 Connectivity with the Grid 7.2 The responsibility of getting connectivity with the transmission system of the STU shall entirely be of the BESSD and shall be at the cost of the BESSD, in line with applicable regulations.	It is understood that connectivity is in bidder scope. We presume that Bank Guarantee against connectivity (if any) shall be submitted by SECI. Kindly confirm.		clause is self-explanatory. RfS provisions shall prevail.
67	RFS P- 16 of 136	8.1, d, iii, (a)	8 Performance Criteria of the Project 8.1 Project performance parameters d. Following provisions shall be applicable on the entire Project Capacity: iii. The BESSD shall guarantee a minimum AC to AC roundtrip efficiency (RtE) of 85%..... (a) For RtE<70%, there shall be a liquidated damage @ APPC tariff of previous financial year applicable to KSEBL levied upon the excess conversion losses, considering system RtE = 85% and tariff payment for the corresponding month	Under this clause (a), it seems that there are two LDs i.e. "@APPC tariff" & "tariff payment for corrosponding month shall not be made". Request to keep LD @APPC tariff & not impose additional LD of tariff payment shall not made for corrosponding month.		RfS provisions shall prevail.
68	RFS P- 19 of 136	8.2, i.	8.2 Shortfall in meeting Performance Criteria i. Shortfall in demonstrating minimum Availability: Subsequent to COD of full Project Capacity or the capacity finally accepted by SECI, in case the annual Availability demonstrated by the BESSD is less than the minimum as specified above, such shortfall in performance shall make the BESSD liable to pay the liquidated damages to SECI to SECI to enable SECI to remit the amount to KSEBL. Liquidated damages on account of shortfall in meeting the minimum Availability criteria as per Clause 8.1.d.i. will be	Bidder presume that LD mentioned here under Cl. No. 8.2, i. is one time & applicable if minimum Availiability demonstrations fails at the time subsequent to COD. Kindly confirm.		clause is self-explanatory.
69	RFS P- 21 of 136	10	10 Delay in Commissioning on Account of Delay in readiness of STU evacuation infrastructure/Start Date of Connectivity .....delays beyond the control of the BESSD and SCD for such Project shall be revised as the date as on 30 days subsequent to the readiness of the Delivery Point and power evacuation infrastructure and/or Start Date of Connectivity. Decision on requisite extension on account of the above factor shall be taken by SECI.	Apart from time extension, Suitable compensation shall be given to BESSD as this delay is beyond control of BESSD.		RfS provisions shall prevail.
70	RFS P- 26 of 136	18.1	18 Bank Guarantee/ Payment on Order Instrument (POI)/ Insurance Surety Bond against Earnest Money Deposit (EMD) 18.1 Earnest Money Deposit (EMD) of INR 3,41,000/ MWh(Rupees Three Lakhs and Forty-One Thousand only/MWh) per Project corresponding to the quoted capacity.....	Request to change EMD form INR 3,41,000/MWh to INR 2,00,000/MWh.		RfS provisions shall prevail.

71	RFS P- 28 of 136	19.1	19 Performance Bank Guarantee (PBG)/ Payment on Order Instrument (POI)/Insurance Surety Bond (ISB) 19.1 Bidders selected by SECI based on this RfS shall submit Performance Bank Guarantee (PBG) for a value @ INR 8,52,500/MWh(Rupees Eight Lakhs Fifty-Two Thousand and Five Hundred only/MWh)per Project.....	Request to change EMD form INR INR 8,52,500/MWh to INR 4,00,000/MWh.		RfS provisions shall prevail.
72	RFS P- 30 of 136	20.1 & 20.3	20 Success Charges & Payment Security Deposit 20.1 Success Charges: The Selected Bidder shall have to pay INR 1,00,000 / MWh (Rupees One Lakh/MWh) + GST,..... 20.3 Payment Security Deposit: Prior to declaration of commissioning of first part capacity of the Project, the BESSD shall furnish a Payment Security Deposit (PSD) @Rs. 5,00,000 / MWh (Rupees Five Lakh / MWh), to SECI through DD/NEFT/RTGS.	Already there will be huge investment to be made by BESSD. Therefore it is requested to not take these Success Charges & Payment Security Deposit from BESSD.		RfS provisions shall prevail.
