

SOLAR ENERGY CORPORATION OF INDIA LIMITED						
New Delhi						
No. SECI/C&P/MI/0010/2022-23/Clarification-02				Date: 16.03.2023		
(RfS Document for Selection of Vendors for a work contract to Design, Manufacture, Supply, Transport, Installation, Testing and Commissioning of Off Grid Solar Photovoltaic Water Pumping Systems (SPWPS) of 1-15 HP capacities in selected States on PAN India basis, including complete system warranty and its repair and maintenance for 5 Years under Component-B of PM-KUSUM scheme of MNRE): Clarifications to the queries on the RfS (RfS No. SECI /C&P/MI/0010/2022-23)						
S. No.	Documents	Clause No.	Existing Clause	Proposed Modifications	Rationale/Remarks	SECI's response
1	RfS	16	SIA to seek any additional documents / certificates/ information it deems fit prior to releaser of payment. In case of non-compliance with terms & conditions of letter of award/ NTP, the payment due date shall start from submission of all necessary documents.	Request to remove this Clause. As additional requirement for Data is specified in the Corrigendum.		Already amended in Amendment-01 issued on 17.02.2023.
2	RfS	Format 7.18	In Table - Model Nos., as per MNRE specification, to be supplied by the firm	Please clarify , if we specify the Model Nos. in the table for the Type/ Category of Pumps, then will our empanelment be applicable only for the Model Nos mentioned. And we would need to submit test reports of only those Model Nos. For Example - If a company applies for 5 HP AC Submersible Motor Pumpset, but only mentions Model 6 in the table. Will then empanelment and test report only be required for Model 6 ?	Kindly allow for either separate pricing for different Model Nos. or allow Bidder to choose the Models that he can participate in within a Category of Pumps. As some farmers prefer to take a higher pump head , as they get extra HDPE Pipe, Cable etc.	The vendors will be empaned for the specific model for a particular category of the pump and bidder will be required to submit the test report of that model only and will be allowed to install that model of the pump in the state. For example:-If a company applies for 5 HP AC Submersible Motor Pumpset , but only mentions Model 6 in the table of Format 7.18 then it will be empaneled for model 6 only and test report for this model to be submitted to SIA.
3	RfS	Point 4 / 3.1 ©	Test certificate for all the models for which bid is submitted will be provided by the bidder before signing of agreement with the SIAs	Kindly allow for use of MNRE 2019 Specifications for 1 year after signing of agreement and then transition to MNRE 2023 specs. As development of components as per new specs & getting it tested will take time. This will not result in any sudden disruption to project.		Latest Specification issued by MNRE to be followed.
4	RfS	3.2.b	Vendor Shall Complete installation & commissioning of SPWPS within 120 Days from Date of Issue	Vendor Shall Complete installation & commissioning of SPWPS within 180 Days from Date of Issue	In Practical experience, we have seen that there are a lot of farmer related issues that take time to resolve. Hence 180 days is appropriate time for supply and installation.	The referred clause remains unchanged.
5	Amendment-01	Format 7.5	Bidding Consortium of two companies with one of the Companies as the Lead Member as per Consortium Agreement (Format 7.5) can submit bids under this RfS.	Request to share revised format 7.5 for Consortium Agreement. Or you will accept the existing Format with modification		Suitable amendments are being issued to the referred clause.
6	RfS	Format 7.8 A	To be submitted by all such bidders in which a common Company/companies directly/indirectly own(s) more than 10% but less than 26% shareholding	kindly confirm Format 7.8A mandatory if the lead bidder is own 100% shareholding		Not Applicable in case of individual bidders.
7	Amendment-01	31.A	In case of an incident covered under insurance, bidder must replace the lost/damaged part within 7 days from the date of intimation....	In case of an incident covered under insurance, bidder must replace the lost/damaged part within 7 days from the date of Approval of claim by insurance company	Insurance companies need to conduct physical survey of site, vett the documents submitted by vendor and approve the claim IF ONLY it is found satisfactory. This part of the process is not in vendor's control. Sometimes insurance companies also reject the claim if they suspect wrongdoing. Vendor cannot assume responsibility in such cases.	The referred clause remains unchanged.
8	Amendment-01	31.B.3The amount will be first recovered from the PBG amount and the balance will be adjusted by SIA in release of payment to the concerned vendor.The amount will be first adjusted by SIA in release of payment to the concerned vendor and the balance will be recovered from the PBG amount	Since the overall work consists of many work orders and payment will be made after installation of each pump, it will be easier to deduct penalty from the balance payment rather than encashing the PBG.	The referred clause remains unchanged.
9	Amendment-01	31.B.3	SIA reserves the right to recover from the bidder a sum equivalent to 0.5 % of the value of the delayed SPWPS installation or on the unexecuted portion of the work for each week of the delay and part thereof subject to a maximum of 10 % of the total value of the contract	OMIT	There is already a provision for Liquidated damages in clause 33 of the original RfS. That clause should remain applicable.	Suitable amendments are being issued to the Clause 33 of the RfS.
10	SECI000093-404924	1(Page-41/66)	Guidelines on Testing Procedure for Solar Photovoltaic Water Pumping System	As per tender test certificates demand for all the models of each types of pumps set we hereby request you to consider. Highest Head for a particular HP of pump validates the Lower heads of the same HP to qualify the tender.		The vendors will be empaned for the specific model for a particular category of the pump and bidder will be required to submit the test report of that model only and will be allowed to install that model of the pump in the state. For example:-If a company applies for 5 HP AC Submersible Motor Pumpset , but only mentions Model 6 in the table of Format 7.18 then it will be empaneled for model 6 only and test report for this model to be submitted to SIA.
11	RfS	Format 7.14	We are agreeing to accept that the test certificates are to be submitted to the Implementing Agency, reports as per MNRE technical specifications and testing procedures issued in 2019 and amendments thereof, will be submitted by us within 30 days of issuance of Letter of Empanelment by Implementing Agency. In failure of which our empanelment will stand cancelled, without any prior intimation. These certificates shall be submitted either in original form or attested copy by the issuing test lab.	As per tender condition we agree to submit report within 30 day but providing all types of model wise report will takes 4 to 6 month duration request you considerd highest head for each model HP pump validated for lowest Head also Duration should also increase for submission of report as it depend on test Lab and receipt of test certification also acceptable in case of any delay. Sample submission also acceptable in that case of delay		Suitable amendments are being issued in Format 7.14.

12	RfS	31	The Comprehensive insurance of Solar Photo Voltaic Water Pumping System shall be provided for natural calamities, theft & burglary etc. during 5 years warranty period.	As a bidder we are responsible for providing insurance policy to Farmers , but providing material after incident without insurance company approval is total wrong process.		The referred clause remains unchanged.
13	RfS	16 Stage 1	90% of the value of month wise nos. of SPWPS installed at site based on. Stage-2: Balance 10% on Completion of one month from date of completion certificate	Please amend the payment terms: 90 % of the payment value must release after supply and installation of material and 10 % should be release after Performance report for one week after commissioning based on the accurate data of the parameters received from RMS or data logger in case of internet unavailability.		The referred clause remains unchanged.
14	SECI000093-7633709-	47	In order to allow States/SIA sufficient time to implement SPWPS based on the prices discovered under this tender, all prices discovered under this tender will remain valid for 24 months from the date of opening the price bids, which will be announced by MNRE/SECI. Within this 24-month period, empanelled vendors have no right of refusal to complete the allocated work	Price validity should be 12 months from the bid submission date, as present solar market price of raw materials is very day by day. Request you RC made validate for 12 months and if market is stable then further increase for 12 months taking consideration from bidder.		The referred clause remains unchanged.
15	Annexure IV	3.4.5	Total Harmonic Distortion (THD) of the AC output waveform of the inverter at the motor input of the motor pump set shall be less than or equal to 10% and further no individual harmonic shall exceed the limit of 6%. For checking its compliance it should be done as per IS 16221.	For inverter having Non Sinusoidal Output Wavform like BLDC motor controller THD limit should be Extend to 40% as per clause no 4.7.5.3.2 of IS 16221(part-2) Please consider and amend the same		Latest Specification issued by MNRE to be followed.
16	Amendment-01	45.5	Pump Cooling Catagory- Waterfilled / Oilfilled / Both	Pump Cooling Catagory - Waterfilled / Oilfilled / Resin Filled / Any of three	As per IS 9283 resin filled also acceptable	The referred clause remains unchanged.
17	Amendment-01	42.8	In case the response to RfS is submitted by a Consortium/Joint Venture, then the financial requirement is required to be met by the Consortium/Joint Venture members on an aggregate basis.	We are Manufacturer of Solar Pump Controller and we wish to form JV for meeting Financial Criteria regarding MAAT. We qualify Technical requirement. Can we club Financial requirement of both Lead and member under JV for participating in additional clusters.		The clause is self-explanatory
18	RfS	41.2	EPC/SI of 'similar works' in Joint venture with Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller using indigenous technology.	If we make JV with module manufacturer, then can we use our Pump Controller experience for Technical Eligibility criteria in one cluster as lead member and use module experience for technical eligibility criteria of consortium member in other cluster?		A Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller using indigenous technology can participate in the tender either individually or in Joint venture with system integrator. If the entities which chose to participate with the JV, they cannot participate individually or as a member of any other JV in the same or different cluster. Further, lead bidder mentioned in the bid cannot be changed for bidding purpose or during the implementation of program.
19	Amendment-01	41.2.v.16	In case a group of MSMEs registered with NSIC (under single point registration scheme) form a Joint Venture under NSIC, the Consortium needs to provide an authorization letter from NSIC accepting the terms and conditions of tender (except for those terms and conditions in which NSIC consortia are given special status as per Government of India Policy for the Government Purchase Programme) and also provide details of Consortium members, their manufacturing capacities, the share-out of quantities with schedule of supplies as per SECI tender schedule. Further, NSIC consortium mandatorily submit their service tax, pan card and other relevant documents.	If one SSI registered with NSIC and other Medium Scale form JV then authorisation letter from NSIC required or not	Under this RfS, 41.2.v.18 needs to be rephrased as, Under this tender, only bid from one NSIC Consortium will be accepted and a bidder can be part of only one consortium./ A bidder can not be part of more than one consortium. Point no. 20 under Annexure II of EESL tender. <i>"MSMEs are also eligible to participate in tender directly provided they meet all QR in their individual capacities and are not part of NSIC consortium or any other consortium."</i>	The Clause has been deleted. Please refer to the Amendment-02 of the RfS.
20	RfS	Format No 7.2 Sub Point no 1		Should all the member of consortium sign the complete bid documents or only lead member. Only JV documents may be signed by all JV members kindly clarify.		The complete bid documets to be signed by authorised signatory of the Lead bidder.
21	Amendment 01	Annexure-A		Specification are very high in nature while MNRE has not updated, water outflow in LPD. This will unnecessarily increase the cost of SPV Pump against current output.		Latest Specification issued by MNRE to be followed.
22	Amendment 01	31	In case of an incident covered under insurance, bidder must replace the lost/damaged part within 7 days from the date of intimation, failing which the rectification/replacement (keeping the same configuration in consideration) will be done by SIA at the risk and cost of system integrator, after rectification/ replacement the warranty clause will remain compliable as per tender conditions.	Insurance companies have given maximum time to report latest by 7 days of the incidence occurrence. Hence This must be changed to 14 days replace lost / damaged part. Penalty may be imposed after this period.		The referred clause remains unchanged.

23			AS PER MSME Norms	There is no exemption to MSME accepted in Amendment 01 in the turnover MAAT, which was given in last tender of EESL. The Gol MSME Act is applicable to this bid & norms of the same should be taken into consideration following fair tender policy. As per Government norms of 25%. The relevant documents shall be submitted in Pre-bid meeting scheduled on 24-03-2023.		The referred clause remains unchanged.
24	RfS	40.1	The Bidder shall be a Company or a Limited Liability Partnership as defined	Allow Proprietorship Firms to participate in the tender.	Please Allow Sole proprietorship firms to participate in the tender as previously in every tender it was allowed. The Firms have worked for years and have the required experience to qualify for the bid but due to this one decision all the efforts of firms gets wasted. Please allow Sole Proprietorship firms to participate in the tender.	Suitable amendments are being issued for Proprietorship firms.
25	RfS	31	Insurance	It will be the responsibility of Beneficiary to provide the documents within specified time frame from insurance company. Reinstallation of damaged or stolen part will be done on receipt of payments from insurance company.		The referred clause remains unchanged.
26			No clause for Same Promoter		Please confirm if 2 companies with same promoter are bidding for the tender in different states, is allowed or not. For example: Company A having same promoter as Company B Bids in Maharashtra Company B having same promoter as Company A Bids in Haryana. This may please be clarified as there was confusion over this in last tender and since this doesnt overlap area of interest as states are different. there seems to be no objection of common interest creasted for the bid. This be clarified & allowed clearly as due to huge QR requirement already companies are falling	A Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller using indigenous technology can participate in the tender either individually or in Joint venture with system integrator. If the entities which chose to participate with the JV, they cannot participate individually or with different leader bidders for different clusters. They will participate as a single entity.
27	RfS	14.1	...Performance Guarantee for a value @ 3% of the amount equivalent to the 6% of the value of total state-wise allocation or 25 numbers of SPWPS, whichever is higher (as per Annexure-E). ... Along with the first list of consent from beneficiaries in vendor's favor, vendor shall submit another PBG equivalent to differential value of order as per notice to proceed (NTP)	...a Performance Guarantee for a value @ 3% of the amount equivalent to the 6% of the value of total state-wise allocation or 25 numbers of SPWPS, whichever is higher, subject to a maximum of 1000 numbers od SPWPS (as per Annexure-E). ...	As per Section 4, scheme is demand based and hence total number of beneficiaries allocated to a vendor is not fixed at the beginning. Historically, most SIAs only give a list of 500-1000 beneficiaries initially. There is a provision for the vendor to submit differential PBG in case his beneficiary selection exceeds 1000 SPWPS. Thus, SIA can ensure that the work allocated to the vendor never exceeds his PBG limits. This high EMD will block working capital which is detrimental to the implementation of the scheme	The referred clause remains unchanged.
28	RfS	21.2.iii	The price shall remain firm and fixed and shall be binding on the Selected Vendor irrespective of actual cost of execution of the Project. No escalation on the price will be granted for any reason whatsoever. The Selected Vendor shall not be entitled to claim any additional charges, even though it may be necessary to extend the completion period for any reasons whatsoever.	Price Variation need to be incorporated in the tender	Considering the high price variation in raw material especially after Covid, we request you to kindly insert Price escalation clause (+,-) in the tender documents, bidders can survive in due to high variations in raw material prices and govt. policies.	The referred clause remains unchanged.
29		Format 7.16	Price Schedule	Differential Prices should be asked for Poly - M5 Panels and for Mono - M10 Panels as both solar panel pricing and thereby Solar Water Pump System Pricing will be different.	This tender has rate validity & fixed rates for 2 years. The solar module technology is expected to shift from M5 Poly to M10 Mono solar cells and thereby availability of only M10 Mono Solar Panels in future. The prices of Poly and Mono are different. If bidder assumes Poly Panel rates today, and in near future, if only Mono Solar Panels are available, then the project will not be viable for the bidder to execute work. Since rates are fixed for next 2 years, it is requested to take different rates for Poly and Mono Solar Panels. So that companies can work out different pricing for both, which will be competitive rates.	The referred clause remains unchanged.
30	RfS	3.3 B	Only Indigenously manufactured solar panels with Indigenous solar cells and modules	We request for 50% of supplies to be DCR with Indigneous Cells and 50% to be Non-DCR Indigenous Modules.	DCR Cell Supplies are limited & it will help to expedite the project.	The referred clause remains unchanged.
31	Annexure-A	3.4.4	The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. Further for submersible pumps used in coastal areas or bores with higher salinity, preferably, stainless steel of grade 316 or higher grade may be used.	The pump and all external corridor of the motor used in the submersible pump which are in contact with water, should be of pristine sword of grade 304 or advanced as needed(SS Grade 316) but in this case we will need to separate bidding or need separate prices for SS 316 So we request you to not recommend for grade 316. Please changed clause3.4.4 for SS grade 304 only or We proposing SECI should also seprate rates for SS316 grade pump.		Latest Specification issued by MNRE to be followed.

32	Annexure-A	3.4.5	As per IEC 61683, Total Harmonic Distortion (THD) for Voltage and Current should be less than 3 % at the Motor Terminal over the entire radiation profile and in order to achieve this measures such as use of the choke coil (du/dt Filter) etc. can be adopted.	As per our request for clause 3.2.2, It creates confusion related to the applicable clauses but also creates a need for third party testing for controllers of all ratings of pumps. This would need time as well as impose a meaningless cost burden on the manufacturers. Also, a standard should be a reference from which the quality control orders or implementation procedures may be drawn. However here it is reverse. An implementation procedure is being referenced in the 'standard' or the 'norm'.so our request you to please not include clause 3.2.2. Accordingly, to our request for clause 3.2.2, we don't need to include clause no 3.4.5. So, our request to your clause no 3.4.5 is unnecessary for this tender.		Latest Specification issued by MNRE to be followed.
33	Annexure-A	3.3.4	The minimum module efficiency should be minimum 19 percent and fill factor shall be more than 75 percent.	This clause are mean to say bidder has to consider only mono modules which are practicaly need separate testing for all pumps which are not possible in this last minimum time period so request to you add poly modules also.		Latest Specification issued by MNRE to be followed.
34	RIS	41.2	Manufacturer of Solar PV Module	Allow Manufacturer of Solar PV Module with BIS Certification	We are Manufacturers of solar modules and having BIS Certification. We also have done huge no of pumps across Pan India , Are we eligible to participate as Module Manufacturer and we will give authorization to use ALMN listed modules only in pumps installation.	Latest Specification issued by MNRE to be followed.
35	ANNEXURE-A	3.2.2	For IS 16221 (Part-2) certification of the SPV pump controller the latest quality control order released by MNRE regarding IS 16221 (Part-2) must be followed.	In this clause our purpose is, IS 16221 to be used only for testing of THD. Given applicable guidelines to the being test labs to measure THD while testing pumps and shouldn't need a separate and precious test. IS 16221 is applicable for on grid solar inverter where fix frequency output is there while off grid solar controller are operates at variable frequency. Implementation of this will increase cost and certification time will lead to delay in project execution. So we proposing remove this clause.		Latest Specification issued by MNRE to be followed.
36	ANNEXURE-A	3.4.5	As per IEC 61683, Total Harmonic Distortion (THD) for Voltage and Current should be less than 3 % at the Motor Terminal over the entire radiation profile and in order to achieve this measures such as use of the choke coil (du/dt Filter) etc. can be adopted.	This creates a need for third party testing for controllers of all ratings of pumps. This would require time as well as impose a meaningless cost burden on the manufacturers. Also, a standard should be a reference from which the quality control orders or implementation procedures may be drawn. we request you to please omit clause 3.4.5.		Latest Specification issued by MNRE to be followed.
37	ANNEXURE-A	3.3.4	The minimum module efficiency should be minimum 19 percent and fill factor shall be more than 75 percent.	This clause are mean to say bidder has to consider only mono modules which are practically need separate testing for all pumps for each manufacturer which will lead to more waiting time for pumps to get certified. this will lead to project execution delay. also there is supply constraint for the Mono panels with indigenous cell. Kindly add separate bidding column with Poly panels		Latest Specification issued by MNRE to be followed.
38	ANNEXURE-A	3.2.2	Specifications of Controller/Drive for Solar Water Pumping Systems-Point 4:- Isolator Switch should be between Solar panels and Controller.	Instead of isolator switch, MCB provision shall be also allowed. As MCB isolates the system as well as provides a short Circuit protection		Latest Specification issued by MNRE to be followed.
39	ANNEXURE-A	41.2.v	EPC/SI of 'similar works' in Joint venture with Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller using indigenous technology	Can Consortium in between either of 2 manufactures (Pump/PV Panel/Controller) is allowed		A Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller using indigenous technology can participate in the tender either individually or in Joint venture with system integrator. If the entities which chose to participate with the JV, they cannot participate individually or with different leader bidders for different clusters. They will participate as a single entity.
40	ANNEXURE-A	3.7.2	1) For SPDs IEC 63227 and its updated versions or amendments should be followed. 2) At the DC Input side of the controller, it should have protection from an External Surge Protection Device of Type-2 or higher (i.e.,Type-1) in accordance with the IEC 61643-31. 3) If the distance between the SPD and the Pump controller to be protected is greater than 10 m, then SPD according to IEC 63227 should be applied. 4) The rated voltage of SPDs on the DC side depends on the type of protective circuit and the magnitude of the maximum operating voltage of the PV modules.	We would like you keep it the same as the previous specification where Type-II SPD was a requirement. Requirement of Type-II itself covers the suitability of its application in the solar pumping environment.	Type II SPDs already serve the purpose and new IEC certifications may require several changes and time to test and get approvals from various laboratory. The rational behind moving away from Type II to IEC should be explained publically and debated before bringing it to Tender. Further, since our controllers resides just below solar panels and cable length between SPV and	Latest Specification issued by MNRE to be followed.

