

SOLAR ENERGY CORPORATION OF INDIA LIMITED
NEW DELHI

Ref No. SECI/C&P/IPP/13/0003/23-24/Amendment-01

Dated 20.10.2023

Amendment-01 to RfS for Selection of RE Power Developers for Supply of 500 MW Firm and Dispatchable Power from ISTS-Connected Renewable Energy (RE) Power Projects in India under Tariff-Based Competitive Bidding (SECI-FDRE-I)			
RfS No. SECI/C&P/IPP/13/0003/23-24 dated 07.07.2023			
S. No.	Clause/ Article No.	Existing Clause/Article	Amended Clause/Article
Amendments in the RfS document			
1.	4.2.iii	... For avoidance of any doubt, it is hereby clarified that ESS may be constituted as part of the Project or may be tied-up separately with a third party by the RPD, for supply of power. The ESS technology can be changed by the RPD at any time during the Term of the PPA, under intimation to SECI.	... For avoidance of any doubt, it is hereby clarified that ESS may be owned by the RPD or may be tied-up separately with a third party by the RPD, for supply of power. The ESS technology can be changed by the RPD at any time during the Term of the PPA. Any change in the ESS component during the term of the PPA may be at risk and cost of the RPD and also under intimation to SECI.
2.	4.2.v	... Project Capacity shall mean rated AC capacities of Solar PV and Wind power components along with energy storage as committed to be installed under the PPA, ...	... Project Capacity shall mean rated AC capacities of Solar PV, Wind power and other RE based components along with energy storage as committed to be installed under the PPA, ...
3.	4.2.v	... the installation and commencement of power supply from the corresponding committed rated capacity of Wind and Solar PV components as declared in the PPA, will be verified by the SECI.	... the installation and commencement of power supply from the corresponding committed rated capacity of RE generating components as declared in the PPA, may be verified by the SECI.
4.	4.2.vi	... the “Installed Capacity” for which connectivity has been granted for each Project, shall be verified separately for each Project.	... the “Installed Capacity” for which connectivity has been granted for each Project, shall be considered separately for each Project.
5.	4.2.viii	... The above configuration can be changed subsequent to issuance of LoAs until the date as on 12 months prior to Scheduled Commencement of Supply Date (SCSD) of the Project. Also, any change in delivery point(s) is/are allowed upto 12 months prior to SCSD of the Project.	... The above configuration can be changed subsequent to issuance of LoAs until the date as on 12 months after Effective Date of the PPA of the Project, with the approval of SECI. Also, any change in delivery point(s) is allowed upto 12 months after Effective Date of the PPA for the Project.
6.	6.1	... The different Project components, i.e. Solar PV, Wind and ESS, can be	... The different Project components can be connected with ISTS network at different ISTS

		connected with ISTS network at different ISTS sub-stations. ...	sub-stations. ...
7.	6.3	The RPDs are free to change the Project location until the SCSD. Implications of any delay in obtaining connectivity and subsequently, compliance with financial closure/commencement of supply of power on account of the above, will be borne by the RPD. In case any change in project location by the WPD during the project construction period results in any modification in the GNA to be taken by the Buying Entity, any additional charges/ penalties payable by the Buying Entity in this regard shall be borne by the RPD.	The RPDs are free to change the Project location and/or Delivery Point upto the date as on 12 months after Effective Date of the PPA. The above change in Delivery Point shall be allowed by SECI only in case the scheduled commissioning date of the ISTS-substation of the proposed revised Delivery Point is on or before the scheduled commissioning date of the existing Delivery Point of the Project, at the time of seeking approval from SECI by the RPD. Implications of any delay in obtaining connectivity and subsequently, commencement of supply of power on account of the above, will be borne by the RPD.
8.	7.9	In case the ESS component is located separately from the Solar PV/Wind generating components of a Project, the charges for charging and discharging the ESS, as applicable under GNA regulations and other orders issued by MoP/CERC will be borne by the RPD/Buying Entity as applicable.	In case the ESS component is located separately from the RE generating components of a Project, the charges for charging the ESS, as applicable under GNA regulations and other orders issued by MoP/CERC will be borne by the RPD.
9.	7.10	The RPDs will be required to apply for connectivity at its identified substation(s), as mentioned in the Covering Letter (Format 7.1), within 30 days after the Effective Date of PPA, ...	The RPDs will be required to apply for connectivity at its identified substation(s), as mentioned in the Covering Letter (Format 7.1), within 30 days after the date of tariff adoption by the Appropriate Commission, ...
10.	7.10	... The RPD has to follow the timelines mentioned in the GNA regulation with respect to connectivity. In case, connectivity has been revoked due to non-compliance of RPD, then the same may be considered as RPD's Event of Default and shall be dealt as per the provision of PPA. ...	... The RPD has to follow the timelines mentioned in the GNA regulation with respect to connectivity. In case the connectivity gets revoked due to non-compliance of RPD, in such case the capacity may not be off-taken and RPD will keep SECI/Buying Entity indemnified from any losses; further, the RPD shall be liable for any penalty for non-performance as specified in the RfS/PPA. ...
11.	8.1.b	..., shall be intimated at least one time-block prior to the RTM gate closure. ...	..., shall be intimated at least one time-block prior to the Real Time Market (RTM) gate closure. ...
12.	8.1.b	... The RPD shall be required to maintain a Demand Fulfilment Ratio (DFR) of at	... The RPD shall be required to maintain a Demand Fulfilment Ratio (DFR) of at least

		least 90% on a monthly basis. “Demand Fulfilment Ratio” for a particular time-block shall be calculated as follows: ...	90% for each time-block, to be reconciled on monthly basis. “Demand Fulfilment Ratio” for a particular time-block shall be calculated as follows: ...
13.	8.1.b	... The RPD’s performance against this metric will be measured by calculating the average DFR of all the time-blocks during the month in a Contract Year in which power has been scheduled.	... The RPD’s performance against this metric will be measured by adding up the shortfalls in meeting the 90% requirement in individual time-blocks during the month in a Contract Year in which power has been scheduled.
14.	8.1.d	The RPD shall offer any excess generation available from the Project above the specified capacity and up to the contracted capacity at the 50% of PPA tariff to SECI/Buying Entity. SECI/Buying Entity may off-take the full /part of the excess generation offered.	Not Used.
15.	8.1.f	... The RPD can, however, source up to 5% RE power (in energy terms), on annual basis, from the green market sources/bilateral agreements outside the PPA, towards meeting the supply conditions stipulated in the RfS/PPA.	... The RPD can, however, source up to 5% RE power (in energy terms), on annual basis, from the green market sources/bilateral agreements, towards meeting the supply conditions stipulated in the RfS/PPA.
16.	8.2.a	In case the DFR demonstrated by the RPD is less than 90% on a monthly basis, for reasons attributable to the RPD, such shortfall in performance shall make the RPD liable to pay the penalty provided in the PSA (Power Sale Agreement) as payable by SECI to Buying Entity and the RPD shall duly pay such damages to SECI to enable SECI to remit the amount to Buying Entity. These damages shall be applied to the amount of shortfall in availability during the Contract Year.	In case the DFR demonstrated by the RPD is less than 90% in a particular time-block, save and except in case of Force Majeure, such shortfall in performance shall make the RPD liable to pay the penalty provided in the PSA (Power Sale Agreement) as payable by SECI to Buying Entity and the RPD shall duly pay such penalty to SECI to enable SECI to remit the amount to Buying Entity.
17.	8.3	... The RPD may also sell the power which was offered to the Buying Entity (within the Contract Capacity and above the specified capacity) but not scheduled by the Buying Entity, to any third party or power exchange, without requiring NOC from the Buying Entity. It may be noted ...	... The RPD may also sell the power available within the Contract Capacity and above the specified capacity in a particular time-block to any third party or power exchange, without requiring NOC from the Buying Entity. In case such power is purchased by the Buying Entity, it shall be purchased at the PPA tariff (plus SECI’s trading margin). It may be noted ...
18.	8.3	... The RPD can repower the Project at any stage, if required in order to meet the	... The RPD can repower the Project at any stage at its own risk and cost, if required in order to