73	RFS P- 31 of 136	20.3	20 Success Charges & Payment Security Deposit 20.3 Payment Security Deposit: Prior to declaration of commissioning of first part capacity of the Project, the BESSD shall furnish a Payment Security Deposit (PSD) @Rs. 5,00,000 / MWh (Rupees Five Lakh / MWh), to SECI through DD/NEFT/RTGS.	When "Payment Security Deposit" will be returned to BESSD?		Payment Security Deposit under this clause is non refundable.
74	BESPA 9 of 92	1.1	ARTICLE 1: DEFINITIONS AND INTERPRETATION 1.1 Definitions "Due Date" shall mean the forty-fifth (45th) day after a Monthly Bill…….	It is requested change the Due date period from 45 days to 30 days.		RfS provisions shall prevail.
75	BESPA 17 of 92	2.2.1	ARTICLE 2: TERM OF AGREEMENT 2.1 Effective Date 2.1.1 This Agreement shall come into effect from …….(Enter the date as on 90th day of the issuance of Letter of Award to the BESSD, or any further date, as applicable) and such date shall be referred to as the Effective Date.	In RFS, under Cl. No. 36.3 (P 45 of 136), effective date is mentioned as LOA + 30 days. Here in BESPA, under Cl. No. 2.2.1, effective date is LOA + 90 days. Kindly confirm which is to be considered?		suitable amendments are issued.
76	BESPA 47 of 92	10.3.5	10.3.5 Rebate a) A Rebate of 1.5% shall be payable to the SECI for the payments made within a period of 10 (ten) days of the presentation of hard copy of Bill. b) Any payments made after 10 Days upto and including the 30th Day after the date of presentation of Bill through hard copy, shall be allowed a rebate of 1 %.	It is requested change the Rebate % of 1.5% to 1% at Clause (a) & Remove Clause (b).		clause remains unchanged
77	RFS P- 48 of 136	37.4, b.	37.4…… b. Any Bidder (including an Indian Bidder) who has a Specified Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India will be eligible to participate in this RfS only if the Bidder is registered with the Competent Authority under the referred OM.	Bidder presume that bidder can Import Battery Cell OR Battery Module OR Battery Pack OR PCS OR complete BESS system from any country. Kindly confirm the bidder understanding is correct?		clause is self explainatory
78	RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024	4.1	….BESS Project for a total capacity of 125MW/500MWh…		• We have noted that capacity of BESS is 125 MW/ 500 MWH.However, is there any restriction on minimum rating (MW/MWH) of invidual banks or Number of banks to meet 125MW/500 MWH capacity? Though KSEB/ SECI has clarified that for discharging 500 MWH, KSEB would supply 588 MWH considering RTE as 85%. In case RTE is different, request KSEB to confirm that KSEB would supply energy for Charging at current RTE. For eg. if RTE is 80%, KSEB would supply 625 MWH (500 MW/80%)	RfS provisions shall prevail.
79	1. RfS No. SECI /C&P /IPP /15 /00018 /24-25 dated: 20.12.2024 2. Agreement (Right to Use)	6.5	After the expiry/ termination of BESPA, the entire land area allocated to the BESSD shall be returned to KSEBL in the same condition as it was allocated within 180 days of expiry/ termination of the BESPA. KSEB shall charge the applicable market price/ circle rate for the respective land parcel, as fixed by the concerned Revenue Authority, as part of penalty on the BESSD	Cl. 6.5 to be deleted	After the expiry of initial term of 12 years and/or extended term of 12+5 years, the bidder shall be allowed to operate the BESS in the land and connectivity granted to the bidder/ developer till the life of the BESS project. KSEB may charge the bidder/ developer the land lease as per the applicable market price/ for the respecive land parcel.	RfS provisions shall prevail.
80	1. RfS No. SECI /C&P /IPP /15 /00018 /24-25 dated: 20.12.2024	7	Connectivity with transmission system of the STU	Cl. 6.5 to be deleted	As it is the responsibility of the developer to apply for connectivity with the STU, KSEB shall allow the connectivity granted to the BESS Project developer even after the expiry of initial term of 12 year and/or extended term, till the life of the BESS project.	RfS provisions shall prevail.
81	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024	15	…..However, the selection of Project would be technology agnostic…..		Though the RFS says technology agnostic. All the parameters point out to Li-Ion/ LFP. However, the parameters like degradation, lifetime, Depth of Discharge, fire safe, etc.. are better in Flow Battery technology. It is requested that parameters of Flow Battery should also be considered.	
