
Invitation of Expression of Interest for Empanelment of Agencies for Solar Rooftop Programme in Kerala under Distributed Power generation. (Grid connected & Off Grid)

Addendum to notification No. 129/NSM/SRTP/EA/01 Dated 5th September 2016



Agency for Non-conventional Energy & Rural Technology

SEPTEMBER 27, 2016

Agency for Non-conventional Energy & Rural Technology
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Reference no	In EoI document	Amended as
1.B Abstract	Last date of submission EOI by the agencies-12:00 noon, 30 th September 2016	Last date of submission EOI by the agencies-11am, 15 th October 2016
1.B Abstract	Date & time of opening bids-3 pm on 30 th September 2016	Date & time of opening bids-2 pm on 15 th October 2016
Clause 2.11	The installation will be verified for compliance by ANERT. Electrical inspectorate and Distribution Licensee will provide energisation approval and connectivity. Subsidy due to the beneficiary will be released by ANERT on receiving commissioning report and verification certificate. In the case of Off Grid systems ANERT will be the inspecting authority. ANERT shall complete the inspection and release of subsidy within a period of one months from the date of submission of commissioning report with all necessary documents to the concerned ANERT District office. Subsidy normally due to the beneficiary will be released to the Empanelled Agency that installed the system, based on the authorisation letter from the beneficiary. The beneficiary share of the cost of the system (over and above the subsidy) will be directly paid by the beneficiary to the Empanelled Agency.	The installation will be verified for compliance by ANERT. Electrical inspectorate and Distribution Licensee will provide energisation approval and connectivity. Subsidy will be released to the agency based on the authorisation from the beneficiary In the case of off grid system 100% subsidy will be released to the agency after getting commissioning report and verification report from competent authority. In the case of grid connected systems, 60% of the subsidy will be released to the agency on receiving completion report and verification report from competent authority. Balance 40% will be released after getting commissioning report of the project. The processing period for the release of 100% subsidy in the case of off grid system and 60% subsidy of grid connect power plant will be maximum one month (positively) from the date of submission of commissioning report with all necessary documents to the concerned ANERT District office. The beneficiary share of the cost of the system (over and above the subsidy) will be directly paid by the beneficiary to the Empanelled Agency.
Clause 3.4	The installation of plant has to be completed and commissioning report has to be submitted within six month after getting the registration number.	The installation of plant has to be completed and completion report has to be submitted within 90 days after getting the registration number.
Clause 3.7	Agency should have at least one service centres for two adjacent districts of Kerala. A service agreement in the given format along with copy of MoU / Agreement with the service centres has to be submitted. Failure to fulfil this will make them ineligible from getting included in the list of Empanelled Agencies.	Agency should have at least one service centres for two adjacent districts of Kerala. If an agency is not providing service centre in any district, the agency will not be empanelled for that district. An under taking in this regard has to be submitted along with EoI document. On provisional empanelment a service agreement in the given format along with copy of MoU / Agreement with the service centres has to be submitted. Failure to fulfil this will make them ineligible from getting included in the list of Empanelled Agencies. The status of service centre will be monitored regularly. If the performance is not satisfactory the agency will not allowed take further orders in that district
Clause 8.2	For participating in Solar Grid connected Programme the agency should be an approved Channel Partner of MNRE for Grid connected Solar Photovoltaic applications with valid accreditation as on last date of submission of this EoI - <i>Attested copy of Certificate from MNRE has to be submitted. In the case of Channel partner (New Entrepreneur) category the bidder has to submit the audited statement of</i>	For participating in Solar Grid connected Programme the agency should be an approved Channel Partner of MNRE for Grid connected Solar Photovoltaic applications with valid accreditation as on last date of submission of this EoI - <i>Attested copy of Certificate from MNRE has to be submitted. In the case of Channel partner (New Entrepreneur) category the bidder has to submit the audited statement of accounts for Last Two years. The</i>