41	ANNEXURE-A	3.7.4	Total Harmonic Distortion (THD) of the AC output waveform of the inverter at the motor input of the motor-pump set shall be less than or equal to 10 % and further no individual harmonic shall exceed the limit of 6 %. For checking its compliance it should done as per IS 16221.	Total Harmonic Distortion (THD) of the AC output both (sinusoidal and non-sinusoidal) waveform of the inverter at the motor input of the motor-pump set shall be less than or equal to 10 % and further no individual harmonic shall exceed the limit of 6 %. For checking its compliance it should done as per IS 16221.	It is important to clarify that whether this clause is applicable to all types of motors or not - BLDC, PMSM and Induction. It could only happen if AC waveforms both types are mentioned in the clause.	Latest Specification issued by MNRE to be followed.
42	ANNEXURE-A	3.2.2	For IS 16221 (Part-2) certification of the SPV pump controller the latest quality control order released by MNRE regarding IS 16221 (Part-2) must be followed.	This sentence must be removed completely as lot of tests of IS 16221 is not applicable for off grid SPV inverter.	1. Complete IS16221 certification is a time intensive process, both from the development as well as certification standpoint. 2. For blanket applicability of this, the ministry should allocate due time for the industry to come up with this certificate and further all the tests under this certificate is not applicable for dedicated off grid inverters. Hence explaining testing agencies and figuring out a common process for the same will lead to further complications. Hence we strongly recommend to remove this clause and bring separate points of IS 16221 which MNRE feels it to be relevant for controllers like they have done for THD.	Latest Specification issued by MNRE to be followed.
43	ANNEXURE-A	3.3.4	The minimum module efficiency should be minimum 19 percent and fill factor shall be more than 75 percent.	This has been revised from the last clause of 16% to 19%. We propose to not make this mandatory	1. This can be served only with monoperc panels. 2. Voltage, stringing, module structure - everything would change because of this , new certifications will be required for every variant which will lead to high lead time to submit reports to the nodal agency. Further, controller needs to be redesigned leading to higher current electronic requirements which would be difficult to source within 2-3 months timeline. Hence, if government can allow both, industry will automatically evolve and shift towards the same. 3. Similar to AC and DC pump distinction, DCR and non-DCR, the industry should be provided with an option here so that project can be implemented fast.	Latest Specification issued by MNRE to be followed.
44	Annexure-D (Price bid format)_Revised and Annexure-D2 (Price bid format)				2 price bids are shared in the Revised Annexures, Kindly explain the purpose of 2 price bid annexures and confirm the final format to be enclosed in our bid	Please refer to the amended Clause 1.7 in the Amendment-01 of the RfS. Annexure D is to be submitted for DCR prices and Annexure D2 is to be submitted for non-DCR prices.
45	Amendment-01	41			Kindly confirm if the solar pv module experience is specific to the supply or installation of SWP installed plant capacity or any other on-grid or off-grid solar power plant experience could be showcased	Experience is specific to the supply or installation of Solar Photovoltaic Water Pumping System. Please refer clause 41.2 of the RfS.
46	Amendment-01	41			Kindly confirm if the EPC vendor's pump installed experience and JV's pump supplied experience can be cumulatively considered for technical eligibility?	Please refer to the Clause 41 of the RfS and the Amendments thereto. Only financial qualifying requirements can be fulfilled cumulatively by the consortium or Joint Ventures.
47	RfS	41.2	Technical QR	25% of total experience as required by the general bidder	the required quantity is very high it should be reduced to atleast by 50 % even for general bidder and please allow the MSME companies with 25% QR of the normal bidders to qualify for the technical and financial QR. There is only exemption in EMD & Tender fee to MSME. please give relaxation in eligibility criteria also	The referred clause remains unchanged.
48	RfS	42	Financial Eligibility Criteria	25% of the total ATO as required by the general bidder,	the required ATO is very high it should be reduced to atleast by 50 % even for general bidder and please allow the MSME companies with 25% QR of the normal bidders to qualify for the technical and financial QR. There is only exemption in EMD & Tender fee to MSME. please give relaxation in eligibility criteria also	The referred clause remains unchanged.
49	RfS	14.1	Performance Bank Guarantee (PBG)	Please keep it as per KUSUM phase 2		The referred clause remains unchanged.
50	RfS	16	Performance report for one week after commissioning based on the accurate data of the parameters received from RMS or data logger in case of internet unavailability.	kindly reduce the performance report by one day instead of a week		The referred clause remains unchanged.
51		3.5.4	Specification for solar photovoltaic water pumping system	Please keep it as per KUSUM phase 2		Latest Specification issued by MNRE to be followed.
52	RfS	21.b.iii	The price shall remain firm and fixed and shall be binding on the Selected Vendor irrespective of actual cost of execution of the Project. No escalation on the price will be granted for any reason whatsoever. The Selected Vendor shall not be entitled to claim any additional charges, even though it may be necessary to extend the completion period for any reasons whatsoever	Kindly add Price Escalation Clause as per the Ministry of power other tenders as the validity of tender is for 24 months		The referred clause remains unchanged.

53	RfS	42.8	In case the response to RfS is submitted by a Consortium, then the financial eligibility requirement to be met by each Member of the Consortium shall be computed in proportion to the equity commitment made by each member in the Project Company. For example, if two companies A and B form a Consortium with equity participation in 70:30 ratio and submit their bid for a capacity of 10 MW, then, total Net-Worth to be met by the Consortium is Rs. 90 Lakhs x 10 MW = Rs. 9 Crores. Minimum requirement of Net-Worth to be met by Member A would be Rs. 6.3 Crores and the one to be met by Member B would be Rs. 2.7 Crores. Similar methodology shall be followed for computation of other requirements	In Consortium the financial and technical QR should be cumulative instead of proportion to the equity		Already amended in Amendment-01 issued on 17.02.2023.
54	RfS	40.2	Bidding Consortium with one of the Companies as the Lead Member. Consortium shortlisted and selected based on this RfS has to necessarily form a Project Company and get it registered under the Companies Act, 2013, keeping the original shareholding of the Bidding Consortium unchanged. In case applications for multiple Projects have been made by a Consortium, separate Project Companies can be formed for each Project. For the avoidance of doubt, it is hereby clarified that the shareholding pattern of the Project Company shall be the identical to the shareholding pattern of the Consortium as indicated in the Consortium Agreement (Format 7.5).	Please keep it as per KUSUM phase 2		Already amended in Amendment-01 issued on 17.02.2023.
55	RfS	3.2.b	Selected vendors have to submit monthly consent of beneficiaries in their favor to SIA for which SIA's will be Notice to Proceed and for this, vendor shall complete the installation and commissioning of SPWPS within 120 days from date of issuance of NTP for general category states. However, for special category states/Hill States & UTs and Island UTs, Vendor shall complete the installation and commissioning of SPWPS within 150 days of issuance of such NTP.	Keep it 150 for non hill region and 180 for hill region and where the allocation is provided by SNA the duration of execution of project should be as per slab of number of quantity or monthly consent from vendors to be sought by SNA	As if heavy quantity is assigned to vendors at a single order extra time to be provided there should not be equal time to execution of 100 pumps and 1000 pumps in single NTP	The referred clause remains unchanged.
56	RfS	42.4	The Bidder may seek qualification on the basis of financial capability of its Affiliate(s) for the purpose of meeting the qualification requirements as per Clauses 40.1, 40.2 and 40.3 above. In case of the Bidder being a Bidding Consortium, any Member may seek qualification on the basis of financial capability of its Affiliate. In this case, a Bidder can use the credential of only a single affiliate to meet all the financial eligibility criteria. In such cases, the Bidder shall be required to submit Board Resolutions from the respective Affiliate, undertaking to contribute the required equity funding and Performance Bank Guarantees/POI in case the Bidder(s) fail to do so in accordance with the RfS. In case of non-availability of the Board Resolution as required above, a letter from the CEO/ Managing Director of the respective Affiliate, undertaking the above, shall be required to be submitted and the requisite Board Resolution from the Affiliate shall be required to be submitted.	Cumulative turnover of both the bidding partner should be allowed to qualify the mentioned state turn over required		Already amended in Amendment-01 issued on 17.02.2023.
57	Amendment-01	11	MSMEs Bidders registered as MSMEs (Micro, Small and Medium Enterprises) under NSIC/DIC/Udyog Aadhaar Only are exempted from submission of Bid Processing Fee & EMD. In this regard, the Bidder will have to furnish MSME Registration certificate issued by the appropriate authority (as applicable). Further, submission of MSME certificates issued in the name of Affiliate / Promoter/ Company will not be considered However, upon empanelment under this RfS, selected MSMEs must submit Performance Bank Guarantee as per clause 14 of section III of RfS.	As per the Govt of India Policy for MSEs wide notification No. 33004/99 23rd March 2012 and amended 9th November 2018, please refer to Page No.18 of the former, Point No. 3 Sub Points (1), (2), (3) & (4) for 25% procurement reservation for the product produced and services rendered of the total quantity of the tender which should be earmarked for MSEs registered with Udyam Aadhaar or NSIC, to maximize the participation of MSEs and hence faster implementation of Projects	For the product produced and services rendered of the Total quantity of the tender should be earmarked for MSEs as per Government of India Policy. Moreover the installation services part constitutes less than 5% of the total project and hence more than 95% is Supply part. As per the recent trend of past few months after the increase in the price of raw materials, big companies have been denying to work by not giving their consent to State Nodal Agencies whereas MSEs have been accepting the Work Orders and implementing the systems. For example - HAREDA issued 5194 Nos of pumps in the month of December 2022 but only MSEs gave their consent & executed those Work Orders and big companies denied to give their consent for implementation of the same due to increase in the price of raw materials	The Clause has been deleted. Please refer to the Amendment-02 of the RfS.

58	Annexure-A	3.3.4	The minimum module efficiency should be minimum 19 percent and fill factor shall be more than 75 percent.	We request you to kindly allow the old specifications also i.e. the minimum efficiency of the module should be 15% and fill factor above 70%.	We would like to bring to your notice that with this specification change you have entirely wiped out the poly crystalline module manufacturing industry which is around 75% of our country because the poly module can never be able to offer either 19% efficiency or 75% fill factor. Please have provision for both Poly and Mono Panels specifications until we have sufficient suppliers of Indigenous Mono Cells in India as right now we have only couple of Suppliers and both those consume their Mono Cells for their own Panels Production, thus severely limiting the availability of their Mono Cells in market for sale to other Panels Manufacturers.	Latest Specification issued by MNRE to be followed.
59	RfS	41.2	The bidder should be, either of the following: i. Manufacturer of Solar PV Module or ii. Manufacturer of Solar Pump or iii. Manufacturer of Solar Pump Controller using indigenous technology or iv. EPC/Sl of 'similar works' in Joint venture with Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller using indigenous technology. 'Similar Works' means - Design, Supply, Erection, Testing and Commissioning of standalone (off-grid) solar PV based water pump sets. Experience required for the bidders to be counted for the past 7 years from the last date of bid submission shall be as per Table below.	We suggest the following in this regard for MSE Manufacturers of Solar Panels/Modules: 1.) If a Bidder submits LoA/Work Experience Certificates for supplying SPV Panels/Modules to some other firm/company who got those Work Orders from Govt. Agencies/Departments, then such Supply Work Experience should be considered as Work Experience Certificate. 2.) Please consider the Supply Experience of SPV Modules which have been supplied to other firms in all kinds of Government Solar Projects like Solar Home Systems, Solar Inverter Charger Systems, Off Grid & ON Grid Rooftop Systems (and not just Solar Water Pumping Systems). 3.) Such Bidders should be asked to submit the copies of Govt. Work Orders or Letter of Empanelment issued to other Firms which received the Supply of Panels from the Bidder for those Projects and the copies of Work Completion Certificates or Joint Commissioning Reports specifying the Panels/Modules of the	The specifications of the Solar Panels supplied to any Govt. Work Order is same as BIS certified solar panel is required with ALMM registration so there should not be any differentiation in considering such Supply Experience for any of the Solar Projects. Previous EESL SWP Tenders also considered the Supply Experience of Solar Panels/Modules by the Bidder to any other Company who got Govt. Work Orders or Letter of Empanelment for any Solar Projects like Solar Home Systems, Solar Inverter Charger Systems, Off Grid & ON Grid Rooftop Systems or Solar Water Pumping Systems	The referred clause remains unchanged.
60	New request	Request	Request	Request to reduce maximum QR for solar pumps to 500 per state instead of 1000, and also reduce requirement of emd and pbg statewide accordingly	Example- If a bidder has bid for 5 states and have to submit pbg of 80.1 lacs per state, then their bg limits of 80.1x5=400.5 lacs gets blocked even before start of work. This results in reduction of working capital (fund based or non fund based or both) with successful bidder and reduces capability of successful bidder in delivering high volumes in the programme	The referred clause remains unchanged.
61	RFS Section 1	41.2.iv	Similar Works' means - Design, Supply, Erection, Testing and Commissioning of standalone (off-grid) solar PV based water pump sets. Experience required for the bidders to be counted for the past 7 years from the last date of bid submission shall be as per Table below.	Experience of 3hp should be consider as single, 5hp should be consider 1.5 times, experience of 7.5hp and 10 hp should be consider as 3 times to arrive at experience of swps for calculation of QR.	Higher weightage should be given to experience of 7.5hp, 10 hp. Example if a bidder has worked in harayna his experience will be mostly for 7.5hp and 10 hp which involves more resources and should be considered accordingly compared to experience of 1 or 2 hp.	The referred clause remains unchanged.
62	New request	Request	Request	Request to include clause of release of EMD on submission of PBG and signing agreement with SIA.	Emd is not required by SECI on confirmation of signing of agreement with SIA and submission of PBG	Suitable amendments are being issued to the referred clause.
63	New request	Request to allow conversion of emd into PBG	Request to allow conversion of emd into PBG	We request to have provision of conversion of emd into PBG. We will be submitting separate emd for each state and will like to convert it to pbg for the respective state and add differential amount of PBG along with signing of agreement with state. With present clause we will need to submit pbg to state first and then can have our emd released from seci. As our BG limits are utilised for providing emd, we will like to use same limits to provide pbg to state. Seci can send L1 matching confirmation of successful bidder along with emd (to be converted to pbg) to SIA for collecting agreement and differential PBG	Suppose we are bidding for haryana state, then we will be submitting emd of 53.4 lacs to SECI. If we are successful bidder then we will need to submit pbg of 80.1 lacs to Hareda and then we will be able to claim our emd of 53.4 lacs from SECI. With this provision our emd of 53.4 lacs will be forwarded to hareda by seci along with our L1 matching letter and Hareda will collect additional 26.7 lacs pbg from us. This is standard practice adopted in tenders.	Not allowed under this RFS.
64	Amendment-01	point 18 of amendment,	Certified copies of annual audited accounts for any three financial years out of the last five financial years, i.e., 2021- 22, 2020-21, 2019-20, 2018-19, and 2017-18, and provisional audited accounts, along with certified copies of Balance Sheet, Profit & Loss Account, Schedules and Cash Flow Statement supported with bank statements as on the date at least 7 days prior to the due date of bid submission (if applicable), shall be required to be submitted.	Please clarify what should be submit for Cash Flow Statement supported with bank statements as on the date at least 7 days prior to the due date of bid submission. Do we need to submit our working capital arrangements from bank? Our audited balance sheet is sufficient to show equity, reserve and surplus and loan from director. For how many period should we submit bank statments,as our one month bank statment goes into 40-50 pages.		Suitable amendments are being issued to the referred clause.
65	Amendment-01	point 25 of amendment 01	Submission of Pass-phrases: In line with Clause 19.7 and Annexure-B, the Bidder shall be required to submit the PassPhrase to decrypt the relevant Bid-part is submitted into the 'Time Locked Electronic Key Box (EKB)'...	1. Request to elaborate as this is new to most of bidder. 2. should it be submitted offline or online on portal. Is EKB available on online portal		1. Pass Phrase is the phrase required to decrypt the bid submitted by the bidder. 2. The pass phrase to be submitted online on the ISN-ETS portal and in hard copy on the letterhead of the bidder to SECI.
66	Amendment-01	30.B.3	SIA reserves the right to recover from the bidder a sum equivalent to 0.5 % of the value of the delayed SPWPS installation or on the unexecuted portion of the work for each week of the delay and part thereof subject to a maximum of 10 % of the total value of the contract. The amount will be first recovered from the PBG amount and the balance will be adjusted by SIA in release of payment to the concerned vendor. Further, SIA may also blacklist the Empaneled firm for 5 years.	SIA reserves the right to recover from the bidder a sum equivalent to 0.25 % of the value of the delayed SPWPS installation or on the unexecuted portion of the work for each week of the delay and part thereof subject to a maximum of 5 % of the total value of the contract. The amount will be first recovered from the PBG amount and the balance will be adjusted by SIA in release of payment to the concerned vendor. Further, SIA may also blacklist the Empaneled firm for 5 years.		The referred clause remains unchanged.

