

15 -ാം കേരള നിയമസഭ

14 -ാം സമ്മേളനം

നക്ഷത്ര ചിഹ്നം ഇല്ലാത്ത ചോദ്യം നം. 716

17-09-2025 - ൽ മറുപടിയ്ക്ക്

പി.എം. കസും പദ്ധതിയിലെ അഴിമതി ആരോപണം അന്വേഷിക്കാൻ നടപടി

ചോദ്യം		ഉത്തരം	
ശ്രീ പി. അബ്ദുൽ ഹമീദ്		ശ്രീ . കെ . കൃഷ്ണൻകുട്ടി (വൈദ്യുതി വകുപ്പ് മന്ത്രി)	
(എ)	പി.എം. കസും (പ്രധാനമന്ത്രി കിസാൻ ഊർജ്ജ സുരക്ഷ ഏവം ഉത്ഥാൻ മഹാഭിയാൻ) പദ്ധതിയിൽ വലിയ തോതിലുള്ള ക്രമക്കേടുകൾ നടന്നു എന്ന ആരോപണം സംബന്ധിച്ച് അന്വേഷണം നടത്തിയതിന്റെ റിപ്പോർട്ട് സർക്കാരിന് ലഭിച്ചിട്ടുണ്ടോ; വിശദാംശങ്ങൾ ലഭ്യമാക്കാമോ;	(എ)	പി.എം. കസും (പ്രധാനമന്ത്രി കിസാൻ ഊർജ്ജ സുരക്ഷ ഏവം ഉത്ഥാൻ മഹാഭിയാൻ) പദ്ധതിയിൽ വലിയ തോതിലുള്ള ക്രമക്കേടുകൾ നടന്നു എന്ന ആരോപണം സംബന്ധിച്ച് അന്വേഷണം ആരംഭിച്ചിട്ടില്ല.
(ബി)	കൃഷി ആവശ്യത്തിനുള്ള ജലസേചന പമ്പുകൾ സൗരോർജ്ജത്തിലേക്കു മാറ്റാനുള്ള കേന്ദ്രപദ്ധതിയായ പി.എം. കസുമിന്റെ ടെൻഡർ നടപടികൾ സംബന്ധിച്ച രേഖകളുടെ പകർപ്പ് ലഭ്യമാക്കാമോ;	(ബി)	പി. എം. കസും പദ്ധതിയുടെ ടെൻഡർ നടപടികൾ സംബന്ധിച്ച രേഖകളുടെ പകർപ്പുകൾ അനുബന്ധം (1) ഉം (2) ഉം ആയി ചേർക്കുന്നു.
(സി)	പി.എം. കസും(പ്രധാനമന്ത്രി കിസാൻ ഊർജ്ജ സുരക്ഷ ഏവം ഉത്ഥാൻ മഹാഭിയാൻ) പദ്ധതിയിലെ അഴിമതി സംബന്ധിച്ച് എത്ര പരാതികൾ ലഭിച്ചിട്ടുണ്ട്; ഈ പരാതികളിന്മേൽ വിജിലൻസ് അന്വേഷണത്തിന് നടപടികൾ സ്വീകരിക്കുമോ; വിശദമാക്കാമോ?	(സി)	പി.എം. കസും (പ്രധാനമന്ത്രി കിസാൻ ഊർജ്ജ സുരക്ഷ ഏവം ഉത്ഥാൻ മഹാഭിയാൻ) പദ്ധതിയിലെ അഴിമതി സംബന്ധിച്ച് രേഖാമൂലമുള്ള ഒരു പരാതിയും ലഭിച്ചിട്ടില്ല. പദ്ധതി പ്രവർത്തനങ്ങൾ സംബന്ധിച്ച മാധ്യമവാർത്തകളിൽ വന്ന ആരോപണങ്ങളുടെ അടിസ്ഥാനത്തിലാണ് ആയത് സംബന്ധിച്ച് അന്വേഷണം നടത്തി റിപ്പോർട്ട് സമർപ്പിക്കുവാൻ ഊർജ്ജ വകുപ്പ് അഡീഷണൽ ചീഫ് സെക്രട്ടറിയ്ക്ക് നിർദ്ദേശംനൽകിയത്.

സെക്ഷൻ ഓഫീസർ

Note # 1

Pls verify and take necessary steps to publish the tender.

08/08/2022 03:53 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 2

Verified the document.

08/08/2022 05:42 PM

**VINAY P
PE1(RTS) ANERT**

Note # 3

Draft tender document put up for approval;

08/08/2022 05:46 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 4

May be approved

10/08/2022 05:54 PM

**ANEESH S PRASAD
CTM ANERT**

Note # 5

11/08/2022 11:24 AM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 6

11/08/2022 11:27 AM

**CENTRAL REGISTRY UNIT
CRU ANERT**

Note # 7

- i. Based on the clarification sought by prospective bidders and subsequent bidders meeting held on 17/09/2022, a draft addendum/corrigendum is prepared.
- ii. As decided, ICRA grading is made mandatory for all bidders participating in the tender. If required, we can have a meeting with M/s ICRA to fine tune the evaluation criteria, as the current one is for

individual agencies rather than Joint Ventures. In case of JV, the OEM will be obviously having a higher financial capacity, whereas their financial commitment will be low compared to the EPC.

iii. Draft addendum / corrigendum is attached herewith.

20/09/2022 04:32 PM

**VINAY P
PE1(RTS) ANERT**

Note # 8

The tender queries received from bidders through mail is [attached](#) herewith.

The bid opening date had been extended to 11-OCT-22. The document regarding the same is [attached](#) .

Forwarding for draft approval with perusal.

22/09/2022 05:51 PM

**ARUN RAJAN R V
PI2 ANERT**

Note # 9

The draft corrigendum may be approved.

23/09/2022 06:11 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 10

May be approved

23/09/2022 10:44 PM

**ANEESH S PRASAD
CTM ANERT**

Note # 11

Approved

27/09/2022 10:43 AM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 12

27/09/2022 11:01 AM

**CENTRAL REGISTRY UNIT
CRU ANERT**

Note # 13

27/09/2022 01:30 PM

**VINAY P
PE1(RTS) ANERT**

Note # 14

10/10/2022 04:46 PM

**ARUN RAJAN R V
PI2 ANERT**

Note # 15

- i. An online discussion with M/s ICRA on the grading pattern was conducted on 30/09/2022. They had pointed out that the grading pattern already finalised was for the Vendor Registration process of Solar EPC / System Integrator etc. Accordingly, it will take time if they are to prepare a grading pattern and evaluate the joint venture for the KUSUM tender.
- ii. The primary objective of enforcing grading was to identify the techno-financial capability of the work awarded agency. In the JV, the financial commitment of the Manufacturer in terms of project execution will be limited. Since, we need to finalize the KUSUM tender at the earliest, it is suggested that instead of going for grading the Joint venture, the grading for EPC / SI with the grading pattern accepted for Vendor Registration may be done. This will enable us to ascertain the financial strength of the EPC during work awarding stage.

For orders;

11/10/2022 01:08 PM

**VINAY P
PE1(RTS) ANERT**

Note # 16

The matter was already discussed. Grading for EPC/System Integrators may be done.