82	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024	20.3	Prior to declaration of commissioning of first part capacity of the Project, the BESSD shall furnish a Payment Security Deposit (PSD) @Rs. 5,00,000 / MWh (Rupees Five Lakh / MWh),	It is requested to delete this clause or at least consider this to be refundable deposit	Payment security Fund has to be provided to the BESSD by either the Procurer or Intermediary Procurer. As SECI is the Intermediary Procurer, relevant Payment Security Fund shall be collected from the End Procurer (KSEB). Mandating the Developer to deposit Payment Security Fund, more so non-refundable, as payment security mechanism as payment to itself defies logic. Accordingly, this requirement ought to be dispensed with.	RfS provisions shall prevail.
83	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024	22.3	….Any extension of the BESPA period beyond the term of the BESPA shall be through mutual agreement between the BESSD, KSEBL…		what if mutual consent is not arrived either extension or Tariff during extension ? Bidder shall be given opportunity to operate in same location till service Life of BESS.	RfS/BESPA provisions shall prevail.
84	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024 2. SLD & Map Location	22.3			•What will be disposal/reuse of BESS after agreement period	As per RfS, safe disposal of unit batteries from BESS is responsibility of the BESSD
85	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024	38.1	"it is proposed to promote only commercially established and operational technologies to minimize the technology risk and to achieve timely commissioning of the Project.".		Kindly elaborate this clause (applicability to new technologies)	Any Battery chemistry is eligible, subject to the Project meeting the performance criteria. For experience criteria, please refer to the Section titled Qualification Requirements in the RfS

86	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024	42.3	... The tariff(s) has to be quoted in Indian Rupee per MW per month ….		It is requested SECI/ KSEB to clarify how different technologies with different performance parameters (RTE and Degradation) would be evaluated to bring all bids to a same platform and provide formula for the same. Applicability of same RtE for different technologies	RfS provisions shall prevail.
87	1. RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024 2. BESPA	9.1 of BESPA	The BESSD shall be entitled to receive the Tariff of INR_____/MW/Month, fixed for the entire term of this Agreement, with effect from the SCD, the Contracted Capacity made available to KSEBL, the Buying Entity during BESPA Period, as per the provision of this agreement		Request KSEB/ SECI to confirm that Tariff/ Capacity Charges to be paid by KSEB/ SECI to the BESSD would be for the entire Contracted Capacity, irrespective of the allowed capacity degradation for any year. i.e Monthly Payment to bidder for any year shall be = (125 MW X Tariff in Rs/MW/Month - Penalties, if any)	RfS/BESPA provisions shall prevail.
88		Format 7.11	Integrity Pact		Signed by SECI. Do we need to use the same (hand filled) and signed by Us ?	Yes, Duly signed copy by the bidder has to be submitted along with the bid.
89		format 7.2	Power of attorney		Given format is applicable for consortium of companies. Company which is bidding independently, is board resolution is sifiicienct for Authorized signatory.	Power of attorney is not applicable for single bidders.
90	RfS	Clause 8.1 (c)	The BESSD shall make the BESS available for 1 operational cycle per day, i.e. 1 Complete charge-discharge cycles per day subject to the Clause 4.4.1 of the BESPA. Provided that, KSEBL may, at its discretion, utilise the BESS upto *2 Operational cycles per day subject to the maximum of 40 Operational Cycles in a Calendar Month and maximum of 400 Operational Cycles in a Year. Also provided that KSEBL, at its discretion, can split the discharge of the stored energy into one or two sessions, but not more than two. The*	The BESSD shall make the BESS available for 1 operational cycle per day, i.e. 1 Complete charge-discharge cycles per day . Also, KSEBL shall ensure that no charging shall occur within the discharge period/cycle.	Our Following obseravtion/Submission is there w.r.t clause and hence may be clarified at your end: 1. Two (2) operational cycles (4Hrs each Charging/Discharging) per day with stretching up to 8 hours when discharging at below the rated power and 10 hours when charging at below rated power seems unpractical. 2. Weather, partial charging/discharging will be considered as 1 operational cycle. Clarity of exactly defining the operational cycle in a day is not there in the clause. Please define the operational Cycle per day. The life and warranty shall be affected in case of Charging is scheduled within discharging period. 3. If 40 Operational Cycles in a month and maximum 400 Cycle in a year are consumed in a single go, remaining 10 days of unused BESS system (monthly) or last two months of unused BESS System (yearly)will lead to oversizing of the BESS system and subsequently, will increase the tariff	it is clarified that the maximum period of battery idle time will be limited to 96 hours with an assured charge / discharge cycle of atleast 50% of Contracted Capacity.Therefore, clause remains unchanged.