	<i>accounts for Last three years. The agencies not having 3 years standing will not be eligible for empanelment.</i>	<i>agencies not having 2 years standing will not be eligible for empanelment.</i>
Clause 8.4	The Agency should have a valid CST/VAT/TIN registration certificate in Kerala -Attested Copy has to be enclosed.	The Agency should have a valid CST/VAT/TIN registration certificate in Kerala -Attested Copy has to be enclosed. Those agencies applied for registration may submit the proof of filing application at the time submission and has to submit the copy of registration certificate consequently before price bid opening.
Table 9.1	Experience and financial criteria for grid connected solar power plant programme	Table 9.1 amended as Annexure-1
Table 9.2	Experience and financial criteria for off grid solar power plant programme	Table 9.2 amended as Annexure-2
Clause 10.1	The system installed should conform to the minimum technical requirements by MNRE, CEA, KSERC and ANERT (undertaking by the agency to be submitted as per Annexure II-C.	The system installed should conform to the minimum technical requirements by MNRE, CEA ,KSERC and ANERT (undertaking by the agency to be submitted as per Annexure -4
Clause 10.3	The Agency should have completed the installation of at least an aggregated minimum capacity as per the experience criteria (Table 9-1) for each category of empanelment. The list of installed systems should be provided in the enclosed format (Annexure II-A& II B) along with certificate of satisfactory performance issued by the user.	The Agency should have completed the installation of at least an aggregated minimum capacity as per the experience criteria (Table 9-1) for each category of empanelment. The list of installed systems should be provided in the enclosed format (Annexure 2 & 3) along with certificate of satisfactory performance issued by the user.
Clause 11.1	The system installed should conform to the minimum technical requirements by MNRE and ANERT (undertaking by the agency to be submitted as per Annexure II-C	The system installed should conform to the minimum technical requirements by MNRE and ANERT (undertaking by the agency to be submitted as per Annexure -4
Clause 12.3	The price quoted by the bidder for each configuration shall be all inclusive of taxes and duties, and shall cover the pre-installation survey report, transportation, handling charges, supply and commissioning of a standard installation, cost of insurance as per clause12.2. Cabling of 15meters length for both AC and DC side shall be included in the costing. If the structure requires additional customisation for installation on a roof other than a flat roof, or the cabling exceeds 15 metre each for the DC side (not considering the module interconnection cables) and AC side, up to the existing AC distribution board, the expense may be charged from the beneficiary.	The price quoted by the bidder for each configuration shall be exclusive of taxes and duties, and shall cover the pre-installation survey report, transportation, handling charges, supply and commissioning of a standard installation, cost of insurance as per clause12.2. Cabling of 15meters length for both AC and DC side, Grounding (earthing) conductor for 15 meters shall be included in the costing. If the structure requires additional customisation for installation on a roof other than a flat roof, or the cabling exceeds 15 metre each for the DC side (not considering the module interconnection cables) , AC side up to the existing AC distribution board, Grounding (earthing) the expense may be charged from the beneficiary.
Clause 13.2(9)	NB:- Those agencies not interested in participating in ANERT programmes need not submit item 5 & 6	NB:- Those agencies not interested in participating in ANERT programmes need not submit item 4 & 5
Clause 13.3	NB:- Those agencies not interested in participating in ANERT programmes need not submit item iii , iv & v	NB:- Those agencies not interested in participating in ANERT programmes need not submit item 4,5 & 6
Clause 14.3	A bank guarantee of Rs.500000/- (Rupees Five lakhs) with five years validity has to be submitted as security deposit. Agency will be eligible for the installation of 100kW aggregated capacity of solar power plants. The agency has to submit bank guarantee of the same amount and validity for further allocation of target. The allocation will be given as multiples of 100kW.	Agencies participating in ANERT programmes has to submit bank guarantee of Rs.500000/- (Rupees Five lakhs) with five years validity has to be submitted as security deposit on empanelment. Agency will be eligible for the installation of 100kW aggregated capacity of solar power plants under grid connected programme or 50kW in off grid programme. Separate bank guarantee has to be submitted for grid connected and off grid programme. The agency has to submit bank guarantee of the same amount and validity for further allocation of target. The allocation will be