67	Annexure-A	3.3.4	The minimum module efficiency should be minimum 19 percent and fill factor shall be more than 75 percent.	Poly solar panels cannot meet this specification, request to change this so that we can use dcr poly crystalline solar panels. Indian cell manufacturers, solar panels manufacturers are still not ready to supply in big quantity and this will lead to shortage of solar panels for the programme. Also designs of solar pumps including pv string configuration, controller and motor pump will change if only mono panels are allowed in tender. This will also lead to slowdown of project.		Latest Specification issued by MNRE to be followed.
68	Amendment-01	31	The Comprehensive insurance of Solar Photo Voltaic Water Pumping System shall be provided for natural calamities, theft, burglary, & damage, etc. during 5 years warranty period. The empaneled bidder shall file insurance claim and shall be responsible to bring the insurance claim to a final settlement. The farmer and the empaneled bidder shall be jointly responsible for collection and submission of documents for the processing of the insurance claim. The insurance policy taken for the individual farmer shall be handed over to the beneficiary under intimation to SIA at the time of processing of payment for the completed installations. The empaneled company shall do renewal of insurance certificate every year up to 5 years as per insurance clause.	All insurance claims are rejected by insurance company if insurance claim is not lodged within 48 hours of damage or loss. Please add a clause that farmer can get benefit of insurance only if the loss is intimated by farmer within 48 hours to insurance company or empaneled agency. This can be communicated to farmer at time of survey in writing and before issue of feasibility by SIA	If the claim is rejected by insurance company under ground of late intimation of loss by farmer, then it is injustice to expect that empanelled agency should bear the cost and replace it or repair it. Farmer should be held responsible for timely intimation of loss.	The referred clause remains unchanged.
69	RFS Section 1	41.2.iv	EPC/SI of 'similar works' in Joint venture with Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller using indigenous technology	EPC/SI of 'similar works' is allowed to participate individually or as consortium partner with manufacturer or financial partner.	This work is purely work of design, supply, installation, testing, commissioning and maintenance of solar pumping system at lacs of distributed locations and for this even though EPC is best equipped with experience and expertise epc is forced to participate as consortium or JV with manufacturer and in reality it should be reverse. Even manufacturer of a components of solar pump has expertise on manufacturing of only any one components (spvm/motor pump/pump controller) but epc has experience and expertise on design, integration and cmc which is actually required to execute this tender. As there is clause that only ALMM approved manufacturer will be able to supply in this tender, quality of spvm is already assured. Also system configuration supplied should be as per test report from mnre approved test centre or NABL lab assures performance as per MNRE standard. Even in case of ground mounted solar plants of MW utility scale epc are allowed to participate without JV with any Mfr. Just as an infra company is allowed to construct dam or road without being in JV with cement mfr or brick mfr or concrete mfr, epc must be allowed to participate without JV with any mfr and should be allowed to have consortium between (epc and spvm) or (epc and financial partner). Due to current condition	The referred clause remains unchanged.
70	42.8		In case the response to RfS is submitted by a Consortium/Joint Venture, then the financial requirement is required to be met by the Consortium/Joint Venture members on an aggregate basis.	As In case of response to RfS is submitted by a consortium then financial requirements is required to be met by consortium members on aggregate basis; we need revised format 7.6 Financial requirement. Because you have not incorporate changes of amended clause of financial requirement in to Format 7.6. It is still as per original tender document	Request you to provide us revised format 7.6 Financial Requirement as per corrigendum.	Suitable amendments are being issued to Format 7.6.
71	General		"RfS Document for Selection of Vendors for a work contract to Design, Manufacture, Supply, Transport, Installation, Testing and Commissioning of Off Grid Solar Photovoltaic Water Pumping Systems (SPWPS) of 1-15 HP capacities in selected States on PAN India basis, including complete system warranty and its repair and maintenance for 5 Years under Component-B of PM-KUSUM scheme of MNRE"	AS this tender is now for 1 HP to 15 HP instead of 1 HP to 10 HP, can we mention 15 HP AC/DC in Capacity of Pumps Quoted for in Format 7.1 Covering Letter?		Suitable amendments are being issued to Format 7.1
72		Annexure E	For solar Pv Modules (Experienc in Kwp) @4800wp per pump for 5hp pump	Please clarify which needs to be submitted to support the experience claim.		Refer clause 18.xvi of the amendment 2.
73		Annexure E	For solar Pv Modules (Experienc in Kwp) @4800wp per pump for 5hp pump	Please clarify whether the experience of supply or installation of module by spv manufacturer should be for government project or will private projects also be considered. Also clarify which needs to be submitted to support the experience claim.		The projects completed under central or state government scheme/programme to be considered. Further, also refer clause 18.xvi of the amendment 2.
74		Annexure E	For solar Pv Modules (Experienc in Kwp) @4800wp per pump for 5hp pump	Please clarify whether the experience in other projects like solar street light, off grid solar power plants, grid tied solar plants will also be considered for solar pv module manufacturer		Please refer definition of the similar works in the RfS clause 41.2.
75	RfS	42.8	In case the response to RfS is submitted by a Consortium/Joint Venture, then the financial requirement is required to be met by the Consortium/Joint Venture members on an aggregate basis.	If a system integrator A with MAAT of 20 Cr is bidding in consortium with spvm manufacturer with MAAT OF 40 Cr then 60 Cr MAAT will be considered to check turnover eligibility. Please clarify.		Allowed under this RfS.

76		Sr no 43 of Clarification 01	The technical Eligibility criteria to be considered for the above purpose will be the cumulative technical eligibility of the bidding company or consortium	If a system integrator A with experience of 1750 solar pump is bidding in consortium with spvm manufacturer with experience of 4800kw (converter to pumps it will be 1000 pumps considering 4800 wp per pump as mentioned in annexure E) of solar panels supply then total experience of consortium will be considered as cumulative of 2750 (total of 1750 and 1000) to check the technical qr of bid by consortium. Request to clarify.		The clause is self-explanatory
77	Amendment-01	3.1.c	New Clause: Test reports can be submitted with the bids. However, the bidders can also submit a self-certificate with the bids in lieu of test reports affirming that the test certificates for all the models for which the bids are submitted will be provided by the bidder before signing of agreement with the SIAs, failing which the bidder will be liable for penalties including encashment of EMD and/ or blacklisting	Request to consider Test Report of any higher head in particular HP. The test reports of each models will be more for which testing is not feasible considering very few Labs/Testing Infrastructure available in India. Also request to allow minimum 60 days time to submit the test reports from the date of Empanelment	For Each category there will be 30 m / 50 m / 70 m / 100m and test reports for all models (head-wise) is not possible as this will become around minimum 40 Test Reports in 1 HP to 10 HP AC and DC Pumpset category. Each test fees costs around Rs.2.5 Lakh, so around Rs.1 Cr expenditure will be towards Testing only. Secondly, there are several bidders likely to participate and if each bidders initiates for head-wise Testing, then it will be huge huge rush at Testing Labs which cannot be finished in one year time also. Third, at present neither there is no enough numbers of Labs available nor testing infrastructure in India. Fourth, Testing are subject to weather condition available during the time, which may take long time. Fifth, Labs will earn more income than the bidders earning from executing the project. Hence Test reports of all models should not be mandatory. Consider only any higher head Test Reports in particular HP like earlier Tenders	Suitable amendments are being issued to the referred clause.
78	Amendment-01	Format 7.18	DECLARATION REGARDING THE DIFFERENT MODELS OF SOLAR WATER PUMPING SYSTEMS SPECIFIED IN THE MNRE SPECIFICATION FOR THE PARTICULAR CATEGORY/TYPE OF THE PUMPS	Request to consider Test Report of any higher head in particular HP. The test reports of each models will be more for which testing is not feasible considering very few Labs/Testing Infrastructure available in India. Also request to allow minimum 60 days time to submit the test reports from the date of Empanelment	For Each category there will be 30 m / 50 m / 70 m / 100m and test reports for all models (head-wise) is not possible as this will become around minimum 40 Test Reports in 1 HP to 10 HP AC and DC Pumpset category. Each test fees costs around Rs.2.5 Lakh, so around Rs.1 Cr expenditure will be towards Testing only. Secondly, there are several bidders likely to participate and if each bidders initiates for head-wise Testing, then it will be huge huge rush at Testing Labs which cannot be finished in one year time also. Third, at present neither there is no enough numbers of Labs available nor testing infrastructure in India. Fourth, Testing are subject to weather condition available during the time, which may take long time. Fifth, Labs will earn more income than the bidders earning from executing the project. Hence Test reports of all models should not be taken and considered only any higher head Test Reports in particular HP	The referred clause remains unchanged.
79	Amendment-01	16	Payment shall be made to vendor within 30 days after submission of three copies of invoices to Engineer-in charge, complete in all respect (showing description, quantity, unit rate and total number of systems). However, this is subject to the availability of the accurate performance data/parameter of SPWPS through RMS on State SEDM portal and central portal of PM-KUSUM.	Please keep the clause as per original RfS and not as per Amendment	The first stage payment should be paid as per original clause only. Linking the payment to the accurate performance data/parameter of SPWPS through RMS on State SEDM portal and central portal of PM-KUSUM will be time taking or some time the sites being in remote and rural areas there is always network issue. In the farmer's field very rarely network range gets available and hence accurate performance data/parameters may not be available some time, hence keeping payment linked with accurate data on portal will become loss to the bidders due to low/poor network range on field. Farmers also not taking care of the RMS/Controller and playing/malpractice with installed systems hence the performance data/accuracy may affect. So request to consider this practically.	Suitable amendments are being issued to the referred clause.
80	Amendment-01	21.1	No documents will be accepted after the due date and time of bid submission. Bank Guarantee against EMD needs to be submitted in both online and offline modes.	Please keep the clause as per original RfS and not as per Amendment	Submission of EMD BG / Tender Fees DD to be allowed to submit within 2 days after last date of online submission date.	The referred clause remains unchanged.
81	Amendment-01	31	Insurance:The empaneled bidder shall file insurance claim and shall be responsible to bring the insurance claim to a final settlement. The farmer and the empaneled bidder shall be jointly responsible for collection and submission of documents for the processing of the insurance claim.....	Please keep the clause as per original RfS and not as per Amendment	Please note that from the incident occurrence the farmer need to lodge the FIR within 24 hours and submit a case to Insurance company as per Insurance company norms, other wise the Insurance company will not entertain the case. Here would like to inform Farmers are not informing timely about the Incidence and hence Bidders should not be the responsible for filling claim and settlement of claims.	The referred clause remains unchanged.
82	RfS	47	Validity of discovered prices for each State/UT - 24 months	Request to consider the validity of discovered prices for 12 months only OR allow Price Escalation of 10% after every six months	24 months price validity is a challengeable considering the current market RM Trend going up from last few months and the same is expected to go up for future also. Considering the market volatility, please consider discovered price validity for 12 months only or allow Price Escalation of 10% after every six months	The referred clause remains unchanged.
83	Annexure-A (Technical Specifications)_Revised	3.6.4	Static MPPT efficiency of controller shall be equal or more than 98% during operation of 10 to 100% of rated STC PV power, and average MPPT tracking efficiency in the dynamic condition should be greater than 97 % with hot and cold profiles. To ascertain the above requirement, controller shall be tested as per the procedure laid down by MNRE for testing of USPC with respect to the water pumping load only.	Request to remove MPPT efficiency clause as it is only one of the element amongst 6 elements of overall efficiency and not even a true measure of controller performance. Besides the pump controller, unlike USPC is not a stand alone controller/ bought out item like a module.		Latest Specification issued by MNRE to be followed.

84	Annexure-A (Technical Specifications)_Revised	3.4.5	Total Harmonic Distortion (THD) of the AC output waveform of the inverter at the motor input of the motor-pump set shall be less than or equal to 10 % and further no individual harmonic shall exceed the limit of 6 %. For checking its compliance it should done as per IS 16221.	The THD amendment should be removed, as IS 16221 to be used only for testing of THD. Request to give appropriate guidelines to the existing test labs to measure THD while testing pumps and should not need a separate and expensive test.		Latest Specification issued by MNRE to be followed.
85	Amendment-01	1.7	Solar PV capacity in kW for the pump capacity in HP will be allowed as per MNRE specifications under the scheme. It will be mandatory to use indigenously manufactured solar panels with indigenous solar cells and modules. In addition to the bids for SPWPS with indigenously manufactured solar cells, interested bidders can also submit their bids for SPWPS with non-indigenous solar cells as per Annexure-D2 (open) format. However, work for SPWPS with non-indigenous solar cells would be awarded only if the Government approves use of non-indigenous solar cells under Component-B of the PM-KUSUM Scheme. Further, for the purpose of price estimation under both the categories mentioned above, all other components including solar modules shall be considered as indigenous and in compliance to the provisions of the PM-KUSUM Guidelines and ALMM Guidelines as	Request to provide separate price submission format for both Mono Perc and Polycrystalline cells in module as cost wise Mono Perc prices will be higher than that of Polycrystalline PV Modules.		The referred clause remains unchanged.
86	Amendment-01	31	In case of an incident covered under insurance, bidder must replace the lost/damaged part within 7 days from the date of intimation, failing which the rectification/replacement (keeping the same configuration in consideration) will be done by SIA at the risk and cost of system integrator, after rectification/ replacement the warranty clause will remain compliant as per tender conditions.	Request to give amendment as per EESL-II Tender. Insurance related repairs/replacements were subject to reporting by the farmer within 7 days and passing of the claim by the insurance companies.		The referred clause remains unchanged.
87	Amendment-01	31	The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. For delivery of goods at site, the insurance shall be obtained by the Contractor, for an amount not less than the Contract Price of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War risks and strikes. The Comprehensive insurance of Solar Photo Voltaic Water Pumping System shall be provided for natural calamities, theft, burglary, & damage, etc. during 5 years warranty period. The empaneled bidder shall file insurance claim and shall be responsible to bring the insurance claim to a final settlement. The farmer and the empaneled bidder shall be jointly responsible for collection and submission of documents for the processing of the insurance claim. The insurance policy taken for the individual farmer shall be handed over to the beneficiary under intimation to SIA at the time of Execution of Agreement for the associated.	The Bidder should be exempted in this clause. It is responsibility of the Insurance company. Bidder can help the Farmer to coordinate with insurance company		The referred clause remains unchanged.
88	RfS	11	All MSMEs (Micro, Small and Medium Enterprises) notified as per clause 1.10.3 of GFR 2017 and as registered under NSIC/DIC/Udyog Aadhaar only are only exempted from submission of Bid Processing Fee and EMD. For claiming this exemption, at the time of bid submission, MSMEs must provide valid proof of their being registered as MSME. However, upon empanelment under this RfS, selected MSMEs must submit Performance Bank Guarantee as per clause 12 of section III of RfS.	As per Amendment to the Public Procurement Policy for Micro & Small Enterprises(MSEs) Order, 2012 with GOI Gazette Notification S.O. 5670 (E) dated 9 th November 2018, percentage of procurement of goods and services by Government Departments/CPSEs from MSEs from the present at least 20% to at least 25% of their Total Procurement.		The Clause has been deleted. Please refer to the Amendment-02 of the RfS.
89	F.No. 41/3/2018-SPV Division	3.2.2 SPV Controller	For IS 16221 (Part 2) Certification of the SPV Pump Controller the latest quality control order released by MNRE regarding IS 16221 (Part 2) must be followed	This sentence must be removed entirely which is below table of the mentioned clause 3.2.2	The mentioned standard IS 16221 (Part 2) is not applicable even remotely to SPV Pump Controller. SPV Pump Controller specifications must be released by MNRE for the clarity of prospective bidders and Testing laboratories. Further SPV Pump Controller specifications must be based on Specifications laid down for Pump Controller in USPC Specifications, which must include Output and Input efficiency norms like THD (Total Harmonic Distortion) of the output signal and MPPT efficiency of above 98% for the Input efficiency.	Latest Specification issued by MNRE to be followed.
90	RfS	11	All MSMEs (Micro, Small and Medium Enterprises) notified as per clause 1.10.3 of GFR 2017 and as registered under NSIC/DIC/Udyog Aadhaar only are only exempted from submission of Bid Processing Fee and EMD. For claiming this exemption, at the time of bid submission, MSMEs must provide valid proof of their being registered as MSME. However, upon empanelment under this RfS, selected MSMEs must submit Performance Bank Guarantee as per clause 12 of section III of RfS.	Since the MSMEs are exempt from submission of EMD, they should not be allowed to submit price bids. MSMEs should only be offered the L1 prices quoted by general category bidders for price acceptance;	Previously, MSMEs without any significant experience or execution capacity have quoted highly aggressive prices and thereafter didn't perform. Since the MSMEs are exempt from submission of EMD, they should not be allowed to submit price bids. MSMEs should only be offered the prices quoted by general category bidders for acceptance. Price bids should be invited from general category bidders only who have more experience in this business and are likely to quote balanced bid prices;	The Clause has been deleted. Please refer to the Amendment-02 of the RfS.

91	RfS	36	Price basis of the price quoted shall be on F.O.R (Freight on Road) destination basis for site. Price mentioned in the quotation must be firm. Hence prices in Letter of Award shall be firm and not subject to escalation till the execution of the complete order and its subsequent amendments accepted by the bidder even though the completion / execution of the order may take longer time than the delivery period specified and accepted in the Letter of Award.	Inclusion of Price Variation clause for major material: Solar PV Modules, MMS, Motor-Pump Set and Controllers.	1. As per clause no. 47 (Validity of discovered prices for each State/UT) of SECTION 5, the validity of discovered prices for each state/UT is 24 months from the date of opening the price bids which is too much. It will not be easy for any bidder/ manufacturer to work on a fixed rate for such a long time. The PM-KUSUM Scheme will suffer again due to non-viability of the prices. Therefore, prices should be on variable basis. 2. The PM-KUSUM scheme has been twice disrupted due to exorbitant increase in the commodity prices in last 02-03 years thus making the projects completely unviable. Therefore, price variation should be applicable in this tender to account for price volatility in major material such as PV Modules, Steel and Copper prices.	The referred clause remains unchanged.
92	RfS	40.2	Bidding Consortium with one of the Companies as the Lead Member. Consortium shortlisted and selected based on this RfS has to necessarily form a Project Company and get it registered under the Companies Act, 2013, keeping the original shareholding of the Bidding Consortium unchanged. In case applications for multiple Projects have been made by a Consortium, separate Project Companies can be formed for each Project. For the avoidance of doubt, it is hereby clarified that the shareholding pattern of the Project Company shall be the identical to the shareholding pattern of the Consortium as indicated in the Consortium Agreement (Format 7.5).	This clause may kindly be deleted.	Since the lead member is responsible for submission of EMD, PBG, acceptance of LOA and project execution, the necessary requirement to form and register a project company may kindly be deleted to avoid unnecessary regulatory compliances for the consortium bidders. These conditions are relevant to RESCO mode projects and not the EPC projects.	Already amended in Amendment-01 issued on 17.02.2023.
93	RfS	40.8	Any consortium, if selected as Selected Vendor for the purpose of supply of power to SECI, shall incorporate a Project company with equity participation by the Members in line with consortium agreement (to be submitted along with the response to RfS) i.e., the Project Company incorporated shall have the same shareholding pattern as that indicated in the Consortium Agreement given at the time of submission of response to RfS.			Already amended in Amendment-01 issued on 17.02.2023.
94	RfS	42.8	In case the response to RfS is submitted by a Consortium, then the financial eligibility requirement to be met by each Member of the Consortium shall be computed in proportion to the equity commitment made by each member in the Project Company. For example, if two companies A and B form a Consortium with equity participation in 70:30 ratio and submit their bid for a capacity of 10 MW, then, total Net-Worth to be met by the Consortium is Rs. 90 Lakhs x 10 MW = Rs. 9 Crores. Minimum requirement of Net-Worth to be met by Member A would be Rs. 6.3 Crores and the one to be met by Member B would be Rs. 2.7 Crores. Similar methodology shall be followed for computation of other requirements.	In case the response to RfS is submitted by a Consortium, then the financial eligibility requirement shall be cumulatively met with by all the members of the Consortium. The figures for each of the partner of the consortium shall be added together to determine the bidder's compliance with the minimum qualification criteria.	In EPC projects, there are frequent scenarios wherein the Lead partner has the technical and management expertise in terms of project execution/field experience whereas the other partner has the financial strength who prefers to stay as the lagging partner due to lack of project experience. This is a logical norm followed by most of the Consortium bidders in turnkey EPC projects. Moreover, since all the members of Consortium are jointly and severally liable, the Consortium bidders may kindly be given the discretion regarding nominating the Lead Partner amongst themselves as per their suitability and field experience rather than equity participation.	Already amended in Amendment-01 issued on 17.02.2023.
95	RfS	13.5	In case, the SIA issues LoA to the Selected Vendor and if the Selected Vendor does not submit the Performance Bank Guarantee within the stipulated time period (i.e. 15 days from issuance of LoA);	In case, the SIA issues LoA to the Selected Vendor and if the Selected Vendor does not submit the Performance Bank Guarantee within the stipulated time period (i.e. 28 days from issuance of LoA)	PBG submission period: 15 days from issuance of LoA is Too short. It should be at least 28 days as in previous tender. Empanelled Vendors may need enhancement of credit facilities from the banks after award of LOA	The referred clause remains unchanged.
96	RfS	14.1	A Performance Guarantee for a value @ 3% of the amount equivalent to the 6% of the value of total state-wise allocation or 25 numbers of SPWPS, whichever is higher (as per Annexure-E).		This clause should not be applicable in case of MSMEs. They have a cap of 25% and in states like Haryana already more than 10 MSMEs are empanelled. Kindly revert to the previous tender methodology – Bidder shall submit a bank guarantee (BG) of 3% of the amount equivalent to the 10% of the value of total state- wise allocation or 100 nos. of SPWPS, whichever is lower, to respective Implementing Agency's with the validity of 1 year to be rolled over every year for the first five years.	The referred clause remains unchanged.
97			It may be noted that Successful Bidders shall submit the Performance Guarantee according to the Format 7.3C with a validity period up to (& including) the date as on 24 months from placement of award by respective SIA.		Please revert to previous tender's one year validity requirement so that bidders especially MSMEs do not face upfront financial constraints.	The referred clause remains unchanged.
98	RfS	16	Performance report for one week after commissioning based on the accurate data of the parameters received from RMS or data logger in case of internet unavailability.	Performance report for one day after commissioning based on the accurate data of the parameters received from RMS or data logger in case of internet unavailability.	The period for performance report may kindly be reverted to one day (as followed in previous EESL tenders) as it is very difficult to ensure that the farmer continuously operates the pump for one week especially when it is not required and the fields are already flooded. Eg. During the monsoon season.	The referred clause remains unchanged.

