

SOLAR ENERGY CORPORATION OF INDIA LIMITED						
New Delhi						
No. SECI/C&P/OP/11/0003/26-27/Clarification-01						Dated: 10.09.2026
(RfS title) : Clarifications to the queries on the RfS (RfS No. SECI/C&P/OP/11/0003/26-27)						
S. No.	Documents	Clause No.	Existing Clause	Proposed Modifications	Rationale	SECI's response
1	Technical package - 2: Sub-Section C: General Annexure E:	3.7.1 b)	Contractor shall install a wind mast at a distance between 2D-4D (D is rotor diameter of Test WTG)	2D-2.5D	The PC procedure stating both NIWE and IEC Method. For IEC method 2D-4D and 2.5D is recommended and NIWE method it is 2D-2.5D.	Tender provisions shall Prevail.
2	Technical package - 2: Sub-Section C: General Annexure E:	3.7.1 b)	MEASNET accredited organization		Measnet certified agency performs PC Test as per IEC method only.	Tender provisions shall Prevail.
3	Technical package - 2: Sub-Section C: General Annexure E:	3.7.1 c)	Metering arrangement CTs duly calibrated shall be provided at LCS.	CTs duly calibrated shall be installed at the LV side of the Transformer.	For IEC method PC Test Energymeter is not required.	Accepted.
4	Technical package - 2: Sub-Section C: General Annexure E:	3.7.1 c)	energy meter to be used for the testing should be provided in advance before conducting the test		For IEC method PC Test Energymeter is not required.	Tender provisions shall Prevail.
5	Technical package - 2: Sub-Section C: General Annexure E:	3.7.1 c)	Accuracy class of all the measuring equipment shall be 0.5 or better	0.2 or better	as per IEC 61400-12-1 Ed2 2017	Tender provisions shall Prevail.
6	Technical package - 2: Sub-Section C: General Annexure E:	3.7.1 d)	The Test shall be conducted during first high wind season after completion of stabilization period of 60 days from the commissioning	The Test shall be conducted during first high wind season (June to August) after completion of stabilization period of 60 days from the commissioning		Tender provisions shall Prevail.
7	Technical package - 2: Sub-Section C: General Annexure E:	3.7.1 f)	All the uncertainties of calculation shall be based on the IEC-61400-12-1	All the uncertainties of calculation shall be based on the IEC 61400-12-1 Ed2 2017		Please refer the Ammendment_1.
8	Technical package - 2: Sub-Section C: General Annexure E:	3.7.1 g)	If VPC is greater than or equal to 98% then the Power Curve Guarantee Test is considered to be passed.	All the uncertainties of calculation shall be based on the IEC 61400-12-1 Ed2 2017	98% including uncertainties calculation based on the IEC-61400-12-1 Ed2 2017	Please refer the Ammendment_1.
9	Technical Package 2: Page No.: 4	Section – VII: Contents & Disclaimer Page 4 of 4 CL 7	7. Any equipment, material, component, accessory, software, firmware, interface device, communication system, protection system, hardware, civil works item, structural component, or service not specifically mentioned but required for successful completion, grid synchronization, statutory compliance, SCADA integration, performance demonstration, reliability, maintainability, and guaranteed operation of the Wind Power Project shall be deemed to be included within the scope of the Bidder without any additional cost implication to the Employer.	Compliance to applicable regulations shall be adhered as on contract signature date; any new regulation or amendment post contract signature shall be deemed as change in law and based on feasibility complied at additional cost and leadtime onto customer	Changes after signing of contract are not known	Tender provisions shall Prevail.
10	Technical Package 2	Sub-Section A: Scope of Works Page 4 of 19	Metering Point TVM Meter at the dedicated Incomers of the 33 kV Pooling Switchgear located at the Pooling Sub-Station		TVM meters for 3 incomers at PSS 33kv side to be considered. Need clarification on its requirement, specification and its indoor/outdoor location etc.	Required metering arrangement will be provided by the Solar + BESS Contractor. Please refer the Ammendment_1.
11	Technical Package 2	Sub-Section A: Scope of Works Page 5 of 19	De-Rated Capacity of WTG to be Considered at Temperature +40°C (As per CEA)		We understand that operating temperature is 40DegC accordingly PQ capabilities of the WTG can be offered. Please confirm.	Please refer the Ammendment_1.
12	Technical Package 2	Sub-Section A: Scope of Works Page 6 of 19 CL 3.4	Design, engineering, manufacture and supply at site of Grid interfacing equipment including transformers, HT lines, panels, kiosks, protection equipment, metering, communication and SCADA interface equipment for evacuation of power from the wind power plant to the interfacing point.		Kindly share the need and location of Kiosks, protection equipment, metering, communication	Kiosks: Not required if not needed. Kiosk, Protection Equipment, Metering & Communication: As required within the scope of Wind Contract.
13	Technical Package 2	Sub-Section A: Scope of Works Page 7 of 19 SI#4	4.Design, Supply, Installation, Testing & Commissioning of Unit Sub-Station (WTG transformer, SPSS, etc.). Design, Supply & Erection Foundation of the Unit Sub-Station		As per the Bidder design, the WTG transformer and MV switchgear are located inside the WTG and are designed for indoor installation. These equipment shall not be installed at unit substation	Accepted.
14	Technical Package 2	Sub-Section A: Scope of Works Page 8 of 19 SI#7	7.Design, Supply & Installation/Erection of Data Acquisition System upto the project SCADA system.		Bidder understanding is only design,supply of WTG level SCADA system in bidder scope , slave PPC & intergration support for WTG SCADA system with master PPC supplied by Solar+BESS package, pls. confirm	Please refer the Ammendment_1.
15	Technical Package 2	Sub-Section B: TS-Electrical Page 10 of 45 CL 7	Power Panel 7.1 For each turbine a switchboard is to be installed within the space of tower. The switchboard must include all power distribution for the turbine and the cabin, protection systems, soft start, capacitor control (as applicable) etc.		Bidder WTG has Cabinet at Nacelle and Tower for Power and control function	Accepted.
16	Section-VII, Sub-Section B (TS-Electrical) - Technical	Clause 10.14	Auxiliary power requirement for contactor/relays/control electronics etc. shall be met through a UPS. Minimum backup period for UPS shall be half (1/2) hour.	Request to clarify if a 2 minute UPS backup (standard OEM design for most WTG control systems) is acceptable, in lieu of the stipulated 30-minute backup.	30-minute UPS backup requires a non-standard, oversized battery bank; most WTG OEMs offer 2 minute backup as standard design for ride-through of momentary auxiliary supply loss. Bidder request rational for half an hour back up requirement	Tender provisions shall Prevail.
17	Technical Package 2	Sub-Section B: TS-Electrical Page 17 of 45 CL 13	Stage I / Class B, single spark gap		Bidder WTG has SPDs based on IEC 60076-11:2018	IEC 60076-11:2018 pertains to dry-type transformers and is not the applicable product standard for SPDs. Tender provisions shall Prevail.

18	Technical Package 2	Sub-Section B: TS-Electrical Page 26 of 45 CL 17	17.4 Supply of power plant controllers (PPC) and development of entire energy plant (Solar + BESS + Wind) model in PSS/E & PSCAD software as per CTU/STU (as applicable) are in the scope of the Solar + BESS Contractor. Detail control logic in the PPC shall be finalized during detail engineering and same shall be in line with the above regulation requirements. CMCS/ SCADA and PPC network shall be suitably designed, so that PPC shall directly and independently able to control the individual WTG for active and reactive control.		Wind PPC directly and independently able to control the WTG Master PPC (Solar+BESS+wind) will control wind PPC active power/reactive power /voltage (read/write)	Accepted. Please refer the Ammendment_1.										
19	Technical_package -2	Sub-Section A: Scope of Works Page 16 of 19 CL 7.3	Access Infra-Structure: Contractor shall assess suitability of internal roads w.r.t.requirement and arrange construction/ strengthening as desired and also check suitability of land around each WTG for placement of crane, etc.	Kindly provide the available access road layout/drawings, if available, indicating existing road alignment, width, and condition.	The information is required to assess the adequacy of the existing road network for transportation of WTG components, estimate the extent of road strengthening works, and prepare an accurate bid.	Please refer the Ammendment_1.										
20	Technical_package -2	SA_LAYOUT	<table><tr><td>FOOT-PRINT_9</td><td>77.0571 E</td><td>15.88755 N</td><td>396-1, 395-1</td><td>5.97</td></tr></table>	FOOT-PRINT_9	77.0571 E	15.88755 N	396-1, 395-1	5.97	In the submitted SA Layout, Location No. 9 appears to fall within/overlap the river/nallah alignment. Kindly confirm the correct WTG location or provide the revised layout, if applicable.	Clarification is required to verify the constructability of the proposed WTG location and to accurately assess the associated civil works, statutory approvals, and construction methodology.	Specific Annexure SA-B: Land Layout (With Micrositing & Other Details) Please refer the Ammendment_1.					
FOOT-PRINT_9	77.0571 E	15.88755 N	396-1, 395-1	5.97												
21	Technical_package -2	SA_LAYOUT	<table><tr><td>FOOT-PRINT_10</td><td>77.9835 E</td><td>15.88325 N</td><td>386-5, 386-6, 386-8, 386-9, 389-4, 389-5, 389-6, 389-9</td><td>4.35</td></tr><tr><td>FOOT-PRINT_11</td><td>77.9780E</td><td>15.87949 N</td><td>378-5, 378-6, 388-5, 389-3</td><td>3.79</td></tr></table>	FOOT-PRINT_10	77.9835 E	15.88325 N	386-5, 386-6, 386-8, 386-9, 389-4, 389-5, 389-6, 389-9	4.35	FOOT-PRINT_11	77.9780E	15.87949 N	378-5, 378-6, 388-5, 389-3	3.79	Coordinates corresponding to Location Nos. 10 and 11 appear to be different from the locations indicated in the layout drawing. Kindly provide the correct coordinates and updated layout for reference.	Clarification is required to ensure consistency between the layout drawing and coordinate data, enabling accurate planning of survey, engineering, access roads, cable routing, and foundation locations.	Specific Annexure SA-B: Land Layout (With Micrositing & Other Details) Please refer the Ammendment_1.
FOOT-PRINT_10	77.9835 E	15.88325 N	386-5, 386-6, 386-8, 386-9, 389-4, 389-5, 389-6, 389-9	4.35												
FOOT-PRINT_11	77.9780E	15.87949 N	378-5, 378-6, 388-5, 389-3	3.79												
22	Section VII – Scope of Work	Clause 5.4(h)	Contractor shall prepare General Arrangement drawings.	Kindly confirm whether preliminary layout drawings, if available, shall be shared with the successful bidder for reference during detailed engineering.	Availability of preliminary layouts will assist in optimizing the engineering activities.	"SA-B: Land Layout (With Micro-Siting & Other Details)" itself is a preliminary layout. We are attaching the ".dwg" file of the same.										
23	Section VII – Scope of Work	Clause 5.6	Contractor shall submit As-Built Drawings.	Kindly clarify the required format and level of detail for submission of As-Built Drawings and survey records.	To ensure compliance with the Employer's documentation requirements.	Tender provisions shall Prevail.										
24	Technical Package-2 2. Project particulars	Sub-Section A: Scope of Works Page 4 of 19 CL 2	ROW of the 33kV Reticulation System ROW is in the scope of SECI Refer SA-B: Land Layout		We request ROW including any disputes is in Owner Scope of work for 33kV internal lines and access road upto WTG footprint for both project and O&M duration as the land for locations and access roads are proposed by SECI	Please refer the Ammendment_1.										
25	Technical Package 2: Page:52	Cl 1.4 Page 29 of 45	Serial Defect Liability Period shall be as per the GCC clause 27.2. Serial Defect shall mean occurrence of the similar faults in at-least 10% of the WTGs in a given time interval. Under this Serial Defect Liability, the Bidder will be required to rectify or replace all such serial defects in all the WTGs of the Project.	Serial Defect Liability Period shall be as per the GCC clause 27.2. Serial Defect shall mean occurrence of the similar faults in at-least 10% of the WTGs (or 3 WTGs) in a given time interval. Under this Serial Defect Liability, the Bidder will be required to rectify or replace all such serial defects in affected WTGs of the Project.	Other WTGs shall be monitored as per the conditions of DLP. Since the project is of quantity of approx 13 WTG, atleast 3 WTG need to be affected to consider as Serial defect	Tender provisions shall Prevail.										
26	Section-VII, Sub-Section F (O&M Agreement) - Technical: Page: 162	Annexure-2, Cl.1(C) - Functional Guarantees, Machine	Guaranteed Machine Availability of the Wind Farm shall not be less than: 98% during high wind season (1st May to 31st Oct) and 96% during low wind season (1st Nov to 30th April).	Request to revise the high-wind-season Machine Availability guarantee from 98% to 97%, considering the complete scope of the Package includes 33kV lines, pooling substation and grid interface, which are also subject to outages beyond the Contractor's WTG-level control.	98% availability at farm level (inclusive of evacuation system up to Pooling Substation as defined) is stringent when grid/DISCOM-side outages are included in the calculation.	Please refer the Ammendment_1.										