		generation or availability requirement of this Project. ...	meet the demand profile requirement from this Project. ...
19.	9	... SECI's scope will be limited to verifying the installation of rated capacity(ies) of the Project, with respect to the committed Installed Capacity as part of the PPA. The date of onset ...	... SECI's scope will be limited to verifying the installation of rated capacity(ies) of the Project as per the COD certificate submitted by the RPD, this verification will be at SECI's discretion and shall not constitute any certification/ confirmation of commissioning/COD of the Project by SECI. The date of onset ...
20.	9.1	... without prejudice to the imposition of liquidated damages in terms of the PPA on the part which has not yet commenced supply of power. ...	... without prejudice to the imposition of penalty in terms of the PPA on the part which has not yet commenced supply of power. ...
21.	9.1	... Further, in case of part-commencement of power supply, minimum rated installed capacities of the RE components supplying power (along with the ESS capacity) shall maintain the ratio of the Project configuration for the Contracted Capacity as per the PPA.	... Subsequent to commencement of power supply under the PPA, the RPD shall submit a fresh Bank Guarantee (BG) for a validity of 15 months from the date of commencement of power supply from the last part capacity/capacity finally accepted under the PPA, to SECI. This BG, to be issued in the format identical to the PBG, will be issued for an amount equal to the annual billing amount as per the PPA, calculated based on the annual demand profile as per Annexure-B and the tariff awarded to the RPD. Penalty on account of shortfall in Project performance during the first Contract Year shall be recovered by encashing this BG, in case not paid by the RPD. The PBG submitted in lieu of timely commencement of power supply may also be retained to cover this guarantee (subject to enhanced validity), with the remaining amount to be covered by an additional BG. This BG will be returned after completion of the time period of one year after commissioning of last part capacity/capacity finally accepted under the PPA.
22.	9.2.c	In case of delay in commencement of power supply beyond the SCSD until the date as per Clause 9.2.b above, as part of penalty, the PBG shall be encashed on	In case of delay in commencement of power supply beyond the SCSD until the date as per Clause 9.2.b above, as part of penalty, the PBG shall be encashed on per day basis and

		per day basis and proportionate to the Contracted Capacity that has not commenced supply of power. This encashment will be calculated for the Installed Capacity proportionate to the Contracted Capacity that has not commenced supply of power. For example, in case of a Contracted Capacity of 250 MW corresponding to an Installed Capacity of 800 MW, if commencement of power supply from 100 MW of Contracted Capacity gets delayed by 18 days beyond the SCSD, (proportionate Installed Capacity being 320 MW), then the penalty shall be calculated as: PBG amount X (320/800) X (18/180). ...	proportionate to the Contracted Capacity that has not commenced supply of power. For example, in case of a Contracted Capacity of 250 MW, if commencement of power supply from 100 MW of Contracted Capacity gets delayed by 18 days beyond the SCSD, then the penalty shall be calculated as: PBG amount X (100/250) X (18/180). ...
23.	9.2.d.i	The Contracted Capacity shall stand reduced/amended to the capacity corresponding to the Installed Capacity that has commenced supply of power until the date as per Clause 9.2.b. above, and PPA for the balance Contracted Capacity will stand terminated.	The Contracted Capacity shall stand reduced/amended to the capacity that has commenced supply of power until the date as per Clause 9.2.b. above, and PPA for the balance Contracted Capacity will stand terminated.
24.	9.2.d.ii	In case of part commissioning the proportionate ratio of the proposed installed capacity (Solar, Wind, ESS) shall be ensured and capacity accepted will be limited to the extant ratio fulfilled. Any installed capacity found above the ratio may be continued/taken out from the project as per RPDs desecration within 30 days form the proposed Commencement of power supply date.	The RPD shall be debarred from participating in bids issued by any procurer or any intermediary procurer (as defined in the Guidelines) for the following period: a) For one year in case of first default. b) For not less than 2 years and not more than 3 years for second and any subsequent defaults. Starting date of the above debarment period shall be the date of debarment as notified by SECI.
25.	9.2.e	New Clause	In case of reduction in the Contracted Capacity, the demand profile to be met by the RPD shall be proportionately reduced and any power being supplied over and above the modified demand profile shall be treated as excess power under the respective RfS/PPA provisions. For example, in case of a Contracted Capacity of 400 MW, the non-zero demand profile to be met becomes 400 MW (as per Annexure-B). Now, in case the Contracted Capacity gets

			modified to 200 MW, the non-zero demand profile to be met shall get modified to 200 MW as per Annexure-B, and supply of 300 MW in a particular time-block by the RPD where demand is 200 MW, will be treated as excess power.
26.	10	... The above shall be treated as delays beyond the control of the RPD and SCSD for such Projects shall be revised as the date as on 30 days subsequent to the readiness of the Delivery Point and power evacuation infrastructure and/or grant/operationalization of GNA. ...	... The above shall be treated as delays beyond the control of the RPD and SCSD for such Projects shall be revised as the date as on 60 days subsequent to the readiness of the Delivery Point and power evacuation infrastructure and/or grant/operationalization of GNA. ...
27.	10	... Further, in case of delay in commencement of power supply on account of reasons solely attributable to the RPD, resulting in any liquidated damages/penalty levied on the Buying Entity including Transmission charges under the GNA Regulations and/or applicable regulation as notified by CERC, such damages/penalty shall be passed on to the RPD.	... Deleted.
28.	11.1	The RPD shall be permitted for full as well as part-commencement of power supply from the Project even prior to the SCSD, subject to availability of connectivity and General Network Access. Early commencement of power supply will be allowed solely at the risk and cost of the RPD, and first right of refusal for offtake of such power will vest with the Buying Entity. In case the Buying Entity refuses to buy such power, the right of refusal shall vest with SECI. ...	The RPD shall be permitted for full as well as part-commencement of power supply from the Project even prior to the SCSD. Early commencement of power supply under the PPA will be allowed solely at the risk and cost of the RPD, and first right of refusal for offtake of such power will be vested with the Buying Entity. In case the Buying Entity refuses to buy such power, the right of refusal shall be vested with SECI. ...
29.	11.1	... In case SECI does not agree to purchase such energy, early part/full commencement of power supply shall still be allowed and the RPD will be free to sell such energy to a third party until SCSD or the date of commencement of	... In case SECI does not agree to purchase such energy, early part/full commencement of power supply shall still be allowed and the RPD will be free to sell such energy to a third party until SCSD or the date of commencement of procurement of power from the Project as