11/10/2022 06:27 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 17

it will make sense and may be approved

12/10/2022 07:20 AM

**ANEESH S PRASAD
CTM ANERT**

Note # 18

Approved

12/10/2022 03:36 PM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 19

12/10/2022 03:38 PM

**CENTRAL REGISTRY UNIT
CRU ANERT**

Note # 20

- i. A few Corrigendum / Addendum were published in the tender based on the queries received and subsequent discussions with CTM / ACTM; The same are attached. The last date for submission of bids is 14/11/2022 and we are expecting a fair number of participation in the tender.
- ii. Accordingly, it is suggested to formulate a committee to evaluate the bids once the tender is opened.

For orders;

07/11/2022 02:45 PM

**VINAY P
PE1(RTS) ANERT**

Note # 21

An evaluation committee may be constituted with the following members.

1. Sri.Aneesh S Prasad CTM
2. Sri.Premkumar K SF
3. Sri.Rajesh R Addl.CTM
4. Jayakumar R Joint CTM

07/11/2022 03:39 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 22

I may be substituted with some other senior officer

07/11/2022 04:10 PM

**ANEESH S PRASAD
CTM ANERT**

Note # 23

Instead of CTM, Smt. Kala KG Addl.CTM may be included in the evaluation committee.

1. Sri.Premkumar K SF
2. Sri.Rajesh R Addl.CTM
3. Smt. Kala KG Addl.CTM
4. Jayakumar R Joint CTM

07/11/2022 05:07 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 24

May be approved

08/11/2022 10:11 AM

**ANEESH S PRASAD
CTM ANERT**

Note # 25

Approved

08/11/2022 05:43 PM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 26

08/11/2022 06:06 PM

**CENTRAL REGISTRY UNIT
CRU ANERT**

Note # 27

Pls see #23 & 25.

08/11/2022 10:24 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 28

Noted and file returned to Projects, as informed by Sri Jayakumar.

15/11/2022 01:56 PM

**PREMKUMAR K
TH(T7) ANERT**

Note # 29

15/11/2022 04:40 PM

**VINAY P
PE1(RTS) ANERT**

Note # 30

forwarding for further process.

29/11/2022 02:47 PM

**ARUN RAJAN R V
PI2 ANERT**

Note # 31

29/11/2022 04:17 PM

**VINAY P
PE1(RTS) ANERT**

Note # 32

The tender was opened 15/11/2022. Bidders quoted were 13 nos.
The bid list details is attached here for reference. ([pg no 165](#))

The committee evaluated the bid documents as the part of technical evaluation and sought clarifications to all the 13 bidders. The clarification queries attached herewith. (pg no. [149](#) - [161](#))

After submitting the clarifications, the committed evaluated them and finalized the decisions and report was submitted to the CEO, ANERT. ([pg no. 167](#))

CEO approved the report ([pg no 162](#)) and the financial bid was opened.

The price bid is attached here for reference ([pg no. 171](#))

It is suggested to convene a meeting with technically qualified bidders regarding the discussion on the implementation strategy.

The meeting may be conducted on 05-12-2022, Monday- 11.00AM at Chamber of CEO, ANERT.

In this regard draft letter (No.19068) as intimation to bidders is attached and put up for approval.

29/11/2022 06:28 PM

**ARUN RAJAN R V
PI2 ANERT**

Note # 33

The draft letter may be approved

30/11/2022 10:02 AM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 34

discuss

30/11/2022 11:09 AM

**ANEESH S PRASAD
CTM ANERT**

Note # 35

30/11/2022 03:34 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 36

As directed by CEO, in person meeting is changed to online mode on 06-12-2022, Tuesday with participants as follows

- i. Aditi Solar Pvt Ltd.
- ii. Rajasthan Electrocnics Instruments Ltd.
- iii. Sirius Solar energy solutions pvt ltd.
- iv. Suntastic Engineering pvt Ltd.
- v. Surya International pvt Ltd.
- vi. Tata Power solar systems Ltd.

Forwarding for approval on the same.

03/12/2022 05:15 PM

**ARUN RAJAN R V
PI2 ANERT**

Note # 37

May be approved

03/12/2022 05:28 PM

**ANEESH S PRASAD
CTM ANERT**

Note # 38

As Aditi solar has sent a mail not to consider them others can be

sent communication

03/12/2022 05:34 PM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 39

03/12/2022 05:35 PM

**CENTRAL REGISTRY UNIT
CRU ANERT**

Note # 40

For N/A

05/12/2022 09:50 AM

**ANEESH S PRASAD
CTM ANERT**

Note # 41

07/12/2022 10:48 AM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 42

An online meeting was held on 06/12/2022,10.00AM with the technically qualified bidders with CEO ANERT.

Minutes of the meeting is attached herewith.

As per the meeting, CEO decided to have a re-tender for the project- PM KUSUM Component C solarisation for 9,348 pumps.

Since Mr. Jayakumar- JCTM ANERT is on leave and as per his instruction, the file is forwarding to CTM for approval.

07/12/2022 11:02 AM

**ARUN RAJAN R V
PI2 ANERT**

Note # 43

it is already approved as per minutes of the meeting . May be approved

07/12/2022 11:46 AM

**ANEESH S PRASAD
CTM ANERT**

Note # 44

Approved

07/12/2022 11:53 AM

NARENDRA NATH VELURI I F S
CEO ANERT

Note # 45

08/12/2022 01:16 PM

CENTRAL REGISTRY UNIT
CRU ANERT

Note # 46

16/12/2022 11:12 AM

VINAY P
PE1(RTS) ANERT

Note # 47

As per the decision from CEO, re-tender has been floated for the solarisation of 9,348 pumps under PM KUSUM Component C.

The tender document is attached for reference.

Some points needed to be clarified on the tender mentioned above. Hence it may be released as Corrigendum and is attached as Draft (No.19296).

Forwarding for approval with perusal.

16/12/2022 01:31 PM

ARUN RAJAN R V
PI2 ANERT

Note # 48

The draft corrigendum may be approved.

16/12/2022 02:01 PM

JAYAKUMAR R
TH(T4) ANERT

Note # 49

16/12/2022 03:23 PM

ANEESH S PRASAD
CTM ANERT

Note # 50

16/12/2022 03:33 PM

**ARUN RAJAN R V
PI2 ANERT**

Note # 51

Modified corrigendum put up for approval.

16/12/2022 03:39 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 52

May be approved

16/12/2022 03:50 PM

**ANEESH S PRASAD
CTM ANERT**

Note # 53

Approved

16/12/2022 03:53 PM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 54

16/12/2022 04:19 PM

**CENTRAL REGISTRY UNIT
CRU ANERT**

Note # 55

16/12/2022 04:27 PM

**VINAY P
PE1(RTS) ANERT**

Note # 56

Tender was opened on 21/12/2022. 8 firms submitted the bids.

1. TATA Power Solar Systems Pvt Ltd.
2. Inkel Ltd.
3. Kondaas Automation Pvt Ltd.
4. Suryam International Pvt Ltd.

5. Suntastic Engineering Pvt Ltd.
6. Moopens Energy Solutions Pvt Ltd.
7. KC Kopar Energy Solutions Pvt. Ltd.
8. Mechatronik Technologies Pvt Ltd.

By evaluating the bid some clarifications were sought via e-mail regarding the documents submitted .

The bidders have responded to the same.

By evaluating the mails and submitted documents final findings were concluded.