99	RfS	18	b.Board Resolution from the Bidding Company committing 100% (One Hundred Percent) of the equity requirement for the Project/ Board Resolutions from each of the Consortium Members together in aggregate committing to 100% (One Hundred Percent) of equity requirement for the Project (in case of Bidding Consortium); and c.Board Resolutions from each of the Consortium Members and Lead member contributing such additional amount over and above the percentage limit (specified for the Lead Member and other member in the Consortium Agreement) to the extent becoming necessary towards the total equity share in the Project Company, obligatory on the part of the Consortium pursuant to the terms and conditions in the Consortium Agreement.	This clause may kindly be deleted.	These conditions are relevant to RESCO mode projects and not the EPC projects wherein short-term working capital is required. May kindly be deleted to avoid complexities for the bidding consortiums.	The referred clause remains unchanged.
100	RfS	35	Local representative of bidder should meet governing authorities of each block and should submit the minutes of meeting to SIA's on quarterly basis.	This clause may kindly be deleted.	It is not required and may kindly be deleted.	Already amended in Amendment-01 issued on 17.02.2023.
101	RfS	40.7	A Bidder which has been selected as Selected Vendor based on this RfS can also execute the Project through a Special Purpose Vehicle (SPV) i.e., a Project Company especially incorporated/acquired as a subsidiary Company of the Selected Vendor for setting up of the Project, with at least 51% shareholding in the SPV which has to be registered under the Indian Companies Act, 2013. Multiple SPVs may also be utilized for executing more than one Project.	This clause may kindly be deleted.	These conditions are relevant to RESCO mode projects and not the EPC projects. May kindly be deleted to avoid complexities for the bidding consortiums.	Already amended in Amendment-01 issued on 17.02.2023.
102	RfS	41.2	EPC/SI of 'similar works' in Joint venture with Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller using indigenous technology.		1. It has been stated that the EPC/SI can form a JV with Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller using indigenous technology. But can a Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller form a JV amongst themselves? Please confirm. 2. For Solar PV Modules (Experience in kWp); We are assuming the required experience for Solar PV Modules manufacturer is for supply only (and not installation). Please confirm.	1. Not allowed under this RfS. 2. The required experience for Solar PV Modules manufacturer is for supply and installation of Solar PV modules for the Solar Water Pumping System..
103			The maintenance shall include replacement of any component irrespective of whether the defect was a manufacturing defect or due to wear and tear.	The maintenance shall include replacement of any component irrespective of whether the defect was a manufacturing defect or due to wear and tear. This condition is subject to the Defects Liability Clause of EESL tender: 10.2 of ITB and 27.2 of GCC which states that "the Implementing Partner shall not be responsible for the repair, replacement or making good of any defect or of any damage to the Facilities arising out of or resulting from any of the following causes: (a) Improper operation or maintenance of the Facilities by the beneficiary. (b) Operation of the Facilities outside specifications provided in the Contract." Therefore, if the beneficiary is found to be operating the pump improperly or outside the specifications of the contract such as surface pumps being found submerged in or exposed to water, the Implementing Partner shall not be responsible for the repair, replacement or making good of the contract defects.		The referred clause remains unchanged.
104	Annexure A USPC Controller	I	LCD screen provided on controller need to shows various applications which can be selected by keypad using up-down and enter key (page No: 63)	Request to eliminate this requirement		Latest Specification issued by MNRE to be followed.
105	RfS	47	All prices discovered under this tender will remain valid for 24 months from the date of opening the price bids, which will be announced by MNRE/SECI. Within this 24-month period, empanelled vendors have no right of refusal to complete the allocated work.	Price validity should be asked only for 6 months and there should be a clause of Price Escalation beyond that period of 6 months	It is not practically possible at all to give a price validity for 24 months because the rates of raw material and the components of Solar water pumping systems are not constant for such a long period of Time.	The referred clause remains unchanged.
106	Annexure A	3.7.2.1	At the DC Input side of the controller, it should have protection from an External Surge Protection Device of Type-2 or higher (i.e. Type-1) in accordance with the IEC 61643-31.	Type 2 Surge Protection Devices are meant for applications where there is grid surge voltage. In the current application there is no possibility of grid voltage surge. The risk of voltage surge in a stand alone pump is from a lightning strike only Hence Type 1 SPD is recommended. Most of the controllers will have an MOV on the PCB on the DC side in such cases need for SPD may be eliminated.		Latest Specification issued by MNRE to be followed.

107	Annexure A	3.8	It will be mandatory to use indigenously manufactured solar modules with indigenous mono/multi-crystalline silicon solar cells. Further, the motor-pump-set, controller and balance of system should also be manufactured indigenously. The vendor has to declare the list of imported components used in the solar water pumping system.	However under clause 3.34 min. Module Efficiency is mentioned as 19% which can not be obtained by Multicrystalline cells, it may be corrected as 16%		Latest Specification issued by MNRE to be followed.
108	Annexure A	3.3.1	individual PV modules used in the PV array, under STC, should be a minimum of 300 Wp, with adequate provision for measurement tolerances	Required more clarity on Poly (Multicrystalline) and Mono Panel		Latest Specification issued by MNRE to be followed.
109	Annexure A	3.4.5	As per IEC 61683, Total Harmonic Distortion (THD) for Voltage and Current should be less than 3 % at the Motor Terminal over the entire radiation profile and in order to achieve this measures such as use of the choke coil (du/dt Filter) etc. can be adopted.	We request you to please remove or amend this clause that if total cable length will increase more than 100 M please Clarification on DU DT filters will increase the project for for the department.		Latest Specification issued by MNRE to be followed.
110	Annexure A	2.1.b	For 10 Modules structure - minimum 165 OD with minimum thickness of 4 mm with base plate minimum 20 mm thickness if used and foundation hardware shall be as per IS 5624.	Diameter lesser than 165mm OD for base poles shall also be permitted for structures which are approved through IIT / IISc / NIT. & also Allowed 09 MMS which are Permitted Through IIT / IISc / NIT.		Latest Specification issued by MNRE to be followed.
111	Annexure A		LCD screen provided on controller need to shows various applications which can be selected by keypad using up-down and enter key	Request to eliminate this requirement.		Latest Specification issued by MNRE to be followed.
112	Annexure A	3.7.2	Surge Protection Device : At the DC Input side of the controller, it should have protection from an External Surge Protection Device of Type-2 or higher (i.e. Type-1) in accordance with the IEC 61643-	We request you to kindly allow internal MOV/SPD . It will help to save the cost of the system.		Latest Specification issued by MNRE to be followed.
113	Annexure A	3.2.2	Isolator Switch:- Should be between Solar panels and controller	We would request to keep it same as KUSUM-2 tender as circuit breaker as it would serve the purpose of protection. DC isolator cost is very high compared to DC circuit breaker. It will help to save the cost of the system.		Latest Specification issued by MNRE to be followed.
114	Annexure A	2.12	Square washer to be used for all the nut-bolts arrangement	We Request you to allowed Round washer since this is also a standard product.		Latest Specification issued by MNRE to be followed.
115	Annexure A	3.7.1.13	Motor shall have suitable provision for earthing to facilitate earthing of the motor as per IS 3043 at the time of installation. In case GI pipes are used for the purpose of earthing the motor, earthing connection may be made to the discharge pipe clamps. However, in case of HDPE/PVC pipes, a separate metallic cable from the motor to the control panel shall be provided and earthing given as if four-core cable is used, the fourth core not connected to the terminals can be used for earthing.	Since the motor, controller and modules are interconnected. The earth pit for these 2 equipment should be same. Please mention clearly that modules have to be earthed separately.		Latest Specification issued by MNRE to be followed.
116	Annexure A	3.7.1.11	Separate earthing conductor shall be provided for controller, pump, motor and SPV array etc. for its connection to the earthing pit and it should be continuous in nature for electrical conductivity. However, in no case, even for the earthing of light current equipment (for example, high voltage testing equipment), should the cross-sectional area of the earthing lead be less than 6 mm ² .	This clause mentions use of minimum 6mm² earthing cable however there is no clarity if the conductor is copper or Aluminium.		Latest Specification issued by MNRE to be followed.
117	Annexure A	3.7.1.19	The earth pits given with the SWPS {i.e. Earth pit(s) for the BoS system (other than LA) and Earth Pit for LA} should be made equipotential bonded to each other.	Please clarify if module to module earthing jumper and separate earthing is necessary. Else vendor will consider structural earthing as common to structure and modules with no jumpers.		Latest Specification issued by MNRE to be followed.
118	Annexure A	3.7.1.8	It is recommended for selection of type and installation of the earth electrode the provisions of the IS 3043 should be considered.	Please clarify if earthing electrode should be copper bonded or GI (If copper bonded then tender should specify 80 microns minimum).		Latest Specification issued by MNRE to be followed.
119	Annexure A	1.a.iv	Sensor Connectivity: RMS should have provision for at least two Analog and Digital inputs with 0.1% accuracy to address the requirement of local sensors connectivity if required by SIA/Consumer for applications such as irradiation, flow meter for water discharge, moisture sensor for micro-irrigation, etc.	Please clarify if this tender intends to cover sprinkler related applications. Since these applications require higher balance head to operate the sprinklers. For sprinkler related applications there is a requirement of at least 20m balance head to operate a group of sprinkler connections. Eg :if a 100m head pump is operated at 100m depth the balance pressure would be zero hence cannot be used for sprinkler applications. In this case pump should be installed at 80m and balance 20m pressure would be used to operate the sprinklers. Please mention that a balance of 20m shall be considered for sprinkler related applications.		Latest Specification issued by MNRE to be followed.

120	Annexure A	3.7.13	Motor shall have suitable provision for earthing to facilitate earthing of the motor as per IS 3043 at the time of installation. In case GI pipes are used for the purpose of earthing the motor, earthing connection may be made to the discharge pipe clamps. However, in case of HDPE/PVC pipes, a separate metallic cable from the motor to the control panel shall be provided and earthing given as if four-core cable is used, the fourth core not connected to the terminals can be used for earthing.	Requires clarification on 2 nos. earthing is sufficient for whole system or earthing quantity should be as per number of structures provided.		Latest Specification issued by MNRE to be followed.
121	Annexure A	3.5.4	Specifications of Solar PV Pumping Systems : Module Mounting Structures (MMS) are indicative of minimum standards and an Implementing Agency may specify higher standards which shall be certified by recognised structural engineering department of any IIT/ NIT or IISc	Module Mounting Structures (MMS) are indicative of minimum standards and an Implementing Agency Or Vendor or Structure design company may design higher standards which shall be certified by recognised structural engineering department of any IIT/ NIT or IISc		Latest Specification issued by MNRE to be followed.
122	Annexure A	3.3.2	As per IEC 61683, Total Harmonic Distortion (THD) for Terminal and Current should be less than 3 % at the Motor Terminal over the entire radiation profile and in order to achieve this measures such as use of the choke coil (du/dt Filter) etc. can be adopted	We request you to please remove or amend this clause that if total cable length will increase more than 100 m. Total Harmonic Distortion of Current & Voltage should be less than 5% on nominal voltage. THD of less than 5% may be allowed at motor terminals for healthy running. For heads above 100m du/dt filters should be made mandatory		Latest Specification issued by MNRE to be followed.
123	RfS	42.3	The Bidder shall demonstrate Working Capital or Line of Credit for the last Financial Year, 2021-22, as per the table below		No figures provided in table. Please provide the same.	Already amended in Amendment-01 issued on 17.02.2023.
124	RfS	45.7	Bidder has an option to choose out of the 34 State/UTs for the ones he/she wishes to quote for. Bidder has to mandatorily submit declaration for State/UTs it wishes to quote for (i.e., Format 7.1), subject to fulfillment of cumulative qualifying requirements of quoted State/UTs.		Please explain the cumulative qualifying requirements of quoted State/UTs.	Please refer to the Section 4 of the RfS and amendments thereto.
125	RfS	48	In case of a Consortium being selected as the Selected Vendor, the LoA shall be issued to the Lead Member of the Consortium.		Kindly issue the experience certificate in the name of member of Consortium as well	The referred clause remains unchanged.
126	RMS Specifications		Consumer Management		Not in RMS hardware scope, It belongs to the Portal/Cloud Platform where Consumer management, Asset management & Complaint Management can be handled, we will integrate the required data into the portal through rms.	Latest Specification issued by MNRE to be followed.
127	RMS Specifications		Sensor Connectivity: 2 DI and 2 AI		1. Type of Analog input required 4-20mA or 0-5V, specifications required. 2. To provide AI & DI's power supply, specifications are required. Additional costing than existing product.	Latest Specification issued by MNRE to be followed.
128	RMS Specifications		RMS Display		Is it really required, already there is a display on controller & RMS data is providing in online portal.	Latest Specification issued by MNRE to be followed.
129	RfS	Clause 11 and 13.1	2 % EMD to be submitted by general category bidders and MSME bidders are exempt from this EMD. On empanelment, 3% performance BG is to be paid. So General category bidders have to deploy 5% BG whereas MSME bidders only 3%	Total quantities of MSME bidders to be restricted to 25% of the total quantities as was the case in previous KUSUM-B tenders, since they are getting an advantage of bidding without any BG.	MSME's being small companies have restricted financial capability to execute orders and they get an advantage of bidding without EMD. So to create a level playing field between them and open category bidders, who are submitting hefty EMDs, it is essential that the quantities to be allocated to MSME bidders be restricted to 25% of the total quantities. These may be distributed evenly between all the MSME bidders in that respective state.	The referred clause remains unchanged.
130	Annexure-A Revised of Amendment No. 1	3.2.2	Sr. no. 4 of Table Isolator Switch	Kindly delete it.	The isolator switch is not required as it shall lead to Off the remote monitoring system which shall not give the current status of the pump.	Latest Specification issued by MNRE to be followed.
131	Annexure-A Revised of Amendment No. 1	3.2.2	For IS 16221 (Part-2) certification of the SPV pump controller the latest quality control order released by MNRE regarding IS 16221 (Part-2) must be followed.	For IS 16221 (Part-2) certification of the SPV pump controller the latest quality control order released by MNRE regarding IS 16221 (Part-2) must be followed and shall be applicable during the program implementation.	IS 16221 (Part-2) is considered and enlisted in CRS i.e. Compulsory Registration Scheme by BIS. Therefore, from quality control's point of view, the solar pump controller must have IS- 16221 (Part-2) BIS certificate. IS 16221 (Part-2) shall be mandatory from 01st July, 2023.	Latest Specification issued by MNRE to be followed.
132	Annexure-A Revised of Amendment No. 1	3.4.5	Total Harmonic Distortion (THD) of the AC output waveform of the inverter at the motor input of the motor-pump set shall be less than or equal to 10 % and further no individual harmonic shall exceed the limit of 6 %. For checking its compliance it should done as per IS 16221.	Total Harmonic Distortion (THD) of the AC output waveform of the inverter at the motor input of the motor-pump set shall be less than or equal to 10 % and further no individual harmonic shall exceed the limit of 6 %. OR the controller should be IS 16221 marked.	For the requirement to fulfil the THD compliances, The solar pump-motor set falls under the dedicated load as mentioned in Clause no. 4.7.5.5 of IS 16221 (Part-2). As per para 3 of 4.7.5.5, the controllers are always undergo for test with pump-motor sets for BIS certification to comply with applicable requirements. Hence, the controllers, which are IS 16221 (Part-2) marked , are not been required for any separate THD testing.	Latest Specification issued by MNRE to be followed.