		procurement of power from the Project as notified by SECI, whichever is earlier. ...	notified by SECI/Buying Entity, whichever is earlier. ...
30.	11.2	In case of multiple Project components, and if one or more such component (wind or solar PV) is/are ready for injection of power into the grid, ...	In case of multiple Project components, and if one or more such component (wind, solar PV or any other RE source) is/are ready for injection of power into the grid, ...
31.	14	... The Projects to be selected under this scheme provide for deployment of wind, solar PV and ESS capacities. ...	... The Projects to be selected under this scheme provide for deployment of RE and ESS capacities. ...
32.	17.1	... Earnest Money Deposit = [INR 11,58,000 x Rated cumulative Installed Capacity of Solar component (MW) + INR 13,86,000 x Rated cumulative Installed capacity of Wind component (MW) + INR 4,80,000 x Rated cumulative Installed Capacity of the ESS component (MWh)]. ...	... Earnest Money Deposit = [INR 9,28,000 x Rated cumulative Installed Capacity of Solar component (MW) + INR 12,64,000 x Rated cumulative Installed capacity of Wind component and other RE generating sources (MW) + INR 14,64,000 x Rated cumulative Installed Capacity of the ESS component (MW)]. ...
33.	18.1	... Performance Bank Guarantee = [INR 29,00,000 x Rated Installed Capacity of Solar component (MW) + INR 34,70,000 x Rated Installed capacity of Wind component (MW) + INR 12,00,000 x ESS Capacity (MWh)]. For example, in case of a Contracted Capacity of 600 MW comprising the following break up of Installed Capacity: Solar: 400 MW, Wind: 1400 MW, BESS: 500 MWh, the PBG amount applicable will be: Rs. [(29 x 400) + (34.7 x 1400) + (12 x 500)] Lakhs, i.e. Rs. 66,180 Lakhs (i.e. INR 6,61,80,00,000). ...	... Performance Bank Guarantee = [INR 23,20,000 x Rated Installed Capacity of Solar component (MW) + INR 31,60,000 x Rated Installed capacity of Wind component and other RE generating sources (MW) + INR 36,60,000 x ESS Capacity (MW)]. For example, in case of a Contracted Capacity of 400 MW comprising the following break up of Installed Capacity: Solar: 400 MW, Wind: 700 MW, Large Hydro: 700 MW, BESS: 500 MW, the PBG amount applicable will be: Rs. [(23.20 x 400) + (31.6 x 1400) + (36.6 x 500)] Lakhs, i.e. Rs. 71,820 Lakhs (i.e. INR 7,18,20,00,000). ...
34.	18.2	..., in case of enhancement in the Installed Capacity until the date as per Clause 4.2.(viii) above, for which additional connectivity is granted for the Project, ...	..., in case of enhancement/reduction in the Installed Capacity until the date as per Clause 4.2.(viii) above, for which modified connectivity is granted for the Project, ...
35.	18.3	..., prior to signing of PPA subject to submission of BR from Bidder to transfer the project to SPV and BR from SPV to	..., prior to signing of PPA, subject to submission of Board Resolution from the Successful Bidder to transfer the project to its

		accept the project awarded to Bidder.	SPV and Board Resolution from the SPV accepting the said Project from the Successful Bidder.
36.	18.7	... (i.e. EMD or PBG) as liquidated damages not amounting to penalty, the selected Project shall stand cancelled and the selected Bidder expressly waives off its rights and objections, if any, in that respect.	... (i.e. EMD or PBG) as penalty, the selected Project shall stand cancelled and the selected Bidder expressly waives off its rights and objections, if any, in that respect. It is further clarified that the Penalties are genuine pre-estimate and Bidder/RPD agrees that in case of invocation of BG, SECI is under no obligation to produce any estimate of loss in this regard.
37.	19.1	<p>Modified as follows:</p> <p>Success Charges: The Selected Bidders shall have to pay Success Charges @ INR 1,00,000/MW (Indian Rupees One Lakhs only/MW)+ 18% GST, corresponding to the Installed Capacity committed as per the PPA to be signed, to SECI towards administrative overheads, project monitoring activities, coordination with State Authorities and others including the DISCOM/STU/CTU, etc. 1st installment of the Success Charges, i.e. 50% of the above amount shall be paid to SECI within 30 days after issuance of LoA, and remaining 50% amount (i.e. the 2nd installment of the Success Charges) shall be paid prior to signing of PPA (PPA signing date to be intimated by SECI). For the second installment, the due date shall be the date as intimated by SECI, which shall be at most 7 days prior to signing of PPA. The payment has to be made by the RPD in the form of DD/ Pay Order/ NEFT/ RTGS mode. In case of modification in Installed Capacity prior to signing of PPA, the 2nd installment of Success Charges will be calculated based on the revised value of the total Success Charges calculated @Rs. 1,00,000/MW + 18% GST of the revised Installed Capacity.</p> <p>Any delay in depositing the said amount to SECI as mentioned above within the stipulated timelines shall attract late payment charges @18% per annum+18% GST, levied on per day basis, on the respective installments, until (and including) the date of payment of such installment, which shall not be later than the date of signing of PPA. PPA shall only be signed after deposit of full amount of the Success Charges to SECI. In case of delay in making full payment of above delay charges, the amount paid, if any until the above deadline, along with interest, shall be first reduced from the total amount due towards the delay charges and interest amount (i.e. rate of interest as stated above). Further, balance amount to be paid shall attract Interest rate @ one-year SBI MCLR rate /annum on pro-rata basis.</p> <p>Any revision in installed capacity further shall also be reflected in commensurate revision in Success Charges payable to SECI. The enhancement in Success charges, if any, shall be paid prior to commencement of power supply from the Project(s).</p>	
38.	19.2	As part of the Payment Security Mechanism as brought out in the PPA, the RPD shall undertake to pay PSM Charges @Rs. 0.02/kWh to SECI, ...	As part of the Payment Security Mechanism as brought out in the PPA, to be eligible for coverage from the PSM, the RPD will undertake to pay PSM Charges @Rs. 0.02/kWh to SECI, ...
39.	21.1	... The RPD shall provide the Project	... The RPD shall provide the Project breakup