As per that following firms satisfactorily met the tender conditions.

Sl no	Bidder	ICRA Rating
1	TATA Power Solar Systems Pvt Ltd.	1B
2	Inkel Ltd	1C
3	Kondaas Automation Pvt Ltd.	2B
4	Suryam International Pvt Ltd.	2B
5	Suntastic Engineering Pvt Ltd.	2C

Clarification sought were provided by others are not satisfactorily.

The signed evaluation report is attached for reference

So the above mentioned 5 firms qualified in technical evaluation. As per tender Firms with ICRA rating- 1A/1B/1C/2A/2B shall be considered for L1 price finalization. Hence among the five firms expect M/s. Suntastic Engineering Pvt Ltd are eligible for price bid opening. Since they may be recommended for opening the financial bid.

Forwarding for approval.

28/12/2022 07:18 PM

**ARUN RAJAN R V
PI2 ANERT**

Note # 57

The above recommendations may be approved.

28/12/2022 11:26 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 58

1. No.6 m/s Moopens Engineering is not considered since the power attorney

in Stamp paper Rs.200/- is not submitted on Behalf of JV. JV of Moopens Energy is Pennar Industries, A public limited company.

2. In the case of No.7. KC Kopar Energy Solutions Ltd is the lead member and Swelect Energy Systems is JV partner and it is listed company. In this case it is not considered since a declaration on stamp paper worth Rs.200/- is not provided for non black listing.

To meet the requirement by MNRE - Manufacturer of components or consortium with them - is required to become a implementer of the project. To meet this requirement only all other than manufacturer is signing agreement with some of the manufactures.

In these cases both JV's are listed companies and their status is available in ROC portal. following suggestions may be considered

a. In the case of Moopens Engineering we may collect an additional declaration that they are the lead partner and all transactions will done by them and they are only responsible for any lapse happens during implementation of the programme. And if required we can ask them to provide the Power Attorney before release work order.

b. In the case of KC Kopar Energy Solutions Ltd, Lead partner had already given declaration . Status of Swelect Energy Systems Ltd can be obtained from ROC portal. As far as Kerala Concerned there is no blacklisting exists against this firm.

It may be decided whether we may to consider these two companies for the programme . Approval for Price opening may be given.

29/12/2022 12:54 PM

**ANEESH S PRASAD
CTM ANERT**

Note # 59

Agreed with Note 58 and the two companies shall be included and price bid be opened

29/12/2022 02:23 PM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 60

29/12/2022 03:56 PM

**CENTRAL REGISTRY UNIT
CRU ANERT**

Note # 61

Note # 62

- i. The financial bid of the vendors as directed above were opened and the rates obtained incl GST are as below:
- ii.

KUSUM Tender Summary**Ground Mounted**

Capacity	INKEL LIMIT ED	KC COPAR ENERGY SOLUTIONS (P) LTD	SUNTA STIC ENGINEERING PRIVATE LIMITED	Surya m International private Limited	Kondaa s Automation Private Limited	Tata Power Solar	Moopen s Energy Solutions Pvt Lt
2 kW SPV Power plant	2,61,740	2,75,453	2,48,084	2,57,188	2,35,270	2,48,190	2,53,319
3 kW SPV Power plant	3,47,090	3,39,489	3,00,773	3,17,502	2,85,456	2,98,195	3,06,168
5 kW SPV Power plant	5,30,986	5,11,505	4,61,459	4,83,650	4,44,207	4,61,894	4,72,156
7 kW SPV Power plant	6,65,880	6,09,060	<u>5,32,925</u>	6,21,348	5,64,289	5,93,004	6,10,594
10 kW SPV Power plant	8,99,671	8,74,534	7,67,353	8,30,740	7,34,078	7,68,873	7,91,820
Cost per kW in the range of 30 kW - 99 kW or part thereof	79,080	76,483	72,832	71,694	71,343	78,727	83,962
Cost per kW in the range of 100 kW - 150 kW or part thereof	78,820	71,383	71,694	72,832	70,266	78,272	83,359

Rooftop

Capacity	INKEL LIMIT ED	KC COPAR ENERGY SOLUTIONS	SUNTA STIC ENGINEERING PRIVATE	Surya m International private	Kondaa s Automation Private	Tata Power Solar	Moopen s Energy Solution
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		TIONS (P) LTD	TE LIMIT ED	Limite d	Limited		s Pvt Lt
2 kW SPV Power plant			2,31,69 7		2,57,07 4	2,29,98 2	2,35,748
3 kW SPV Power plant			2,80,63 1		3,07,53 3	2,79,41 3	2,85,018
5 kW SPV Power plant			4,38,69 9		4,70,70 0	4,31,93 0	4,43,194
7 kW SPV Power plant			5,58,41 7		6,09,50 1	5,47,13 7	5,64,710
10 kW SPV Power plant	No Separat e Quote	No Separat e Quote	7,21,49 2	No Separat e Quote	7,91,63 8	7,13,45 7	7,31,165
Cost per kW in the range of 30 kW - 99 kW or part therof			69,418		74,933	No separate Quote	83,506
Cost per kW in the range of 100 kW - 150 kW or part therof			68,280		73,608		83,188

- iii. As per tender condition, only financial bids of agencies having Solar grading above 2B will be considered for L1 finalization. Accordingly, the bids of M/s KC Kopar and M/s Suntastic Engineering cannot be considered for L1 finalisation. M/s Suntastic has become the L1 bidder for 7 kW (Ground Mounted) and 30 - 150 kW in Rooftop category. Hence, the rate of L2 bidder in these category, bid of M/s Kondaas Automation need to be considered as the L1 rate.

For information and further orders

04/01/2023 11:25 AM

**VINAY P
PE1(RTS) ANERT**

Note # 63

05/01/2023 12:21 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 64

Note # 65

- i. In the meeting held with the selected bidders, M/s Kondaas Automation has pointed that their quote for Rooftop and Ground mounted system was wrongly considered. Accordingly, the rates were interchanged and the L1 bidder for ground mounted as well as Rooftop up to 10 kW are M/s Tata Power Solar. The rates are as below:
- ii.

KUSUM Tender Summary**Ground Mounted**

Sl. No	Capacity	INKEL LIMITED	KC COPAR ENERGY SOLUTIONS (P) LTD	SUNTA STIC ENGINEERING PRIVATE LIMITED	Suryam International Private Limited	Kondaas Automation Private Limited	Tata Power Solar	Moopeens Energy Solutions Pvt Lt
1	2 kW SPV Power plant	2,61,740	2,75,453	<u>2,48,084</u>	2,57,188	2,57,074	2,48,190	2,53,319
2	3 kW SPV Power plant	3,47,090	3,39,489	3,00,773	3,17,502	3,07,533	2,98,195	3,06,168
3	5 kW SPV Power plant	5,30,986	5,11,505	<u>4,61,459</u>	4,83,650	4,70,700	4,61,894	4,72,156
4	7 kW SPV Power plant	6,65,880	6,09,060	<u>5,32,925</u>	6,21,348	6,09,501	5,93,004	6,10,594
5	10 kW SPV Power plant	8,99,671	8,74,534	<u>7,67,353</u>	8,30,740	7,91,638	7,68,873	7,91,820
6	Cost per kW for 30 kW - 99 kW or part thereof	79,080	76,483	72,832	71,694	74,933	78,727	83,962
7	Cost per kW for 100 kW - 150 kW or part thereof	78,820	71,383	<u>71,694</u>	72,832	73,608	78,272	83,359