27	Section-VII, Sub-Section B (TS-Electrical) - Technical: Page: 31	Clause 1.2.1 to 1.2.4 (Safety Requirements - Tower climbing)	WTG tower (height 80m and above) shall have lift (min. 2-person capacity) with automatic dragging rope/climbing puller arrangement designed to share at least 30% of climber's weight on the rung ladder.	Request confirmation that WTG models offering a certified service lift as the primary means of access, without a separate automatic dragging rope/climbing puller on the rung ladder, meet the intent of this clause.	Not all OEM tower designs incorporate a climbing-puller in addition to the service lift; seeking clarification before bid finalization to avoid a technical deviation.	Please refer the Ammendment_1.										
28	Section-VII, Sub-Section B (TS-Electrical) - Technical: Page: 31	Clause 2.4 (Tower)	Towers shall be provided with facilities like lift & climbing devices for safe access to the nacelle and to the aerodynamic brakes. Safety ropes & belts shall be made available by the Contractor during construction and O&M period.	Request clarification on the scope of 'access to the aerodynamic brakes', as aerodynamic braking mechanisms (pitch/tip-brake systems) are typically enclosed within the hub/nacelle and are not designed for direct manual/external access; also clarify BOQ/quantity basis for safety ropes & belts.	As worded, the clause could be read as requiring a dedicated physical access arrangement to the braking mechanism itself, which is not standard OEM design practice.	Please refer the Ammendment_1.										
29	Section-VII, Sub-Section B (TS-Electrical) - Technical: Page: 32	Clause 4.4/4.5 (Gearbox)	Information about the safety factor and lifetime of all gear wheels, bearings, etc., and details of how transfer of vibration from the gearbox to the nacelle is minimized, shall be given in the bid.	Request that this information be permitted to be submitted as part of the Site Assessment Report (SAR)/documentation at the detailed engineering stage, rather than at the bid stage.	This is proprietary OEM design/test data that is compiled as part of type certification (IEC 61400-4/SAR) and is not typically finalized or disclosed at the bid stage.	Accepted.										
30	Section-VII, Sub-Section D / GA-E (Plant Commissioning & PG Test Procedure) - Technical: Page: 93	Clause 3.7.2(d) - Short Term Performance Test (STPT)	During the 96-hour Short Term Performance Test conducted per WTG, the Wind Turbine shall achieve a minimum Machine Availability of 98% as a condition for issuance of the STPT Completion Certificate.	Request to reduce the minimum Machine Availability required during the 96-hour Short Term Performance Test from 98% to 95%, consistent with common practice for short-duration reliability tests of this kind.	98% availability over a short 96-hour window is a stringent pass/fail threshold for an individual test run; the ongoing Machine Availability Guarantee (Annexure-2 to GA-E) already governs long-term O&M performance and provides SECI's principal protection on availability.	Please refer the Ammendment_1.										
31	Section-VII, Sub-Section D / GA-E (Plant Commissioning & PG Test Procedure) - Technical: Page: 93	Clause 3.7.3 (LD for Power Curve Warranty Failure remedy on repeat test failure)	(a) Compensation to Owner of an amount equal to the estimated loss for the Project life. This shall be calculated as the NPV of annual loss for 25 years. Annual loss of revenue will be estimated based on the actual electricity sale tariff for the power generated from the Project and estimated annual generation loss due to shortfall in power curve performance. For more clarification the formula to be used for estimated annual revenue loss from the Wind Power Plant is Estimated Annual Revenue Loss due to shortfall in: $PCW=(\%SPCW) \times Pcap \times CUFest \times TPPA \times 8760$ PCW: Power Curve Warranty compensation PCW: Shortfall in Power Curve Warranty (%) $_{cap}$: Project Capacity (kW) $_{est}$: Estimated Annual Capacity Utilization Factor (As per the CUF value calculated from the AEP value submitted by the bidder for bid evaluation) $_{ppa}$: Rs. 4.5/kWh $_{T}$	TPPA Shall be limited to INR 3.78 per Unit inline with the tariff discovered for the last RFS invited by SECI for Wind power project.	Tarriiff @4.25 INR per unit is very high and is unjustified	Tender provisions shall Prevail.										

32	Section-VII, Sub-Section D / GA-E (Plant Commissioning & PG Test Procedure) - Technical- Page: 162	Clause 3.7.3 (LD for Power Curve Warranty Failure - remedy on repeat test failure)	If the repeated Power Curve Guarantee Test (PCGT) also fails and remains below 93%, the Contractor must refund the entire amount paid by the Owner for the wind plant (including Advance Payment), with interest at 13% per annum from the date of each payment, in addition to the WTG being rejected. A similar refund-plus-13%-interest remedy also applies on STPT failure after repeated tests (GA-E, LD for Short Term Performance Test Failure).	Request that the remedy for a WTG failing the repeated PCGT/STPT be limited to (a) the compensation/LD already provided for shortfall in generation (NPV-based, Rs.4.5/kWh), and/or (b) rectification/replacement of the WTG, and that the full-refund-plus-13%-interest remedy be reconsidered or, alternatively, capped at a stated percentage of the Supply Contract price for the affected WTG(s).	A full refund with 13% p.a. interest, layered on top of the NPV-based compensation already specified, results in a disproportionately severe remedy relative to the value of a single underperforming WTG within a multi-WTG project.	Tender provisions shall Prevail.
33	Technical Package 2: Page: 163	Sub-Section F: O&M Agreement Page 37 of 43 ANNEXURE-2	G. Liquidated Damages for Machine Availability Shortfall:		Availability impact resulting from ROW issues shall not be attributed to the bidder	Please refer the Amendment_1.
34	Technical Package 2: Page: 54	Sub-Section B: TS-Electrical clause 2.2	The Contractor shall conduct geo-technical investigation and decide on various design parameters he proposes to adopt for foundation design. Based on ground water and sub-soil chemical environment, the requisite measures for protection of foundation/sub-structure shall be taken as per IS:456. No commercial implications for any variations in this regard during execution shall be entertained.	We request you to provide the geotechnical report of nearby location which are already available for reference		Please refer the Amendment_1.
35	Technical Package 2: Page: 82	SUB-SECTION C GENERAL ANNEXURE D Mandatory Spares General Annexure-D: Mandatory Spares Page 2 of 3	3. Mandatory Spares Item & Quantity		Kindly Clarify the following : Electrical & control spares(WTG) 3. Power supply module - 2 Nos ., Our system equipped with multiple type of power supply module, kindly specify requirement in detail Mechanical Spares (WTG) 6. Cooling fans - 2 Nos., Requirement is for Generator Or Nacelle	Mandatory Spares as per the GA-D & subsequent amendment to be provided. Please refer the Amendment_1.
36	Sub section F, O&M Agreement, Section VII: Page: 152	Clause no 26.1	All other insurance like – transit insurance (Marine/ Cargo/ others as applicable), Construction All Risk, Erection All Risk, workmen compensation, fire, third party liability, insurance against theft, fire, act of God, Contractor's Equipments, machinery breakdown policy, business interruption insurance, Property damage Insurance & Environmental risk insurance as required during the O&M period of the Plant shall be in the contractor's scope & shall borne by the Contractor.	Fire and allied perils including theft and burglary shall be in the scope of the Employer.	As per the industry practice	Tender provisions shall Prevail.
37	Sub section F, O&M Agreement, Section VII: Page: 154	Clause no 26.4	The Contractor shall also arrange suitable insurance to cover following during the O&M Period: (a) Machinery Breakdown: Electrical & or machinery breakdown of any machinery or other equipment resulting in costly repairs or even replacement of the wind turbines. (b) Business Interruption: Cover for period of operational downtime i.e., covering the cash flow of the wind business as a result of an insured peril, for example fire or storm damage, machinery breakdown or equipment failure. (c) Property Damage: The insurance should cover material damage due to external causes such as fire, theft, vandalism, sabotage, hail damage, snow load, lightning strike, overload, operational mistakes, clumsiness, negligence & theft. (d) Employers Liability: Provides cover against the risk of accident from usual workplace risks such as working at height & manual handling during construction & O&M period. (e) Environmental Risk Insurance: Environmental damage coverage indemnifies wind system owners of the risk of either environmental damage done by their development or pre-existing damage on the development site.	Insurance under point no a,b,c & e. shall also be in the scope of Employer and contractor would not be able to cover the same.	As per the industry practice	Tender provisions shall prevail
38	Sub section C, Plant Documentation, Commissioning and Test Procedure, Section VII: Page: 91	Clause no 3.7.1 (a)Page no 91	The Validation of the Power Curve Performance shall be based on the Estimated AEP from the measured Power Curve of the test WTG as per above given procedure and the Estimated AEP from the Warranted Power Curve, both at the reference site air density. The AEP from both the measured Power Curve and the Warranted Power Curve at reference site air density shall be calculated based on a reference nominal wind speed distribution at the site. This could be the wind data from the reference wind mast installed by SECI at the Project site before start of the Project or any other mutually agreed wind speed distribution dataset. The Theoretical annual energy production (AEP) based on the Measured Power Curve of the Wind Turbine and the nominal wind distribution is called as the Measured Power Output (MPO) The Theoretical annual energy production (AEP) based on the Warranted Power Curve of the Wind Turbine and the nominal wind distribution is called as the Warranted Power Output (WPO) Following formula shall be used for the calculation of Verified Power Curve Performance (VPC) of the WTG: If VPC is greater than or equal to 98% then the Power Curve Guarantee Test is considered to be passed.	The Validation of the Power Curve Performance shall be based on the Estimated AEP from the measured Power Curve of the test or any other mutually agreed wind speed distribution dataset. The Actual annual energy production (AEP) recorded on the Wind Turbine is called as the Actual Power Output (APO) The Theoretical annual energy production (AEP) based on the Warranted Power Curve of the Wind Turbine and the nominal wind distribution is called as the Warranted Power Output (WPO) Following formula shall be used for the calculation of Verified Power Curve Performance (VPC) of the WTG: VPC=(APO/WPO)*100 If VPC is greater than or equal to 95% Minus uncertainties then the Power Curve Guarantee Test is considered to be passed.	Inline with Industry Practices	Please refer the Amendment_1.
39	Sub section C, Plant Documentation, Commissioning and Test	Clause no 3.7.2 (d)Page no 92	During the test the Wind Turbine shall achieve Machine Availability should be minimum 98%.	During the test the Wind Turbine shall achieve Machine Availability should be minimum 70%.	Please appreciate that STPT is a Functional test , it is neither possible to maintain 98% machine availability during the test nor it has been asked by any customer in the industry	Please refer the Amendment_1.
40	Sub section C, Plant Documentation, Commissioning and Test Procedure, Section VII: Page: 94	Clause no 3.7.3 Page no 94	LD for Short Term Performance Test Failure If the Contractor fails to satisfy the STPT of a WTG within 60 (sixty) days from the Commissioning Date of the relevant WTG even after repeated tests, then Owner will have the right to reject the WTG and obtain a refund. Contractor will refund all amounts paid by Owner for that WTG along with interest cost (@13% (thirteen percent) per annum) from the date of payments made for WTG including Advance Payment. Said rejected WTG shall not be considered for Availability calculations.	We Request to Delete the Clause	STPT is not a performance test of WTG, and rejection of WTG and recovery of the amount paid by the owner due to delay in completion of STPT is irrational	Please refer the Amendment_1.
41	Section VII, Sub section F: Page: 162	Annexure 2, 1.A	A. Definition: Machine Availability includes the availability of WTG as well as the power evacuation system for Wind energy up to interface with the system of power utility. i.e. till Pooling Substation.	We understand that battery limit for machine availability and scope for O&M is limited up to 33KV Isolator outside the pooling substation. Please confirm		Please refer the Amendment_1.

42	Section VII, Sub section F: Page: 162	Annexure 2, 1.C	C. Guaranteed Machine Availability: The Contractor shall maintain all WTGs so as to ensure average Machine Availability of the wind farm not less than: • 98% during high wind season i.e. 1st May to 31st October • 96% during low wind season i.e. 1st November to 30th April	C. Guaranteed Machine Availability: The Contractor shall maintain all WTGs so as to ensure average Machine Availability of the wind farm not less than: • 97% during high wind season i.e. 1st May to 31st October • 96% during low wind season i.e. 1st November to 30th April	Inline with Industry Practices	Please refer the Amendment_1.
43	Technical Package-2	Project Particulars	Storage - To be arranged by Contractor, however land will be provided by SECI. (Details as Indicated in SA-B: Land Layout)	Land for storage yard shall be provided by SECI. Development and setup shall be done by Bidder. The Land area for the storage yard shall be indicated.		Please refer the Amendment_1.