		breakup for the cumulative capacity quoted in the Covering Letter (Format 7.1), which may be changed by the RPD subsequent to issuance of LoA up to the date as on 30 days from issuance of LoA. The Installed Capacity break-up, as submitted as part of the Bidder's response to RfS shall remain unchanged until issuance of LoA. The same can be changed by the RPD subsequent to issuance of LoA. ...	for the cumulative capacity quoted in the Covering Letter (Format 7.1), and this breakup may be changed by the RPD subsequent to issuance of LoA up to the date as on 30 days from issuance of LoA. The Installed Capacity break-up, as submitted as part of the Bidder's response to RfS shall remain unchanged until issuance of LoA. The same can be changed by the RPD subsequent to issuance of LoA, in line with Clause 4.2.(viii) of the RfS. ...
40.	21.6	The RPDs will be free to repower the Projects from time to time during the PPA duration, pursuant to Clause 8 above. However, SECI/Buying Entity will be obliged to buy power only upto the Contracted Capacity as per the PPA.	The RPD will be free to repower the Projects from time to time during the PPA duration at its own risk and cost, pursuant to Clause 8 above. However, SECI/Buying Entities will be obliged to buy power only upto the Contracted Capacity as per the PPA.
41.	27.16	All the financial transactions to be made with SECI including success fee, delay charges (except charges for delay in Financial Closure and PSM Charges), and any ...	All the financial transactions to be made with SECI including success charges, delay charges, and any ...
42.	29.2.II. 1.(b)	Preliminary Estimate of Cost of RE Power Project along with non-RE component or storage, as per Format 7.12 of the RfS.	Preliminary Estimate of Cost of the Project, as per Format 7.12 of the RfS.
43.	34	... In the event of the tender being cancelled at any stage, the processing fee (excluding GST, if amount credited to SECI's account), without any interests, and EMD submitted by the Bidders shall be returned to the respective Bidders.	... In the event of the tender being cancelled at any stage subsequent to bid submission and prior to issuance of LoAs, the processing fee, without any interests, and EMD submitted by the Bidders shall be returned to the respective Bidders. Note: In the event of cancellation of LoAs prior to signing of PPAs, bid processing fee will not be refunded. In case SECI is unable to sign PPA for the awarded capacity on account of reasons not attributable to the Successful Bidder, the 1st installment of the Success Charges paid by the Successful Bidder will be refunded by SECI. However, in case PPA is eventually not signed on account of reasons attributable to the Successful Bidder, the 1st installment of Success Charges paid by the RPD will not be refunded by SECI.
44.	35	Timely completion of all the milestones	Timely completion of all the milestones i.e.,

		i.e., signing of PPA, meeting Financial Closure Requirements/Conditions Subsequent (PPA), commissioning, commencement of power supply etc. will be the sole responsibility of RPD. ...	signing of PPA, commissioning, commencement of power supply etc. will be the sole responsibility of RPD. ...
45.	36.4	<p>Modified as follows:</p> <p>In line with the O.M. issued by the Department of Expenditure, Ministry of Finance, vide No. 7/10/2021-PPD(1) dated 23.02.2023 and subsequent amendments and clarifications thereto, the Bidder shall meet the following criteria for its bid to be considered for evaluation under the RfS:</p> <p>i. Any Bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority (as defined in the OM as referred above).</p> <p>ii. Any Bidder (including an Indian Bidder) who has a Specified Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India will be eligible to participate in this RfS only if the Bidder is registered with the Competent Authority under the referred OM.</p> <p>iii. “Bidder” in this reference, means any person or firm or company, including any member of a consortium, every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in this tender.</p> <p>iv. “Bidder from a country which shares a land border with India” for the purpose of this clause, means:</p> <p>i. An entity incorporated, established or registered in such a country; or</p> <p>ii. A subsidiary of an entity incorporated, established or registered in such a country; or</p> <p>iii. An entity substantially controlled through entities incorporated, established or registered in such a country; or</p> <p>iv. An entity whose beneficial owner is situated in such a country; or</p> <p>v. An Indian (or other) agent of such an entity; or</p> <p>vi. A natural person who is a citizen of such a country; or</p> <p>vii. A consortium where any member of the consortium falls under any of the above.</p> <p>v. “Beneficial owner” for the purposes of Clause 36.4.iv.iv. above will be as defined in the referred OM, including subsequent amendments and clarifications thereto.</p> <p>vi. In support of the above, the Bidder shall be required to submit necessary Undertaking, as per Format 7.8/7.8A of the RfS.</p> <p>vii. Other provisions of the referred OM dated 23.02.2023, except Sl. 17 of the OM, will also be applicable for this tender. Any interpretation of the above clauses will be made in line with the referred OM, including subsequent amendments and clarifications thereto.</p>	
46.	36.7	... shall not fall below 51% at any time prior to COD of full Project Capacity, except with the prior approval of SECI.	... shall not fall below 51% at any time prior to SCSD of full Project Capacity, except with the prior approval of SECI.
47.	36.8	As on the bid submission deadline, ...	As on the bid submission deadline, Bidder or any of its Affiliates should not be a willful defaulter to any lender. Further, as on the bid

			submission deadline, ...
48.	37.4	The wind power projects will be developed as per the Guidelines issued by the Government of India for development of Wind Power Projects. ...	The wind power projects will be developed as per the Guidelines issued by the Government of India or its agencies for development of Wind Power Projects. ...
49.	37.4	Addendum to the Clause	Installation of other RE generating sources as part of the Project shall be governed by applicable technical standards issued by the Government from time to time.
50.	38.1.i	... Minimum Net-Worth requirement = [(Rs. 1,15,80,000 x Rated Installed Capacity of Solar PV component) + (Rs. 1,38,60,000 x Rated Installed Capacity of Wind Power component) + (Rs. 48,00,000 x Rated Installed Capacity of ESS component)] ...	... Minimum Net-Worth requirement = [(Rs. 92,80,000 x Rated Installed Capacity of Solar PV component (MW)) + (Rs. 1,26,40,000 x Rated Installed Capacity of Wind Power component and other RE sources (MW)) + (Rs. 1,46,40,000 x Rated Installed Capacity of ESS component (MW))] ...
51.	38.2.i	A minimum annual turnover of INR _____ Crores/MW (Rs. _____/MW) of the quoted capacity during the previous financial year, ...	A minimum annual turnover of INR 2,00,90,000/MW (Indian Rupees Two Crore Ninety Thousand/MW) of the quoted Contracted Capacity during the previous financial year, ...
52.	38.2.ii	... exceptional income for a minimum amount of INR _____ Lakhs/MW (Rs. _____/MW) of the quoted capacity, ...	... exceptional income for a minimum amount of INR 40,19,000/MW (Rs. Forty Lakhs and Nineteen Thousand/MW) of the quoted Contracted Capacity, ...
53.	38.2.iii	... Line of Credit for a minimum amount of INR _____ Lakhs/MW (Rs. _____/MW) of the quoted capacity, ...	... Line of Credit for a minimum amount of INR 50,24,000/MW (Rs. Fifty Lakhs and Twenty-four Thousand/MW) of the quoted Contracted Capacity, ...
54.	42.4.vi.	The initial auction period will be of 60 (sixty) minutes with a provision of auto extension by 8 (eight) minutes from the scheduled/ extended closing time. If no such change as described above is effected during the last 20 minutes of auction period or extended auction period, then the reverse auction process will automatically get closed.	The initial auction period will be of 30 (thirty) minutes with a provision of auto extension by 8 (eight) minutes from the scheduled/ extended closing time. If no such change as described above is effected during the last 8 minutes of auction period or extended auction period, then the reverse auction process will automatically get closed.
55.	42.4.vi. ii	Yellow zone: ...	Orange zone: ...
56.	43.1	... “Green” and “Yellow” zones ...	... “Green” and “Orange” zones ...