Rooftop

Sl. No	Capacity	INKEL LIMITED	KC COPAR ENERGY SOLUTIONS (P) LTD	SUNTA STIC ENGINEERING PRIVATE LIMITED	Suryam International private Limited	Konda as Automation Private Limited	Tata Power Solar	Moope ns Energy Solutions Pvt Lt
1	2 kW SPV Power plant	No Separate Quote	No Separate Quote	2,31,697	No Separate Quote	2,35,270	2,29,982	2,35,748
2	3 kW SPV Power plant			2,80,631		2,85,456	2,79,413	2,85,018
3	5 kW SPV Power plant			4,38,699		4,44,207	4,31,930	4,43,194
4	7 kW SPV Power plant			5,58,417		5,64,289	5,47,137	5,64,710
5	10 kW SPV Power plant			7,21,492		7,34,078	7,13,457	7,31,165
6	Cost per kW for 30 kW - 99 kW or part thereof			<u>69,418</u>		71,343	No separate Quote	83,506
7	Cost per kW for 100 kW - 150 kW or part thereof			<u>68,280</u>		70,266		83,188

05/01/2023 04:21 PM

VINAY P
PE1(RTS) ANERT

Note # 66

May be approved.

05/01/2023 04:31 PM

JAYAKUMAR R

TH(T4) ANERT

Note # 67

May be approved

05/01/2023 04:44 PM

**ANEESH S PRASAD
CTM ANERT**

Note # 68

Approved

05/01/2023 05:07 PM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 69

05/01/2023 05:11 PM

**CENTRAL REGISTRY UNIT
CRU ANERT**

Note # 70

05/01/2023 06:17 PM

**VINAY P
PE1(RTS) ANERT**

Note # 71

12/01/2023 11:26 AM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 72

14/02/2023 11:10 AM

**ARUN RAJAN R V
PI2 ANERT**

Note # 73

16/02/2023 01:44 PM

JAYAKUMAR R
TH(T4) ANERT

Note # 74

The rates and agencies for the solarization of grid connected agricultural pumps have been finalized

The rates are as under :-

Rate for lower capacity power plants		
	Ground Mounted (Inclusive of GST in Rs)	Rooftop (Inclusive of GST in Rs)
Cost for the SIC of 2 kW SPV power plant	2,48,190	2,29,982
Cost for the SIC of 3 kW SPV power plant	2,98,195	2,79,413
Cost for the SIC of 5 kW SPV power plant	4,61,894	4,31,930
Cost for the SIC of 7 kW SPV power plant	5,93,004	5,47,137
Cost for the SIC of 10 kW SPV power plant	7,68,873	7,13,457
Per kW Rate for higher capacity power plants		
Cost per kW for the SIC of SPV power plants in the range of 30 kW - 99 kW	71,694	71,343
Cost per kW for the SIC of SPV power plants in the range of 100 kW - 150 kW	72,832	70,266

The companies are as under

Sl No	Company Name
1	M/s. Tata Power Solar Systems LIMITED
2	M/s. Moopens Energy Solutions Pvt Ltd
3	M/s. INKEL Limited
4	M/s. Kondaas Automation Private Limited
5	M/s. Suryam International Private Ltd
6	M/s. Suntastic Engineering Pvt. Limited
7	M/s. KC KOPAR ENERGY SOLUTIONS PRIVATE LIMITED

Hence a draft order (DFA/20249) in this regard is prepared and forwarding for perusal and approval.

17/02/2023 11:23 AM

MANJU SAROJINI
DPE(SP) ANERT

Note # 75

Kind attn: Sri. Vinay P

- As per Note #65, the quoted rates for roof-top and ground-mounted systems were interchanged. Pls attach relevant documents.

2. Pls verify the draft rate contract order.

17/02/2023 02:37 PM

JAYAKUMAR R
TH(T4) ANERT

Note # 76

1. The relevant documents are already attached as part of the financial bid, ([Bids in Letter head submitted by bidders](#)). The confusion was due to the fact that M/s Kondaas Automation had quoted the rates for Rooftop in the BoQ excel file, whereas it was mentioned to include the rates for ground mounted in the excel file. The same was later rectified based on the rates provided by them in the letter head.
2. The RC order is verified. The order doesn't specify the additional rate for site specific requirements such as cabling, the rates for which were collected along with the tender. It will be better to finalize this rate and include in the RC order, which will be helpful for issue of work order afterwards;

17/02/2023 07:11 PM

VINAY P
PE1(RTS) ANERT

Note # 77

Pls include the additional rates

20/02/2023 10:53 AM

JAYAKUMAR R
TH(T4) ANERT

Note # 78

As per the direction the additional rates for cable and structure is also added in RC order.

The rates for cable group 2 category is arrived from DSR 2018 with Cost index 41.53%(which is the maximum cost index).

There is a wide range of difference in the the rate quoted by companies for additional structure work. Hence for additional structure cost considered the average of the best rated companies.

File put up for further action

21/02/2023 02:27 PM

MANJU SAROJINI
DPE(SP) ANERT

Note # 79

21/02/2023 04:34 PM

JAYAKUMAR R
TH(T4) ANERT

Note # 80

[Cable rate taken from price software market rate \(Page No 319 -code no MR 813 and MR 816 \)](#), [cable laying rate taken from DSR 2018](#) with Cost index 41.53%(which is the maximum cost index) (Page No 330 Item No. 7.1.2 and 7.1.3). The rate for additional structure arrived from the average of the best rated companies ([suryam Intenational](#) and [Moopans](#)).

21/02/2023 05:10 PM**MANJU SAROJINI
DPE(SP) ANERT**

Note # 81

The draft rate contract order may be approved

21/02/2023 05:38 PM**JAYAKUMAR R
TH(T4) ANERT**

Note # 82

Pls verify the proceeding prepared with respect to the tender conditions and offer your remarks .

22/02/2023 10:16 AM**ANEESH S PRASAD
CTM ANERT**

Note # 83

Draft proceedings may be approved.

22/02/2023 11:17 AM**KALA K.G.
TH(T2) ANERT**

Note # 84

May be approved

22/02/2023 04:16 PM**ANEESH S PRASAD
CTM ANERT**

Note # 85

Approved

23/02/2023 10:40 AM**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 86**23/02/2023 12:38 PM****CENTRAL REGISTRY UNIT
CRU ANERT**

Note # 87

23/02/2023 01:05 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 88

As per discussion with CEO, CTM and JCTM the rate contract is revised and the draft is put up

Kiran Krishnan G

23/02/2023 05:31 PM

**KIRAN KRISHNAN G
PE1(T4) ANERT**

Note # 89

The modified draft proceedings put up for approval.