44	Technical Package-2	Project Particulars	ROW of the 33kV Reticulation System - ROW is in the scope of SECI	33 kV clear route shall be provided by SECI and	A KMZ file with WTG locatoin is needed for detailed evaluation.	Please refer the Amendment_1.
45	Technical Package-2: Page: 56	D Civil Works - Scope of Work	6.2.7 For erosion control, stone pitching/soil filled geocell with vegetative cover may be adopted. For stone pitching, the area to be pitched shall be trimmed and any loose material re-compacted. Pitching shall be laid on a bed of approved granular material. For soil filled geocell with vegetative cover following technical specification may be followed.	Is Stone Pitching/Geocell mandatory? It should be at the discretion of Bidder as per soil conditions. Also O&M shall be done by the bidder for 10 Years. Hence shall be done as per requirement and not mandatory		The methods indicated in the Tender are suggestive and not exhaustive. The Contractor may propose and adopt alternative erosion-control measures during detailed engineering, subject to SECI's review and approval.
46	Technical Package-2	E Safety Requirements for Wind Turbine Generator and associated	1.2.1 Provision for lift: The adequate capacity lift (at least two-person capacity) shall be provided for the units having tower height of 80 MT and above	Lift shall be provided as per OEM design		Please refer the Amendment_1.
47	Technical Package-2	H Documentation and Submittals	d) Soil test reports indicating Safe Bearing Capacity for WTGs and pooling substation foundations.	Documents and Reports of only Bidder's scope area shall be submitted. No PSS related documents/reports are applicable.		The term "Pooling Substation Foundation" shall be read as "Unit Substation Foundation" for the purpose of this clause.
48	Technical Package-2	GENERAL ANNEXURE E Plant Documentation, Commissioning and Test	a) Since the evacuation point for the WTG Package is the dedicated incoming feeders at the pooling switchgear of the Pooling Substation under the Solar + BESS Contract, the achievement of Grid Synchronization, SCADA integration, Trial Operation, Performance Guarantee Tests and Reliability Run shall be dependent on the readiness and commissioning of the Pooling Substation by the Solar + BESS Contractor.	Payment Terms to be clarified in case of delay in PSS and if WTG are ready for commissioning		Please refer the Amendment_1.
49	02_Technical_package-2	16.5	Scope Boundary Clarification: a) CMCS / Plant SCADA system: Under Solar + BESS Contractor Scope b) LCS and WTG internal communication: Under WTG EPC Contractor Scope c) Interface provision and successful integration between LCS and CMCS: Under WTG EPC Contractor Scope, including coordination and commissioning support	Please provide a detailed Interface Responsibility Matrix (IRM) and Interface Specification for CMCS/SCADA, PPC, telemetry, communication, DPL, command matrix, testing and commissioning. Further, clarify that Wind EPC scope is limited to providing agreed signals/data at the LCS interface port, while CMCS/SCADA, PPC, plant-level controls and telemetry integration remain under Solar+BESS Contractor scope.		Following ammendments & other tender clause may be referred for clarification: Please refer the Amendment_1.
50	Technical Package-2		SoW	Please clarify the detailed scope od works of the contractor as it is slightly unclear since multiple stake holders are involved in BESS and Solar package more with respect to the Permits & Approvals, Co-ordination for connectivity, synchronization, etc		Please refer the Technical Specification & Amendment_1
51	Technical Package-2		Land Area Requirement	WTG Location : Please clarify the Land area considered for each location Storage Yard : Please clarify Benchmark land requirement for Storage yard. Else specify the Contractor shall consider as per requirement at site conditions. Also please specify the Facilities required in the storage yard, Number of porta cabins, Washrooms, CCTV camera etc. Please provide the specifications. Road Dimensions : Please specify the Road specifications		WTG Location: For WTG Location please consider the following amendment along with the attached ".KMZ" file & ".dwg". Please refer the Amendment_1.
52	Technical Package-2		AEP / PLF numbers	Please clarify on the AEP / PLF benchmark for the Project.		Minimum CUF requirement added in the following Amendment: Please refer the Amendment_1.
53	Technical Package-2		Wind data for site suitability	Site Suitability : Please share the Wind Data which is needed for Site Suitability for the WTG Model		
54	Technical Package-2	125	Layout - Co-ordinates mismatch	a) Based on the provided coordinates, Locations 9, 10, and 11 fall within Karnataka. b) Locations 10 and 11 are approximately 90 km from the project site. c) Please share the KMZ file containing the PSS coordinates for verification		Please refer the Amendment_1.
55	Technical Package-2		ROW	The 33kV ROW is clarified to be in SECI scope. Please clarify other ROW for Material movement, Road & Road Development, Crane Movement, Crane Boom area, Storage yard and all other general ROW at site is in the scope of SECI only.		Please refer the Amendment_1.
56	Technical Package-2		Permits & Approvals	Please specify who shall be responsible for the Permits & Approvals as required for AAI, MOD, Forest, Gram Panchayat and all other approvals needed during project development.		Section VII: Sub-Section A: Scope of Work: Clause: 7.2.f) All statutory approvals/ permissions/ clearances pertaining to the Contractor's scope of work shall be obtained by the Wind Contractor. For grid connectivity, the Solar + BESS Contractor shall be responsible for the overall connectivity works; however, the Wind Contractor shall provide all necessary technical inputs, documents, studies, approvals and coordination/support required for obtaining connectivity approvals and execution of the associated works (As mentioned in other section of the document).
57	Technical Package-2		Approved Makelist	Please specify the approved makelist and specifications of the Compnents for BOP Components or is the Contractor allowed to choose the specifications and makelist as per industry standards		Please refer the Amendment_1.
58	Technical Package-		Geotech report	Please share the Geo tech Survey report.		Attached
59	Technical package	4, Point 11	Internal Roads, Drains, Water Supply, and Fencing - Scope of Solar + BESS Contractor	Internal Roads, Approach roads for transportation, Drains, Water Supply, and Fencing - Scope of Solar + BESS Contracto	The roads required for the transportation of WTG equipment shall be within the scope of SECI/Solar+BESS Contractor, as they facilitate the smooth and unhindered movement of materials to the project site.	Please refer the Amendment_1.

60	Technical package	2, Project Particulars, Storage	To be arranged by Contractor, however land will be provided by SECI. (Details as Indicated in SA-B: Land Layout)	For temporary storage of large mandatory spares viz. Blade, Nacelle, Transformer, Generator etc. till erection of equipment's under WTG package, levelled land space@ 10 Acres per 50 micro siting points for 3 years shall be provided by Employer	Storage and laydown land should be provided by the Employer because it is typically within the project site under the Employer's control, ensuring adequate space for safe storage of oversized wind turbine components and minimizing logistics costs, transportation risks, and schedule delays.	Please refer the Amendment_1.																																																																																					
61	Technical package	2, Project Particulars, WTG Type	Low voltage, 50 Hz, upwind / downwind, horizontal axis Wind Turbine Generators (WTGs) with minimum rating of 3 MW	WTGs shall be low-voltage, 50 Hz, upwind/downwind, horizontal-axis machines with a minimum rated capacity of 3 MW. Post award, the WTG model may be changed to any ALMM-listed model, subject to Employer approval and compliance with the specified technical requirements.	Higher-capacity ALMM-listed WTGs can increase energy generation and improve project efficiency, reducing the number of turbines and associated infrastructure required.	Post award, the WTG model may be changed to any ALMM-listed WTG model having minimum rated capacity as specified in the tender specifications, subject to Employer's approval and compliance with all specified technical requirements. In case of such change, the Contractor shall submit a NIWE-certified Annual Energy Production (AEP) assessment/report demonstrating that the proposed WTG model is capable of achieving equal to or higher CUF than the CUF considered for the WTG model proposed during bidding.																																																																																					
62	Technical package	H, Documentation and Submittals, 3. Engineering Submittals	h) The Bidder shall submit the Final Annual Energy Production (AEP) report duly certified by NIWE for the offered wind farm configuration.	h) The Bidder shall submit the Final Annual Energy Production (AEP) report duly certified by NIWE for the offered wind farm configuration. The annual CUF shall in no case be less than 30%.	Requiring a NIWE-certified Final AEP report and a minimum CUF of 30% ensures an independent validation of the wind resource assessment and energy yield, providing confidence that the project will achieve the expected generation performance and financial viability.	Please refer the Amendment_1.																																																																																					
63	Technical Package- 2: Wind	7.6 / 7.9 / 17.1	The tender provides for reporting of "Unavailability Due to Curtailment" and also specifies "Curtailment Control" through the CMCS/PPC. The CMCS/PPC is under the Solar + BESS Contractor's scope.	Please clarify the definition and treatment of "Curtailment" for the Wind Package. Further, it is requested to clarify that any curtailment due to grid restrictions, RLDC/SLDC instructions, FDRE plant-level dispatch requirements, Solar/BESS operation, Pooling Substation/evacuation constraints, Employer's instructions, acoustic requirements or any other reason not attributable to the Wind EPC/O&M Contractor shall be considered separately and shall not adversely affect the guaranteed machine/plant availability or performance obligations of the Wind Contractor.	Since the Wind WTGs can be curtailed through the common CMCS/PPC, clarity is required regarding the responsibility and treatment of such curtailed hours in availability/performance calculations	Wind power shall not meant to be curtailed due to FDRE requirement, the required curtailment will be done on solar generation. However, in exceptional circumstances where Solar generation cannot be curtailed and curtailment of Wind generation becomes unavoidable due to such system requirements, the corresponding period shall be considered under "Other Factors (OF)" for the purpose of WTG Machine Availability calculation. Please refer the Amendment_1.																																																																																					
64	Sec. -VII / Sub-Sec. A: Scope of Works / Page 4 of 19	2	Site Location and Micro-siting Details Available Land Area - 16 Land Patch (Details as Indicated in SA-C: Land Layout)	We request SECI to kindly clarify the following points regarding the available Land Area: 1. Number of Available Land Patches - As per Cl. 2, it is understood that 16 land patches are to be made available by SECI to the Contractor for this project. However, the corresponding land layout drawing and associated table indicate details for only 15 footprints/land parcels. Accordingly, we request SECI to clarify whether the number of available land patches is 15 or 16 and provide the complete details, coordinates, areas and layout information for 16th land parcels. 2. Land Requirement - We request SECI to arrange the land area at each WTG location as per below: (a) Land area required by us shall be minimum of 140 x 140m, same to be provided by SECI. (b) Ariel rights of other than footprint area to be provided by SECI during the O&M period and not only during the project construction period. (c) The entire land parcel of 120 x 120m (excluding boom & guide rope land requirement) shall be levelled, compacted and cleared by SECI and shall not have any rocks, boulders, no projections, trees or bushes etc. Such land parcels shall be handed over to the WTG supplier under this contract at the beginning itself and clear ROW to be maintained by SECI throughout construction period and thereafter during O&M period. (d) SECI to make available additional land for WTG assembly and Rotor Blade erection beyond 140 x 120m (which is the area within 140 x 140 m) parcel during erection stage.		1. Number of Available Land Patches: Please refer the Amendment_1. 2. Land Requirement: a) Please refer the Amendment_1. b) Please refer the Amendment_1. c) The same will be in the scope the Contractor as mentioned in the Section VII, Sub Section B: Technical Specification, Civil Works: Clause No.: 5.1. d) Please refer the Amendment_1.																																																																																					