57.	43.4	Note: The allocation of cumulative project capacity shall be closed ...	Note: The allocation of cumulative capacity shall be closed ...
58.	45.4	“AVAILABILITY” shall mean as defined in the PPA.	Not Used.
59.	45.9	“BUYING ENTITY” shall mean an End Procurer as defined in the Guidelines, including a DISCOM that requires RE power to fulfil its non-solar RPO under respective RPO regulations.	“BUYING ENTITY” shall mean an End Procurer as defined in the Guidelines, including a DISCOM that requires RE power to fulfil its RPO under respective RPO regulations.
60.	45.21	“FINANCIAL CLOSURE” or “PROJECT FINANCING ARRANGEMENTS” means arrangement of necessary funds by the RPD towards 100% Project Cost either by way of commitment of funds by the Company from its internal resources and/or tie up of funds through a bank/ financial institution by way of sanction of a loan or letter agreeing to finance.	Not Used.
61.	45.29	<i>... Note: The shareholding of the Lead member in the Project Company (Special Purpose Vehicle) cannot be changed till 02 (two) years after the Commercial Operation Date (COD) of the Project.</i>	<i>... Note: The shareholding of the Lead member in the Project Company (Special Purpose Vehicle) cannot be changed till 01 (one) year after the Scheduled Commencement of Supply Date (SCSD) of the Project.</i>
62.	45.42	... comprising Solar Power Generating systems, Wind Power Generating systems, or a combination thereof, for supply of RE power, including ESS ...	... comprising Solar Power Generating systems, Wind Power Generating systems, other renewable energy generating source(s) or a combination thereof, for supply of RE power, including ESS ...
63.	45.43	Modified as follows: “PROJECT CAPACITY” or “INSTALLED CAPACITY” shall mean the rated capacity of the installed Project components, i.e. Solar PV, Wind Power and any other RE generating components, along with ESS Components of the Project, as committed in the PPA. This shall be equal to the “installed capacity” for which connectivity is sought by the RPD under the GNA Regulations. The quantum of Installed Capacity (in MW), including that of the revised Installed Capacity, if any, shall be greater than or equal to the Contracted Capacity.	
64.	45.47	Modified as follows: “RENEWABLE ENERGY (RE) POWER” shall refer to power from Solar Power Generating Systems, Wind Power Generating Systems, Wind Solar hybrid; or any other renewable energy resource based Generating System or a combination thereof, with Energy Storage System (ESS). It is clarified that ESS charged using a source other than RE power would not qualify as RE Power.	
65.	45.59	New Clause	“INTERESTED PARTIES” shall mean a situation where control is equally distributed

			among interested parties in the Group Company or Bidding Consortium;				
66.	45.60	New Clause	“InSTS” means Intra-State Transmission System.				
67.	45.61	New Clause	“ISTS” means Inter-State Transmission System.				
68.	Format -7.1	... We also confirm that we including our Ultimate Parent Company/ Parent Company/ Affiliate/ Group Companies directly or indirectly have not submitted response to RfS for more than cumulative capacity of 500 MW, including this response to RfS. ...	... We also confirm that we including our Ultimate Parent Company/ Parent Company/ Affiliate/ Group Companies directly or indirectly have not submitted response to RfS for more than cumulative capacity of 250 MW, including this response to RfS. ...				
69.	Format -7.1	Table modified as follows:					
		Project No.	Contracted Capacity offered (MW)	Installed Capacity to be committed under the PPA (Rated capacities of respective components)	Location(s) (Village, Tehsil, Dist., State)	Inter-connection Point(s) Details	Project Preference*
				Solar PV component: ____ MW			
				Wind power component: ____ MW			
				Other RE power generating component: ____ MW			
				ESS component: ____ MW/ ____ MWh			
		2.					
70.	Format -7.1 Clause 1	... Further, we confirm that we will commence power supply from full Project capacity within the deadline as per Clause 9 of the RfS. We further undertake that we shall demonstrate possession of 100% area of the identified land, within the timelines as per the RfS.	... Further, we confirm that we will commence power supply from full Project capacity within the deadline as per Clause 9 of the RfS.				

71.	Format -7.1 Clause 3A	New Clause	We hereby undertake that we shall give a rebate of Rs. 0.02/kWh to SECI in the payment of monthly bills to be made by SECI, as part of payment security mechanism charges under the PPA, to avail the benefits under the payment security mechanism as per PPA. (Strike out if not accepted by the Bidder)
72.	Format -7.1 Clause 5	Addendum to the Clause	We also unconditionally and irrevocably agree and accept that the decision made by SECI in respect of award of Projects according to our preference order as above and in line with the provisions of the RfS, shall be binding on us.
73.	Format -7.1 Clause 9A	New Clause	We hereby declare that during the selection process, in the event our bid happens to be the last bid in the list of successful bids and SECI offers a capacity which is greater than or equal to 50% of our quoted capacity due to overall bid capacity limit, we shall accept such offered capacity.
74.	Format -7.3A	... any Officer authorized by it in this behalf, any amount upto and not exceeding Rupees _____ [Insert amount not less than that derived on the basis of Rs. 44 Lakhs per MW of the capacity proposed], only, on behalf of M/s _____ [Insert name of the Bidder]. ...	... any Officer authorized by it in this behalf, any amount upto and not exceeding Rupees _____ [Insert amount not less than that derived as per Clause 17.1 of the RfS], only, on behalf of M/s _____ [Insert name of the Bidder]. ...
75.	Format -7.3 B Clause 3	... any amount upto and not exceeding Rupees _____ [Insert amount not less than that derived on the basis of Rs. 44 Lakhs per MW of the capacity proposed], only, ...	... any amount upto and not exceeding Rupees _____ [Insert amount not less than that derived as per Clause 17.1 of the RfS], only, ...
76.	Format -7.3 B Clause 4.(a)	IREDA/REC/PFC agrees to make payment of the above said amount unconditionally, without demur and without protest within a period of _____ days of receipt of request from SECI within the validity period of this letter as specified herein;	IREDA/REC/PFC agrees to make payment of the said amount unconditionally, without demur and without protest upon receipt of request from SECI within the validity period of this letter as specified herein;
77.	Format -7.3 D Clause 4.(a)	IREDA/REC/PFC agrees to make payment of the above said amount unconditionally, without demur and without protest within a period of _____ days of receipt of request from SECI	IREDA/REC/PFC agrees to make payment of the said amount unconditionally, without demur and without protest upon receipt of request from SECI within the validity period of this letter as specified herein;