27/02/2023 11:04 AM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 90

M/s Inkel Ltd has matched with the L1 Rate for the tender . The rate contract is revised and draft is put up

27/02/2023 04:57 PM

**KIRAN KRISHNAN G
PE1(T4) ANERT**

Note # 91

Draft rate contract order(DFA/20388) is put up for approval

27/02/2023 05:31 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 92

May be approved

28/02/2023 10:42 AM

**ANEESH S PRASAD
CTM ANERT**

Note # 93

Approved

28/02/2023 06:44 PM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 94

01/03/2023 11:30 AM

**CENTRAL REGISTRY UNIT
CRU ANERT**

Note # 95

01/03/2023 11:37 AM

**MANJU SAROJINI
DPE(SP) ANERT**

Note # 96

04/03/2023 01:09 PM

**KIRAN KRISHNAN G
PE1(T4) ANERT**

Note # 97

06/03/2023 11:28 AM

**CENTRAL REGISTRY UNIT
CRU ANERT**

Note # 98

25/05/2023 11:22 AM

**KIRAN KRISHNAN G
PE1(T4) ANERT**

Note # 99

06/06/2023 04:39 PM

**MANJU SAROJINI
DPE(SP) ANERT**

Note # 100

06/06/2023 04:59 PM

**KIRAN KRISHNAN G
PE1(T4) ANERT**

Note # 101

The Suryam International Private Limited and TATA Power solar have furnished an amount of Rs.5,00,000/- & Rs.5,00,000/- as EMD vide Bank Transfer to ANERT account No. 57009348504. Now the agency has requested to release the EMD. So it is needed an amount of **Rs.10,00,000/- (Rupees Ten Lakh Only)** to Suryam International Private Limited(Rs.5,00,000/-) and TATA Power Solar(Rs.5,00,000/-)
Pls verify and forward for further action

23/06/2023 04:07 PM

**LIJITHA V P
AACCO-1 ANERT**

Note # 102

M/s TATA Power Solar and M/s Suryam International have requested for release of EMD submitted by them along with the tender. If the agency have submitted PBG against the RC order, the EMD can be released. Draft proceedings in this regard is attached.

23/06/2023 04:52 PM

**VINAY P
PE1(RTS) ANERT**

Note # 103

23/06/2023 05:11 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 104

23/06/2023 05:20 PM

**MANJU SAROJINI
DPE(SP) ANERT**

Note # 105

Correction to Note 101, EMD credited to Bank account number 67250668543. So it is needed to debit amount from 67250668543.

24/06/2023 11:39 AM

**LIJITHA V P
AACCO-1 ANERT**

Note # 106

PBG from [M/s. Suryam International](#) and M/s. [TATA](#) is submitted. The original is with Thapal. The EMD may be released.

24/06/2023 01:02 PM

**MANJU SAROJINI
DPE(SP) ANERT**

Note # 107

1. Draft proceedings may be approved
2. The financial instruments (PBGs of TATA and Suryam) may be kept with the Finance Section.

24/06/2023 02:02 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 108

24/06/2023 02:07 PM

**MUHAMMED HARIS M
CFO ANERT**

Note # 109

Verified, may be approved.

27/06/2023 04:45 PM

**BANDEESH P
AO ANERT**

Note # 110

30/06/2023 12:13 PM

**MUHAMMED HARIS M
CFO ANERT**

Note # 111

Approved

30/06/2023 03:07 PM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 112

14/07/2023 03:38 PM

**CENTRAL REGISTRY UNIT
CRU ANERT**

Note # 113

07/08/2023 02:29 PM

**MANJU SAROJINI
DPE(SP) ANERT**

Note # 114

As per the [point 7](#) of minutes of meeting with EPC on 5-8-2023 it was decided to include other EPC companies having eligibility to be part of the existing rate contract for the project ,so as to increase the number of companies for implementing the project .

07/08/2023 02:40 PM**KIRAN KRISHNAN G
PE1(T4) ANERT**

Note # 115

In line with the decision made during the meeting on the 5th of this month, we need to take appropriate actions to onboard a greater number of vendors. Please find attached the minutes of the meeting for reference.

07/08/2023 03:51 PM**JAYAKUMAR R
TH(T4) ANERT**

Note # 116

An EoI can be called for inclusion of bidders who are ready to match the rates and undertake the works as per the terms and conditions in the earlier Rate Contract. Further, we may reconsider the Pre-Qualification criteria set forth for the earlier tender like a minimum of 3 MW capacity must have completed, Allowing Joint Ventures to participate taking into account their technical and financial aspects etc. Only then, we will be able to list maximum number of bidders, that could help in completing the scheme in a timely manner.

For orders;

08/08/2023 07:29 PM**VINAY P
PE1(RTS) ANERT**

Note # 117

May be allowed

09/08/2023 09:57 AM**ANEESH S PRASAD
CTM ANERT**

Note # 118

Allowed.

10/08/2023 02:25 PM**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 119**11/08/2023 10:24 AM****CENTRAL REGISTRY UNIT**

Note # 120**11/08/2023 12:31 PM****VINAY P
PE1(RTS) ANERT****Note # 121****11/08/2023 02:50 PM****JAYAKUMAR R
TH(T4) ANERT****Note # 122**

As per the direction from CEO ANERT to incorporate more EPC'S to the work implementation of PM KUSUM Component C the following changes can be made in the tender document. The companies having the prescribed eligibilities and willing to adhere to the terms and conditions in the tender document and the existing rates in the Rate Contract Order No. 46/2023/ANERT dtd. 28/02/2023 may be considered to prepare a new list of EPC companies for the PM KUSUM Component C.

Sl no	Existing clause	To be changed	
1	Clause No 10.2 Table 10.2 Sl No. 1.5, The bidder must have completed solar installations of at least 3 MW in India. In case of JV, all the members jointly must fulfill this requirement and submit the documents as per the Tender document.	Clause No 10.2 Table 10.2 The bidder must have completed solar installations of at least 3 MW in India to be eligible for projects above 10 KW. In case of JV, all the members jointly must fulfil this requirement and submit the documents as per the Tender document. The bidder must have completed solar installations of at least 1 MW in India to be eligible for projects up to 10 KW In case of JV, all the members jointly must fulfil this requirement and submit the documents as per the Tender document.	By
	Clause No	Clause No	

2	10.1.3 As per the guidelines of PM-KUSUM, only manufactures of PV MODULES or a joint venture of an EPC with a manufacturer of solar module are eligible to undertake works under the scheme. But in case of JV the manufactures shall not participate in multiple bids.	10.1.3 As per the guidelines of PM-KUSUM, only manufactures of PV MODULES or a joint venture of an EPC with a manufacturer of solar module are eligible to undertake works under the scheme.
3	Clause No 44 LEVEL IV(ALLOCATION OF WORK)	Grading scale of 1A,1B,1C,2A,2B,2C,3A,3B,3C to be considered

incorporating these changes in the present tender, we may tender again.

Draft tender document (DFA/22767) put up for approval

14/08/2023 06:11 PM

MANJU SAROJINI
DPE(SP) ANERT

Note # 123

Attached is the revised draught of the tender document. Please execute the necessary actions in order to publish the tender notice.

16/08/2023 11:09 AM

JAYAKUMAR R
TH(T4) ANERT

Note # 124

The Name of the tender may be revised to "EoI for Additional Empanelment of vendors under the Rate Contract for .. under PM KUSUM Scheme (Component C) in the State of Kerala". Also, the existing rates are to be mentioned in the document citing the Rate Contract order (incl AO number and date) and no financial bids are collected as part of the tender process.