65	Sec. -VII /Sub Sec. - D Specific Annex. (SA): Page: 125	SA - B	<table><thead><tr><th>FOOT-PRINTS</th><th>LONGITUDE</th><th>LATITUDE</th><th>RWGRN</th><th>AREA (ACRE)</th></tr></thead><tbody><tr><td>FOOT-PRINT_1</td><td>77.2231 E</td><td>15.92305 N</td><td>531-2, 531-5, 585-2</td><td>4.21</td></tr><tr><td>FOOT-PRINT_2</td><td>77.1881 E</td><td>15.92078 N</td><td>586-2, 587-4</td><td>6.14</td></tr><tr><td>FOOT-PRINT_3</td><td>77.1887 E</td><td>15.91824 N</td><td>588-2</td><td>4.83</td></tr><tr><td>FOOT-PRINT_4</td><td>77.1565 E</td><td>15.91317 N</td><td>342-1/3, 342-1/2, 342-1/7, 342-1/8, 363-5, 363-4, 363-5</td><td>5.65</td></tr><tr><td>FOOT-PRINT_5</td><td>77.1114 E</td><td>15.90940 N</td><td>338-24, 338-25</td><td>4.29</td></tr><tr><td>FOOT-PRINT_6</td><td>77.1277 E</td><td>15.90535 N</td><td>573-3, 573-4</td><td>2.2</td></tr><tr><td>FOOT-PRINT_7</td><td>77.0845 E</td><td>15.90143 N</td><td>568-3, 568-5, 568-6, 570-3, 570-4</td><td>1.85</td></tr><tr><td>FOOT-PRINT_8</td><td>77.1484 E</td><td>15.89632 N</td><td>326-16</td><td>1.80</td></tr><tr><td>FOOT-PRINT_9</td><td>77.1877 E</td><td>15.88358 N</td><td>327-3, 328-3, 348-3, 348-4, 348-5, 351-4, 351-5</td><td>5.22</td></tr><tr><td>FOOT-PRINT_9</td><td>77.0571 E</td><td>15.88725 N</td><td>395-1, 395-1</td><td>5.97</td></tr><tr><td>FOOT-PRINT_10</td><td>77.8635 E</td><td>15.88325 N</td><td>386-5, 386-6, 386-8, 386-9, 388-4, 388-5, 388-6, 388-9</td><td>4.35</td></tr><tr><td>FOOT-PRINT_11</td><td>77.8780E</td><td>15.87948 N</td><td>378-5, 378-6, 388-5, 388-3</td><td>3.79</td></tr><tr><td>FOOT-PRINT_12</td><td>77.1448 E</td><td>15.85797 N</td><td>850-2, 850-4</td><td>6.06</td></tr><tr><td>FOOT-PRINT_13</td><td>77.1250 E</td><td>15.85509 N</td><td>850-2, 855-4</td><td>4.86</td></tr><tr><td>FOOT-PRINT_14</td><td>77.1153 E</td><td>15.85066 N</td><td>858-1, 858-3, 851-4, 851-5, 851-6</td><td>6.09</td></tr><tr><td>FOOT-PRINT_15</td><td>77.1101 E</td><td>15.84722 N</td><td>858-2, 857-2, 857-4</td><td>4.68</td></tr></tbody></table>	FOOT-PRINTS	LONGITUDE	LATITUDE	RWGRN	AREA (ACRE)	FOOT-PRINT_1	77.2231 E	15.92305 N	531-2, 531-5, 585-2	4.21	FOOT-PRINT_2	77.1881 E	15.92078 N	586-2, 587-4	6.14	FOOT-PRINT_3	77.1887 E	15.91824 N	588-2	4.83	FOOT-PRINT_4	77.1565 E	15.91317 N	342-1/3, 342-1/2, 342-1/7, 342-1/8, 363-5, 363-4, 363-5	5.65	FOOT-PRINT_5	77.1114 E	15.90940 N	338-24, 338-25	4.29	FOOT-PRINT_6	77.1277 E	15.90535 N	573-3, 573-4	2.2	FOOT-PRINT_7	77.0845 E	15.90143 N	568-3, 568-5, 568-6, 570-3, 570-4	1.85	FOOT-PRINT_8	77.1484 E	15.89632 N	326-16	1.80	FOOT-PRINT_9	77.1877 E	15.88358 N	327-3, 328-3, 348-3, 348-4, 348-5, 351-4, 351-5	5.22	FOOT-PRINT_9	77.0571 E	15.88725 N	395-1, 395-1	5.97	FOOT-PRINT_10	77.8635 E	15.88325 N	386-5, 386-6, 386-8, 386-9, 388-4, 388-5, 388-6, 388-9	4.35	FOOT-PRINT_11	77.8780E	15.87948 N	378-5, 378-6, 388-5, 388-3	3.79	FOOT-PRINT_12	77.1448 E	15.85797 N	850-2, 850-4	6.06	FOOT-PRINT_13	77.1250 E	15.85509 N	850-2, 855-4	4.86	FOOT-PRINT_14	77.1153 E	15.85066 N	858-1, 858-3, 851-4, 851-5, 851-6	6.09	FOOT-PRINT_15	77.1101 E	15.84722 N	858-2, 857-2, 857-4	4.68			
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66	Sec. -VII / Sub-Sec. A: Scope of Works / Page 4 of 19: Page: 8	2	Access, Storage & Approach Road: Storage - To be arranged by Contractor, however land will be provided by SECI. (Details as Indicated in SA-B: Land Layout)	We request SECI to clarify whether the land for storage yard will be provided by SECI to the contractor for storing WOEg equipment during project construction and during O&M term, which shall be located on the nearest NH/SH. We request for suitable clarification in this regard.		Please refer the Ammendment_1.
67	Sec. -VII / Sub-Sec. B: TS-Electrical / Page 23 of 45: Page: 46	14.15	Metering: Each Wind Turbine Generator (WTG) shall be provided with an independent three-phase, four-wire, bi-directional energy meter of accuracy class 1.0 or better, conforming to applicable IS/IEC standards and utility regulations. The meter shall be installed on the high-voltage side of the Unit Transformer. The energy meter shall: a) Record active energy (kWh) export and import separately b) Provide real-time measurement and data logging capability c) Be capable of Time-of-Day (TOD) recording, if required d) Support communication interface compatible with the Plant SCADA system Energy export and import values recorded in the Local Control Station (LCS) shall be continuously logged and integrated into the Plant SCADA system for monitoring, reporting, and reconciliation purposes. Note: a) Metering arrangement at the incoming feeders of the 33 kV Pooling Switchgear Panel, including supply,.....shall be entirely in the scope of the Solar + BESS Contractor. b) The Wind EPC Contractor's scope shall exclude the above metering system..... overall plant SCADA and grid compliance requirements.	Under Cl. no. 14.15, every WTG need to have a meter of 1.0 or better accuracy class installed on HV side of Unit Transformer, while as per SLD (Specific Annexure: SA-A) MFM meter of 0.2 accuracy class shown on HV side of Unit Transformer. We request SECI to clarify the exact type of meter and the accuracy class to avoid any ambiguity in the Scope.		Accuracy class of the metering at the HV side of WTG should be 0.2 as mentioned in the SLD (Specific Annexure: SA-A) Please refer the Ammendment_1.
68	Sec. -VII / Sub-Sec. - D Specific Annex. (SA):	SA - A	SLD showing MFM of Accuracy Class - 0.2			
69	Sec. -VII / Sub-Sec. A: Scope of Works / Page 5 of 19: Page: 9	2	Design Parameters: Design Ambient Temperature : 50°C (For all the equipment except WTGs) Normal Temperature Condition for WTGs : -10°C to +40°C (As per IEC 61400-1) Extreme Temperature Condition for WTGs : -20°C to +50°C (As per IEC 61400-1) De-Rated Capacity of WTG to be Considered at Temperature : +40°C (As per CEA)	The technical specification of WTGs is already fixed, being type certified and ALMM approved, therefore it will not be possible to provide the WTGs as per the given temperature ranges / specification. We request SECI to amend this clause, enabling bidders to provide WTGs as per their specification, else it shall be difficult to comply with these Specifications.		Please refer the Ammendment_1.
70	Sec. -VII / Sub-Sec. A: Scope of Works / Page 5 of 19: Page: 9	2	Functional Guarantee: Machine Availability 1. 98% during high wind season i.e. 1st May to 31st October 2. 96% during low wind season i.e. 1st November to 30th April	We request SECI as under: 1) The machine availability guarantee shall be offered on financial year basis i.e. High Wind Season (HWS) from April to September and Low Wind Season (LWS) from October to March. accordingly, the machine availability factor shall be guaranteed for HWS and LWS. 2) It shall be difficult to offer 98% machine availability during the high wind season for the wind farm (i.e. WTG, SPSS and 33 kV network outside the boundary of PSS), as we will hardly get any time for maintenance activities, in case any breakdown is experienced. Accordingly, we request SECI to consider machine availability for the wind farm during HWS as 97% and during LWS as 96% for the whole wind farm.		Please refer the Ammendment_1.
71	Sec. -VII / Sub-Sec. A: Scope of Works / Page 5 of 19: Page: 9	3.2	3 Brief Scope of Work 3.2 Design, engineering, manufacture and supply at site of Towers (including all internals e.g. - fall arrest systems, service lifts, internal cabling, ladders, platforms, and wire ropes), Blades, Hub, Nacelle, Foundation Base and other major & minor components suitable for offered WTGs.	As per the design of our WTG model, we shall be able to provide the motorized Climb Assist System which will assist in effortless movement of a person in upward & downward directions, operated in manual / auto mode. We do not have any provision of service lift in our WTG models, but the requirement for safe movement of maintenance team is catered by the motorized climb assist system. We request for a suitable amendment for acceptance of this design.		Please refer the Ammendment_1.
72	Sec. -VII / Sub-Sec. A: Scope of Works / Page 4 of 19: Page: 8	2	Power Evacuation: ROW of the 33kV Reticulation System - ROW is in the scope of SECI. Refer SA-B: Land Layout	As per Cl. 2, ROW of 33kV Reticulation System is in the Scope of SECI. But as Cl. 3.3, it is mentioned that all right of way is Contractor's Scope. We request SECI to clarify that whether ROW for 33 kV overhead lines is in the SECI scope or Contractor's Scope.		
73	Sec. -VII / Sub-Sec. A: Scope of Works / Page 5 & 6 of 19: Page: 9	3.3	3 Brief Scope of Work 3.3 Design, engineering, supply and erection of unit sub-station (USS), Crane pads, Crane pad foundations, power & control cables from bottom converter to USS. Note: Tower Transportation of WTG till site storage yard, fibre optic cable, suitable site office space with HVAC & power during construction and O&M phase, hiring of cranes and contractors for erection, 33kV overhead transmission lines from WTG transformer to the dedicated incoming feeders of the pooling switchgear, connection and synchronization, all rights of way.	Further regarding Cl. 3.3, We request SECI to provide the required space to Contractor's O&M team for establishing its office and operations facility. The office cum control room facility shall have sufficient capacity (3-4 rooms) with all required furniture, proper lighting, air conditioning & all other amenities required for our O&M staff to operate. The charges for all such infrastructure including various amenities to be provided like water, electricity etc. shall be to owner's account. A proper storage yard facility of adequate size near to wind farm or control room building area shall be established by SECI as per the recommendations of Wind Contractor and such facilities shall be made available to Contractor during O&M services without any charges. The Power connection for the 25 kVA should be made available at the storage		1. Please refer the Ammendment_1. 2. Suitable site office space with HVAC & power during construction and O&M phase shall be in the scope of the contractor. 3. Please refer the Ammendment_1.

74	Sec. -VII / Sub-Sec. A: Scope of Works / Page 6 of 19: Page: 10	3.8 & 3.9	3.8 Provision & stocking of adequate spares at site for operation & maintenance of wind energy project. 3.9 Provision & stocking of all the necessary tools and tackles for carrying out operation and maintenance of WTGs and associated systems. Note: The Contractor shall submit a detailed list of spares, special tools, and tackles with quantities and technical specifications for Employer's approval.	We request SECI to remove the scope of supply for mandatory spares, tools & tackles etc. in view of the Comprehensive O&M being provided, which shall include making available the spares & consumables, as and when required. This will also help SECI to reduce the overall project cost and this scope should be deleted. In view of above, we request SECI to delete the requirement of submission of detailed list of spares, special tools, and tackles with quantities and technical specifications for Employer's approval.		Mandatory Spares as per the GA-D & subsequent ammendment to be provided. Please refer the Ammendment_1.
75	Sec. -VII / Sub-Sec. A: Scope of Works / Page 6 & 7 of 19: Page: 10	3.10	3.10 Wind Monitoring Mast: 3.10.1 The bid should include supply, installation and maintenance of one wind monitoring mast at offered site till the power curve testing is carried out. The height of the wind mast The Wind Monitoring Mast shall be dismantled and removed by the Bidder only after successful completion and formal acceptance of the Power Curve Test by the Employer/Owner and submission of all final validated datasets, reports, and certifications. 3.10.2 This shall include all required data loggers, sensors etc. capable of recording data for a minimum of 10-minute average intervals to ensure correct and reliable data collection and its computation for analysis, for verification of generation with reference to the actual wind conditions at Hub height. N.B.: The bidder must quote this item separately in the price bid.	Since conducting the Power Curve test is in the Scope of Bidder, therefore there is no requirement of quoting such activity separately. We request for deletion of the requirement mentioned under Cl. 3.10.		Please refer the Ammendment_1.