		within the validity period of this letter as specified herein;	
78.	Format -7.5 Clause 5	... We acknowledge that after the execution of PPA, the combined shareholding in the SPV/Project Company shall not fall below 51% at any time prior to 2 (two) years from the COD, except with the prior approval of SECI.	... We acknowledge that after the execution of PPA, the combined shareholding in the SPV/Project Company shall not fall below 51% at any time prior to 1 (one) year after the SCSD, except with the prior approval of SECI.
79.	Format -7.5 Clause 6	The Lead Member, on behalf of the Consortium, shall inter alia undertake full responsibility for liaising with Lenders or through internal accruals and mobilizing debt resources for the Project, and ensuring that the Seller achieves Financial Closure in terms of the PPA.	The Lead Member, on behalf of the Consortium, shall inter alia undertake full responsibility for liaising with Lenders or through internal accruals and mobilizing debt resources for the Project, and ensuring that the Seller achieves commencement of power supply in terms of the PPA.
80.	Format -7.7	We, hereby provide this undertaking to Solar Energy Corporation of India Limited, in respect to our response to RfS vide _____ RfS No. _____ dated _____, that as on _____ (insert bid submission deadline), M/s _____ (insert name of the Bidder), & any of its Affiliate including any Consortium Member & any of its Affiliate, their directors have not have been barred or included in the blacklist by any government agency or authority in India, the government of the jurisdiction of the Bidder or Members where they are incorporated or the jurisdiction of their principal place of business, any international financial institution such as the World Bank Group, Asian Development Bank, African Development Bank, Inter-American Development Bank, Asian Infrastructure Investment Bank etc., or the United Nations or any of its agencies as on the last date of bid submission under this RfS.	We, hereby provide this undertaking to Solar Energy Corporation of India Limited, in respect to our response to RfS vide RfS No. _____ dated _____, that as on _____ (insert bid submission deadline), M/s _____ (insert name of the Bidder), or any of its Affiliates is not a willful defaulter to any lender. We further undertake that as on _____ (insert bid submission deadline), M/s _____ (insert name of the Bidder) & any of its Affiliate including any Consortium Member & any of its Affiliate, their directors have not have been barred or included in the blacklist by any government agency or authority in India, the government of the jurisdiction of the Bidder or Members where they are incorporated or the jurisdiction of their principal place of business, any international financial institution such as the World Bank Group, Asian Development Bank, African Development Bank, Inter-American Development Bank, Asian Infrastructure Investment Bank etc., or the United Nations or any of its agencies.
81.	Format -7.8	... We further declare that we have read the provisions of Clause 36.4 of the RfS, and are complying with the requirements as	... We further declare that we have read the provisions of Clause 36.4 of the RfS, and are complying with the requirements as per the

		per the referred OM dated 23.07.2020 except Sl. 11 of the OM, ...	referred OM dated 23.02.2023 except Sl. 17 of the OM, ...
82.	Format -7.8A	... We further declare that we have read the provisions of Clause 36.4 of the RfS, and are complying with the requirements as per the referred OM dated 23.07.2020 except Sl. 11 of the OM, ...	... We further declare that we have read the provisions of Clause 36.4 of the RfS, and are complying with the requirements as per the referred OM dated 23.02.2023 except Sl. 17 of the OM, ...
83.	Annexure to Format 7.8/7.8 A	MoF OM No 6/18/2019-PPD dated 23.07.2020	MoF OM No 7/10/2021-PPD (1) dated 23.02.2023
84.	Annexure to Format 7.8/7.8 A	This is with reference to attached order No. OM no. 6/18/2019-PPD dated 23 rd July 2020 issued by Department of Expenditure, MoF, Govt of India. ...	This is with reference to attached order vide OM No. F.7/10/2021-PPD(1) dated 23.02.2023 including subsequent amendments and clarifications thereto issued by Department of Expenditure, Ministry of Finance, Govt of India. ...
85.	Annexure to Format 7.8/7.8 A	<u>Encl:</u> OM dated 23.07.2020, as referred above.	<u>Encl:</u> OM dated 23.02.2023, as referred above.
86.	Format -7.9 S. No. 4.i)	Break up of Solar and Wind components	Break up of RE power generating components
87.	Format -7.9	Encl.: Hourly generation profile for a representative day for a single year, indicating tentative energy (MWh) and power (MW) to be supplied under the PPA, as required under Cl. 21.2	Deleted
88.	Format -7.10	Modified as follows: (The scanned version of the format, duly signed by SECI's authorized signatory, is available on the ETS portal as addendum to the RfS. Bidders are required to submit signed and scanned copy of the document available on ETS portal)	
89.	Format -7.12	<u>PRELIMINARY ESTIMATE OF COST OF RE PROJECT</u>	<u>PRELIMINARY ESTIMATE OF COST OF RE PROJECT</u> (Disclaimer: It is clarified that the data submitted as part of this Format is for SECI's records only, and will have no bearing on the RPD's claims against Change in Law or any other provisions of the PPA)