16/08/2023 01:44 PM

VINAY P
PE1(RTS) ANERT

Note # 125

Tender document changed as directed and Draft (DFA/22783) is put up. [Rate contract order](#)

16/08/2023 05:42 PM

MANJU SAROJINI
DPE(SP) ANERT

Note # 126

Draft tender document for additional empanelment of vendors for implementation of PM KUSUM scheme may be approved.

17/08/2023 03:47 PM

VINAY P

PE1(RTS) ANERT

Note # 127

May be approved

18/08/2023 11:26 AM

**ANEESH S PRASAD
CTM ANERT**

Note # 128

Put up Post Onam. This shall be first communicated separately with existing developers to avoid legal issues and give a weeks time then publish

18/08/2023 05:08 PM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 129

19/08/2023 01:03 PM

**CENTRAL REGISTRY UNIT
CRU ANERT**

Note # 130

Jayakumar pls see

19/08/2023 03:52 PM

**ANEESH S PRASAD
CTM ANERT**

Note # 131

23/08/2023 03:38 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 132

Noted.

As directed vide Note #128, the existing developers may be communicated about the process prior to the publish of the tender for additional empanelment

25/08/2023 12:02 PM

**VINAY P
PE1(RTS) ANERT**

Note # 133

05/09/2023 11:24 AM

**MANJU SAROJINI
DPE(SP) ANERT**

Note # 134

05/09/2023 03:14 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 135

The letter to be sent to empanelled vendors regarding the additional empanelment process is attached.

For orders

14/09/2023 12:00 PM

**VINAY P
PE1(RTS) ANERT**

Note # 136

May be approved

14/09/2023 12:15 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 137

May be approved

14/09/2023 12:25 PM

**ANEESH S PRASAD
CTM ANERT**

Note # 138

Approved

14/09/2023 03:59 PM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 139

14/09/2023 04:01 PM

**ANEESH S PRASAD
CTM ANERT**

Note # 140

14/09/2023 04:33 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 141

The communication regarding additional empanelment is sent to all the existing developers under the scheme. The tender document for the additional empanelment may be approved.

24/09/2023 02:23 PM

**VINAY P
PE1(RTS) ANERT**

Note # 142

Pls examine closely.

25/09/2023 10:14 AM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 143

26/09/2023 08:53 PM

**KIRAN KRISHNAN G
PE1(T4) ANERT**

Note # 144

29/09/2023 03:41 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 145

The following changes are made in the draft document

1. Clause no 12. (1), regarding the no of pumps the point added is " The individual no of pumps may vary according to the NABARD allocation and field survey"(Page 29) .
2. Clause no. 14.2 (b) in payment terms **commissioning** instead of completion of the installation is added (Page 33) .
3. Clause no 16(i), the point is added " Individual Krishibhavan/part will be provided to vendors for conducting site study and feasible site will be allotted as project for issuing work order through BuyMySun.com"(Page 36) .

Tender document changed as above and Draft (DFA/23253) is put up

03/10/2023 05:17 PM

**MANJU SAROJINI
DPE(SP) ANERT**

Note # 146

The draft tender document (DFA/23253) may be approved.

03/10/2023 06:41 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 147

May be approved

04/10/2023 09:57 AM

**ANEESH S PRASAD
CTM ANERT**

Note # 148

Resubmit with corrections as discussed

16/10/2023 02:21 PM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 149

Updated the document as suggested. The additional empanelment document may be approved.

19/10/2023 03:03 PM

**VINAY P
PE1(RTS) ANERT**

Note # 150

10.1.4 shall be modified and resubmit. there is little ambiguity

19/10/2023 05:28 PM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 151

The clause is re-drafted and updated in the EoI document

19/10/2023 05:50 PM

**VINAY P
PE1(RTS) ANERT**

Note # 152

Approved

20/10/2023 10:10 AM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 153

26/12/2023 01:20 PM

**VINAY P
PE1(RTS) ANERT**

Note # 154

Tender FOR ADDITIONAL empanelment of vendors was opened on 18/11/2023. 10 firms submitted the bids.

1. M/s. Adithya Innovations.
2. M/s. A J Infra solutions.
3. M/s. B S Energy Industries
4. M/s. BSS Community Industries.
5. M/s. Coopa Energy.
6. M/s. Inforce Engineering solutions.
7. M/s. K CP Solar Industry.
8. M/s. Soft rays Power solutions.
9. M/s. Usha Electronics Systems.
10. M/s. Wattsun Energy India Pvt ltd

By evaluating the bids some clarifications were sought via e-mail regarding the documents submitted.

All the bidders have responded to the same(response attached in the reference).

By evaluating the mails and submitted documents final findings were concluded.

As per that following firms satisfactorily met the tender conditions.

Sl no	Bidder	ICRA Rating	Remarks
1	M/s. A J Infra solutions	Awaiting for ICRA certificate	M/s. K CP Solar Industry.
2	M/s. B S Energy Industries	Awaiting for ICRA certificate	M/s. K CP Solar Industry.
3	M/s. Inforce Engineering solutions.	3C	
4	M/s. K CP Solar Industry	1C	Conditionally qualified

M/s. A J Infra solutions & M/s. B S Energy Industries are conditionally qualified and need to produce the ICRA certificate within 30 days and M/s. K CP Solar Industry needs to produce the consolidated completion certificate within 30 days.

Clarification sought were provided by others are not satisfactorily.

The evaluation report is prepared as draft.

So the above mentioned 4 firms qualified in technical evaluation. As per tender Firms with ICRA rating- 1A/1B/1C/2A/2B /2C /3A/3B/3C shall be considered as qualified.

A draft Tender evaluation report (DFA/24213) is prepared

Forwarding for approval.

30/12/2023 11:56 AM

MANJU SAROJINI
DPE(SP) ANERT

Note # 155

Pls check the e-mail and resubmit with updated documents.

01/01/2024 05:02 PM

JAYAKUMAR R
TH(T4) ANERT

Note # 156

Tender FOR ADDITIONAL empanelment of vendors was opened on 18/11/2023. 10 firms submitted the bids.

1. M/s. Adithya Innovations.
2. M/s. A J Infra solutions.
3. M/s. B S Energy Industries
4. M/s. BSS Community Industries.
5. M/s. Coopa Energy.
6. M/s. Inforce Engineering solutions.
7. M/s. K CP Solar Industry.
8. M/s. Soft rays Power solutions.
9. M/s. Usha Electronics Systems.
10. M/s. Wattsun Energy India Pvt Ltd

By evaluating the bids some clarifications were sought via e-mail regarding the documents submitted.

All the bidders have responded to the same(response attached in the reference).

By evaluating the mails and submitted documents final findings were concluded.

As per that following firms satisfactorily met the tender conditions.

Sl no	Bidder	ICRA Rating	Remarks
1	M/s. A J Infra solutions	Awaiting for ICRA certificate	Conditionally qualified.
2	M/s. B S Energy Industries	Awaiting for ICRA certificate	Conditionally qualified.
3	M/s. Inforce Engineering solutions.	3C	Qualified
4	M/s. K CP Solar Industry	1C	Conditionally qualified

M/s. A J Infra solutions & M/s. B S Energy Industries are conditionally qualified and need to produce the ICRA certificate within 30 days and M/s. K CP Solar Industry needs to produce the consolidated completion certificate from TEDA within 30 days.They have provided a [declaration](#) via e mail stating that they will provide a consolidated completion certificate from TEDA/TANGEDCO.