76	Sec. -VII / Sub-Sec. A: Scope of Works / Page 11 of 19: Page: 15	5.3	All documents and drawings (soft copy) shall be submitted to the Employer for review and approval. Every drawing shall also be submitted in "*.dwg" format. In case of design calculations done in spread sheet, editable (working) soft copy of the spread sheet shall also be submitted along with 'pdf' copies during every submission. The Employer shall return the document / drawing to the Contractor with category of approval marked thereon. Two nos. of hard copies of approved documents and drawings shall be submitted to the Employer at SECI HQ Office at Delhi and one copy at the site......	It shall not be possible to submit the design / design calculations and drawings in .dwg format with detailed design and engineering information for the approval of SECI, since all such details, design, drawings (including soft copies in .dwg format) etc. are part of propriety information, which cannot be shared / submitted. We shall be submitting the GA and Cross-sectional drawings of WTG major components like nacelle, blade, tower and transformer and the WTG foundation GA and CS drawing indicating the reinforcement details. We request for an ammendment in this regard.		Accepted
77	Sec. -VII / Sub-Sec. A: Scope of Works / Page 12 of 19: Page: 16	5.4	Contractor shall utilise, only the WTG co-ordinates specified in SA-B: Land Layout. The contractor shall submit basic design data, design documents, drawings and engineering information including GTP and test reports to Employer or its authorized representative for review and approval from time to time as per project schedule. The documents typically include, but not limited to, the following: a) Detail Technical Specifications of the WTGs and associated Equipment for the wind farm. b) Power Curve and Thrust Curve of the offered WTG model. c) General arrangement and assembly drawings of all major equipment. d) Schematic diagram for entire electrical system (AC and auxiliary systems). e) Test reports of all the equipments (for type, routine and acceptance tests). f) Design calculations and sheets (civil, mechanical, structural and electrical designs). g) Geo technical investigation data and Topographical survey report including topographical survey data in digital format (Excel file) and Contour plan of the area. h) GA Drawings of the entire project including WTG Micrositing, Unit Sub-Station, 33kV reticulation system, roads, storm water drainage, sewage networks, security cabin (if applicable), perimeter fencing, transformer yard fencing etc. i) Schematic diagram for entire evacuation system and transmission loss calculations. j) GA drawings for overhead lines along with all types of structures, 33kV Unit Sub-Station & Interfacing. k) Quality assurance plans for manufacturing (MQP), Standard Operating procedure (SOP) and field activities (FQP) <i>l) Copies of WTG type test certificate and certified Power Curve Test</i>	c) We shall be submitting the GA and Cross-sectional drawings of WTG major components like nacelle, blade, tower and transformer and the WTG foundation GA and CS drawing indicating the reinforcement details. We shall not be able to submit assembly drawings as same is part of proprietary information and request for its deletion. f) : It shall be difficult to submit the design / calculation with detailed design and engineering information and to get the same approved from SECI shall not be possible, as all such details, design, drawings etc. are part of propriety information, which cannot be shared / submitted. g) : In wind industry, topographic contour survey is not carried out physically, the topographic maps are taken from Google earth and same is being accepted by NIWE also. We request for deletion of this requirement. h) : We offer Skid Mounted Packaged sub-station (SPSS), which does not require any metal spreading, curb walls, fencing, gates, oil pits etc. Such SPSS design is acceptable to CEA / CEIG, and SPSS' are already operational in various CTU connected projects in different states across country. Perimeter fencing, storm water drainage, sewage networks etc shall not be applicable for wind power projects. We request for deletion of this requirement. m) : WTG Design assessment certificates shall not be possible to submit as it contains 100 related details, we request for deletion of this		c) Accepted. F) Accepted. G) Accepted. H) Accepted. M) Accepted.
78	Sec. -VII / Sub-Sec. A: Scope of Works / Page 13 of 19: Page: 17	5.6	5.6 Submission of all the drawings on "as built" basis covering all changes/modifications, if any, due to site conditions in four sets to Employer after commissioning of the project for record purpose. a) One soft copy of as-built drawings shall also be submitted. b) O & M Manuals in four sets.	We request SECI to consider submission of soft copy of relevant drawing & documents including O&M Manuals, since the submission of hard copies is not practiced now a days in view of paper less office. We request for suitable ammendment in this regard.		Tender provisions shall Prevail.
79	Sec. -VII / Sub-Sec. A: Scope of Works / Page 13 of 19: Page: 17	5.7	The Contractor shall submit technical connection data, inter alia, generator data for fault studies, dynamic simulation data, details of data & voice communication within one month of signing the LOA. In case, technical data is subjected to change during detailed engineering, the contractor shall furnish the tentative technical data within one month of signing the LOA & shall furnish the final technical data not later than six (6) months from award of work.	We shall not be able to provide generator data for fault studies, dynamic simulation data, details of data & voice communication as same is IPR in nature. However, we shall provide PSCAD/PSSE model for single WTG to the 3rd party appointed by the Solar Contractor, after signing NDA with such third party, so that the park level grid study can be carried out by the Solar Contractor. We request for an ammendment in this regard.		Please refer the Ammendment_1.

80	Sec. -VII / Sub-Sec. A: Scope of Works / Page 13 of 19: Page: 17	5.8	As the Grid Compliance Study and connectivity are within the scope of the Solar + BESS Contractor, the Bidder shall submit the unit Wind Turbine Generator (WTG) software models required for conducting the Grid Compliance Study, in accordance with the applicable CEA guidelines and statutory requirements.	We shall provide PSCAD/PSSE model for single WTG to the 3rd party appointed by the Solar Contractor, after signing NDA with such third party, so that the park level grid study can be carried out by the Solar Contractor. We request for an amendment in this regard.		Please refer the Amendment_1.
81	Sec. -VII / Sub-Sec. A: Scope of Works / Page 14 of 19: Page: 18	7.1	7 Installation, Testing and Commissioning The Scope of Installation, Testing & Commissioning covered under this specification shall be but not limited to the following: 7.1 Statutory Approvals: Obtaining statutory approvals / clearances, wherever required, from Government departments but not limited to the following: a. State Renewable Energy Development Agency b. State Power Utilities c. Electrical Inspectorate (CEIG) d. State Load Dispatch Centre e. Other applicable permissions / clearances relevant for the Project site. Copy of documents of all such clearances taken should be submitted to the Employer	The Scope towards statutory approvals for the wind project shall be obtained by SECI as applicable. However, our scope shall be limited WTG and 33 kV lines (outside boundary of PSS). We hope SECI has obtained the GO from Govt. of Andhra Pradesh for the entire Wind, Solar and BESS capacity. We request for suitable clarification in this regard.		All statutory approvals/ permissions/ clearances pertaining to the Contractor's scope of work shall be obtained by the Wind Contractor. For grid connectivity, the Solar + BESS Contractor shall be responsible for the overall connectivity works; however, the Wind Contractor shall provide all necessary technical inputs, documents, studies, approvals and coordination/support required for obtaining connectivity approvals and execution of the associated works (As mentioned in other section of the document).
82	Sec. -VII / Sub-Sec. A: Scope of Works / Page 16 of 19: Page: 20	7.4.1	7.4.1 The Contractor shall be responsible for all the required activities for maintenance and successful running of the WTGs for:..... g) General up keeping of all equipment, building , roads etc.	As we shall not be constructing any building therefore such activity shall not be part of our scope. We request for suitable clarification in this regard.		"building" may be referred to as the storage building & office building. Please refer the Amendment_1.
83	Sec. -VII / Sub-Sec. A: Scope of Works / Page 17 of 19: Page: 21	7.5	Employer shall be given online access to the real time SCADA Data at its head office so as to visualise the plant operation and performance status on real-time basis.	Please note that as per Cl.4 (S.No. 22) under Sub-Section A: Scope of Works, Design, Supply & Installation of SCADA & Integration shall be in Solar+BESS Contractor's Scope. Therefore, the access to real time SCADA data shall not be in our account. We request for an amendment as per above submission.		Please refer the Amendment_1.
84	Sec. -VII / Sub-Sec. A: Scope of Works / Page 18 of 19: Page: 22	7.9	Maintenance: The Contractor shall draw the preventive maintenance schedules for daily, monthly and yearly and attend to the breakdowns keeping in view that the machine availability is always more than 98% during high wind season and 96% during lean wind season. A copy of such Preventive Maintenance Schedule shall be submitted to the Employer. The Contractor shall carry out the periodical/plant maintenance as given in the manufacturer's service manual and perform minimum two certified services per annum. Such programme for all the equipment shall be prepared as per operating manuals of manufacturer's and shall be implemented in letter and sprits.	We request SECI as under: 1) The machine availability guarantee shall be offered on financial year basis i.e. High Wind Season (HWS) from April to September and Low Wind Season (LWS) from October to March. accordingly, the machine availability factor shall be guaranteed for HWS and LWS. 2) It shall be difficult to offer 98% machine availability during the high wind season for the wind farm (i.e. WTG, SPSS and 33 kV network outside the boundary of PSS), as we will hardly get any time for maintenance activities, in case any breakdown is experienced. Accordingly, we request SECI to consider machine availability for the wind farm during HWS as 97% and during LWS as 96% for the whole wind farm. We request for an amendment as per above submission.		Please refer the Amendment_1.
85	Sec. -VII / Sub-Sec. A: Scope of Works / Page 19: Page: 22	7.10	Regular periodic checks of the WTGs shall be carried out as a part of routine preventive maintenance during low wind period. In order to meet the maintenance requirements stock of consumables are to be maintained as well as various spare as recommended by the manufacturer at least for 2 years to be kept for usage. This shall also include maintenance of other major equipment involved in wind energy farm like overhead line equipment, switchgear, outdoor 33 kV VCB kiosk and metering panel.	We request SECI to delete the requirement of stocking the mandatory spares & consumables for 2 years in view of machine availability guarantee being provided by us under the Comprehensive O&M, which shall include making available of all the required spare parts & consumables, as and when required. We shall be storing the fast-moving spares and consumables locally based upon our experience of handling of large-size wind power project and it should not be mandatory to have spare for 2 years of usage. We request for an amendment in this regard.		Mandatory Spares as per the GA-D & subsequent amendment to be provided. Please refer the Amendment_1.
86	Sec. -VII / Sub-Sec. B: TS-Electrical / Page 8 of 45: Page: 31	2.4	2 Tower 2.4 The towers shall be provided with facilities like lift & other convenient climbing devices etc. for safe access to the nacelle and to the aerodynamic brakes. The safety ropes & belts shall be made available by the contractor as and when required during the construction period and O&M period. The necessary foundation bolts should be supplied along with the tubular towers.	As per the design of our WTG model, we shall be able to provide the motorized Climb Assist System which will assist in effortless movement of a person in upward & downward directions, operated in manual / auto mode. We request for a suitable amendment for acceptance of this design.		"Lifts or or equivalent motorized personnel climbing/access system" shall be acceptable. Please refer the Amendment_1.
87	Sec. -VII / Sub-Sec. B: TS-Electrical / Page 8 of 45: Page: 31	2.5	2 Tower 2.5 If tubular towers are offered and the local control panels and associated electrical equipment are installed inside the tower, lockable door shall be provided at the base of the tower. In case of lattice type or RCC tower, a separate electrical room with adequate protection against weather and unauthorized entry shall be provided.	In our WTG design, the panels are placed inside Transition Adapter above the lattice tower portion, with locking arrangement for restricting unauthorised entry. Therefore, no separate room is required for our hybrid lattice towers. We request SECI to provide suitable clarification in this regard.		Accepted.
88	Sec. -VII / Sub-Sec. B: TS-Electrical / Page 14 of 45: Page: 37	10.14	Auxiliary power requirement for contactor/relays/control electronics etc. shall be met through a UPS. Its capacity and backup shall be mentioned. Requirement of important control element are mentioned below: Minimum backup period for UPS shall be half (1/2) hour and accordingly battery capacity shall be provided for UPS.	For Auxiliary power requirement and safe shutdown of control system required 175 sec, However UPS has maximum back up time up to 10 Mins for required auxiliary load. We request SECI to provide suitable clarification in this regard.		Tender provisions shall Prevail.

89	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 18 & 19 of 45: Page: 14	14.4	14 Electrical System for Interfacing with the Grid 14.4 The Contractor's scope of work shall include providing all necessary technical, engineering and documentation support to the Solar + BESS Contractor for obtaining requisite approvals from the concerned State Transmission Utility (STU)/ Central Transmission Utility (CTU), and/or any other identified statutory authority having jurisdiction over the Project. Such support shall include, but not be limited to, the following: a) Preparation, review and validation of technical documents, drawings and calculations related to the detailed grid tie-up and power evacuation scheme. b) Coordination for submission of applications, technical data sheets, protection schemes, SLDs, load flow studies, short circuit studies and any other documents as required by the approving authority. c) Participation in technical discussions, review meetings and clarification sessions with the concerned authority. d) Incorporation of comments/observations issued by STU/CTU/identified authority and revision of documents accordingly. e) Assistance in compliance with applicable Grid Code, CEA regulations and connectivity conditions relevant to the Project.	Our scope shall be limited to providing PSCAD/PSSE model for single WTG to the 3rd party appointed by the Solar Contractor, after signing NDA with such third party, so that the park level grid study can be carried out by the Solar Contractor through its appointed 3rd party agency. Beyond providing such WTG level model, the entire scope for Plant level Grid Study shall be to Solar Contractor's account including preparation of necessary drawing / documents etc. and providing clarifications to the concern authorities. However, in case any clarification is sought for our WTG related model, same shall be responded suitably by us. The WTG controller settings being part of our design and being proprietary in nature, we shall not be able to submit such details. We request for an amendment in this regard.		Please refer the Amendment_1.