133	Annexure-A Revised of Amendment No. 1	3.6.4	Static MPPT efficiency of controller shall be equal or more than 98% during operation of 10 to 100% of rated STC PV power, and average MPPT tracking efficiency in the dynamic condition should be greater than 97 % with hot and cold profiles. To ascertain the above requirement, controller shall be tested as per the procedure laid down by MNRE for testing of USPC with respect to the water pumping load only.	Static MPPT efficiency of controller shall be equal or more than 98% during operation of 10 to 100% of rated STC PV power, and average MPPT tracking efficiency in the dynamic condition should be greater than 97 % with hot and cold profiles. This efficiency shall be considered from the power at which the pumping system starts to deliver the water at duty (dynamic) head. To ascertain the above requirement, controller shall be tested as per the procedure laid down by MNRE for testing of USPC with respect to the water pumping load only.	The MPPT efficiency in controllers should be considered from the power at which the pumping system starts the water delivery at the dynamic (duty) head.	Latest Specification issued by MNRE to be followed.
134	Annexure-A Revised of Amendment No. 1	3.6.5	A DC switch as per IS/IEC 60947-1 & 2 suitable for switching dc power ON and OFF shall be provided in the SPV Pump Controller.	A DC. Switch as per IS/IEC 60947-3 OR DC. circuit breaker as per IS/IEC 60947-2 suitable for switching DC power ON and OFF shall be provided in the SPV pump controller.	Clause no. 4.6.4 of IS 17018 (Part-1):2022 has consider the DC Switch as per IS/IEC 60947-3 OR DC. Circuit breaker as per IS/IEC 60947-2 suitable for switching DC power ON and OFF in SPV Pump controller.	Latest Specification issued by MNRE to be followed.
135	Annexure-A Revised of Amendment No. 1	3.7.2	If the distance between the SPD and the Pump controller to be protected is greater than 10 m, then SPD according to IEC 63227 should be applied.	If the distance between the SPV Array and the Pump controller to be protected is greater than 10 m, then SPD according to IEC 63227 should be applied.	The external SPD for SPV System are not required,if distance between SPV array and controller/inverter is less than 10 mtr. Please refer the table at below weblink for more information also. https://isp.global/surge-protection-device-for-solar-application/	Latest Specification issued by MNRE to be followed.
136	Annexure-A Revised of Amendment No. 1	6.2	Solar Photo Voltaic Water Pumping Systems shall be guaranteed by the manufacturer against the defects in material and workmanship under normal use and service for a period of at least 60 months from the date of commissioning.	Solar Photo Voltaic Water Pumping Systems shall be warranted by the manufacturer against the defects in material and workmanship under normal use and service for a period of at least 60 months from the date of commissioning.	It is requested to replace the term "Guaranteed" by "Warranted".	Latest Specification issued by MNRE to be followed.
137	Annexure-A Revised of Amendment No. 1	7.1.1	Motor Pump-set j) Voltage Range (V) and;	Voltage (V)	The motors are design for rated voltage not for voltage range. The voltage range is marked on controllers only.	Latest Specification issued by MNRE to be followed.
138	Amentment no. 1	16	Note: Payment shall be made to vendor within 30 days after submission of.....		like the previous tender, it is requested that; if state portal/server is not made available completely then vendor's payment should released timely. As the RMS portal developmet is SIA's responsibility.	The referred clause remains unchanged.
139	Amentment no. 1	28	New Clause:.....		Please clarify that: 1) Is it required for all line items for which vendor shall be empanelled. 2) Is it require for all the states/Uts in which vendor is empanelled. 3) Request to consider this data within 15 working days as more no. of sheets will be required to prepare it. 4) To whom, this data is to be submitted; either MNRE or SIAs.	1. & 2. Format 7.17 to be submitted for the line item for the State/UT quoted by the bidder. 3. The refered clause remains unchanged. 4. The Format 7.17 to be submitted to SECI within the mentioned timeline.
140	Anneuxre-E Revised of Amendment no. 1		Regarding EMD amounts		It is requested to kindly mention the amount in full figure for more clarity to banks for BG creation. E.g. (1) for Maharashtra, it is 53.400/- in lacs that need to be mentioned as Rs. 5340000/- E.g. (2) For Manipur, it is mentioned as Rs. 1.335/- lacs, that should mentioned as Rs. 133500/- .	The clause is self-explanatory
141	Amendment no. 1		General Point		Since many clauses numbers are corrected in amendment for most of the formats, Hence it is required to kindly issue the revised format with corrected clause no. references.	Suitable amendments are being issued to the referred clause.
142	Amendment no. 1	Annexure D (Revised0 & Annexure D2	PRICE BID Formats		the Price bid should be asked to submit either on tender portal or in Excel Sheet format. The price bid is been asked in the form of scan copy on letter head of bidder. Since, if bidder has to quote for all the states then there are 1904 line items (excluding the prices for either water or oil filled). Then it shall be tedious to further evaluate.	The referred clause remains unchanged.
143	RFS	2.1	A Single Stage, Two-Envelope Bidding Procedure will be adopted and will proceed as detailed in the RfS Documents. Bidding will be conducted through the competitive bidding procedures as per the provisions of Sections 2 and 3 of the RfS.		It is requested to prepare the final checklist of documents required for bid submission as part of bid document. It shall be helpful to Bidders to submit the bid and as well as SECI to enable the evaluation easily.	Please refer to the Clause 18 of the RfS and amendments therto, if any.
144	RFS	3.1.b	Each pump should be marked with Toll Free No. of successful bidder (Toll Free No. shall be affix on controllers and shall be readable for 5 years) operating in English/Hindi and Regional language of respective state and specific pump number and same must have been captured by SIA's web-based application (as per instruction of SIA) at the time of installation at site. During the time of PDI of each component , test reports of Equipment's, warranty certificates, calibration certificates and any other certificates as specified in the guidelines and specification issued by MNRE should be provided by the bidder.	Each pumping system at every site should be marked with Toll Free No. of successful bidder (Toll Free No. shall be affix on controllers and shall be readable for 5 years) operating in English/Hindi and Regional language of respective state and specific pump number and same must have been captured by SIA's web-based application (as per instruction of SIA) at the time of installation at site. During the time of PDI, test report of ordered solar pumping system's test report, warranty certificates and structure certificate as specified in the guidelines and specification issued by MNRE should be provided by the bidder.	Toll free no. on pump shall not workable. Hence term pump is replaced with pumping system PDI also conducted as per test report of solar water pumping system's test report. There is no need to have components/equipment's test report during PDI including the calibration certificate. These certificates are been held and owned by test laboratories for testing of solar pumping system. In PDI, The inspection of the material is done according to test reports and specifications only. PDI & Performance tests both are different things.	The referred clause remains unchanged.

145	RFS	3.2b	Selected vendors have to submit monthly consent of beneficiaries in their favour to SIA for which SIA's will be Notice to Proceed and for this, vendor shall complete the installation and commissioning of SPWPS within 120 days from date of issuance of NTP for general category states. However, for special category states/Hill States & UTs and Island UTs, Vendor shall complete the installation and commissioning of SPWPS within 150 days of issuance of such NTP.		It is requested to consider that; 1) NTP shall be issued after deposition of farmer's share with SIA as considered in previous tenders also through various amendments. 2) The farmer's consent process/vendor selection process should be online either at the time of application or in later stage (where applications are already received). This shall avoid the multiple consent by farmers in offline mode to more than one vendor.	The referred clause remains unchanged.
146	RFS	3.2.c	Selected Vendor and SIA representative should conduct site survey and submit Progress report on fortnight basis as per the requirement of SIA via PM-KUSUM App released by MNRE.	The selected vendor shall conduct the site survey and submit the progress report on fortnight basis to SIA via PM-KUSUM App released by MNRE.	The site survey should be done by vendor after getting the NTP only. The final inspection of the installed system is done by vendor and SIA representative jointly.	The referred clause remains unchanged.
147	RFS	3.2.e	Vendors will have to submit installation reports as per given format on weekly basis and Monthly basis to MNRE and SIA.		1) Installation report format should be provided at tender stage only to have universal process and documentation. 2) Like the previous tenders (through amendments); The submission of installation reports to SIA must be in digital form either by Email OR at Web-portal though mobile application only.	The clause remains unchanged. Format will be provided by SIA.
148	RFS	3.2.f	Vendor will have to submit the completion reports of each district to SIA within one week from 100% completion of work as per allocation of each district.		Like the previous tender (though amendment); It is requested to consider the installation completion report digitally either by web portal or Email to SIAs as the collecting and forwarding the physical reports from the village level to district level and then to state level of SIAs is time consuming process.	The referred clause remains unchanged.
149	RFS	3.2.h	Vendor shall comply with all applicable regulatory and statutory norms. Vendor must obtain approval/ NOC from appropriate Govt body for implementing the project in each selected village.		Kindly delete this clause as; the solar pumps are getting installed at farmer's site not at any govt. property. The farmer's consent to own at its farmland is itself an NOC.	The referred clause remains unchanged.
150	RFS	3.2.j	Vendor should commission minimum pumps/ quarter as defined above at Clause 3.2b of Scope of work. Vendor must submit handing over certificates in the format prescribed by MNRE.		Kindly provide the handing over certificate format the time of bid process only as part of uniform documentation work among all the participating states.	The clause remains unchanged. Format will be provided by SIA.
151	RFS	3.2.l	Vendor should submit the prescribed certificate and photographs of each SPWPS installed which must show complete installation setup along with beneficiary pump number etc.	Vendor should submit the prescribed certificate and photographs of each SPWPS installed online only which must show complete installation setup along with beneficiary pump number etc.	It is requested to consider the installation report along with photographs in digital mode only (either through Email/web-portal/mobile application)	The referred clause remains unchanged.
152	RFS	3.4.a	Selected Vendor should keep necessary spare parts (minimum 2% of allotted quantity of each component of the complete system at the service centre) at each district and should ensure proper maintenance of SPWPS to 5 years from date of installation of each SPWPS. Vendor should also ensure to provide local training to local persons regarding proper maintenance of SPWPS. Vendor should submit bi-weekly installation report to SIA as per the prescribed format provided during the installation phase		Kindly allow the installation report submission to SIA digitally by Email/ at web-portal. Additionally, provide the format at the time of bidding only.	The referred clause remains unchanged.
153	RFS	3.4.b	Any complaint registered registered/service calls received should be attended at the earliest and the system should be repaired/restored/ replaced within 3 days from date of complaint received/informed to the vendor.	Any complaint registered registered/service calls received should be attended at the earliest and the system should be repaired/restored/ replaced within 3 working days from date of complaint received / informed to the vendor.		The referred clause remains unchanged.
154	RFS	3.4.g	Vendors will mandatorily provide CMC for a period of 5 years from the date of commissioning of the systems including insurance coverage for the installed systems against natural calamities and theft. CMC will include inspection by Vendor at least once in a quarter and submission of quarterly inspection report of the installed pumps as per prescribed format. Selected Vendor shall provide a copy of valid insurance certificate of SPWPS to the beneficiary and same shall be renewed every year.	Vendors will mandatorily provide CMC for a period of 5 years from the date of commissioning of the systems including insurance coverage for the installed systems against natural calamities and theft. Selected Vendor shall provide a copy of valid insurance certificate of SPWPS to the beneficiary and same shall be renewed every year. Insurance claim shall be proceeded by vendor based on	1) As RMS is already providing with each SWPS, hence it is requested to kindly eliminate quarterly inspection at site during the CMC period. The bidders are already providing their toll- free no. during the installation at controller through which farmers/beneficiaries can log their complains also. 2) Like the previous tenders (through amendment); we further suggest that: - 2.1) Complaint should be rectified within 03 working days, except those complaints which entail making the insurance claim. In such cases the complaints shall be rectified subject to passing of the insurance claim. 2.2) All the case of natural calamities or theft shall be informed to supplier within 07 days of such occurrences failing which insurance claim not be accepted.	The referred clause remains unchanged.
155	RFS	3.4.i	Vendor shall ensure that the local training, awareness and sensitization campaigns on usage of the SPWPS are conducted.	vendor shall ensure the training to the beneficiary owning the sola pump for it's easy operation. The awareness and sensitization campaigns on SPWPS shall be in scope of SIAs only as per the PM-KUSUM Scheme guidelines.	The local awareness program/ campaigning's must be in the scope of SIAs only.	The referred clause remains unchanged.

156	RFS	9	Commissioning of Projects Selected vendors must submit monthly consent of beneficiaries in their favours to SIA for which SIA will give notice to proceed and for this selected vendor shall complete the installation and commissioning of allocated SPWPS within 120 days from issuance of notice to proceed for general category state. However, for, special category states/Hill States/UTs/Island UTs, selected vendor shall complete the installation and Commissioning of allotted SPWPS within 150 days of issuance of notice to proceed.	Commissioning of Projects Selected vendors must submit bi-weekly consent of beneficiaries in their favours to SIA for which SIA will give notice to proceed after collecting the beneficiary share and for this selected vendor shall complete the installation and commissioning of allocated SPWPS within 120 days from issuance of notice to proceed for general category state. However, for, special category states/Hill States/UTs/Island UTs, selected vendor shall complete the installation and Commissioning of allotted SPWPS within 150 days of issuance of notice to proceed.	Since taking consent under market mode is a continuous process, Hence it is requested to kindly change the monthly submission of consent to bi-weekly submission in online-mode. It shall lead to speed up the implementation of the program The NTP shall be issued after the collection of beneficiary share by SIAs.	The referred clause remains unchanged.
157	RFS	11	All MSMEs (Micro, Small and Medium Enterprises) notified as per clause 1.10.3 of GFR 2017 and as registered under NSIC/DIC/Udyog Aadhaar only are only exempted from submission of Bid Processing Fee and EMD. For claiming this exemption, at the time of bid submission, MSMEs must provide valid proof of their being registered as MSME. However, upon empanelment under this RFS, selected MSMEs must submit Performance Bank Guarantee as per clause 12 of section III of RIS.	All MSMEs (Micro, Small and Medium Enterprises) notified as per clause 1.10.3 of GFR 2017 and as registered under NSIC/DIC/Udyog Aadhaar only are only exempted from submission of Bid Processing Fee and EMD. For claiming this exemption, at the time of bid submission, MSMEs must provide valid proof of their being registered as MSME. However, upon empanelment under this RFS, selected MSMEs must submit Performance Bank Guarantee as per clause 14 of section III of RIS.	1) Typo error: Clause 14 to be mentioned in place of clause 12. All the MSME bidders must be treated as general bidders for technical qualification into the tender while price bid of only general bidders must be considered that shall be matched by MSME bidders. 2) This RFS is issued under the Works contract category over which the MSME's purchase preference policy is not applicable.	The Clause has been deleted. Please refer to the Amendment-02 of the RIS.
158	RFS	15.1	The implementation work on ground should start within 15 days from the date of Notice to Proceed from SIA.	SIA shall issue the NTP after the collection of beneficiary share. The implementation work on ground should start within 15 days from the date of Notice to Proceed from SIA. NTP shall contain following minimum information for selected vendor: 1) Farmer Name, 2) Mobile No., 3) Place, 4) Pump capacity, type & category, 5) Dynamic Head (mtrs.), 6) Application No. (Or ID).	Like the previous tender (though amendment); The NTP should be issued by SIA to selected vendor after collecting the beneficiary share. Since NTPs shall being issued after the consent & site survey acceptance, hence every NTP must contain minimum following information: 1) Farmer Name, 2) Mobile No., 3) Place, 4) Pump capacity, type & category, 5) Dynamic Head (mtrs.), 6) Application No. (Or ID).	The referred clause remains unchanged.
159	RFS	21.2.II.b.ii	The above fixed price shall include all costs related to the Scope of Work as per the RIS and Obligations of the Successful Bidder/Selected Vendor. The Bidder shall quote for the entire facilities on a "single responsibility" basis such that the fixed price covers all the obligations in respect of Design, Supply, Erection, Testing and Commissioning including Warranty, Operation & Maintenance (05 years), inclusive of all taxes.	The above fixed price shall include all costs related to the Scope of Work as per the RIS and Obligations of the Successful Bidder/Selected Vendor. The Bidder shall quote for the entire facilities on a "single responsibility" basis such that the fixed price covers all the obligations in respect of Design, Supply, Erection, Testing and Commissioning including Warranty, Operation & Maintenance (05 years), exclusive of all taxes.	As per point I of b) of the financial bid (second envelope): The rate to be quoted in price bid shall be exclusive GST.	Suitable amendments are being issued to the referred clause.
160	RFS	21.2.II.b.iv	The fixed price for each line item shall be exclusive of all duties and taxes, insurance etc. The prices quoted by the firm shall be complete in all respect.	The fixed price for each line item shall be exclusive of all duties and taxes. The prices quoted by the firm shall be complete in all respect.	Insurance shall be considered in quoted rates. As the emanelled agency has to provide insurance also under the program.	The referred clause remains unchanged.
161	RFS	31	Insurance The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery. For delivery of goods at site, the insurance shall be obtained by the Contractor/selected Vendor, for an amount not less than the Contract Price of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War risks and strikes. The Comprehensive insurance of Solar Photo Voltaic Water Pumping System shall be provided for natural calamities, theft & burglary etc. during 5 years warranty period.	Insurance The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery. For delivery of goods at site, the insurance shall be obtained by the Contractor/ selected Vendor, for an amount not less than the Contract Price of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War risks and strikes. The Comprehensive insurance of Solar Photo Voltaic Water Pumping System shall be provided for natural calamities, theft & burglary during 5 years warranty period.	The term etc. is to be removed to have the clarity on the scope of insurance to be covered for SPWPS. Additionally, it is requested to consider following: - 1) for any case of insurance claim, the beneficiary shall inform the vendor within 7 working days along with FIR copy from local police station. 2) The pumps damaged due to sandy water shall not considered for insurance as well as manufacturing defect.	The referred clause remains unchanged.
162	RFS	24	Statutory Compliance/ Certification regarding Cyber Security Products A certificate as per format 7.15 is to be submitted by the bidders that the items offered meet the definition of domestically manufactured/produced Cyber Security Products as per MeitY notification vide File no. 1(10)/2017-CLES dt. 02.07.18. The above certificate shall be on Company's letterhead and signed by Statutory Auditor or Cost Auditor of the Company.		In the format at 7.15 at page no. 97; The format is not having the provision of signature by cost auditor along with UDIN no.	Suitable amendments are being issued to Format 7.15.

163	RFS	35	The complete Solar Photovoltaic Water Pumping System and display board / Name Plate (SIA's will provide the details) shall be warranted and maintained for 05 years from the date of installation. The maintenance service provided shall ensure proper functioning of the system as a whole. All preventive/ routine maintenance and breakdown/corrective maintenance required for ensuring maximum uptime shall have to be provided by the Contractor.	The complete Solar Photovoltaic Water Pumping System and display board / Name Plate (SIA's will provide the details) shall be warranted and maintained for 05 years from the date of installation. The maintenance service provided shall ensure proper functioning of the system as a whole. All preventive/ routine maintenance and breakdown/corrective maintenance required for ensuring maximum uptime shall have to be provided by the Contractor. any unauthorized changes done by the beneficiary will not cover in the warranty in warranty clause only manufacturing defects will be covered.	Any unauthorized changes or alteration to the installation will cease the warranty for the remaining period of CMC. This clause was considered in Phase-1 tender of PM-KUSUM scheme (through amendment.)	The referred clause remains unchanged.
164	RFS	39	Roles and Responsibilities of Implementation Agency.		It is requested to add followings points: 1) Ensure the timely payment to vendors as per the terms and condition of the RFS document 2) Compliance to Uniform formats and procedures as mentioned in RFS.	The referred clause remains unchanged.
165	RFS	46.1	For each line item (i.e., type of pump for each State/UT), the Bidder quoting the lowest price (L1 price) will be identified and shall be declared as the Selected Vendor. In case of multiple Bidders quoting the L1 price, all such Bidders ("L1 Bidders") will be declared as Selected Vendors.		It is requestd to allow the price bid submission by general bidders (Non-MSME Bidder) based on past performance in the previous tender of PM-KUSUM Scheme. As MSME bidders are not submitting the EMD, hence their price bid should also not be consider for rate discover. MSME bidder shall submit only technical bid and match the L1 price discovered from the Non-MSME Bidders.	The referred clause remains unchanged.
166	RFS	46.4 & 46.5	46.4 SIA reserves the right for the variation of allocated quantity State/UT wise. 46.5 Further, in case a Vendor is not able to supply quantity allocated to them as per scheduled timelines, SIA reserves the right to shift the part/full quantity to another Vendor, who has matched the price.		Since there is no quantity allocation criteria under market mode, there kindly delete this clause.	The referred clause remains unchanged.
167	RFS	47	Validity of discovered prices for each State/UT In order to allow States/SIA sufficient time to implement SPWPS based on the prices discovered under this tender , all prices discovered under this tender will remain valid for 24 months from the date of opening the price bids, which will be announced by MNRE/SECI. Within this 24-month period , empanelled vendors have no right of refusal to complete the allocated work.	As the current market is not stable as the prices of the raw material are increasing very fast and as per this clause the prices are valid for 24 months which is very difficult without any price variation clause as many bidders had already requested to MNRE in PM-KUSUM Phase- II Tender, so it is our request to please introduce a price variation clause in this tender to succeed the PM KUSUM scheme for farmers and achieve the target of 6.6 lakhs pumps	Since the Rate Contract is for 24 months, therefore It is requested to kindly introduce price variation clause into the RFS due to variation in unexpected price rise of raw material during the program implementation that may happened in future.	The referred clause remains unchanged.
168	RFS	49	Inspection and Audit by the Government/MNRE All materials / Equipments manufactured by the bidder/consortium of bidders against the Letter of Award shall be subject to inspection, check and/or test by the SIA/MNRE or his authorized representative at all stages and place, before, during and after the manufacture. All these tests shall be carried out in the as per technical specifications and bidder shall submit the relevant test reports at the time of bid submission to SECI . If upon delivery the material/equipment does not meet the specification, the materials /equipment shall be rejected and returned to the bidder for repairs / modification etc. or for replacement and SIA may also impose the penalty or/and blacklist the vendor. In such cases all expenses including the to-and-fro freight, repacking charges, any other costs etc. shall be to the account of the Vendor.		Since the tender has new specification over the existing specifications issued by MNRE in July-2019, hence test report of each quoted capacity as per July-2019 specifications should be asked from the bidder at the time of bid participation as part of technical qualification. Additionally, if bidder does not have any test report for any particular model then the test laboratory acknowledgement should be considered in tendering stage as per the specifications mentioned in RFS document.	Please refer to the Clause 3.1.c of the Amendment-01 issued on 17.02.2023.
169	RFS	Format 7.1 & Annexure-D	Table	It is requested to kindly clarify the followings: 1) Is it necessary for bidder to quote for all the capacity (1-10 HP) for participating state into the tender.? 2) Is it mandatory to quote for all the categories i.e. surface / submersible for quoting capacity of SPWPS.? 3) Whether the bidder has the right to bid for AC or DC type pumps OR both AC & DC type WPS rates quote is mandatory.?	Kindly provide point wise clarification to avoid the confusion. E.g. :- If bidder participate in Rajasthan state then shall be bidder has to quote rate for all the line items for Rajasthan state for 1 HP to 15 HP for AC & DC as well as Submersible & Surface Pumps.	1., 2. & 3. Bidder may bid for the line item with catrgory of the pump and the type of the pump in State/UT he wishes to.