91	RfS	Clause 8.1 (d), v	.....In any case, the BESS shall be capable of being discharged at reduced power levels from that specified above The BESSD is required to meet the annual energy commitment subject to Clause (iv) above. *The BESSD shall be liable for Liquidated Damages to the off-taker, if any, on account of short fall in supply of committed energy at the Average Market Clearing Price (MCP) in peak hour (18:30Hrs-22:30Hrs) in Day Ahead Market (DAM) of Power Exchange for corresponding billing month period.*	.....In any case, the BESS shall be capable of being discharged at reduced power levels from that specified above The BESSD is required to meet the annual energy commitment subject to Clause (iv) above. ~~*The BESSD shall be liable for Liquidated Damages to the off-taker, if any, on account of short fall in supply of committed energy at the Average Market Clearing Price (MCP) in peak hour (18:30Hrs-22:30Hrs) in Day Ahead Market (DAM) of Power Exchange for corresponding billing month period.*~~	Tender already imposes LD on the annual availability below 95% on account of short fall in supply of committed energy. Further, as per clause mentioned, the BESSD shall be liable again for LD to the off-taker on shortfall in committed energy, which is kind of duplication of LD and the same is already being imposed to BESSD while not meeting the annual availability.	the clause remains unchanged
92	PPA	Clause 2.1.1	This Agreement shall come into effect from …….(Enter the date as on 90th day of the issuance of Letter of Award to the BESSD, or any further date, as applicable) and such date shall be referred to as the Effective Date. Notwithstanding the Effective Date, the condition precedent for the enforcement of the obligations of either party against the other *under this Agreement shall be that, within 120 days after the Effective Date of the BESPA, SECI and/or the Buying Entity(ies) shall obtain adoption of tariff from*	This Agreement shall come into effect from …….(*enter a date on which KSERC would adopt the tariff) and such date shall be referred to as the Effective Date.*	As SECI/Buying Entity is Obligated to obtain approval from Commission within 120 days from Effective date, we request you to start obligation of BESSD post adoption of tariff by KSERC as it may create finanical implication on BESSD if KSERC would not grant approval for the adoption of tariff and BESSD has already started deploying resources to develope the project from Effective date.	clause remains unchanged
93	PPA	Clause 4.4.1	….....For example, during the 3rd Year after COD, the energy scheduled for discharge from 125 MW capacity shall be more than or equal to 125 x 0.95 x 4 =475 MWh.	….....For example, during the 3rd Year after COD, the energy scheduled for discharge from 125 MW capacity shall be more than or equal to *125 x 0.925 x 4 =462.5 MWh and less than or equal to 125 x 0.95 x 4 =475 MWh*		clause remains unchanged
94	PPA	Clause 10.5.2	If the SECI disputes the amount payable under a Monthly Bill or a Supplementary Bill, as the case may be, it shall pay 50% of the invoice amount and it shall within thirty (30) days of receiving such Bill, issue a notice (the "Bill Dispute Notice") to the invoicing Party setting out:	If the SECI disputes the amount payable under a Monthly Bill or a Supplementary Bill, as the case may be, it shall pay *50% of the invoice or undisputed amount, whichever is higher and it shall within thirty (30) days of receiving such Bill, issue a notice (the "Bill Dispute Notice") to the invoicing Party setting out:*	Our request is in line with the std. SECI tenders issued in the past on different technologies. In case of monthly invoice of 100 Rs.,lets say dispute is of 20 rs., then BESSD is entitiled to receive 80 Rs. But because of this provision we would eligible to receive only 50 Rs.	clause remains unchanged