90	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 21 & 22 of 45: Page: 44	14.10	14.10 Fencing, Safety and Statutory Compliance: The transformer area for each WTG shall be provided with a secure fencing arrangement in accordance with: a) Requirements of the Chief Electrical Inspector to Government (CEIG) b) Applicable provisions of the Central Electricity Authority (CEA) Regulations c) Relevant STU/CTU connectivity and safety requirements d) Applicable IEC safety standards, including IEC 61936-1 (Power Installations Exceeding 1 kV AC). The fencing shall: a) Prevent unauthorized access to energized equipment. b) Maintain minimum statutory safety clearances. c) Include lockable gates and appropriate danger signage in accordance with IEC and statutory requirements.	The Skid Mounted Packaged sub-station (SPSS) design does not require any foundation, metal spreading, curb walls, fencing, gates, oil pits etc. Such SPSS design is acceptable to CEA / CEIG, and 'SPSS' are already operational in various CTU connected project in different states across country. Locking arrangement is provided in the SPSS perforated sheet metal housing panels. We request SECI to amend this clause accordingly.		The Contractor may propose and adopt alternative arrangements that comply with the applicable regulatory requirements and meet the functional requirements specified in the clause, subject to SECI's review and approval.
91	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 22 of 45: Page: 45	14.13	14.13 The Contractor shall submit a comprehensive Power Evacuation Scheme for review and approval by the Employer. The submission shall include, but not be limited to: a) Single Line Diagram (SLD) b) Load flow and short-circuit calculations c) Protection coordination study d) Conductor sizing calculations e) Voltage drop and loss calculations f) Details of grid interconnection point g) Compliance with grid connectivity and metering regulations.	The Power Evacuation system is comprising of PSS and the EHV line is not in our scope, therefore, we request SECI to delete this requirement. We request SECI to amend this clause accordingly.		Please refer the Amendment_1.
92	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 27 of 45: Page: 50	17.4	17 Central Monitoring and Control System (CMCS)/SCADA 17.4 Supply of power plant controllers (PPC) and development of entire energy plant (Solar + BESS + Wind) model in PSS/E & PSCAD software as per CTU/STU (as applicable) are in the scope of the Solar + BESS Contractor. Detail control logic in the PPC shall be finalized during detail engineering and same shall be in line with the above regulation requirements. CMCS/ SCADA and PPC network shall be suitably designed, so that PPC shall directly and independently able to control the individual WTG for active and reactive control.	As the proprietary data of the WTG gets accessed by PPC, therefore it will not be possible for us to provide direct acces of our WTGs to the Hybrid PPC being provided by the Solar Contractor. Our WTGs shall be mandatorily connected with the Slave PPC to be provided by us, the inputs of which shall be provided to the Master PPC under the scope of Solar Contractor. We request SECI to amend this clause as per above submission.		Accepted
93	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 29 & 30 of 45: Page: 52	C	C Inspection and testing 1.1 All major/critical items (towers, rotor blades, nacelle assembly, generators, transformers, and control panels) shall be inspected and tested through third party inspection agency during manufacture and in assembled condition prior to dispatch in accordance with the standard practice/ QAP of the manufacturer and applicable standards at no cost to Employer..... 1.4 SECI reserves the right to witness the tests on mutually agreed items / stages at manufacturing units..... 1.6 Inspection shall be carried out (through sampling method) on major items: towers, rotor blades, nacelle assembly, generators, transformers and control panels. For HT/EHT Circuit Breakers manufacturers test certificate shall be submitted. All other items like cables, conductors, relays and associated equipment/components shall confirm to relevant international/national standards..... 1.8 Factory Tests: 1.8.2 The testing of major critical least: c) Power system including generator, transformer, cables, primary & secondary power evacuation system components (CB, Isolator, LA, CT, PT etc) according to IEC/IS and factory standard test. d) Switch board, CRP, Control Panels including capacitor banks, according to IEC/IS and factory standard tests..... j) NDT (UT/MPI/LPT) on Tower / Mast, casted hub, casted nacelle / main frame, generator cantilever 1.8.3 SECI's involvement in testing of major items viz. tower, blades, hub, nacelle assembly, generator, control panels, transformers, switchgears, conductors, cables, etc. shall be as per mutually agreed MQP/QAP.	1.1 & 1.4 : No stage inspection during manufacturing or any of the equipment / components will be possible to offer, as allocation of WTGs happens only after the components are assembled in the manufacturing plants. 1.6 : We shall be able to offer 10% of the ordered quantity of WTGs major critical components as per QAP viz. (Nacelle/Hub Assembly, Tower & Rotor Blade) & Transformer for inspection at final assembled condition prior to dispatch. No separate inspection will be offered for gearbox & generator as these sub-components taken from our existing stocks / store & thus assembled in the Nacelle Assembly, considered as a single unit. The test program for various components shall be as per respective component QAPs only, which shall be submitted during detail engineering. 1.8.2 (c & d) : All electrical equipment for 33 kV line works (CT, PT, Isolator, HT switchgear panels, CRP etc.) shall be comply with relevant IS and no test certificate shall be submitted thereof. The Generator is already getting covered under WTG nacelle assembly. 1.8 (j) : The testing shall be carried out as per OEM's manufacturing QAPs. 1.8.3 : The inspection of WTG components shall be offered by us in the assembled condition prior to dispatch @ 10% of the ordered quantity of WTGs major critical components as per QAP viz. (Nacelle/Hub Assembly, Tower & Rotor Blade) & Transformer. Further, as the quantity of electrical items to be used on 33 kV line like Isolator, LA, CT, PT, conductor etc., is very less which shall be used by us from our existing stock and therefore		1.1 & 1.4. Terms & Condition prevailed. 1.6. Routine/ Acceptance test will be conducted on each WTGs. Special/ Type Test will be conducted on 10% of the total quantity as per mutually agreed MQP/QAP. 1.8.2 (c & d): Tender provisions shall Prevail. 1.8 (j): Tender provisions shall Prevail. The testing shall be carried out as per mutually agreed MQP/QAP. 1.8.3: Tender provisions shall Prevail.

94	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 31 & 32 of 45: Page: 54	D (4)	4 Detailed Contour Survey & Soil Investigation of the Site 4.1 A detailed contour survey with 5m contour interval shall be carried out and drawings prepared by the Contractor. Boundary stones of approx. 1 ft. (H) x 6"(W) x6"(Th), shall be fixed for identification of land. The Contractor shall also be responsible for detailed soil investigation at all WTG locations for the purpose of finalization of foundation system. The Contractor should conduct soil test on their-own and design structures accordingly.	Details for topography are taken from Google earth and no physical survey is conducted in wind industry. As the land is not being provided by us, therefore, fixing of boundary stones shall not be in our scope and needs to be deleted. We request for an amendment in this regard.		Tender provisions shall Prevail.
95	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 33 of 45: Page: 56	6.2.7	6.2.7 For erosion control, stone pitching/soil filled geocell with vegetative cover may be adopted. For stone pitching, the area to be pitched shall be trimmed and any loose material re-compacted. Pitching shall be laid on a bed of approved granular material. For soil filled geocell with vegetative cover following technical specification may be followed.	The stone pitching and geocell will not be applicable for Bidder's turbine however suitable land grading will be provide for erosion control. OEM foundation construction drawings will be followed. We request for a suitable clarification in this regard.		The methods indicated in the Tender are suggestive and not exhaustive. The Contractor may propose and adopt alternative erosion-control measures during detailed engineering, subject to SECI's review and approval.
96	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 35 of 45: Page: 59	E (1.2)	E Safety Requirements for Wind Turbine Generator and associated Equipment 1.2 Wind Turbine Tower shall have either of the following provision for climbing to the nacelle of WTG. 1.2.1 Provision for lift: The adequate capacity lift (at least two-person capacity) shall be provided for the units having tower height of 80 MT and above. The lift shall be approved & certified by statutory authority/ lift inspector. During O&M phase the statutory testing & certification of the lift shall be in bidder's scope. Lift shall be equipped with the emergency safety facilities such as over speed arrester. 1.2.2 Automatic dragging rope/climbing puller arrangement: An automatic dragging rope/climbing puller shall be provided, the equipment shall be provided with Nylon rope, which shall be suitably designed to share at least 30% of the weight of the person climbing the rung ladder. This is to facilitate the effortless climbing by a person while using the rung ladder. The operating instructions for safe use of climb puller shall be attached at the base of tower.	As per the design of our WTG, we shall be able to provide the motorized Climb Assist System which will assist in effortless movement of a person in upward & downward directions, operated in manual / auto mode. We request for a suitable clarification for acceptance of this design.		Please refer the Ammendment_1.
97	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 36 of 45: Page: 59	E (1.7)	E Safety Requirements for Wind Turbine Generator and associated Equipment 1.7 Rescue plans: Rescue plans showing the way to emergency exit (highlighted by emergency lighting) should be provided at following locations i) In the nacelle assembly ii) Near entrance of platform at each level iii) At the entrance at Tower bottom.	As per our WTG design, rescue plan is provided in Nacelle assembly and Transition Adapter above Hybrid Lattice tower portion, which is acceptable to PSUs like NTPCREL. We request for a suitable clarification for acceptance of this design.		Accepted.
98	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 36 & 37 of 45	E (1.10)	E Safety Requirements for Wind Turbine Generator and associated Equipment 1.10 Fire extinguishers: Dry chemical type Fire extinguishers of suitable capacity as necessary shall be provided at following locations i) Nacelle Assembly ii) Base of the tower iii) 33 kV Substation. iv) Inside the lift (as applicable)	As per our design of WTG model being offered, the Fire extinguisher shall be provided in the Transition Adapter piece of the Hybrid Lattice tower in place of Base of the Tower. Further, provision of fire buckets shall be there inside the SPSS as fire extinguishers are not kept inside the SPSS considering theft. However, during maintenance actities, the necessary arrangement for fire safety shall be taken care by our O&M team. Request to provide suitable amendment in this regard.		Requirement of the same will be decided during detailed engineering.
99	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 37 of 45	E (1.15)	E Safety Requirements for Wind Turbine Generator and associated Equipment 1.15 Lighting arrangement 1.15.1 Adequate lighting arrangement shall be provided at basement of the tower, near ladder, critical maintenance areas inside tower, nacelle assembly	Illumination arrangement shall be there inside the panel i.e. CRP and marshalling box, VCB panel in the SPSS. However, there shall not be any lighting arrangement for the area due to remote location, theft and movement of unwanted personnel etc. near the HT yard area. Request to provide suitable amendment in this regard.		Requirement of the same will be decided during detailed engineering.
100	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 39 of 45	H (1.2)	H Documentation and Submittals 1. General Requirements: 1.2 All documentation shall be submitted in the English language and shall be sufficiently detailed, clear, and instructional to enable operation, maintenance, troubleshooting, repair, and modification of the plant without reliance on the manufacturer's technical support. Manuals and miscellaneous documentation shall be provided in properly bound volumes as well as in editable soft copy format.	Please note that Manuals are Intellectual property of OEM / Bidder and therefore such details cannot be shared in editable formats. However, we shall provide the O&M Manuals in .pdf format through email or similar transmittal. We request to amend the clause accordingly.		Accepted.
101	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 39 of 45: Page: 62	H (2) (e)	H Documentation and Submittals 2. Requirement of Single WTG unit Simulation model & Benchmarking report: e) WTG controller settings shall be compliant with CEA Grid Connectivity Regulations and submitted as part of the documentation.	Our scope shall be limited to providing PSCAD/PSSE model for single WTG to the 3rd party appointed by the Solar Contractor, after signing NDA with such third party, so that the park level grid study can be carried out by the Solar Contractor through its appointed 3rd party agency. Beyond providing such WTG level model, the entire scope for Plant level Grid Study shall be to Solar Contractor's account including preparation of necessary drawing / documents etc. and providing clarifications to the concern authorities. However, in case any clarification is sought for our WTG related model, same shall be responded suitably by us. The WTG controller settings being part of our design and being proprietary in nature, we shall not be able to submit such details. We request for an amendment in this regard.		Please refer the Ammendment_1.

102	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 41 of 45: Page: 62	H (2) (i, j & k)	H Documentation and Submittals 2. Requirement of Single WTG unit Simulation model & Benchmarking report: i) Controller & Model Parameter Table: A consolidated table of WTG controller settings and RMS/EMT model parameters for all control functions shall be included. j) Model File Submission: • PSS@E: .sav, .dyr, .py, .ldv, .sld, .out files • PSCAD: .pscx files and all supporting library/dependency files. k) The conclusion section shall include a summary table listing all benchmarked models and their compliance status. The deviation between simulation results and actual field measurements shall be minimized	Our scope shall be limited to providing PSCAD/PSSE model for single WTG to the 3rd party appointed by the Solar Contractor, after signing NDA with such third party, so that the park level grid study can be carried out by the Solar Contractor through its appointed 3rd party agency. Beyond providing such WTG level model, the entire scope for Plant level Grid Study shall be to Solar Contractor's account including preparation of necessary drawing / documents etc. and providing clarifications to the concern authorities. However, in case any clarification is sought for our WTG related model, same shall be responded suitably by us. The WTG controller settings being part of our design and being proprietary in nature, we shall not be able to submit such details. We request for an amendment in this regard.		Please refer the Amendment_1.