170	RFS	Format 7.12	Format 7.12 DECLARATION FOR THE LOCAL CONTENT	In the given format at 7.12 the option of signing of a practicing cost accountant or practicing chartered accountant is not mentioned we request to please mention the same also mention the UDIN No. of the Auditor who is certifying the format.	As per the previous tenders of Kusum Scheme, The bidder must be Class-1 local supplier as per order issued by MNRE through order no. though ORDER no. F.NO. 283/22/2019-GRID SOLAR dated 09th February, 2021. and have to submit the certificate from statutory auditor on auditor's or bidder's letter head to meet order issued towards "Make-In-India" according to Manual for Procurement of Works updated and issued in June-2022 by Dept. of Expenditure, Min. of Finance, Govt. of India	Suitable amendments are being issued to the Format 7.12
171	RFS	Format 7.14	We are agreeing to accept that the test certificates are to be submitted to the Implementing Agency, reports as per MNRE technical specifications and testing procedures issued in 2019 and amendments thereof, will be submitted by us within 30 days of issuance of Letter of Empanelment by Implementing Agency. In failure of which our empanelment will stand cancelled, without any prior intimation. These certificates shall be submitted either in original form or attested copy by the issuing test lab.	We are agreeing to accept that the test certificates are to be submitted to the Implementing Agency, reports as per MNRE technical specifications and testing procedures issued in the tender document at Annexure-A and its amendment thereof shall be submitted by us within 45 days of issuance of Letter of Empanelment by Implementing Agency. In failure of which our empanelment will stand cancelled, without any prior intimation. These certificates shall be submitted as self-attested copy	1) As the specification are updated in this tender, hence it is requested to allow test report submission time within 45 days instead of 30. 2) test report of any model of solar pumping system is available which matches the performance requirement as per the new guideline then there should not be requirement of retesting of the same model of solar water pumping system 3) Please consider self attested copy of test reports rather than original copy or attested copy from lab. Because original copy cannot be submitted to all SIA at the same time and taking the attested copy of test report from issuing ab shall also be an time consuming process.	Suitable amendments are being issued to Format 7.14.
172	Annexure-A Technical Specification	3.2.2 SPV Controller	For IS 16221 (Part-2) certification of the SPV pump controller the latest quality control order released by MNRE regarding IS 16221 (Part-2) must be followed.	For IS 16221 (Part-2) certification of the SPV pump controller, the latest quality control order released by MNRE regarding IS 16221 (Part-2) must be followed. The supplied controller must have IS 16221 (Part-2) certification and the same is to be marked on each & every controller's name plate.	IS 16221 (Part-2) is considered and enlisted in CRS i.e. Compulsory Registration Scheme by BIS. Therefore, from quality control's point of view, the solar pump controller must have IS- 16221 (Part-2) BIS certificate.	Latest Specification issued by MNRE to be followed.
173	Annexure-A Technical Specification	3.2.2 SPV Controller specification Table	Isolator Switch: should be between solar panels and controllers		It is requested to kindly delete it because: DC isolaters are required only in power plant in case of very much high DC power. In case of SWPS, DC switch mentioned in controller's specification is sufficient as per IEC 60947-2	Latest Specification issued by MNRE to be followed.
174	Annexure-A Technical Specification	3.6.4	A DC switch as per IS/IEC 60947-1 suitable for switching dc power ON and OFF shall be provided in the SPV Pump Controller.	A DC switch as per IS/IEC 60947-3 suitable for switching dc power ON and OFF shall be provided in the SPV Pump Controller or separately.	DC switch as per IS/IEC 60947-3 or D.C. circuit breaker as per IS/IEC 60947-2 suitable for switching dc power ON and OFF shall be provided in the SPV Pump Controller or separately" as the same has also been considered and accepted by BIS in IS 17018.	Latest Specification issued by MNRE to be followed.
175	Annexure-A Technical Specification	3.4.4	The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. Further for submersible pumps used in coastal areas or bores with higher salinity, preferably, stainless steel of grade 316 or higher grade may be used.	The pump and all external parts of motor used in submersible pump & casing used in shallow well (surface) pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. Further for submersible pumps used in coastal areas or bores with higher salinity, preferably, stainless steel of grade 316 or higher grade may be used.	It is suggested that like the submersible pump, the pump section of surface pump which shall in direct contact of water, should be on stainless steel. Of SS-304 or higher as required.	Latest Specification issued by MNRE to be followed.
176	Annexure-A Technical Specification	3.5	The PV modules should be mounted on metallic structures of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour. The raw material used and process for manufacturing of module mounting structure including welding of joints should conform to applicable IS 822. The module mounting structure should be hot dip galvanized according to IS 4759. Zinc content in working area of the hot dip galvanizing bath should not be less than 99.5% by mass.	3.5.1 The PV modules should be mounted on metallic structures of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour. The raw material used and process for manufacturing of module mounting structure including welding of joints should conform to applicable IS 822. The module mounting structure should be hot dip galvanized according to IS 4759. Zinc content in working area of the hot dip galvanizing bath should not be less than 99.5% by mass. The supplied structure should have IS 4759 Certificate for hot dip galvanization with IS mark.	This is the only IS for marking on structures where output is also available as visual inspection. Rest IS are part of process of the structure manufacturing that can not be marked on it.	Latest Specification issued by MNRE to be followed.
177	Annexure-A Technical Specification	3.4.5	As per IEC 61683, Total Harmonic Distortion (THD) for Voltage and Current should be less than 3 % at the Motor Terminal over the entire radiation profile and in order to achieve this measures such as use of the choke coil (du/dt Filter) etc. can be adopted.	As per IEC 61683, Total Harmonic Distortion (THD) for Voltage and Current should be less than 3 % at the Motor Terminal over the entire radiation profile and in order to achieve this measures such as use of the choke coil (du/dt Filter) etc. can be adopted for dynamic head more than 100 mtr.	The application involving long connecting cables between the VFC/Controller's output and motor terminal, high voltage spikes gets generated. The magnitude of these voltages spikes may go up to double the DC bus voltage of VFD/Controller depending on the length of the cable. The high du/dt at the drive output is the primary reason for these voltage spikes. These high voltage spikes may lead to insulation failure in the connected motor or cable. This problem can be resolved using an appropriate du/dt filter at the output of the drive for all the dynamic heads more than 100 meters.	Latest Specification issued by MNRE to be followed.
178	Annexure-A Technical Specification	3.5.4	Details of Module Mounting Structure (MMS) for pumps of capacity IHP and above attached at Annexure-I. These are indicative of minimum standards and an Implementing Agency may specify higher standards which shall be certified by recognized structural engineering department of any IIT/NIT or IISC.	Details of Module Mounting Structure (MMS) for pumps of capacity IHP and above attached at Annexure-I These are indicative of minimum standards and a vendor may also supply the structures with design duly approved & certified by recognized engineering department of any IIT/NIT or IISC.	If implementing agency would provide the design detail then It shall be very difficult for the vendor to have the variety of structure for different states for the same capacity of solar water pumping system. Therefore, It should be same as present case of the PM-KUSUM program tenders.	Latest Specification issued by MNRE to be followed.

179	Annexure-A Technical Specification	3.6.2	The SPV Controller must have IP (65) protection or shall be housed in a cabinet having at least IP (65) protection.	The SPV Controller must have IP (65) protection or shall be housed in a cabinet having at least IP (65) protection. The IP 65 protection report in case of external cabinet must be issued with the controller used as per the capacity of SPWPS.	It is requested that; The solar pump controller must have IP65 certification as per applicable IEC, which further must be mentioned by test laboratory in the test report along with controller capacity by laboratories. If external enclosure is used then the IP65 protection test report must be consider with the controller only used for solar water pumping system.	Latest Specification issued by MNRE to be followed.
180	Annexure- A Technical Specification	3.7.2	Surge Protection Device	Kindly delete this clause.	IS Certification of the solar pump controller as per IS 16221 (PART-2) already covers the surge protection test which is a mandatory part of IS certification of the controller. Hence IS 16221(Part 2) certified controllers do not require any external SPDs.	Latest Specification issued by MNRE to be followed.
181	Annexure-A Technical Specification	6.2.2	Solar Photo Voltaic Water Pumping Systems shall be guaranteed by the manufacturer against the defects in material and workmanship under normal use and service for a period of at least 60 months from the date of commissioning.	Solar Photo Voltaic Water Pumping Systems shall be warranted by the manufacturer against the defects in material and workmanship under normal use and service for a period of at least 60 months from the date of commissioning. Any miss handling or the changes made post installations by the user/farmer to the SWPS shall lead to waive off the warranty period to be zero for remaining CMC period	It is requested to kindly replace the term guaranteed by term "warranted". And	Latest Specification issued by MNRE to be followed.
182	Annexure-A Technical Specification	7.1.1 Note	Note: -In addition, a metal name plate containing the above details shall be fixed on the module mounting structure for the information of user.	Note: -In addition, a metal name plate/ high quality water proof sticker containing the above details shall be fixed on the module mounting structure for the information of user.	As the high-quality waterproof sticker is an ongoing practice in inverters and controllers hence same can be used for Pumpsets name plate	The referred clause remains unchanged.
183	RFS	Format 7.3A	Format for Bank guarantee (As EMD)		As discussed with bank on the format, it is requested to kindly share the detail of the addressee (including designation) from SECI ; to whom BG is to be marked by Bank.	The EMD to issued in the Name of Solar Energy Corporation of India Limited.
184	RFS	Format 7.3A	Format for Bank guarantee (As EMD) Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to INR _____ (Indian Rupees _____ Only) and it shall remain in force until _____ [Date to be inserted on the basis of Clause 11 of this RFS].		NWC clause shall be added by bank as per Bank Guidelines for EMD as per discussion with banks.	The referred clause remains unchanged.
185	RFS	16 Stage 1	90 % of the value of month wise nos. of SPWPS installed at site based on: -	90 % of the value and 100% GST of the invoices submitted of month wise nos. of SPWPS installed at site based on: -	1) Since the GST for the billing cycle is to be paid in advance on monthly basis; hence it requested to kindly issue the 100% GST amount at stage-I; It was considered in previous tender of PM-KUSUM Scheme also. 2) If any SIA do the payment after the 30 days from the bill submission then 100% payment should be released to empanelled vendor by SIA.	The referred clause remains unchanged.
186	RFS	16 Stage 1	Payment terms: Stage-I		SIA must give the brief details of the various deductions like TDS/TCS/TDS on GST/Cess etc. with proper break-up for proper accounting of the bills.	The referred clause remains unchanged.
187	RFS	Format 7.6	Table for MAAT.		For individual financial year, The terms MAAT must be replaced with " Annual Turn Over "	Suitable amendments are being issued to the referred clause.
188	RFS	41.2	Technical Eligibility Criteria	All bidders must have experience of supply as well as installation and commissioning of SPWPS in any govt. scheme under Central/State Govt. or PSUs .	As per latest Manuals of procurement either for Goods/ Services/Works issued by Dept. of Expenditure issued in 2022, The bidder must have similar experience of scope of work mentioned in tender document. In this RFS; two types of experience is asked from bidders.	The referred clause remains unchanged.
189	RFS	21.2.iii	The price shall remain firm and fixed and shall be binding on the Selected Vendor irrespective of actual cost of execution of the Project. No escalation on the price will be granted for any reason whatsoever. The Selected Vendor shall not be entitled to claim any additional charges, even though it may be necessary to extend the completion period for any reasons whatsoever.	Price escalation: Seeing the market fluctuations the prices should be reviewed after every one month, using price variation formula.	Considering the high price variation in raw material especially after Covid, we request you to kindly insert Price variation clause in the tender documents, bidders can survive in due to high variations in raw material prices and govt. policies. Price Variation clause need to be added in bid otherwise we will have the same situation like phase-2 bid wherein due to the price rise work got delayed or stopped. Price Variation Clause may be taken into consideration as the prices of Modules & steel are always fluctuating and this rise in prices vendors face difficulties in providing the material at the same cost. What is the problem in implementing PV clause in solar when it is already adapted by power industry?	The referred clause remains unchanged.
190	RFS	35	Warranty and Maintenance	Improper usage or storage, wilful physical damage, unauthorized removal and reinstallation, connection or operation with the grid lines, water submergence of surface pumps shall not qualify for warranty claims.	Due to beneficiary negligent behaviour of farmer surface pumps are damaged. we as installers are forced to replace the system damaged free of cost for no fault of ours, so action is needed in this form.	The referred clause remains unchanged.
191	New clause added in Amendment	3.3.4	The minimum module efficiency should be minimum 19 percent and fill factor shall be more than 75 percent.	Now, instead of 300-340 Wp modules being used, modules of 500-540Wp will be used. This would need a re-configuration of the SPV array combination and totally change the voltage-current values		Latest Specification issued by MNRE to be followed.

192	RfS	31	Insurance - The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery. For delivery of goods at site, the insurance shall be obtained by the Contractor/selected Vendor, for an amount not less than the Contract Price of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War risks and strikes. The Comprehensive insurance of Solar Photo Voltaic Water Pumping System shall be provided for natural calamities, theft & burglary etc. during 5 years warranty period.	ADD - it shall be the responsibility of the beneficiary and SNA to submit documents required for making an insurance claim within the time frame specified in the insurance policy. Reinstatement of the solar pumping system or the missing parts shall be carried out by the Contractor within 15 days of acceptance of claims by the insurance company or 30 days from the date of submission and acceptance of documents by the insurance company.		The referred clause remains unchanged.
193	RfS	41.2 (iv)	Technical Eligibility Criteria: (As per mentioned Table) 1. For Solar Pumps/Controller (number of solar pumps installed/Controller installed or supplied). 2. For Solar PV Modules (Experience in kWp)	Whether both the experience required separately for technical eligibility or any one of them are sufficient to meet the Technical Eligibility Criteria. Also can we use similar experience in all states for participation of the same?		The bidder can use experience of either Solar Pumps or Controller or Solar PV Modules or all to meet the cumulative Technical eligibility criteria.
194	RfS	42.2	Minimum Average Annual Turnover: As per Table	Minimum Average Annual Turnover (MAAT) required as per table mentioned is too high. Hence kindly request you to reduce it by half.		The referred clause remains unchanged.
195	RfS	1.5	The Bidders will be free to avail fiscal incentives like Accelerated Depreciation, Concessional Customs and Excise Duties, Tax Holidays etc.	Kindly request you to elaborate the same.		The clause is self-explanatory
196	RfS	3.4(b)	Any complaint registered registered/service calls received should be attended at the earliest and the system should be repaired/restored/replaced within 3 days from date of complaint received/informed to the vendor.	We required at least 7 working days to attain the complaint considering the remote locations.		The referred clause remains unchanged.
197	RfS	40.2	Bidding Consortium with one of the Companies as the Lead Member. Consortium shortlisted and selected based on this RfS has to necessarily form a Project Company and get it registered under the Companies Act, 2013, keeping the original shareholding of the Bidding Consortium unchanged. In case applications for multiple Projects have been made by a Consortium, separate Project Companies can be formed for each Project. For the avoidance of doubt, it is hereby clarified that the shareholding pattern of the Project Company shall be the identical to the shareholding pattern of the Consortium as indicated in the Consortium Agreement (Format 7.5).	As per the reference clause forming company and handling so many documents is very complex. Hence kindly request you to consider the consortium Agreement for the same. Hence no company to be form.		Already amended in Amendment-01 issued on 17.02.2023.
198	RfS	47	In order to allow States/SIA sufficient time to implement SPWPS based on the prices discovered under this tender, all prices discovered under this tender will remain valid for 24 months from the date of opening the price bids	How can we predict the prices of quoted system upto 2 year considering the changes in cost of raw material. Hence request you to keep it for 12 Months only.		The referred clause remains unchanged.
199	RfS	14.2	PBG(s) shall be submitted by selected vendors to SIA within 15 days from issuance of letter of award/empamentment	Submission of PBG should be at least 30 Days due to processing delays from the respective bank.		The referred clause remains unchanged.
200	RfS	16	Performance report for one week after commissioning based on the accurate data of the parameters received from RMS or data logger in case of internet unavailability	Payment should be released after 1 days of Performance		The referred clause remains unchanged.
201	RfS	18.xvi.iv	Certified copies of annual audited accounts for the last three financial years out of 5 financial years and provisional audited accounts...as on the date atleast 7 days prior to the due date of submission (if applicable), shall be...	If the audited annual accounts for the three years are specified the need for provisional audited accounts as on date, that is 7 days prior to the due date of submission is not to be made mandatory and should be deleted from this clause	Since the financial eligibility criteria shall take into account only the audited figures of the specified 3 years, it would not be feasible for the bidders to secure provisional audited accounts 7 days prior to the date of closing of the bid. Most auditing firms in India cannot issue provisional audited statements in such short a time.	Suitable amendments are being issued to the referred clause.
202	RfS	31	Insurance clause	Add: It shall be the responsibility of the beneficiary and the SNA to submit documents required for making an insurance claim within the time frame specified in the insurance policy. Reinstatement of the Solar pumping system or the missing parts shall be carried out by the Contractor within 15 days of acceptance of claims by the insurance company or 30 days from the date of submission and acceptance of documents by the insurance company.	The ownership of the beneficiary towards submitting proper documents within the prescribed time frame should be made mandatory otherwise the contractor gets financially penalised in form of rejected insurance claims. Also SNA insist on immediate reinstatement even without the insurance surveys being carried out.	The referred clause remains unchanged.
203	RfS	35	Warranty and Maintenance clause	Add: Improper usage or storage, wilful physical damage, unauthorised removal and reinstallation, connection or operation with the grid lines, water submergence of surface pumps shall not qualify for warranty claims.	It is essential to quality that the warranty is only against manufacturing defects and subject to correct usage. There is a very significant quantum of pumps where there is wilful misuse or alternate use by the beneficiaries. It not only defeats the very purpose of the KUSUM programme but also is an unwarranted financial burden on the contractors.	The referred clause remains unchanged.