90.	Annexure-B	Modified Annexure is enclosed with this Amendment.																									
91.	Annexure-C	Modified Annexure is enclosed with this Amendment.																									
92.	Annexure-D	<u>TERMS & CONDITIONS OF REVERSE AUCTION</u> ... 9.a) Although extension time is ‘20’ minutes, there is a time lag between the actual placing the bid on the local computer of the bidder ...	<u>TERMS & CONDITIONS OF REVERSE AUCTION</u> ... 9.a) Although extension time is ‘8’ minutes, there is a time lag between the actual placing the bid on the local computer of the bidder ...																								
93.	Annexure-D	Table under ‘BUSINESS RULES OF REVERSE AUCTION’ stands modified as below:																									
		<table><tr><th>S.No.</th><th>Parameter</th><th>Value</th></tr><tr><td>1.</td><td>Date and Time of Reverse-Auction Bidding Event</td><td>To be intimated Later to Eligible Bidders</td></tr><tr><td>2.</td><td>Duration of Reverse-Auction Bidding Event</td><td>30 minutes</td></tr><tr><td>3.</td><td>Automatic extension of the ‘Reverse-Auction closing Time’, if last bid received is within a ‘Predefined Time-Duration’ before the ‘Reverse-Auction Closing Time’</td><td>Yes</td></tr><tr><td>3.1</td><td>Pre-defined Time-Duration</td><td>8 Minutes</td></tr><tr><td>3.2</td><td>Automatic extension Time-Duration</td><td>8 Minutes</td></tr><tr><td>3.3</td><td>Maximum number of Auto-Extension</td><td>Unlimited Extension</td></tr><tr><td>4.</td><td>Entity-Start-Price</td><td>Tariff quoted by the bidders in Financial Bid (Second Envelope)</td></tr></table>	S.No.	Parameter	Value	1.	Date and Time of Reverse-Auction Bidding Event	To be intimated Later to Eligible Bidders	2.	Duration of Reverse-Auction Bidding Event	30 minutes	3.	Automatic extension of the ‘Reverse-Auction closing Time’, if last bid received is within a ‘Predefined Time-Duration’ before the ‘Reverse-Auction Closing Time’	Yes	3.1	Pre-defined Time-Duration	8 Minutes	3.2	Automatic extension Time-Duration	8 Minutes	3.3	Maximum number of Auto-Extension	Unlimited Extension	4.	Entity-Start-Price	Tariff quoted by the bidders in Financial Bid (Second Envelope)	
S.No.	Parameter	Value																									
1.	Date and Time of Reverse-Auction Bidding Event	To be intimated Later to Eligible Bidders																									
2.	Duration of Reverse-Auction Bidding Event	30 minutes																									
3.	Automatic extension of the ‘Reverse-Auction closing Time’, if last bid received is within a ‘Predefined Time-Duration’ before the ‘Reverse-Auction Closing Time’	Yes																									
3.1	Pre-defined Time-Duration	8 Minutes																									
3.2	Automatic extension Time-Duration	8 Minutes																									
3.3	Maximum number of Auto-Extension	Unlimited Extension																									
4.	Entity-Start-Price	Tariff quoted by the bidders in Financial Bid (Second Envelope)																									

DEMAND PROFILE OF THE BUYING ENTITY

1. The profile for a representative day of a month as brought out in the table below is required to be met for all the days of the respective month.
2. The demand profile shall be followed by the individual RPD on pro-rata basis, i.e. for a Contracted Capacity of “A” MW, the respective demand for the time-block 00:00:00-00:15:00 of January shall be calculated as $[167/500 \times \text{“A”}]$ MW.

Time-block	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
00:00-00:15	167	184	229	500	500	500	500	500	500	193	167	167
00:15-00:30	167	184	229	500	500	500	500	500	500	193	167	167
00:30-00:45	167	184	229	500	500	500	500	500	500	193	167	167
00:45-01:00	167	184	229	500	500	500	500	500	500	193	167	167
01:00-01:15	167	171	224	500	500	500	500	500	500	264	167	167
01:15-01:30	167	171	224	500	500	500	500	500	500	264	167	167
01:30-01:45	167	171	224	500	500	500	500	500	500	264	167	167
01:45-02:00	167	171	224	500	500	500	500	500	500	264	167	167
02:00-02:15	167	182	236	500	500	500	500	500	500	342	167	167
02:15-02:30	167	182	236	500	500	500	500	500	500	342	167	167
02:30-02:45	167	182	236	500	500	500	500	500	500	342	167	167
02:45-03:00	167	182	236	500	500	500	500	500	500	342	167	167
03:00-03:15	167	190	237	500	500	500	500	500	500	275	167	167
03:15-03:30	167	190	237	500	500	500	500	500	500	275	167	167
03:30-03:45	167	190	237	500	500	500	500	500	500	275	167	167
03:45-04:00	167	190	237	500	500	500	500	500	500	275	167	167
04:00-04:15	167	236	265	500	500	500	500	500	500	227	167	167

04:15-04:30	167	236	265	500	500	500	500	500	500	227	167	167
04:30-04:45	167	236	265	500	500	500	500	500	500	227	167	167
04:45-05:00	167	236	265	500	500	500	500	500	500	227	167	167
05:00-05:15	186	263	167	500	500	500	500	500	500	284	167	167
05:15-05:30	186	263	167	500	500	500	500	500	500	284	167	167
05:30-05:45	186	263	167	500	500	500	500	500	500	284	167	167
05:45-06:00	186	263	167	500	500	500	500	500	500	284	167	167
06:00-06:15	336	382	177	379	500	500	500	500	500	232	167	309
06:15-06:30	336	382	177	379	500	500	500	500	500	232	167	309
06:30-06:45	336	382	177	379	500	500	500	500	500	232	167	309
06:45-07:00	336	382	177	379	500	500	500	500	500	232	167	309
07:00-07:15	426	416	167	204	406	500	500	500	500	167	167	385
07:15-07:30	426	416	167	204	406	500	500	500	500	167	167	385
07:30-07:45	426	416	167	204	406	500	500	500	500	167	167	385
07:45-08:00	426	416	167	204	406	500	500	500	500	167	167	385
08:00-08:15	442	365	167	167	273	500	500	500	449	167	167	322
08:15-08:30	442	365	167	167	273	500	500	500	449	167	167	322
08:30-08:45	442	365	167	167	273	500	500	500	449	167	167	322
08:45-09:00	442	365	167	167	273	500	500	500	449	167	167	322
09:00-09:15	330	246	167	167	216	469	500	500	321	167	167	229
09:15-09:30	330	246	167	167	216	469	500	500	321	167	167	229
09:30-09:45	330	246	167	167	216	469	500	500	321	167	167	229

09:45-10:00	330	246	167	167	216	469	500	500	321	167	167	229
10:00-10:15	193	167	167	167	210	304	500	500	167	167	167	167
10:15-10:30	193	167	167	167	210	304	500	500	167	167	167	167
10:30-10:45	193	167	167	167	210	304	500	500	167	167	167	167
10:45-11:00	193	167	167	167	210	304	500	500	167	167	167	167
11:00-11:15	187	167	167	167	223	281	500	500	167	167	167	167
11:15-11:30	187	167	167	167	223	281	500	500	167	167	167	167
11:30-11:45	187	167	167	167	223	281	500	500	167	167	167	167
11:45-12:00	187	167	167	167	223	281	500	500	167	167	167	167
12:00-12:15	167	167	167	167	247	305	500	500	167	167	167	167
12:15-12:30	167	167	167	167	247	305	500	500	167	167	167	167
12:30-12:45	167	167	167	167	247	305	500	500	167	167	167	167
12:45-13:00	167	167	167	167	247	305	500	500	167	167	167	167
13:00-13:15	167	167	167	167	303	315	500	500	167	167	167	167
13:15-13:30	167	167	167	167	303	315	500	500	167	167	167	167
13:30-13:45	167	167	167	167	303	315	500	500	167	167	167	167
13:45-14:00	167	167	167	167	303	315	500	500	167	167	167	167
14:00-14:15	269	301	307	254	421	375	500	500	167	167	167	235
14:15-14:30	269	301	307	254	421	375	500	500	167	167	167	235
14:30-14:45	269	301	307	254	421	375	500	500	167	167	167	235
14:45-15:00	269	301	307	254	421	375	500	500	167	167	167	235
15:00-15:15	429	438	465	442	448	408	500	500	167	187	179	363