95	PPA	Clause 10.5.7	For the avoidance of doubt, it is clarified the despite a Dispute regarding an invoice, SECI shall, without prejudice to its right to Dispute, be under an obligation to make payment of 50% of the invoice amount in the Monthly Bill.	For the avoidance of doubt, it is clarified the despite a Dispute regarding an invoice, SECI shall, without prejudice to its right to Dispute, be under an obligation to make payment of *50% of the invoice amount or undisputed amount, whichever is higher in the Monthly Bill.*		clause remains unchanged
96	PPA	Clause 12.1.1	In this Article 12, the term Change in Law shall refer to the occurrence of any of the following events pertaining to this Project only after ____ [Enter the date of e-Reverse Auction (e-RA) conducted under the referred RfS], which have a direct effect on the Project, leading to corresponding changes in the cost requiring change in tariff, and includes:	In this Article 12, the term Change in Law shall refer to the occurrence of any of the following events pertaining to this Project only after ____ [Enter the date of late of bid submission as referred in RfS], which have a direct effect on the Project, leading to corresponding changes in the cost requiring change in tariff, and includes:	Please refere Clause J (1) of MoP "Guidelines for Procurement and Utilization of Battery Energy Storage Systems as part of Generation, Transmission and Distribution assets, along with Ancillary Services" vide Resolution dated 10th March 2022 Relevant extract of clause as below: "*In these Guidelines, the term 'Change in Law' shall refer to the occurrence of any of the following events after the last date of the bid submission, which have a direct effect on the Project, leading*	clause remains unchanged
97	PPA	Clause 12.1.1 (iii)	Any event occurring after the SCD/extended SCD, which would not have affected the Project had the Project been commissioned before the SCD/extended SCD.	If possible Request to please clarify this with illustration Further, Can we raise claim under CIL for capacity which is uncomissioned by SCD/extended SCD but the expenditure related to equipments to complete the uncommissioned capacity has been already incurred by SCD/extended SCD?		clause is self explainatory
98	RFS	4.3	it is to be noted that, at the time of commissioning, rated capacity of the BESS (Power and Energy) to be installed as indicated in the BESPA, will be verified.	it is to be noted that, at the time of commissioning, rated capacity of the BESS (Power and Energy) to be made available at POI ~~installed~~ as indicated in the BESPA, will be verified.	Clarity required in terms of installed capacity and POI capacity. Please clarify which of the following two conditions will be considered for verification at the time of commissioning : 1. 125MW/500MWh name-plate capacity of the BESS shall be verified, or 2. 125MW/500MWh Energy shall be verified at POI. As per Schedule B of BESPA: Power rating of a 500 MWh (125 MW x 4 hrs) BESS will be 500 MW, i.e., the maximum value of the active Output and Input Power at the Delivery Point. The Energy rating of 500 MWh of the system will be the dispatchable capacity at COD of the system, as	clause remains unchanged
99	RFS	8 c	KSEBL may, at its discretion, utilise the BESS up to 2 Operational cycles per day subject to the maximum of 40 Operational Cycles in a Calendar Month and maximum of 400 Operational Cycles in a Year. Also provided that KSEBL, at its discretion, can split the discharge of the stored energy into one or two sessions, but not more than two. The discharge may also be performed at below the rated power, stretching up to 8 Hours.	40 Operational Cycles/Day and max. 400 Cycles/year result in complexities of system design and aux requirement, which will unnecessary result in increased cost. Hence requested to restrict for either : a. 1 Cycle/Day of Operation, Max. 365 Cycles/Year, or b. 2 Cycles/Day of Operation, Max. 730 Cycles/Year	Requested to remove the condition of maximum 40 Operational cycles in a month and max 400 Operational cycles in a year to bring clarity in terms of Aux. consumption and operations.	clause remains unchanged
100	SPECIAL CONDITIONS OF CONTRACT	4.1	Selection of a BESS Project for a total capacity of 125MW/500MWh will be carried out through e-bidding followed by e-Reverse Auction process.	Request to include the clause for minimum bid size of 50MW with multiples of 25MW		clause remains unchanged