204	RfS	41.2.iv. table	Technical QR header of the table: For Solar pumps/Controller (number of solar pumps installed or supplied/Controller installed or supplied	Only relevant experience of installation of pumps and/or installation of off grid systems to be considered. Only sales/supplies of pumps or controllers or modules not a relevant experience for Qualification.	Since the eligibility criteria for experience and turnover has been significantly diluted, many bidders who do not have an experience of installation of a single off grid system/Solar pump will be able to participate just through supply of pumps/controllers. This may result in rogue bidding and/or lack of proper quality of installations and maintenance for next 5 year as they would not know the challenges involved in on-site maintenance for 5 years resulting in curtailment of the whole scheme. With the total number of installed pumps in last 5 years being more than 4 lacs, and hundreds of MW of off grid systems installations, it would not be difficult for atleast 100 bidders to quality even if this criteria of pump installations/off grid systems installations is adopted. Refer Annexure 1 (Rotomag suggestions) for supporting details	The clause is self-explanatory
205	OM dated 2-2-2023 issued by MNRE	2.2.2	SPV controller: " For IS16221 (part 2), certification of the SPV pump controller the latest quality control order released by MNRE regarding IS 16221 (part-2) must be followed"	To completely DELETE this statement "For IS16221 (part 2), certification of the SPV pump controller the latest quality control order released by MNRE regarding IS 16221 (part-2) must be followed"	This is a very ambiguous and loose use of IS 16221 as this standard pertains only to grid connected inverters and not applicable to variable frequency drive based pump controllers. Only reference of this IS16221 could be for the relevant point of measurement of THD for AC waveform in Clause 3.4.5. Refer Annexure 2 (Rotomag Suggestions) for supporting details	Latest Specification issued by MNRE to be followed.
206	OM dated 2-2-2023 issued by MNRE	3.4.2.b	DC Motor (PMSM/BLDC/SRM)	The type of DC motors permitted to be made exactly same as IS 17018, that is: DC Motor (with brushes or brushless), PMSM/BLDC/SRM	DC motors with brushes are PMDC (Permanent Magnet DC motors) and very popular for Surface pumps. Almost 35000 such motors have been used till date including last 2 KUSUM phases. It would reduce the choice of the farmers if this category is removed without any reason. No complaint or adverse feedback has been received for these type of motors till date. The big advantage of these motors is that they are Pure DC motors and can operate even without a controller so when the controller is non-operational for any reason, this type of PMDC operated pump can still operate directly from a PV array. Refer Annexure 3 (Rotomag Suggestions) for supporting details	Latest Specification issued by MNRE to be followed.
207	OM dated 2-2-2023 issued by MNRE	3.6.4	MPPT efficiencies are specified	This clause is to be deleted completely	The overall efficiency of the system is defined in Clause 2.6 of this OM as Wire to water efficiency. The pump controller is not a stand alone controller but part of an integrated Solar pumping system where it is dedicated to the motor-pump set. It cannot be tested separately unlike a USPC which is supposed to be a stand alone controller and is supposed to operate any third party equipment as well as third party pumps. MPPT is just one small element of the overall wire to water efficiency so if other efficiencies which play a greater role in overall wire to water efficiencies, there is no need to keep a cut off minimum limit of MPPT (which is an algorithm) efficiency. This would also result in an unusual situation where a solar pumping system having 98% MPPT efficiency may have a lower over-all wire to water efficiency than another system having 95-95% MPPT efficiency. Also, the method of measurement of MPPT efficiency using the USPC testing method is not applicable as controllers of standard solar pumping system are dedicated controllers and can be tested only with the motor-pumpset for which it is dedicated. Refer Annexure 4 (Rotomag suggestions) for supporting details	Latest Specification issued by MNRE to be followed.
208	Amendment 01	3.1c	Test reports are to be submitted with the bids or prior to signing of the agreements with SIAs, failing which the bidders shall be black-listed	Test reports as per MNRE-2019 specifications are to be submitted with the bids or prior to signing of the agreements with SIAs. Test reports as per revised specifications, that is as per OM dated 2-2-2023 shall however be submitted by 30/9/2023. Till 30/9/2023 all systems to be supplied must comply with MNRE 19 specifications	The changes proposed in MNRE 23 specs, through OM dated 2-2-2023, particularly the THD and also 19% module efficiency, as well as other changes proposed would result in redesign of the controllers, and also the procurement of IGBTs and other controller chips would need atleast 6 months. It is also unclear how and which agency will carry out the testing as per the revised specifications. On one hand the sudden change in specs and the risk of black-listing if the testing is not done in about 2 months would cause a massive scramble for testing, and on other hand, the test agencies would be unclear about the methodology for testing for some time. Hence it would be prudent to extend the applicability of the revised MNRE specifications (after due corrections as proposed herein) by 6 months, that is till 30th Sept 2023. If this extension of revised MNRE specs is permitted till 30-9-2023, the industry will also be ready to make the transition to Mono Perc modules with efficiency of 19% or more.	Latest Specification issued by MNRE to be followed.
209	RfS	Format 7.5	5. Subject to the terms of this Agreement, the share of each Member of the Consortium in the issued equity share capital of the Vendor is/shall be in the following proportion: 6. In case of any breach of any equity investment commitment by any of the Consortium Members, the Lead Member shall be liable for the consequences thereof.	1.In case of Consortium kindly remove Percentage of equity investment commitment in Consortium Agreement.Only Lead member should commitment 100% equity share in case of Consortium.		The referred clause remains unchanged.

210	Amendment-01	1.7	Solar PV capacity in KW for the pump capacity in HP will be allowed as per MNRE specifications under the scheme. It will be mandatory to use indigenously manufactured solar panels with indigenous solar cells and modules. In addition to the bids for SPWPS with indigenously manufactured solar cells, interested bidders can also submit their bids for SPWPS with non-indigenous solar cells as per Annexure-D2 (open)format. However, work for SPWPS with non-indigenous solar cells would be awarded only if the Government approves use of non-indigenous solar cells under Component-B of the PM- KUSUM Scheme. Further, for the purpose of price estimation under both the categories mentioned above, all other components including solar modules shall be considered as indigenous and in compliance to the provisions of the PM-KUSUM Guidelines and ALMM Guidelines as amended from time to time and other applicable documents/ as amended by the Government in this regard. Further, the	The purpose of price bid with non indigenous solar cells is no clarified.	Request to remove the Annexure-D2 OR allow the execution of the Component B with Non-indigenous solar cells as the prices compare to DCR/indigenous solar cells are always at lower side if compared to Non indigenous solar cells	The clause is self-explanatory
211	Amendment-01	3.3.d	Systems installed under this programme should be follow OM-F.No.283/22/2019- GRID SOLAR of MNRE, Govt of India dated 09.02.2021.	No such OM Dated 9.2.2021 is found. However , OM-F.No.283/22/2019- GRID SOLAR Dated 23.09.2020 is found. Kindly clarify.	-	Order is available on the MNRE website.
212	RfS	3.2.h	Vendor shall comply with all applicable regulatory and statutory norms. Vendor must obtain approval/ NOC from appropriate Govt body for implementing the project in each selected village.	Vendors shall comply with regulatory & statutory norms.	Seeking approvals/ NOC from appropriate govt body as the program in being implemented by Ministry in coordination with respective State Nodal Agencies.	The referred clause remains unchanged.
213	RfS	4	The implementation of Scheme is demand based. However, the following shall be ensured before inclusion of a beneficiary under the Scheme: 1. Beneficiary should not have an electricity connection at the farm. 2. Installation of the new pumps not allowed in the notified areas issued by the Central Ground Water Board. 3. Priority to be given to small and marginal farmers 4. Preference be given to the farmers using Micro irrigation systems or covered under Micro irrigation schemes or who opt for micro irrigation system	The Selected beneficiary shall not be received any such benefit from govt through any other scheme for installation of solar water pumps	Multiple pump installation for same beneficiary results in conflict while submitting invoices, since the farmer should have received only one such benefit from the government.	The referred clause remains unchanged.
214	RfS	16	Payment Terms	SECI shall pre-define the list & format of the documents that need to be submitted vide online for claim of payment and ensure that these procedures are followed across all states without any deviation	This ensures uniformity and better sharing of information from Vendor to SIA and the ministry.	All the documents will be provided by SIA at the time of the issue of the Notice to Proceed.
215	RfS	16 Stage I	90 % of the value of month wise nos. of SPWPS installed at site based on:	The payemnt towards installation completed & inspected shall be paid with 10 working days from the date of submission of prescribed documents vide online	To ensure the better cash flow for vendors and success of the project SECI shall direct payment to vendors irrespective of the performance of other vendors	The referred clause remains unchanged.
216	RfS	16 Stage II	SIA has the right to seek any additional documents/certificates/information it deems fit prior to releaser of any payment.	100% payment towards pump supply & installation shall be made with 10 days from the submission of the documents in prescribed format online.	Release of balance 10% on completion of 30 days shall severely impact the vendors cashflow & also imposes huge documentation work by vendor & SIA	Already amended in Amendment-01 issued on 17.02.2023.
217	RfS	41.2	EPC/SI of 'similar works' in Joint venture with Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller using indigenous technology.	EPC/SI of 'similar works' in Joint venture with Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller using indigenous technology. The Consortium shall be restricted to 3 members with each consortium member meeting Technical & Financial Qualification Cumulatively	The large scope of work requires larger consortium	The referred clause remains unchanged.
218	RfS	22.1.iii	The price shall remain firm and fixed and shall be binding on the Selected Vendor irrespective of actual cost of execution of the Project. No escalation on the price will be granted for any reason whatsoever. The Selected Vendor shall not be entitled to claim any additional charges, even though it may be necessary to extend the completion period for any reasons whatsoever.	Two Price bid shall be permitted for use of Poly & Mono Cell modules separately. Since the project is for a 2 year period there should a price escalation at specified time interval and a pre-determined rate is required.	To Capture the price variance between poly & mono modules Two year timeline for this project exposes vendors to extreme price volatility in core componenets & raw materials. To encounter such rapid price escalation in at specified interval at specified rate is required	The referred clause remains unchanged.
219	RfS	31	Insurance The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery. For delivery of goods at site, the insurance shall be obtained by the Contractor/selected Vendor, for an amount not less than the Contract Price of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War risks and strikes. The Comprehensive insurance of Solar Photo Voltaic Water Pumping System shall be provided for natural calamities, theft & burglary etc. during 5 years warranty period	Beneficiary & SNA shall bear the responsibility in providing the required documents to file an insurance claim.		The referred clause remains unchanged.
220	Amendment 01	2	Wherever it is mentioned as 1-10 HP in RfS, it shall be read as 1-15 HP	SECI shall clarify the Design for MMS for Solar Water Pumps capacities higher than 10Hp	Prefer fixed structure for 10 HP and above	Latest Specification issued by MNRE to be followed.

221	RfS	41.2	EPC/Sl of 'similar works' in Joint venture with Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller using indigenous technology	Can EPC Company not having technical qualificatoin be Lead Bidder in JV with a pump / Module manufacturer meeting the technical qualification		Allowed under this RfS.
222	Annexure A	3.3.2	Test certificates: Modules supplied with the SPV water pumping systems shall have certificate as per IS 14286/IEC 61215 specifications or equivalent National or International/ Standards. Lab certified STC performance data supplied with the modules shall not be more than one year old.		1.)We have already tested the compatibility of our modues with SPWPS of other pump controller vendors and have the test certificates for the same for on going EESL tender(rfs: - EESL/ 06/ 2020-21/ KUSUM/ SWPS/ 1-10 HP/Off Grid/202101032). 2.)We propose that these certificates may be used in consideration for poly rather than new certification. 3.)However if mono to be considered then we will have new certification of test for SPWPS. SECI to clear, use of such certificate available with us.	Latest Specification issued by MNRE to be followed.
223	Annexure A	3.3.4	The minimum module efficiency should be minimum 19 percent and fill factor shall be more than 75 percent.		1.) Technically, poly modules cannot fulfil 19% efficiency. 2.) This would mean the use of next gen modules i.e monoperc 3.) In the price bid, you have asked us to bid separately for mono and poly. Please provide clarification on how this mismatch of efficiency can be addressed, which poly cannot achieve.	Latest Specification issued by MNRE to be followed.
224	RfS document	16 Stage 1	90 % of the value of month wise nos. of SPWPS installed at site based on: - Performance report for one week after commissioning based on the accurate data of the parameters received from RMS or data logger in case of internet unavailability.		1.) RMS is already linked with the 10% payment. 2.) However, 90% payment is also linked with RMS data. This is unfair to the vendors and we request that 90% payment be considered against dispatch OR/ against supply and installation. 3.)There is also no clarity on when the 90% payment will be given to the vendor after submission of required documents.	Suitable amendments are being issued to the referred clause.
225	Amendment-01	16	Payment shall be made to vendor within 30 days after submission of three copies of invoices to Engineer-in charge, complete in all respect (showing description, quantity, unit rate and total number of systems). However, this is subject to the availability of the accurate performance data/parameter of SPWPS through RMS on State SEDM portal and central portal of PM-KUSUM.	For states which do not have server readiness RMS data availability and communication should not be linked with payment.	Server readiness for some states is not complete. Hence for such states where server is not ready the RMS should not be linked with the payment terms.	The referred clause remains unchanged.
226	F. No. 41/3/2018-SPV Division-(Amendment-01 Kusum B PM KUSUM)	3.2.2	Controller Power Capacity to drive the Pump Controller Power Capacity should be at-least equal to Solar Panels Power Capacity (Wp), not Pump Capacity. Example: For 5HP pumps, the pump capacity will be 3750W as per MNRE Specs, the solar panel capacity will be at-least 4800Wp the controller capacity should match the solar panel capacity.	Controller capacity should match the pump capacity instead of PV panel capacity.	The MNRE models already have a built in DC overloading ratio of 1.2 to 1.3 over the pump capacity. This will ensure that the availability of the system will be enhanced. As long as the controller is designed to match the motor current demand there is no need to match the controller capacity to the PV capacity.	Latest Specification issued by MNRE to be followed.
227	F. No. 41/3/2018-SPV Division-(Amendment-01 Kusum B PM KUSUM)	Specifications of Controller/Drive for Solar Water Pumping Systems (Page 5/70)	For IS 16221 (Part-2) certification of the SPV pump controller the latest quality control order released by MNRE regarding IS 16221 (Part-2) must be followed.	Testing of controllers as per IS 16221 should be eliminated from the tender till such time that there are clear cut guidelines are available to the NABL labs for carrying out these test procedures.	The labs do not have clear guidelines on the procedure to be followed for testing of solar pump controller since this standard is primarily applicable for on grid inverters. Each lab seem to have its own understanding and interpretation of how to make the standard suitable for pump controllers. There seem to be a different opinion on weather BLDC controllers can be considered under this standard. There are at least 12 models of controllers to be tested and there are limited number of laboratories which are accredited by NABL for this testing procedure. Each controller will take up to 1 month for completing all the test procedures as per IS 16221 and these tests are also expensive compared to pump performance testing. This will add up to the product cost and increase the bid prices. THD limit for non-sinusoidal controller is defined as 40% as per IS 16221 standard however, tender calls for 3% THD at motor terminal. Clarity is required.	Latest Specification issued by MNRE to be followed.
228	F. No. 41/3/2018-SPV Division-(Amendment-01 Kusum B PM KUSUM)	3.4.5	Total Harmonic Distortion (THD) of the AC output waveform of the inverter at the motor input of the motor-pump set shall be less than or equal to 10 % and further no individual harmonic shall exceed the limit of 6 %. For checking its compliance it should done as per IS 16221.	THD limitation should be eliminated since we are not using the controllers on sensitive electronic equipment. Instead to cater to the motor heating issues the insulation class of the motors can be defined to class F. Currently the tender is silent on the insulation class of the motor s	> Obtaining 3% THD with nonlinear or inductive loads is not possible. > Harmonics reduction cannot be achieved using a choke coil alone instead LC filter can be used to achieve the desired THD. > Since we are not connecting any sensitive electronics like TV, computers etc. there is no requirement to limit harmonics to 10%. This will simply add cost burden into the product. > Instead it is recommended to provide choke coil to prevent spikes in higher head pumps preferably above 100m range.	Latest Specification issued by MNRE to be followed.
229	F. No. 41/3/2018-SPV Division-(Amendment-01 Kusum B PM KUSUM)	3.4.4	The pump and all external parts of motor used in submersible pump which are in contact with water, should be of stainless steel of grade 304 or higher as required. Further for submersible pumps used in coastal areas or bores with higher salinity, preferably, stainless steel of grade 316 or higher grade may be used.	Please specify the minimum salinity (in ppm) to be considered for bifurcation between SS304 and SS316. Ideally, this should be considered in terms of free chloride content (in ppm) in the saline water.	Cost difference SS 316 and SS 304 material is substantial and may lead increased bid cost. It is suggested to have these prices in separate bid.	Latest Specification issued by MNRE to be followed.

230	F. No. 41/3/2018-SPV Division- (Amendment-01 Kusum B PM KUSUM)	3.3.11	The RFID tag shall be placed on the SPV Modules inside the glass laminate	It is recommended to have outside RFID instead.	Modules with inside RFIDs have risk of back delamination and air entrapment.	Latest Specification issued by MNRE to be followed.
231	F. No. 41/3/2018-SPV Division- (Amendment-01 Kusum B PM KUSUM)	3.7.1.11	Separate earthing conductor shall be provided for controller, pump, motor and SPV array etc. for its connection to the earthing pit and it should be continuous in nature for electrical conductivity. However, in no case, even for the earthing of light current equipment (for example, high voltage testing equipment), should the cross-sectional area of the earthing lead be less than 6 mm ² .	This clause mentions use of minimum 6mm ² earthing cable however there is no clarity if the conductor is copper or Aluminium?		Latest Specification issued by MNRE to be followed.
232	F. No. 41/3/2018-SPV Division- (Amendment-01 Kusum B PM KUSUM)	A-1	1. Standard MMS of 4 Modules for 1 HP. 2. Standard MMS of 6 Modules for 2 HP. 3. Standard MMS of 10 Modules or Combination of standard MMS of 4 Modules and standard MMS 6 Modules for 3 HP. 4. Combination of two standard MMS of 8 Modules or combination of standard MMS of 10 Modules and standard MMS 6 Modules for 5 HP. 5. Combination of three standard MMS of 8 Modules or combination of two standard MMS of 10 Modules and one standard MMS 6 Modules for 7.5 HP.	Tender recommendations on MMS combinations are based on Poly modules however Mono modules shall also be considered. Standard MMS combinations for pumps with Mono PERC modules should be as follows : 1HP - 4MMS. 2HP- 4MMS. 3HP-10MMS or 4MMS+6MMS. 5HP- 10MMS or 6MMS+4MMS. 7.5HP-10MMS+4MMS or 8MMS+6MMS. 10 HP- 10MMS +8MMS or 9MMSx2 In addition to recommended standard MMS, IIT approved 9MMS structure shall also be permitted.	Module configurations based on mono modules shall also be allowed as module count is less for mono modules compared to poly. Necessary IIT approval shall be obtained for structures.	Latest Specification issued by MNRE to be followed.
233	F. No. 41/3/2018-SPV Division- (Amendment-01 Kusum B PM KUSUM)	A-2.1	Centre shaft used in structure shall be of : a) For 4, 6 and 8 Modules structure - minimum 139 OD with minimum thickness of 4 mm with base plate minimum 10 mm thickness if used and foundation hardware shall be as per IS 5624.	Diameter lesser than 139mm OD for base poles shall also be permitted for structures which are approved through IIT / IISc / NIT.	Center shaft with OD below 139mm shall also allowed for 4, 6 & 8 MMS structures after STAAD qualification and approval of the same from IIT / IISc / NIT.	Latest Specification issued by MNRE to be followed.
234	F. No. 41/3/2018-SPV Division- (Amendment-01 Kusum B PM KUSUM)	A-2.1	For 10 Modules structure - minimum 165 OD with minimum thickness of 4 mm with base plate minimum 20 mm thickness if used and foundation hardware shall be as per IS 5624.	Diameter lesser than 165mm OD for base poles shall also be permitted for structures which are approved through IIT / IISc / NIT.	Center shaft with OD below 165mm shall also allowed for 4, 6 & 8 MMS structures after STAAD qualification and approval of the same from IIT / IISc / NIT.	Latest Specification issued by MNRE to be followed.
235	F. No. 41/3/2018-SPV Division- (Amendment-01 Kusum B PM KUSUM)	A-2.3	Purlin Mounting Purlins used in the structure shall be made of Cold form steel section as per IS 1079 with minimum thickness of 2 mm.	IS 1079 is hot rolled structural material. Whereas for Cold Formed Steel the standard should be IS 811. Correction is required in the tender.	Sheet and strip material grade shall be as per IS 1079 and dimensions and section properties shall be as per IS 811 for purlins	Latest Specification issued by MNRE to be followed.
236	F. No. 41/3/2018-SPV Division- (Amendment-01 Kusum B PM KUSUM)	A-2.12	Square washer to be used for all the nut-bolts arrangement.	Round washer shall also be allowed since this is also a standard product.	Round washers shall also be allowed as in addition to square washers as it donot have shap corners safe handling at site .	Latest Specification issued by MNRE to be followed.
237	RfS	18.vi	Format for Financial Requirements as per Format 7.6 along with the certificate from practicing Chartered Accountant/ Statutory Auditors showing details of computation of the financial credentials of the Bidder.	As per Amendment - 01 (S.NO. 18 - # any three financial years out of last five financial years) Shall we change and modify the format as per revision and submit the same		Suitable amendments are being issued to the referred clause.
238	Annexure A	Annexure I - a. ii	Remote Connectivity: RMS of SWPS should be using GSM/GPRS/2G/3G/4G cellular connectivity.	What if the system is Operating in Remote areas where any network is not available - Shall Data be Manually Submitted by memory card?		The referred clause remains unchanged.
239	RfS	31	"All Risks" basis including War risks and strikes. The Comprehensive insurance of Solar Photo Voltaic Water Pumping System shall be provided for natural calamities, theft & burglary etc. during 5 years warranty period.	Insurance Companies works on Yearly recharge basis, Will it be acceptable that we provide 5 Years (with Each individual Year Renewal)		The referred clause remains unchanged.
240	RfS	41.2.iv	EPC/SI of 'similar works' in Joint venture with Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller using indigenous technology.	If the lead member of consortium is Pump controller/ module manufacturer and they need only Financial Credentials and do not need support of any EPC/SI as Consortium member. They therefore be permitted to make consortium with non solar company as consortium member only for financial credentials.		Non-solar companies not allowed to participate
241	Amendment 01	31	In case of an incident covered under insurance, bidder must replace the lost/damaged part within 7 days from the date of intimation, failing which the rectification/replacement (keeping the same configuration in consideration) will be done by SIA at the risk and cost of system integrator, after rectification/ replacement the warranty clause will remain compliable as per tender conditions.	Insurance companies have given maximum time to report latest by 7 days of LODGING FIR the incidence occurrence. Hence This must be changed to 14 days replace lost / damaged part. Penalty may be imposed after this period.		The referred clause remains unchanged.