103	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 41 to 43 of 45: Page: 66	3	3. Engineering Submittals: necessary submittals shall be finalized during the detailed engineering stage as per the mutually agreed & finalized MDL. as per the The Contractor shall provide three copies of the following information, drawings and documents, within four weeks of the placement of order:..... c) Technical particulars, design calculations, drawings, and valid Type Test Reports for the entire 33 kV overhead transmission system connecting the Unit Sub-Station (USS) of each WTG to the dedicated incoming feeder of the Pooling Switchgear at the pooling substation. The scope shall include, but not be limited to, line conductors, poles/towers, insulators, cross-arms, line hardware fittings, stay sets, g) The Bidder/OEM shall submit the complete protection philosophy and scheme for the WTG and Unit Sub-Station, including protection functions, relay settings philosophy, coordination studies, interlocking logic, redundancy philosophy, fail-safe features, and interface with pooling substation protection. Detailed protection single-line diagrams,..... j) Comprehensive wind farm layout drawings shall be submitted showing the locations of WTGs, internal roads, crane pads, overhead/underground electrical lines, Unit Sub-Stations, pooling substation, control rooms, buildings, drainage, boundary fencing, and access routes. The layout shall indicate statutory clearances, right-of-way, land parcel boundaries, and interfaces with external infrastructure. All layouts shall be coordinated with civil, electrical, and environmental designs and shall be submitted in editable and PDF format.	c) : It shall be difficult to submit the design / calculation / relay setting/ .dwg format / editable format with detailed design and engineering information and to get the same approved from SECI shall not be possible, as all such details, design, drawings etc. are part of propriety information, which cannot be shared / submitted. g) : We will not be able to share the relay setting philosophy / details and any other WTG related proprietary information. However, we shall provide note on protection philosophy covering WTG and SPSS. j) : We shall not be able to provide Comprehensive wind farm layout drawings, but we shall provide the wind farm layout drawing covering the WTG locations and 33 kV line up to pooling substation. We request for an amendment in this regard.		c) Accepted. G) Accepted. J) Accepted
104	Sec. -VII / Sub-Sec. B: TS- Electrical / Page 43 to 44 of 45: Page: 67	4	4. Final Handover / As-Built Document Set: To be submitted within four (4) weeks from completion / commissioning. The Contractor shall submit three (3) hard copies and two (2) soft copies of the following: a) Approved Technical Documents: All drawings, specifications, and technical documents as per which the works were executed. b) As-Built Drawings: As-built drawings shall reflect all site modifications and final installed configuration. • Four (4) sets of hard copies • Two (2) sets of soft copies (USB/drive)	Hard copies of any drawings & documents is not being submitted now-a-days. It is suggested that a soft copy in .pdf format be submitted by the Contractor through email towards such relevant drawings & documents (post award as well as in As-built form) which is prudently practiced in wind industry. We request SECI to delete the requirement of submission of hard copy & soft copy in USB / Drive of drawings & documents and issue an amendment in this regard.	Tender clause prevail.	Tender condition shall prevail
105	Sec. -VII / Sub-Sec. C: General Annex. D: Mandatory Spares / Page 2 of 4: Page: 82	1	1. Scope: The EPC Contractor shall supply mandatory spares for the Wind Turbine Generators (WTGs), Balance of Plant (BoP), Pooling Substation (PSS), and Transmission System as specified herein. The spares shall be sufficient to ensure: a) Trouble-free operation during the Defect Liability Period (DLP) b) Minimization of turbine downtime c) Compliance with guaranteed availability d) Smooth transition to O&M phase All spares shall be new, unused, of latest revision, and identical to the equipment supplied.	We request SECI to remove the scope of mandatory spares to be supplied by the bidder in view of the Comprehensive O&M being provided by us, which shall include making available all the required spare parts & consumables, as and when required for Wind Scope. In view of above, we request SECI to delete the requirement of Supply of Mandatory spares.		Mandatory Spares as per the GA-D & subsequent amendment to be provided. Please refer the Amendment_1.
106	Sec. -VII / Sub-Sec. C: General Annex. D: Mandatory Spares / Page 2 of 4: Page: 82	2	2. General Requirement: a) All mandatory spares shall be supplied along with main equipment. b) Spares shall be packed, labelled, and stored suitably for minimum 5 years shelf life. c) Part numbers, drawings, and catalogues shall be provided. d) Shelf-life sensitive items shall include manufacturing & expiry date. e) Recommended storage conditions shall be clearly indicated.	We request SECI to remove the scope of mandatory spares to be supplied by the bidder in view of the Comprehensive O&M being provided by us, which shall include making available all the required spare parts & consumables, as and when required. In view of above, we request SECI to delete the requirement of supply & storage of Mandatory Spares and submission of its details (Part numbers, drawings, catalogues, manufacturing & expiry date) of spares.		Mandatory Spares as per the GA-D & subsequent amendment to be provided. Please refer the Amendment_1.
107	Sec. -VII / Sub-Sec. C: General Annex. D: Mandatory Spares / Page 2 & 3 of 4: Page: 82	3	3. Mandatory Spares Item & Quantity:	We request SECI to delete the scope / requirement of mandatory spares to be supplied by the bidder in view of the Comprehensive O&M being provided by us, which shall include making available all the required spare parts & consumables, as and when required. In view of above, we request SECI to delete the requirement of spares.		Mandatory Spares as per the GA-D & subsequent amendment to be provided. Please refer the Amendment_1.

108	Sec. -VII / Sub-Sec. C: General Annex. E: Plant Documentation, Commissioning and Test Procedure / Page 3 & 4 of 11: Page: 86	3 (b)	3 Commissioning 3.1 Scope of Commissioning: The Contractor shall be responsible for complete commissioning of the Wind Turbine Generator (WTG) package including but not limited to mechanical completion, electrical completion, grid synchronization, SCADA integration, trial operation, performance testing, reliability run & taking-over. Note: b) In case of delay in readiness of the Pooling Substation, the associated commissioning-linked payment milestones of the WTG EPC Contractor shall stand deferred without prejudice to the WTG EPC Contractor's entitlement to payments already due for Mechanical Completion and Electrical Completion, provided the WTG EPC Contractor	We request SECI to considered release of payment towards commissioning of WTGs under deeming provision, in case the pooling substation completion gets delayed. SECI shall have the Contract Performance Security available as a security. Further, the charges towards extension of EAR insurance policy and the Contract Performance Security should also be reimbursed to the WTG Contractor, if the completion of pooling substation is delayed beyond contractual completion period. We request for amendment of this condition.		Please refer the Amendment_1.
109	Sec. -VII / Sub-Sec. C: General Annex. E: Plant Documentation, Commissioning and Test Procedure / Page	3.4	3.4 Trial Operation: Each WTG shall undergo continuous trial operation for minimum 240 hours without major failure. Successful trial operation is defined as: a) Continuous operation at variable wind speeds b) No major component failure c) Compliance with vibration, temperature and operational limits	A 240-hour trial operation requirement is not applicable to wind projects and never asked in PSU tenders like NTPC. We request SECI to remove such requirements from this clause, which is meant for thermal or conventional power plants etc. We request for an amendment in this regard.		Tender condition shall prevails.
110	Sec. -VII / Sub-Sec. C: General Annex. E: Plant Documentation, Commissioning and Test Procedure / Page 5 of 11: Page: 88	3.5	3.5 Performance Guarantee Tests (PGT): Following successful completion of Trial Operation and Grid Synchronization, the Contractor shall carry out Performance Guarantee Tests (PGT) for each WTG in accordance with the applicable provisions of IEC 61400 series and other relevant international standards, OEM manuals, and Employer's technical requirements. a) Power curve guarantee test. B) Short term performance test	As per prudent industry practice, the Power Curve / Performance Guarantee (PG) Test is conducted on one representative WTG of the wind project and not on each individual WTG. Accordingly, we request SECI to delete the requirement of conducting PG Test on each WTG and amend the clause. Further, Short term performance test (STPT) is carried out for 96 hours post commissioning and stabilization of WTGs. However, there is no guidelines provided for STPT under IEC 61400. We request for STPT from PG test and be indicate it separate clause. We request for an amendment based on above mentioned details.		Please refer the Amendment_1.
111	Sec. -VII / Sub-Sec. C: General Annex. E: Plant Documentation, Commissioning and Test Procedure / Page 5 of 11: Page: 88	3.6	3.6 Reliability Run: Each WTG shall complete a minimum 30-day Reliability Run demonstrating: a) Minimum Technical Availability: As specified in Annexure-2 of Sub-Section F. b) No repeat failure of critical components c) Compliance with alarm limits	Please note that a 30-day Reliability Run demonstration is not applicable for Wind Power Projects and STPT of 96 hours is relevant for Wind Project. Accordingly, we request SECI to delete the requirement of 30-day Reliability Run from the tender/document and align the provision with prevailing wind industry practices and accepted performance evaluation standards.		Please refer the Amendment_1.
112	Sec. -VII / Sub-Sec. C: General Annex. E: Plant Documentation, Commissioning and Test Procedure / Page 7 of 11: Page: 90	3.7.1 (d & e)	3.7 Performance Guarantee Tests for Wind Plant 3.7.1 Power Curve Guarantee Test Procedure d) Test Period and Duration The Test shall be conducted during first high wind season after completion of stabilization period of 60 days from the commissioning. The duration of the data measurement period shall be minimum 3 months and shall be continued till the time the desired completeness of the datasets as stipulated in the IEC standard is achieved. e) Data Collection and Analysis The data recorded at the test wind mast and the power output data recorded at the metering system installed at LCS shall be collected on daily/weekly basis and analysed for its appropriateness, any error, adequacy and the data completeness to derive the measured power curve as per the IEC standard. Database shall be considered complete when it has met following criteria • Atleast 3 datasets (10-minute average, i.e. 30-minute data) for each wind speed bins shall be achieved as well as the peak wind speed conditions shall be achieved. • Total duration of the measurement period (database) includes at-least a minimum of 180 hour of sampled data.	d) : As per NIWE, the PCVT is to be carried out for 1400 hours only. We request SECI to amend this test duration. e) : As the PCVT is to be carried out as per IEC 61400-12-1 Edition 3.0 (2022-09), Table-1, in consultation with MEASNET accredited Consultant, therefore the data collection shall also be as per IEC guidelines. We request for an amendment as per above points.		d) Tender Condition prevails. E) Tender condition prevails.

113	Sec. -VII / Sub-Sec. C: General Annex. E: Plant Documentation, Commissioning and Test Procedure / Page 8 of 11: Page: 91	3.7.1 (g)	g) Verified Power Curve Performance Calculation The Validation of the Power Curve Performance shall be based on the Estimated AEP from the measured Power Curve of the test WTG as per above given procedure and the Estimated AEP from the Warranted Power Curve, both at the reference site air density. The AEP from both the measured Power Curve and the Warranted Power Curve at reference site air density shall be calculated based on a reference nominal wind speed distribution at the site. This could be the wind data from the reference wind mast installed by SECI at the Project site before start of the Project or any other mutually agreed wind speed distribution dataset. The Theoretical annual energy production (AEP) based on the Measured Power Curve of the Wind Turbine and the nominal wind distribution is called as the Measured Power Output (MPO) The Theoretical annual energy production (AEP) based on the Warranted Power Curve of the Wind Turbine and the nominal wind distribution is called as the Warranted Power Output (WPO) $VPC = \left(\frac{MPO}{WPO} \right) \times 100\%$ be used for the calculation of Verified Power Curve of the WTG: If VPC is greater than or equal to 98% then the Power Curve Guarantee	The Power Curve Verification Test (PCVT) shall be carried as per the below procedure: 1) WRA agency for PCVT shall be approved by SECI. 2) Site Certified power curve of the WTG provided by NIWE as considered in the contract corrected to recorded site air density shall then be applied to the above wind speed distribution to arrive at Gross Expected Energy Generation (GEEG). 3) Following factor shall be applied on GEEG for arriving at Net Expected Energy Generation (NEEG): (i) Grid Availability at actual (ii) Machine availability as actual recorded at control station. (iii) Wake losses at the actual factor for test turbine as per the final microsimulating of the complete windfarm by wind flow modelling software like WASP shall be considered. (iv) Other losses and uncertainties shall be as per relevant IEC Standard/WRA Agency. 4) The NEEG worked out as per the methodology given above shall be compared with the actual energy generated by the Test WTG as recorded by tri-vector meter during the test period. 5) If the actual generation recorded by the meter is equal to or more than 95% of the NEEG then the Turbine shall be deemed to have met the PCVT.		Tender provisions shall Prevail.