101	Viability Gap Funding Mechanism	12 f	Bank guarantee: The 1st tranche of VGF will be disbursed only after submission of Bank Guarantee (BG) for 100% of the total VGF amount to SECI by the BESSD. This BG is in addition to the Performance Bank Guarantee provided by the developer as per clause 19 of this RfS. Upon achieving COD of the Project, the 2nd tranche of VGF shall be released. The BG will be retained by SECI for a period commencing from the	As per VGF disbursement schedule. 100% of VGF will be disbursed upon completion of 3rd year after COD. So, entire VGF will be disbursed in 3 years duration,Whereas BG against VGF is required for 5 years Request to reduce the BG Validity for 3 Years		clause remains unchanged
102	Payment Security Deposit	20.3	Prior to declaration of commissioning of first part capacity of the Project, the BESSD shall furnish a Payment Security Deposit (PSD) @Rs. 5,00,000 / MWh (Rupees Five Lakh / MWh),	Request to Delete the Clause or provide relaxation, subsequently it will increase the Project Cost.		clause remains unchanged
103	Financial Closure	23.1	The Projects shall achieve Financial Closure within the date as on 9 months after the Effective Date of the BESPA	The Projects shall achieve Financial Closure within the date as on 12 months after the Effective Date of the BESPA		clause remains unchanged
104	Financial Eligibility Criteria	39.1	The Net Worth of the Bidder should be equal to or greater than INR 34,10,000/MWh (Rupees Thirty-Four Lakhs and Ten Thousand /MWh) of the quoted capacity(in MWh)	1) Request to reduce the amount should be equal to or greater than INR 20,00,000/MWh		clause remains unchanged
105	General Query	-	-	Please confirm the approximate distance between substations and identified land. So that we can calculate the length of TL & its associated cost		clause remains unchangsd
106	Rfs	8.1 (ii)	During the 3rd Year after COD, the Minimum energy scheduled for discharge from 125 MW/500 MWh capacity shall be more than or equal to 125 x0.95x4 = 475 MWh		In calculation, instead of 0.95 it should be 0.925. Pl confirm.	clause remains unchanged
107	Rfs	Section 9.2C	Project shall be encashed on per-day-basis and proportionate to the balance capacity not commissioned.		The PBG will be calculated based on MW or MWH balance capacity. Please confirm.	clause 3.3.1 of RfS is self explainatory
108	BESPA	2.1.1 & 2.1.3	This Agreement shall come into effect from 90th day of the issuance of Letter of Award to the BESSD which is effective date. within 120 days after the Effective Date of the BESPA, SECI and/or the Buying Entity(ies) shall obtain adoption of tariff from KSERC	PPA shall start from tariff adoption date	Developer will be at risk of tariff Approval decision from KSERC for 1st 4 months from effective date , thereby will be unable to start any expenses at site. This will effectively reduce the construction time allotted.	Clause remains unchanged
109	RFS	8.1.c	The BESSD shall make the BESS available for 1 operational cycle per day. KSEBL may, at its discretion, utilise the BESS to a maximum of 400 Operational Cycles in a Year.	Request PPA period to be mentioned as 17 years as confirmed by SECI & KSEBL.	Battery can give typically 800 cycles in a year	clause remains unchanged
110	RFP	11	In case of early commissioning and offtake of capacity by SECI, the BESSD shall arrange for any augmentation of the Battery capacity to meet the capacity criteria mentioned at the time of SCD (i.e. Dispatchable capacity as on SCD shall be 100% of the Contracted Capacity)	In case of early commissioning of full capacity by BESSD on any prior date to the SCD. The PPA start date shall commence on the date of actual commissioning date	in case of early commissioning , battery charge discharge starts which leads to degradation of the battery. Hence if we wait till SCD date for PPA period to kickstart , battery specifications shall be diluted proportionately.	In case of early commissioning of Part or Full capacity, as specified in the RfS, KSEBL will off take the capacity commissioned.