242	EMD AND TENDER FEES EXEMPTION NOT GIVEN	As Per ETS Portal	ETS PORTAL WEBSITE	In online mode, under the bid submission section the only EMD paid option is showing on the website but there is no exemption option is showing for MSMEs/NSIC bidders.		Please refer to Amendment-02 to the RfS.
243				Similarly, In online mode, under the bid submission section the only Tender bid processing Fee option is showing on the website in (offline mode) but there is no exemption option is showing for MSMEs/NSIC bidders.		Please refer to Amendment-02 to the RfS.
244	ISN-ETS Portal			In online mode, submission of bids under financial part section 2 we have facing issues in base bid , there only two option is available (i.e 1- VGF and 2 - Price on FOR basis than next tab is "cumulative bid capacity as quoted in the covering letter (MW)" Kindly fix that issues or clarify		Suitable amendments are being issued to Electronic form.
245	ISN-ETS Portal			Similarly In online mode, submission of bids under financial part section 3 we have facing issues i.e. "total number of States/UT for which price bid has been submitted" Kindly confirm total no of states fill or total financial price fill"		Suitable amendments are being issued to Electronic form.
246	RfS	ANNEXURE B	The bidder shall make sure that the Pass-Phrase to decrypt the relevant Bid-Part is submitted to SECI in a sealed envelop before the start date and time of the tender opening	Kindly confirm that the Pass_phrase to decrypt the relevant Bid-Part is submitted to SECI in a company letter head or not.		The pass-phrase to decrypt the relevant bid-part to be submitted to SECI on Letter head.
247	RfS	31	Insurance: The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. For delivery of goods at site, the insurance shall be obtained by the Contractor, for an amount not less than the Contract Price of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War risks and strikes. The Comprehensive insurance of Solar Photo Voltaic Water Pumping System shall be provided for natural calamities, theft, burglary, & damage, etc. during 5 years warranty period. The empaneled bidder shall file insurance claim and shall be responsible to bring the insurance claim to a final settlement. The farmer and the empaneled bidder shall be jointly responsible for collection and submission of documents for the processing of the insurance claim. The insurance policy taken for the individual farmer shall be held over to the beneficiary under intimation to the beneficiary. Warranty and Maintenance: The complete Solar Photovoltaic Water Pumping System and display board / Name Plate (SIA's will provide the details) shall be warranted and maintained for 05 years from the date of installation. The maintenance service provided shall ensure proper functioning of the system as a whole. All preventive/routine maintenance and breakdown/corrective maintenance required for ensuring maximum uptime shall have to be provided by the Contractor. Successful bidder, on whom letter of award is placed, is to ensure all safety guidelines, rules and regulations, labour laws etc. Successful bidder indemnifies SIA for any accident, injury met by its labour, employee or any other person working for him. Any compensation sought by its labour, employee or any other person working for him shall be paid by successful bidder as per settlement as per	The Bidder should be exempted in this clause. It is responsibility of the Insurance company. Bidder can help the Farmer to coordinate with insurance company. In case of any damage bidder will replace material after approval of insurance company. In case of Theft, bidder will re-supply material after sanction from Insurance company.		The referred clause remains unchanged.
248	RfS	35	Warranty and Maintenance: The complete Solar Photovoltaic Water Pumping System and display board / Name Plate (SIA's will provide the details) shall be warranted and maintained for 05 years from the date of installation. The maintenance service provided shall ensure proper functioning of the system as a whole. All preventive/routine maintenance and breakdown/corrective maintenance required for ensuring maximum uptime shall have to be provided by the Contractor. Successful bidder, on whom letter of award is placed, is to ensure all safety guidelines, rules and regulations, labour laws etc. Successful bidder indemnifies SIA for any accident, injury met by its labour, employee or any other person working for him. Any compensation sought by its labour, employee or any other person working for him shall be paid by successful bidder as per settlement as per	Under warranty clause farmer's responsibility must be fixed. E.g. a. Farmer would ensure borewell must be sand free . b. There should not be any misuse of water pump etc.		The referred clause remains unchanged.
249	Amendment 01	42.3	MAAT TURNOVER	Kindly provide relaxation in Minimum Annual Average Turnover, so that manufacturers can participate in maximum states .	Most of the manufacturers are MSME's, in order to have participation in maximum states, request you to relax MAAT in states with higher quantity .	The referred clause remains unchanged.
250	RfS	21.1	Cumulative Capacity of the projects applied for _ Nos No. of Projects Bid for _ Nos	As per Clause 21.1 of RfS, Cumulative Capacity of the projects applied for is to be filled in Nos. But during tender upload on portal, it is shown that Cumulative Capacity of the projects applied for _ MW. How we submit cumulative capacity in terms of MW, as tender document only provided number of SPWPS state wise, it does not provide in MW. Kindly resolve.	As per Clause 21.1 of RfS, Cumulative Capacity of the projects applied for is to be filled in Nos. But during tender upload on portal, it is shown that Cumulative Capacity of the projects applied for _ MW. How we submit cumulative capacity in terms of MW, as tender document only provided number of SPWPS state wise, it does not provide in MW. Kindly resolve.	Already amended in Amendment-01 issued on 17.02.2023.
251	RfS and Amendment	42.8	In case the response to RfS is submitted by a Consortium/Joint Venture, then the financial requirement is required to be met by the Consortium/Joint Venture members on an aggregate basis.	Clause 42.8 is revised as per amendment, but format 7.6 (financial requirement) is not revised. It is requested that this format must be revised as per amendment.	Clause 42.8 is revised as per amendment, but format 7.6 (financial requirement) is not revised. It is requested that this format must be revised as per amendment.	Suitable amendments are being issued to the referred clause.

252	RfS	3.1.a	The Selected vendor shall be responsible for design, supply, installation and commissioning of SPWPS along with 5 years of repair and maintenance. To ensure timely maintenance of SPWPS, apart from training a local person and making available necessary spare parts & tools in each district, to ensure timely maintenance of the systems the vendor shall have one authorized service center in each operational district and a helpline in local language in each operational State. Helpline number shall be indicated on the pump/ controller at suitable location easily visible to the user.	Service Centre be required only where installation are above 500 Nos covering 50 km radius of all district from Service Centre		The referred clause remains unchanged.
253	RfS	31	Insurance	It will be the responsibility of Beneficiary and SNA to provide the documents for insurance claim within specified time frame in insurance policy. Reinstallation of damaged or stolen part shall be carried out by the SI within 15 days from the receipt of payment from insurance company or 30 days from the date of submission and acceptance of documents by the insurance company.		The referred clause remains unchanged.
254	Amendment-01	16	Payment shall be made to vendor within 30 days after submission of three copies of invoices to Engineer-in charge, complete in all respect (showing description, quantity, unit rate and total number of systems). However, this is subject to the availability of the accurate performance data/ parameter of SPWPS through RMS on State SEDM portal and central portal of PM-KUSUM.	90% payment be released immediately after installation & balance 10% after integration on SEDM Portal. In case infrastructure delay is there from SIA or MNRE, interest @ bank rates to be paid from SIA. Also BG Demand should be raised only when all necessary infrastructure is in place otherwise LOI should not be released till the same is in order. As there is no assurity to release 100% payment for lack of RMS integration portal.	In previous bid some state were not having their portal ready and there they were asking to work without RMS. As per MNRE payments will be released after RMS synchronization than if it is not done the funds will be stucked. UP & Orissa are prime examples of the same.	The referred clause remains unchanged.
255			No clause for Separate pricing for Poly and Mono Modules	Consider twin pricing for poly and mono separately (just like AC & DC Systems) There is a difference of a minimum Rs.5-6 per watt (which creates a 8% difference in overall price of system) If price while bidding is considered for Poly & we are forced to use Mono, it means we have to take into effect a straight loss of minimum 8-9% on the entire cost of system. Till Poly is available it can be worked out and after that Mono but change in pricing should be applicable. Twin Pricing should be proposed for all capacities.	This may please be implemented for ease of operations for change in technology be effected.	The referred clause remains unchanged.
256		3.1.a	The Selected vendor shall be responsible for design, supply, installation and commissioning of SPWPS along with 5 years of repair and maintenance. To ensure timely maintenance of SPWPS, apart from training a local person and making available necessary spare parts & tools in each district, to ensure timely maintenance of the systems the vendor shall have one authorized service center in each operational district and a helpline in local language in each operational State. Helpline number shall be indicated on the pump/ controller at suitable location easily visible to the user.	The Selected vendor shall be responsible for design, supply, installation and commissioning of SPWPS along with 5 years of repair and maintenance. To ensure timely maintenance of SPWPS, apart from training a local person and making available necessary spare parts & tools in each district, to ensure timely maintenance of the systems <u>the vendor shall have one authorized service center for every 300 pumps installed in a state</u> . Helpline number shall be indicated on the pump/ controller at suitable location easily visible to the user.	as the quantity per district may be very some times which will make the establishment of service centre unviable. So we request you to kindly make the establishment of each service centre for every 300 pumps and not every district.	The referred clause remains unchanged.
257		New caluse added in the amendment F. No. 41/3/2018-SPV Division 3.3.4	The minimum module efficiency should be minimum 19 percent and fill factor shall be more than 75 percent.	please replace this clause with the old clause of MNRE 2019 specifications. Infact the OM F. No. 41/3/2018-SPV Division should not be implemented in this tender	as the output water quantity mentioned in the F. No. 41/3/2018-SPV Division for any model of pump is not increasing compared to 2019 specification, with the increase of the efficiency of the module, this increase really does not have any impact on the performance of the pumping system. Moreover, this increase in the efficiency of the module will completely eliminate the usage of poly solar cells which were used in solar pumps for the last decade. this modification will force the suppliers to use only Mono PERC cells in the solar panels which will increase the cost of the system to unreasonable cost without giving any extra water to the farmer. This will actually be of no use to the farmer or to the industry. So it should be removed completely.	Latest Specification issued by MNRE to be followed.

258	Annexure-A Revised of Amendment No. 1	13 Use of other brand of Solar Modules page no. 59 (page no. 61 of pdf file)newly proposed model of SPV Module are not inferior to the SPV Module with which the SPV pumping system was tested..... Solar Array Maximum voltage Vmpp with other brand module shall be within ±2% of earlier module.	Newly proposed model of SPV module are to be as sufficient as that the total array power should not be less than minimum array SPV power requirement as mentioned in technical specification of SPWPS irrespective of the individual module capacity/rating. Solar Array Maximum voltage Vmpp with other brand module shall be within ±10% of earlier module.	Since in the new specification, the modules with minimum 19% efficiencies are to be used. The controllers are already designed to work over the wider voltage ranges of MPPT keeping the view of voltage ranges (Vmp) of PV modules. These MPPT voltage ranges along with efficiencies are also validated during the pump testing of SPWPS as per the Clause no. 3.6.4 of the main specifications of SPWPS. For e.g. Case 1) :- consider 5 HP SPWPS with 4800 Wp. if an SPWPS is tested with 550 Wp module then 9 PV modules are require with total Vmp of 377.55V. Case 2) :- Consider 5 HP SPWPS with 4800 Wp. if an SPWPS is tested with 500 Wp module then 10 PV modules are require with total Vmp of 415.5V Now , There is an change of 8.74% change in Vmp for the above cases while the number of modules used of same brand also equivalents to same array power capacity. The shall be made with other brands of PV module for the defined	Latest Specification issued by MNRE to be followed.
259	RFS	Format 7.3A	In Para 1: hereby agrees unequivocally, irrevocably and unconditionally to pay to SECI at [Insert Name of the Place from the address of SECI] forthwith without demur on demand in writing from SECI or any Officer authorized by it in this behalf, any amount upto and not exceeding Rupees	In Para 1: hereby agrees unequivocally, irrevocably and unconditionally to pay to SECI at [Insert Name of the Place from the address of SECI] withing 03 working days without demur on demand in writing from SECI or any Officer authorized by it in this behalf, any amount upto and not exceeding Rupees	The term " forthwith " should be replaced with the term " 03 working days " as suggested by bank.	The referred clause remains unchanged.
260	RFS	Format 7.3C	As per the terms of the RfS, the _____ [Insert name & address of Bank] hereby agrees unequivocally, irrevocably and unconditionally to pay to SIA at _____ [Insert Name of the Place from the address of the SIA] forthwith on demand in writing from SIA or any Officer authorised by it in this behalf, any amount up to and not exceeding Indian Rupees _____ [Total Value] only, on behalf of M/s _____ [Insert name of the selected Vendor].	As per the terms of the RfS, the _____ [Insert name & address of Bank] hereby agrees unequivocally, irrevocably and unconditionally to pay to SIA at _____ [Insert Name of the Place from the address of the SIA] withing 03 working days on demand in writing from SIA or any Officer authorised by it in this behalf, any amount up to and not exceeding Indian Rupees _____ [Total Value] only, on behalf of M/s _____ [Insert name of the selected Vendor].	The term " forthwith " should be replaced with the term " 03 working days " as suggested by bank.	The referred clause remains unchanged.
261	RFS	Format 7.3C	The Guarantor Bank acknowledges that this BANK GUARANTEE is not personal to SIA and may be assigned, in whole or in part, (whether absolutely or by way of security) by SIA to any entity to whom SIA is entitled to assign its rights and obligations.	Kindly delete this clause.	SIA can not handover the PBG to any other entity as these financial instruments are issued to SIAs only by bank.	Already amended in Amendment-01 issued on 17.02.2023.
262	RFS	14.1	Further, SIA reserves the right to encash the existing CPG, in case the vendors doesn't renew/extend the existing PBG at-least 30 days in advance	Further, SIA reserves the right to encash the existing CPG, in case the vendors doesn't renew/extend the existing PBG at-least 07 days in advance	30 days advance time is very high considering the high value of BG amount for PBG.. It shall also lead to have difficulty in working capital management for project mangement.	The referred clause remains unchanged.
263	RfS	40.2	Bidding Consortium with one of the Companies as the Lead Member. Consortium shortlisted and selected based on this RfS has to necessarily form a Project Company and get it registered under the Companies Act, 2013, keeping the original shareholding of the Bidding Consortium unchanged. In case applications for multiple Projects have been made by a Consortium, separate Project Companies can be formed for each Project. For the avoidance of doubt, it is hereby clarified that the shareholding pattern of the Project Company shall be the identical to the shareholding pattern of the Consortium as indicated in the Consortium Agreement (Format 7.5).	This clause shall be removed as the formation of such separate entity is a time consuming procedure which impacts the project schedule.		Already amended in Amendment-01 issued on 17.02.2023.
264	RfS	41	Similar Works' means - Design, Supply, Erection, Testing and Commissioning of standalone (off-grid) solar PV based water pump sets. Experience required for the bidders to be counted for the past 7 years from the last date of bid submission	As per the table for minimum experience required Supply of Solar SPV Panels is also considered along with the supply of Solar Pumps & Controller supplied or installed. a. It needs to be clarified that if the Solar modules are supplied under various other projects other than Water pumps will be considered or not? b. We have completed various projects in Solar industry and utilized other make solar panels also in our projects so this supply in the project will be considered or not? c. Whether the supply of Solar Pumps/Controller/Solar panels should be in Government projects only or supply in the Private projects and to the EPC contractors is valid. d. We have executed solar grid connected power plant owned by ourselves so will it be considered in our experience?		Please refer to Amendment-02 to the RfS. All issues raised have been discussed in previous queries
265	RfS	41	Similar Works' means - Design, Supply, Erection, Testing and Commissioning of standalone (off-grid) solar PV based water pump sets. Experience required for the bidders to be counted for the past 7 years from the last date of bid submission.	If we had submitted our bid for 5 different states fulfilling the minimum criteria as mentioned in the RfS but in some unwanted circumstances if some part of the experience considered invalid by SECI then our bid for the remaining valid experience in the participated states will be accepted or not?		The valid experience will be considered for the evaluation.

266	RfS	41	The bidder should be, either of the following: i. Manufacturer of Solar PV Module or ii. Manufacturer of Solar Pump or iii. Manufacturer of Solar Pump Controller using indigenous technology.	As a proof of manufacturer what shall be submitted because in RFS at page no. 21 xvi. Attachments it is mentioned that Memorandum of Association, Article of Association of the Bidder needs to be attached along with the bid. The bidder should also highlight the relevant provision which highlights the objects relating to Power/ Energy/ Renewable Energy/ Solar Water Pumping Station/Solar Power plant development/Manufacturer of pump-sets, solar panels and controllers. ➤ In case, there is no mention of the above provisions in the MoA/ AoA of the Bidder, the same has to be amended and submitted, if the bidder is selected as Selected Vendor.		Already amended in Amendment-01 issued on 17.02.2023.
267	RfS	41	The bidder should be, either of the following: i. Manufacturer of Solar PV Module or ii. Manufacturer of Solar Pump or iii. Manufacturer of Solar Pump Controller using indigenous technology or iv. EPC/SI of 'similar works' in Joint venture with Solar PV Module Manufacturer or Solar Pump Manufacturer or Manufacturer of Solar Pump Controller using indigenous technology.	1. It should be clarified that, In case we are submitting our bid in Consortium then the each member will have separate experience of supply and installation of different products. 2. So the experience of that all different items from each member will be considered or we have to select only single item out of the Pump, Controller & Solar Panels.		1. Please refer to the Clause 45.7 of thr RfS. 2. The bidder can use experience of either Solar Pumps or Controller or Solar PV Modules or any combination of these to meet the cumulative Technical eligibility criteria.

Note: All the queries received from various prospective bidders have been scrutinized and have been tried to be answered comprehensively. In case of any query not published here or the same not being addressed through the Amendments, it shall be construed in such cases, tender conditions shall prevail.