15:15-15:30	429	438	465	442	448	408	500	500	167	187	179	363
15:30-15:45	429	438	465	442	448	408	500	500	167	187	179	363
15:45-16:00	429	438	465	442	448	408	500	500	167	187	179	363
16:00-16:15	484	477	496	500	461	424	500	500	168	236	281	371
16:15-16:30	484	477	496	500	461	424	500	500	168	236	281	371
16:30-16:45	484	477	496	500	461	424	500	500	168	236	281	371
16:45-17:00	484	477	496	500	461	424	500	500	168	236	281	371
17:00-17:15	500	500	500	500	490	500	500	500	312	267	395	500
17:15-17:30	500	500	500	500	490	500	500	500	312	267	395	500
17:30-17:45	500	500	500	500	490	500	500	500	312	267	395	500
17:45-18:00	500	500	500	500	490	500	500	500	312	267	395	500
18:00-18:15	500	500	500	500	500	500	500	500	338	324	420	500
18:15-18:30	500	500	500	500	500	500	500	500	338	324	420	500
18:30-18:45	500	500	500	500	500	500	500	500	338	324	420	500
18:45-19:00	500	500	500	500	500	500	500	500	338	324	420	500
19:00-19:15	479	404	497	500	500	500	500	500	406	293	250	350
19:15-19:30	479	404	497	500	500	500	500	500	406	293	250	350
19:30-19:45	479	404	497	500	500	500	500	500	406	293	250	350
19:45-20:00	479	404	497	500	500	500	500	500	406	293	250	350
20:00-20:15	359	305	402	500	500	500	500	500	472	234	167	227
20:15-20:30	359	305	402	500	500	500	500	500	472	234	167	227
20:30-20:45	359	305	402	500	500	500	500	500	472	234	167	227

20:45-21:00	359	305	402	500	500	500	500	500	472	234	167	227
21:00-21:15	266	252	332	500	500	500	500	500	500	206	167	167
21:15-21:30	266	252	332	500	500	500	500	500	500	206	167	167
21:30-21:45	266	252	332	500	500	500	500	500	500	206	167	167
21:45-22:00	266	252	332	500	500	500	500	500	500	206	167	167
22:00-22:15	186	231	282	500	500	500	500	500	500	167	167	167
22:15-22:30	186	231	282	500	500	500	500	500	500	167	167	167
22:30-22:45	186	231	282	500	500	500	500	500	500	167	167	167
22:45-23:00	186	231	282	500	500	500	500	500	500	167	167	167
23:00-23:15	167	201	253	500	500	500	500	500	500	167	167	167
23:15-23:30	167	201	253	500	500	500	500	500	500	167	167	167
23:30-23:45	167	201	253	500	500	500	500	500	500	167	167	167
23:45-24:00	167	201	253	500	500	500	500	500	500	167	167	167

**ILLUSTRATION FOR PENALTY APPLICABLE AGAINST SHORTFALL
IN DEMAND FULFILMENT RATIO (DFR)**

For any typical month				
	Specified Profile (A), MW	Power Scheduled by the RPD during a Particular Day (B), MW	DFR@90%, Power required to be Scheduled (C=0.9 x A), MW	Shortfall in Power Scheduled [D=max ((C-B, 0) x (1/4) MWh)
Time-block				
00:00:00	193	170	173	3
00:15:00	193	170	173	3
00:30:00	193	180	173	0
00:45:00	193	180	173	0
01:00:00	264	230	237	7
01:15:00	264	230	237	7
01:30:00	264	240	237	0
01:45:00	264	240	237	0
02:00:00	342	320	308	0
02:15:00	342	330	308	0
02:30:00	342	305	308	3
02:45:00	342	306	308	2
03:00:00	275	244	248	4
03:15:00	275	246	248	2
03:30:00	275	248	248	0
03:45:00	275	250	248	0
04:00:00	227	200	204	4
04:15:00	227	210	204	0
04:30:00	227	210	204	0
04:45:00	227	210	204	0
05:00:00	284	250	255	5
05:15:00	284	250	255	5
05:30:00	284	255	255	0
05:45:00	284	260	255	0
06:00:00	232	210	208	0
06:15:00	232	210	208	0
06:30:00	232	205	208	3
06:45:00	232	205	208	3
07:00:00	167	150	150	0
07:15:00	167	150	150	0
07:30:00	167	150	150	0
07:45:00	167	150	150	0
08:00:00	167	150	150	0
08:15:00	167	150	150	0
08:30:00	167	150	150	0
08:45:00	167	150	150	0
09:00:00	167	140	150	10

09:15:00	167	145	150	5
09:30:00	167	150	150	0
09:45:00	167	152	150	0
10:00:00	167	155	150	0
10:15:00	167	155	150	0
10:30:00	167	150	150	0
10:45:00	167	145	150	5
11:00:00	167	145	150	5
11:15:00	167	145	150	5
11:30:00	167	150	150	0
11:45:00	167	150	150	0
12:00:00	167	155	150	0
12:15:00	167	140	150	10
12:30:00	167	140	150	10
12:45:00	167	145	150	5
13:00:00	167	145	150	5
13:15:00	167	160	150	0
13:30:00	167	160	150	0
13:45:00	167	160	150	0
14:00:00	167	160	150	0
14:15:00	167	160	150	0
14:30:00	167	160	150	0
14:45:00	167	160	150	0
15:00:00	187	160	168	8
15:15:00	187	160	168	8
15:30:00	187	160	168	8
15:45:00	187	165	168	3
16:00:00	236	220	212	0
16:15:00	236	215	212	0
16:30:00	236	215	212	0
16:45:00	236	210	212	2
17:00:00	267	240	240	0
17:15:00	267	240	240	0
17:30:00	267	235	240	5
17:45:00	267	235	240	5
18:00:00	324	290	291	1
18:15:00	324	290	291	1
18:30:00	324	290	291	1
18:45:00	324	290	291	1
19:00:00	293	265	263	0
19:15:00	293	265	263	0
19:30:00	293	265	263	0
19:45:00	293	265	263	0
20:00:00	234	210	210	0
20:15:00	234	210	210	0
20:30:00	234	210	210	0
20:45:00	234	210	210	0
21:00:00	206	180	185	5
21:15:00	206	180	185	5
21:30:00	206	180	185	5

21:45:00	206	180	185	5
22:00:00	167	150	150	0
22:15:00	167	150	150	0
22:30:00	167	150	150	0
22:45:00	167	150	150	0
23:00:00	167	150	150	0
23:15:00	167	150	150	0
23:30:00	167	150	150	0
23:45:00	167	150	150	0
			Total	174

*Sum total of shortfall in Power Scheduled: $\sum D=174$ MWh,

**Considering same situation prevailing for the entire month, total shortfall in Energy= $174 \times 30=5220$ MWh.

***Assuming PPA Tariff of INR 4.5/kWh, Penalty for the above month = $(1.5 \times 4.5 \times 5220 \times 1000)/10000000=$ INR 3.5235 Cr.