Alternatively a mail has been sent to TEDA from ANERT, to provide such a certificate.

Clarification provided by others are not satisfactory. [Tender evaluation](#) summary is attached

The evaluation report is prepared as draft.

So the above mentioned 4 firms qualified in technical evaluation. As per tender Firms with ICRA rating- 1A/1B/1C/2A/2B /2C /3A/3B/3C will only be considered.

A draft Tender evaluation report (DFA/24213) is prepared

Forwarding for approval.

03/01/2024 05:23 PM

**MANJU SARAJINI
DPE(SP) ANERT**

Note # 157

The draft tender evaluation report (DFA/24213) may be approved.

04/01/2024 11:08 AM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 158

KUSUM team has evaluated the bids and submitted the report for approval. This may be approved

04/01/2024 03:04 PM

**ANEESH S PRASAD
CTM ANERT**

Note # 159

Approved

04/01/2024 05:18 PM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 160

04/01/2024 05:38 PM

**ANEESH S PRASAD
CTM ANERT**

Note # 161

05/01/2024 10:48 AM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 162

17/01/2024 11:45 AM

**KIRAN KRISHNAN G
PE1(T4) ANERT**

Note # 163

After evaluating the tender the the evaluation report was submitted and it is approved by the competent authority.
The qualified EPCs are

Sl No	Company Name	ICRA rating	Total capacity in kW by batch
1	M/s. Inforce Engineering solutions	3C	300
2	M/s. K C P Solar Industry	1C	1000
3	M/s. B S Energy Innovations	3C	300
4	M/s. A J Infra solutions	2C	1000

Hence a draft [rate contract order](#) (DFA/24447) is prepared and forwarding for perusal and approval.

17/01/2024 05:10 PM

**MANJU SAROJINI
DPE(SP) ANERT**

Note # 164

Draft Rate Contract order (DFA/24447) may be approved.

18/01/2024 11:15 AM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 165

May be approved

18/01/2024 12:59 PM

**ANEESH S PRASAD
CTM ANERT**

Note # 166

Approved

18/01/2024 03:46 PM

**NARENDRA NATH VELURI I F S
CEO ANERT**

Note # 167

18/01/2024 03:49 PM

ANEESH S PRASAD
CTM ANERT

Note # 168

18/01/2024 04:26 PM

JAYAKUMAR R
TH(T4) ANERT

Note # 169

15/03/2024 10:18 AM

MANJU SAROJINI
DPE(SP) ANERT

Note # 170

27/03/2024 05:25 PM

KIRAN KRISHNAN G
PE1(T4) ANERT

Note # 171

10/05/2024 02:22 PM

MANJU SAROJINI
DPE(SP) ANERT

Note # 172

As per the direction from CEO ANERT to incorporate more EPC'S to the work implementation of PM KUSUM Component C on [7/5/2024](#) , the following changes can be made in the tender document. The companies having the prescribed eligibilities and willing to adhere to the terms and conditions in the tender document and the existing rates in the Rate Contract Order No. 46/2023/ANERT dtd. 28/02/2023 may be considered to prepare a new list of EPC companies for the PM KUSUM Component C.

Draft : DFA/26447 tender document prepared and putup for approval

Point no	Existing clause	To be changed
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	Clause No 10.2	Table
1.5		The bidder must have
	The bidder must have	completed solar
	installations of at least 3	MW in India to be eligible
	for projects above 10 KW.	In case of JV, all the
	members jointly must fulfil	this requirement and submit
10.2	the documents as per the	Tender
	document.	The
	bidder must have completed	solar installations of at least
	1 MW in India to be eligible	for projects up to 10 KW In
	case of JV, all the members	jointly must fulfil this
	requirement and submit the	documents as per the
	Tender document.	
	The Bidder must have	the required GST
10.2-	Registration.	Registration in Kerala
1.3	In case of JV, all the	members must fulfil this
	requirement	
		In case of Rooftop sites The
		Kerala State Electricity
		Regulatory Commission order
		dated 11-4-2024 (In the matter of
		relaxation in KSERC (Renewable
		Energy & Net metering)
		Regulations, 2020 for
		implementation of PM-KUSUM
		Component-C project in Kerala)
		shall be followed
19	Point 19 Table 10	
		Only crystalline silicon cell PV
		modules of 500W _p or higher
		capacity should be used in the
		power plant. It is necessary to
		use SPV modules with
		indigenously manufactured
		solar cells (DCR Content) and
		shall be from the Approved List

20 Point 20.1

of Module Manufacturers (ALMM) issued by MNRE from time to time. MNRE has issued an OM vide - F no. 283/54/2018-GRID SOLAR - Part (1) 22/03/2024 making it mandatory for solar Panels used in Pump projects to have minimum efficiency of 19.5%. A revised ALMM list was also provided along this order. Along with DCR content this efficiency requirement also needs to be followed in the installation

10/06/2024 05:54 PM

KIRAN KRISHNAN G
PE1(T4) ANERT

Note # 173

Please verify and get approval from the CEO before publishing the tender

12/06/2024 11:36 AM

JAYAKUMAR R
TH(T4) ANERT

Note # 174

The tender document is verified. May be approved for publish

12/06/2024 01:21 PM

VINAY P
PE1(RTS) ANERT

Note # 175

May be approved

13/06/2024 10:15 AM

ANEESH S PRASAD
CTM ANERT

Note # 176

Approved to Proceed

13/06/2024 12:15 PM

NARENDRA NATH VELURI I F S
CEO ANERT

Note # 177

13/06/2024 12:44 PM

ANEESH S PRASAD
CTM ANERT

Note # 178

The tender for the additional empanelment under PM KUSUM Component C was published in the Kerala tenders portal and there are 8 bidders - M/s Aadithya Innovations, M/s BSS Community Industries, m/s Coopa Energy, m/s Maxgreen Infrastructure and Renewables Pvt Ltd, M/s POM Systems and Services, M/s Softrays Power Solutions, M/s Solgen Energy and M/s Usha Electronics. The bids are emailed for evaluation and may be included in the reference section of the efile upon completion.

26/07/2024 01:44 PM**VINAY P
PE1(RTS) ANERT****Note # 179****26/07/2024 01:53 PM****JAYAKUMAR R
TH(T4) ANERT****Note # 180**

Tender ID: 2023_ANERT_614977_2
Tender REF No: ANERT-TECH/144/2022-T4
TENDER NAME: - EoI for additional Empanelment of vendors under the Rate Contract for the Solarization of 9,348 Nos Grid Connected Agricultural Pumps ranging from 2kW 150 kW under the PM KUSUM scheme (Component C) in the State of Kerala.
Tender FOR ADDITIONAL empanelment of vendors was opened on 25/07/2024. 08 firms submitted the bids.

1. M/s. Adithya Innovations.
2. M/s. BSS Community Industries.
3. M/s. Coopa Energy.
4. M/s. Maxgreen Infrastructure and renewables Pvt. Ltd
5. M/s. POM SYSTEMS AND SERVICES PVT. LTD.
6. M/s. soft rays Power solutions
7. M/s. SOLGEN ENERGY PVT. LTD
8. M/s. Usha Electronics Systems.

By evaluating the bids some clarifications were sought via [e-mail](#) regarding the documents submitted.