111	PPA	4.1.1.b	The BESSD shall be solely responsible and make arrangements for associated infrastructure for development of the Project and for Connectivity with the STU till Delivery Point for confirming the evacuation of power by the Scheduled Commissioning date and all clearances related thereto.	BESSD shall be responsible for connectivity with liasioning support from SECI & KESEBL to get the connectivity on time If battery is ready for commissioning but connectivity is not granted in that case suitable relaxation in degradation criteria for battery shall be provided.	Since connectivity to be applied post LOA , this need to be expedited through SECI & KSEBL support to avoid any delay in commissioning. However the application for connectivity shall be done by BESSD.	clause remains unchanged
112	PPA	4.4.2.a	If the maximum permissible un availability of 5% is reached during part of a year, the Monthly Capacity Charge for Subsequent months will be paid only after deducting the penalty for Un availability	it is maximum permissible "Annual" unavailability of 5%. Word annual should be added here.	since Minimum Annual Average Availability of 95% to be ensured as per tender's clause . It automatically means annual criteria.	clause remains unchanged
113	RFS	8.1d(iv)	Taking into consideration capacity degradation, the minimum Dispatchable energy to be made available by the BESSD at the end of a given year shall be as follows:		Please provide some tolerance for variance w.r.t. the degradation pattern, as for a period of 12 years large chances are there for unanticiapated and unforseen events	clause remains unchanged
114	RFS	8.1d(iii)	The BESSD shall guarantee a minimum AC to AC roundtrip efficiency (RtE) of 85% for the system on monthly basis. The BESSD shall be liable for Liquidated Damages to the off-taker, if any, on account of excess conversion losses, based on the following conditions: (a) For RtE<70%, there shall be a liquidated damage @ APPC tariff of previous financial year applicable to KSEBL levied upon the excess conversion losses, considering system RtE = 85% and tariff payment for the corresponding month shall not be made to the BESSD;		As we observed, the current tender requirements call for an Annual RTE of >85%, throughout the 12 years operational period. Tata Power has recently commissioned the largest BESS plant in the SECI project with a capacity of 500MWhr at a single location. Based on our experience in BESS & our discussions with various OEM's, we would have the following obbservations to make - 1. Considering the important electrical characteristics (discharge efficiency, charge efficiency, cycles, losses, etc) of cells available in the market achieving a 85% RTE in operations is quite difficult. Even if the developer claims to achieve it but factor in the LD Charges would go against the spirit of this project. Hence, our request to SECI would be to consider reducing the min RTE requirements to 83% which is practically achievable during operations	clause remains unchanged
115	RFS	12.(e)	The VGF for the project shall be disbursed to SECI, once SECI certifies the achievement of the disbursement schedule milestone and submission of the required Bank Guarantee by BESSD. SECI shall disburse the tranche wise VGF to BESSD only after receipt of the same from the Govt. of India and Submission of BG by BESSD as per Clause 12.f.	The VGF for the project shall be disbursed to SECI, once SECI certifies the achievement of the disbursement schedule milestone and submission of the required Bank Guarantee by BESSD. SECI shall disburse the tranche wise VGF to BESSD only after receipt of the same from the Govt. of India and Submission of BG by BESSD as per Clause 12.f.	We appreciate the inclsion of VGF for this project as it would further optimize the tariffs, however, BESSD is not directly involved in the VGF Funding process hence it creates uncertainity of cashflows which is outside the scope of BESSD. To bring more comfort to the developers, we request SECI to consider disbursing the grant as soon as the certificate of Milestone from SECI is issued.	clause remains unchanged
116	RFS	12.(f)	Bank guarantee: The 1st tranche of VGF will be disbursed only after submission of Bank Guarantee (BG) for 100% of the total VGF amount to SECI by the BESSD. This BG is in addition to the Performance Bank Guarantee provided by the developer as per clause 19 of this RfS. Upon achieving COD of the Project, the 2nd tranche of VGF shall be released. The BG will be retained by SECI for a period commencing from the disbursement of first tranche of VGF and will be returned after the end of 5 years from COD, taking into account recovery of VGF, if any.		submitted at the time of SCOD whereas the grant disbursment gets delay due to possible procedural issues or any other unforseen challenges. This would create additional liability for the Developer w.r.t. the Submitted BGs to SECI. Hence to remove any uncertainity in disbursing the VGF, we request SECI to - Kindly provide time-bound schedule for the disbursement of the Grant from individual Milestones provided in the tender along with remedy for delays in the same. - We suggest SECI to shift the timelines for submitting the BG against VGF only after the payment order is issued for 1st tranche of VGF by the SECI.	clause remains unchanged
117	RFS	4.3	For a specified Contracted Capacity, any oversizing of the BESS over the minimum rated Energy capacities required under this RfS is left to the discretion of the BESSD. However, it is to be noted that, at the time of commissioning, rated capacity of the BESS (Power and Energy)to be installed as indicated in the BESPA, will be verified.		Q1: Please confirm whether oversize capacity available based on verification will be eligible for additional contracted capacity under the present bid.	No, clause se self explanatory.