114	Sec. -VII / Sub-Sec. C: General Annex. E: Plant Documentation, Commissioning and Test Procedure / Page 9 of 11: Page: 92	3.7.2	3.7.2 Short Term Performance Test (STPT) Procedure for WTG a) The Short-Term Performance Test shall be conducted for each WTG of the Project within 60 days upon commissioning of the respective WTG. Before commencement of the test the Contractor shall inform to the Owner of its intention to conduct the test and the proposed start date for the test. Owner or its representative will have the right to witness the test. b) On start of the test all the initial readings shall be recorded. c) Test shall be conducted for 96 hours. The procedure for calculating machine availability for individual WTG is specified in Annexure-2 of Sub-Section F i.e: $MA = \frac{[D - (GF + FM + S + U)] \times 100}{D - (GF + FM)}$ D = Total number of hours in the applicable period GF = Grid Failure hours FM = Force Majeure hours S = Scheduled Maintenance hours U = Unscheduled / Forced Maintenance hours d) During the test the Wind Turbine shall achieve Machine Availability should be minimum 98%. h) If during the test the stoppage duration is more than 2 hours due to external causes like Grid drop, Force Majeure Conditions of Extreme Weather Conditions, the down hours which is above 2 hours will be extended from 96 hours test duration. 	There is no machine availability guarantee being provided during the STPT, since this test required the starting and stopping of WTGs for the demonstration of various operations. We request for an amendment in this regard as such condition is not practiced.		Machine Availability during the STPS should be more than 70%. Please refer the Amendment_1.
115	Sec. -VII / Sub-Sec. C: General Annex. E: Plant Documentation, Commissioning and Test Procedure / Page 11 of 11: Page: 94	3.7.3 (b)	LD for Short Term Performance Test Failure If the Contractor fails to satisfy the STPT of a WTG within 60 (sixty) days from the Commissioning Date of the relevant WTG even after repeated tests, then Owner will have the right to reject the WTG and obtain a refund. Contractor will refund all amounts paid by Owner for that WTG along with interest cost (@13% (thirteen percent) per annum) from the date of payments made for WTG including Advance Payment. Said rejected WTG shall not be considered for Availability calculations.	There shall not be any penalty / LD on STPT since there is no machine availability guarantee being provided. Such a penalty mechanism is not prevalent in the wind industry. We request SECI to delete this condition from the tender.		Please refer the Amendment_1.
116	Sec. -VII / Sub-Sec. F: O&M Agreement / Page 5 of 43: Page: 130	2.14	The Employer and its authorized representatives shall have unrestricted access to all real-time and historical Wind Plant data through the Plant SCADA system during the Contract Period. The Wind Contractor shall remain responsible for communication healthiness, signal availability, and correctness of integrated Wind Plant data and controls.....	Please note that as per Cl.4 (S.No. 22) under Sub-Section A: Scope of Works, Design, Supply & Installation of SCADA & Integration shall be in Solar+BESS Contractor's Scope. Therefore, the access to real time SCADA data shall not be in our account. We request for an amendment as per above submission.		Please refer the Amendment_1.
117	Sec. -VII / Sub-Sec. F: O&M Agreement / Page 7 & 8 of 43: Page: 133	4.0	4 PERFORMANCE STANDARDS Contractor shall perform its obligations under the contract in compliance with the contract and otherwise, as applicable, in accordance with the following order of precedence (collectively, the "Performance Standards") as from time to time in force: 4.1.10 Any relevant and reasonable instructions issued by the Employer, relevant to the scope of the contract, to the Contractor at least 15 days before the implementation of such instructions without any cost to the Contractor. 4.1.12 Comply with all operation and maintenance obligations as set out under the PPA or do anything which results in a breach of the Employer's obligations under the PPA.	4.1.10 : The Scope as defined in the tender shall be complied by us. Any instructions based on inference is open ended and has commercial liability attached, therefore such instruction is not possible to implement / comply without any additional cost paid by SECI. We request SECI to delete this condition or else compliance shall be at an additional cost to SECI's account. 4.1.12 : There shall not be any linkage of PPA obligation of SECI with this project, and we shall not be able to comply all such condition accepted by SECI and there shall be no liability to the bidder on such account. We request for deletion of such conditions. An amendment on both the above-mentioned points may be issue, otherwise it shall be difficult to bid in this tender.		Please refer the Amendment_1.

118	Sec. -VII / Sub-Sec. F: O&M Agreement / Page 23 of 43: Page: 148	19.2	Employer's Permits Contractor, on behalf of the Employer, shall obtain and maintain all Permits and any Permits required by Applicable Law to be obtained in the name of the Employer in order to (i) perform Employer's obligations under the contract and (ii) enable Contractor to lawfully access the Site at the point of entry to the Site and the Plant].	Charges for any statutory approvals post commissioning of WTGs for wind power project shall be to the account of SECI and such charges shall be paid directly by SECI to such agencies. We request for an amendment in this regard.		Accepted
119	Sec. -VII / Sub-Sec. F: O&M Agreement / Page 27 of 43: Page: 152	26 (e)	26 INSURANCE (e) All other insurance like – transit insurance (Marine/ Cargo/ others as applicable), Construction All Risk, Erection All Risk, workmen compensation, fire, third party liability, insurance against Insurance against theft, fire, act of God , Contractor's Equipments, machinery breakdown policy, business interruption insurance, Property damage Insurance & Environmental risk insurance as required during the O&M period of the Plant shall be in the contractor's scope & shall borne by the Contractor.	SECI being the Owner of the project shall have to take out all the insurances for the wind project including but not limited to insurance covering the risk of theft, burglary, house breaking, third party liability cover due to Fire & Act of God ("AOG") perils, and/or such other risks as may be suitable for SECI including business interruption insurance, Property damage Insurance & Environmental risk insurance, from the date of commissioning of first WTG and to be renewed every year during the course of O&M contract.		
120	Sec. -VII / Sub-Sec. F: O&M Agreement / Page 29 & 30 of 43: Page: 154	26.3.6	26.3.6 The required coverages referred to and set forth in this Article 33 (Insurance) shall in no way affect or limit the Contractor's liability with respect to its obligations under the Contract. The Contractor shall also arrange suitable insurance to cover following during the O&M Period: (a) Machinery Breakdown: Electrical & or machinery breakdown of any machinery or other equipment resulting in costly repairs or even replacement of the wind turbines. (b) Business Interruption: Cover for period of operational downtime i.e., covering the cash flow of the wind business as a result of an insured peril, for example fire or storm damage, machinery breakdown or equipment failure. (c) Property Damage: The insurance should cover material damage due to external causes such as fire, theft, vandalism, sabotage, hail damage, snow load, lightning strike, overload, operational mistakes, clumsiness, negligence & theft. (d) Employers Liability: Provides cover against the risk of accident from usual workplace risks such as working at height & manual handling during construction & O&M period. (e) Environmental Risk Insurance: Environmental damage coverage indemnifies wind system owners of the risk of either environmental damage done by their development or pre-existing damage on the development site.	The Owner shall file the claims for all the aforementioned insured events. The Owner shall provide a copy of such insurance policy/ies to the O&M Contractor. The Owner shall be solely liable for any loss incurred / suffered by it, due to its failure to obtain the insurance policy/ies, or due to any shortfall or insufficiency or short settlement in the insurance cover or claim. Rectification/restoration of the affected Assets Under Management (AUM) (i.e. WTG, SPSS & 33 kV line up to PSS) shall commence only after the insurance survey and other formalities required by the insurance company for making such claims and confirmation from the Owner. However, the O&M Contractor shall commence the rectification/ restoration of the affected AUM only upon receipt of 100% (hundred percent) of the agreed advance payment from the Owner & all the O&M related warranties for such AUM / WTG shall be put under abeyance till its restoration. However, we shall not be taking any machine breakdown policy for the WTGs and shall bear the risk of same without taking any insurance policy. Further, we shall take the necessary insurance for our manpower towards Group Personnel Accidental Insurance (GPA) and Medicaid insurance. We request SECI for an amendment in the insurance clause as per above.		
121	Sec. -VII / Sub-Sec. F: O&M Agreement / Annexure-1: Scope of Work for O&M/ Page 32 & 33 of 43: Page: 157	xvii	xvii) Contractor shall arrange necessary security personnel for watch and ward of Wind Package facilities within its scope during the O&M Period.	Security services shall be provided as per industry practice i.e. QRT etc., individual person will not be possible for deployment for every lot of WTGs and compiling the specific requirement. We request SECI to provide suitable clarification in this regard.		Clarification: The Contractor shall arrange adequate security/watch and ward arrangements for all Wind Package facilities during the O&M Period. Deployment may be through QRT/mobile security patrols or other suitable arrangements based on the Contractor's security assessment and industry practice; individual security personnel at each WTG/lot are not mandatory, provided adequate security coverage of all facilities is ensured.
122	Sec. -VII / Sub-Sec. F: O&M Agreement / Annexure-2: Functional	1 (A)	1. Machine Availability A. Definition: Machine Availability includes the availability of WTG as well as the power evacuation system for Wind energy up to interface with the system of power utility, i.e. Hill Pooling Substation .	The battery limit for machine availability shall be up to the PSS boundary and beyond which the scope shall be of Solar Contractor. We request for an amendment in this regard.		Please refer the Amendment_1.
123	Sec. -VII / Sub-Sec. F: O&M Agreement / Annexure-2: Functional Guarantees/ Page 37 of 43: Page: 162	1 (C)	C. Guaranteed Machine Availability: The Contractor shall maintain all WTGs so as to ensure average Machine Availability of the wind farm not less than: • 98% during high wind season i.e. 1st May to 31st October • 96% during low wind season i.e. 1st November to 30th April	We request SECI as under: 1) The machine availability guarantee shall be offered on financial year basis i.e. High Wind Season (HWS) from April to September and Low Wind Season (LWS) from October to March. accordingly, the machine availability factor shall be guaranteed for HWS and LWS. 2) It shall be difficult to offer 98% machine availability during the high wind season for the wind farm (i.e. WTG, SPSS and 33 kV network outside the boundary of PSS), as we will hardly get any time for maintenance activities, in case any breakdown is experienced. Accordingly, we request SECI to consider machine availability for the wind farm during HWS as 97% and during LWS as 96% for the whole wind farm. We request for an amendment as per above submission.		Please refer the Amendment_1.
124	SECTION - VII SUB-SECTION A Scope of Works	2	Design Life of Power plant - 25 years	Design life of offered WTG - 20 year	All WTGs currently deployed in India are designed for a 20-year design life, and extending the design life requirement to 25 years would not be technically feasible. Accordingly, it is requested that the requirement may please be amended suitably to align with the prevailing industry practice.	Tender provisions shall Prevail.
125	Technical		Evacuation System and Line Length	1. Kindly provide the indicative distance between the proposed WTG locations and the Wind Pooling Substation (PSS). 2. Kindly confirm the approximate distance between the Wind PSS and the 33 kV Switchgear/termination point identified under the project scope.		Please refer the Amendment_1.
126	Technical		Minimum CUF / Generation Requirement	1. The tender document refers to the "estimated long-term average annual CUF (P90value) for 20 years" and states that the same shall not be less than the percentagespecified under the Bid Evaluation Criteria. 2. However, we were unable to locate any specific minimum CUF (%), PLF (%), or minimum annual generation requirement in the tender documents. 3. Kindly clarify the minimum performance criteria applicable for the project, if any.		Please refer the Amendment_1.

127	Technical		RLMM Requirement	Kindly confirm whether the proposed Wind Turbine Generator (WTG) model is required to be enlisted under the applicable RLMM at the time of bid submission and/or prior to project execution.		Please refer the Ammendment_1.
128	Technical		Submission of NIWE Energy Yield Assessment Report	1. As per the tender requirements, bidders are required to furnish an NIWE-based Energy Yield Assessment (EYA) report. 2. Based on our previous experience, NIWE generally requires approximately 6-8 weeks or more to complete and issue the final report, which may not align with the bid submission timeline. 3. We therefore request clarification on whether submission of the NIWE report is mandatory at the time of bid submission or whether it may be submitted subsequently after bid submission/award of contract. 4. Further, we request the Employer to permit submission of an Energy Yield Assessment report prepared by a reputed independent third-party consultant at the time of bid submission, with the NIWE-certified report to be submitted subsequently, if required, prior to detailed engineering or project execution. 5. Kindly confirm whether such a provision would be acceptable for bid		Tender provisions shall Prevail.
129	Technical		Change of WTG Make/Model After Award	Kindly clarify whether the successful bidder will be permitted to change the proposed WTG make/model after award of the contract, subject to compliance with all tender requirements and achievement of the stipulated performance parameters, including minimum CUF/PLF/annual generation requirements, if applicable.		Please refer the Ammendment_1.
130	Technical		Project Layout Data / KMZ File	1. We request you to kindly provide the project KMZ/KML file, GIS coordinates, or any available layout indicating the proposed WTG locations, pooling substation location, site boundary, and evacuation facilities. 2. Availability of the spatial layout information will assist bidders in carrying out accurate route studies, cost estimation, evacuation design, internal infrastructure planning, and project optimization.		".KMZ" & ".dwg" file attached. For other details please refer the following amendment: Please refer the Ammendment_1.