All the bidders have responded to the same (response attached in the reference). Bid documents and clarifications uploaded by 8 companies are attached in Reference SI no 12 to 40

By evaluating the mails and submitted documents final findings were concluded. As per that following firms satisfactorily met the tender conditions.

SI no	Bidder	ICRA Rating	Remarks

1	M/s. Adithya Innovations	3B	qualified
2	M/s. BSS Community industries	2B	qualified
3	M/s. Coopa Energy		conditionally qualified
4	M/s. Maxgreen infrastructure and renewables Pvt. Ltd	2C	qualified
5	M/s. POM systems and services Pvt. Ltd	2C	qualified
6	M/s. Softrays Power Solutions	2C	qualified
7	M/s. Solgen Energy Pvt. Ltd	2C	qualified
8	M/s. USHA ELECTRONICS SYSTEMS	2C	qualified

M/s. Coopa Energy is conditionally qualified and need to produce the ICRA certificate within 30 days.

Tender [evaluation summary](#) is attached

The evaluation report is prepared as draft

Also a draft rate contract order is also prepared as draft

- a. Draft (DFA/27666) tender abstract and
- b. Draft (DFA/27664) rate contract order is prepared and forwarding for perusal and approval.

24/09/2024 04:15 PM

**MANJU SAROJINI
DPE(SP) ANERT**

Note # 181

Scrutinized the evaluation sheet and other documents

Draft - DFA/27666 tender abstract and DFA /27664 rate contract order - verified

24/09/2024 04:51 PM

**KIRAN KRISHNAN G
PE1(T4) ANERT**

Note # 182

25/09/2024 10:30 AM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 183

25/09/2024 10:31 AM

**MANJU SAROJINI
DPE(SP) ANERT**

Note # 184

25/09/2024 02:14 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 185

reviewed

26/09/2024 10:18 AM

**MANJU SAROJINI
DPE(SP) ANERT**

Note # 186

26/09/2024 11:33 AM

**KIRAN KRISHNAN G
PE1(T4) ANERT**

Note # 187

The following draft proceedings may be approved.

1. Draft - DFA/27666 tender abstract
2. DFA /27664 rate contract order

26/09/2024 11:55 AM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 188

Approved

26/09/2024 03:37 PM

**NARENDRA NATH VELURI
CEO ANERT**

Note # 189

26/09/2024 04:42 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 190

26/09/2024 05:08 PM

**VINAY P
PE1(RTS) ANERT**

Note # 191

06/11/2024 10:45 AM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 192

27/02/2025 02:38 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 193

27/02/2025 03:05 PM

**VINAY P
PE1(RTS) ANERT**

Note # 194

Note # 195

Rate Contract for the solarisation of 9348 Nos Grid Connected Agricultural Pumps ranging from 2kW to 150 kW under the PM KUSUM Scheme (Component C) in the state of Kerala – Eligibility for projects above 10kW -Group 2

Ref :

- 1-ANERT- Tech/144/2022- T4- 12/12/2022(Tender)
- 2-ANERT- Tech/144/2022- T4- 20/10/2023(EoI-1)
- 3-ANERT- Tech/144/2022- T4- 24/06/2024(EoI-2)
- 4- AO- 46/2023/ANERT- 28-02-2023(RCo-1)
- 5- AO- 13/2024/ANERT-18-01-2024(RCo-2)
- 6- AO-255/2024/ANERT-26-09-2024(RCo-3)

To expedite the installation of higher capacity solar pumps (>10kW and ≤150kW) under the PM-KUSUM programme, it has been observed that the current progress is slow. As per the eligibility criteria, EPCs were required to have prior experience of 3 MW in the supply, installation, and commissioning of solar power plants for SNA/Government Organizations/SECI/PSUs which was later relaxed to 3MW experience in India. Out of 18 empaneled EPCs, only 9 submitted the required documents during the tender period. Some EPCs later communicated that they were unable to submit their experience documents within the specified time [frame](#) .

At present, 5 work orders have been issued, and installations have been completed by only one EPC. In light of the slow pace of implementation, it is suggested to invite experience documents at the time of tendering from the remaining EPCs to assess their eligibility for the installation of higher capacity pumps.

A draft order is prepared to collect and evaluate relevant experience evidence to facilitate and accelerate the implementation of the PM-KUSUM programme.

Draft DFA/30574 prepared and put up for approval

22/04/2025 02:14 PM

KIRAN KRISHNAN G
PE1(T4) ANERT

Note # 196

Draft (DFA/30574) proceedings may be approved.

28/04/2025 01:43 PM

JAYAKUMAR R
TH(T4) ANERT

Note # 197

As per Note#195 and 196 the proposal to re-evaluate the eligibility of the EPCs for installation of higher capacity solar pumps (>10kW and ≤150kW) under the PM-KUSUM programme after the publishing of a rate contract order with respect to tender.

File forwarded for suggestions and orders.

05/05/2025 11:59 AM

BANDEESH P
AO ANERT

Note # 198

Note # 195 above. Draft proceedings may be approved

05/05/2025 12:06 PM

AJAYA KUMAR V
CFO ANERT

Note # 199

Approved

06/05/2025 11:52 AM

NARENDRA NATH VELURI
CEO ANERT

Note # 200

06/05/2025 11:52 AM

AJAYA KUMAR V
CFO ANERT

Note # 201

06/05/2025 12:37 PM

JAYAKUMAR R
TH(T4) ANERT

Note # 202

19/05/2025 10:51 AM

JAYAKUMAR R
TH(T4) ANERT

Note # 203

11/06/2025 02:25 PM

KIRAN KRISHNAN G
PE1(T4) ANERT

Note # 204

Installation of higher capacity solar pumps (>10kW and ≤150kW) under the PM-KUSUM programme - EPCs to assess the eligibility for the installation of higher capacity pumps.

An order has been issued to collect and evaluate the experience certificates from EPCs vide order no. [A.O. No. 95/2025/ANERT](#) dtd. 06-05-2025 to find out the eligibility in PM KUSUM project above 10kW(higher capacity). in this regard M/s. KCP Solar Industry has submitted the necessary documents for verification. After verifying the documents, it is understood that the agency had submitted [work orders and completion certificates](#) to meet the 3MW eligible criteria. A draft order to incorporate the EPC in the installation of higher capacity solar pumps (>10kW and ≤150kW) under the PM-KUSUM Component C programme -Group 2 category is prepared.

A draft (DFA/31194) is put up for approval.

12/06/2025 11:55 AM

MANJU SAROJINI
DPE(SP) ANERT

Note # 205

A draft proceedings (DFA/31194) may be approved.

13/06/2025 01:06 PM

JAYAKUMAR R
TH(T4) ANERT

Note # 206

Subject to the Documents submitted, draft may be approved.

20/06/2025 10:47 AM

BANDEESH P

Note # 207

Pre para. Draft proceedings may be approved

20/06/2025 11:02 AM

**AJAYA KUMAR V
CFO ANERT**

Note # 208

Approved

20/06/2025 02:16 PM

**NARENDRA NATH VELURI
CEO ANERT**

Note # 209

20/06/2025 02:22 PM

**AJAYA KUMAR V
CFO ANERT**

Note # 210

20/06/2025 06:07 PM

**JAYAKUMAR R
TH(T4) ANERT**

Note # 211

25/06/2025 05:22 PM

**JAYAKUMAR R
TH(T4) ANERT**