118	RFS	42.3	The Bidder including its Parent, Affiliate or Ultimate Parent or any Group Company will have to submit a single bid (single application) quoting a single tariff (capacity charges) in Indian Rupee per MW per month for each applied project. The tariff(s) has to be quoted in Indian Rupee per MW per month in whole numbers only (no decimal places allowed). If it is quoted with any decimal places, the digits in the decimal places shall be ignored. Maximum permissible limit to be quoted as capacity charges shall be within INR 6,00,000.00/MW/month		Regarding the tariff cap specified in the Request for Selection (RfS) document, the tariff is capped at ₹6,00,000 per MW per month. After a thorough analysis and considering the financial and operational aspects of the projects, we believe that this cap may limit the feasibility and competitiveness of the bid. Therefore, we respectfully request that the cap be either raised or removed to allow for more flexibility in our tariff quotation. By raising or removing the tariff cap, we can ensure that our bid more accurately reflects the true costs and potential value of the projects, thereby fostering a more competitive and viable bidding	clause remains unchanged
119	RFS	10(iii)	The delay in Start Date of Connectivity/readiness of the STU substation at the Delivery Point, including readiness of the power evacuation and transmission infrastructure of the STU network, is a factor attributable to the STU/transmission licensee and is beyond the control of the BESSD;		We request that compensatory payment of full rate should also be piad by SEIC in addition to extension of time as all interest and other costs have already been incurred by the BESSD. We need to pay our lenders so as to meet our contractual liabilities.	clause remains unchanged
120	RFS	12 (f)	Bank Guarantee: The 1st tranche of VGF will be disbursed only after submission of Bank Guarantee (BG) for 100% of the total VGF amount to the SECI by the BESSD.		Kindly revise the BG requirement for VGF disbursement as BG value corresponding to VGF value of that particular tranche (rather than entire VGF amount) and validity till 5th year from COD.	clause remains unchanged
121	GENERAL QUERY		The 1st tranche of VGF will be disbursed only after submission of Bank Guarantee (BG) for 100% of the total VGF amount to SECI by the BESSD. This BG is in addition to the Performance Bank Guarantee provided by the developer as per clause 19 of this RfS. Upon achieving COD of the Project, the 2nd tranche of VGF shall be released. The BG will be retained by SECI for a period commencing from the disbursement of first tranche of VGF and will be returned after the end of 5 years from COD, taking into account recovery of VGF, if any. Page 24, Cl.-12 (f)		We hereby request to waive of BG for VGF disbursement as this will put developers an extra financial burden and will affect the tariff also.	clause remains unchanged
122	GENERAL QUERY		Viability Gap Funding is financial support of up to 40% of capital cost for BESS to be provided by the Central Government to BESSD through BIA. The VGF shall be a non-recurring expenditure and shall be fully funded from central grant. VGF amount eligible for BESS Developer is limited to the amount calculated @Rs. 73,00,000/MWh (Rupees Seventy three Lakhs per MWh) or upto 40% of the capital cost of the Project Capacity awarded whichever is lower		we request that BG should be valid for 2 years and not 5 years, pls accept	clause remains unchanged
123	BESPA	Article 10 Point 10.8.5	10.8.5 The VGF shall be disbursed to BESSD through SECI on certification of the achievement of the disbursement schedule milestone and submission of the required Bank Guarantee by BESSD to SECI. VGF shall be disbursed by SECI to BESSD only after receipt of same from the Government of India.		If there is delay in receipt of VGF amount from Government of India, which BESSD is not resposible for, then BESSD should not suffer commercially. Hence upon certification of achievement of disbursement schedule milestone if the VGF is not received by BESSD within 30 days, then BESSD shall be given interest @ SBI-MCLR (1Year) plus five percent, as existing on the date of disbursement	clause remains unchanged
124	PPA	3.1.iii	Detailed Project Report (DPR) of the Project, detailing out project configuration and proposed commissioning schedule of the Project.		Kindly please provide if any additional details other than the following are to be provided in the DPR: 1) Project configuration 2) Proposed commissioning Schedule	The DPR shall include technical, financial, and operational details that are crucial for decision-making and project execution.
125	PPA	4.7.1	Prior to synchronization of the Project, the BESSD shall be required to get the Project certified for the requisite test including for safety as may be laid down by Central Electricity Authority or an agency identified by the central government to carry out testing and certification for the Battery Energy Storage projects		Request you to remove the clause of acceptance/perfomance test otherwise if once certified no subsequent penalties to be levied for the project due to further inefficincies or sub par perfomance.	clause remains unchanged

Note: All the queries received from various prospective bidders have been scrutinized and have been tried to be answered comprehensively. In case of any query not published here and is not covered under the Amendments issued to the RfS, it shall be construed in such cases, tender conditions shall prevail