		given as multiples of 100kW for grid connected and 50kW for off grid programme.
17.20	Output voltage 3 phase, 415 V AC Up to 5kW, it can also be single phase 230V AC depending on the consumer connection. Maximum allowable variation of voltage is +/- 10% Inverter/ PCU should be capable of synchronise with grid voltage between 110% and 80% of the rated output. Beyond this, system has to stop generating.	Output voltage 3 phase, 415 V AC Below 5kW, it can also be single phase 230V AC depending on the consumer connection. Maximum allowable variation of voltage is +/- 10% Inverter/ PCU should be capable of synchronising with grid voltage between 110% and 80% of the rated output. Beyond this, system has to stop generating
Clause 19.29	(Column 1 & 2 row 1 to 4) System Component Capacity Solar panel -1000 Wp Battery -7200Whr ± 4%, Power conditioning Unit -1kW	System Component Capacity Solar panel - 1000Wp per kW Battery -7200Whr ± 4% per kW Power conditioning Unit -1KVAp per kW (the capacity shown is for 1kW power plant) (Battery can be of 4800Whr ± 4% kW in such case the system will be eligible for subsidy at the rate available for grid connected system.)
Clause 19.23	Two years warranty for the entire system and Three years CMC (comprehensive Maintenance Contract should be provided by the supplier for the system installed as per the conditions of the contract.	5 years warrantee for entire system to be provided
Clause 19.24	The Warranty Card to be supplied with the system must contain the details of the system supplied, clauses of warrantee and CMC entered with beneficiary.	The Warranty Card to be supplied with the system must contain the details of the system supplied.
III.A	Financial bid for grid connected solar power plants-	Amended as Annexure-3
III.B	Financial bid for off grid solar power plants	Amended as Annexure-4

Annexure-1

Sl.No	Capacity of the System	Experience in Solar grid connected and off grid projects	Crediting rating of the agency issued by an approved agency	Category
1.	Up to 2kW	Total 5 kW out of which at least one plant should be 2 kW Grid connected or above	All channel partners including new entrepreneurs and all Govt. agencies empanelled for the programme	GE
2.	Up to 10kW	Total 10 kW out of which at least one plant should be 5 kW Grid connected or above	3C and above and all Govt. agencies empanelled for the programme	GD
3.	Up to 50 kW	Total 50 kW out of which at least one plant should be 10 kW grid connected or above	3C and above and all Govt. agencies empanelled for the programme	GC
4.	Up to 100 kW	Total 100 kW out of which at least one plant should be 20 kW grid connected or above or above	3C and above and all Govt. agencies empanelled for the programme	GB
5.	Up to 500kW	Total 500 kW out of which at least one plant should be 100 kW grid connected or above	2C and above and all Govt. agencies empanelled for the programme	GA

Table 9.1

Annexure-2

Sl.No	Capacity of the System	Experience in off grid and Grid connected projects	Crediting rating of the agency issued by an approved agency	Category
1	Up to 5kW	Total 5 kW out of which at least one plant should be 2 kW off grid or above	3C and above and all Govt. agencies empanelled for the programme	E
2	Up to 10kW	Total 10 kW out of which at least one plant should be 5 kW off grid or above	3C and above and all Govt. agencies empanelled for the programme	D
3	Up to 25kW	Total 25 kW out of which at least one plant should be 5 kW off grid or above	3C and above and all Govt. agencies empanelled for the programme	C
4	Up to 50 kW	Total 50 kW out of which at least one plant should be 10 kW off grid or above	3C and above and all Govt. agencies empanelled for the programme	B
5	Up to 100kW	Total 100 kW out of which at least one plant should be 20 kW off grid or above	2C and above and all Govt. agencies empanelled for the programme	A

Table 9.2

Annexure-3

III.A –Financial Bid for Grid Connected Solar Rooftop Power Plants

1. Name of the Agency :

2. Address in Full

Sl.No	Capacity of the System	Price/ Unit all-inclusive in Rupees	Price/ Unit all inclusive(In Words)
1.	2kW		
2.	3kW		
3.	5kW		
4.	10kW		
5.	15kW		
6.	20kW		
7.	25kW		
8.	30kW		
9.	40kW		
10.	50kW		
11.	60kW		
12.	70kW		
13.	80kW		
14.	90kW		
15.	100kW		

Declaration

1. The price quoted by the bidder for each configuration shall be inclusive of cost of pre-installation survey report, transportation, handling, supply and commissioning of a standard installation and cost of insurance.
2. The price quoted also includes the cost of meeting warranty requirements as per the warranty conditions of this project
3. The price quoted is applicable for any location in all fourteen districts of Kerala.

Date

Signature of the authorised signatory

Name

Designation

(Office Seal)

Annexure-4

III.B –Financial Bid for Off Grid Solar Rooftop Power Plants

1. Name of the Agency :

2. Address in Full

No	Capacity of the System	Battery Bank Option-1	Price/ Unit all-inclusive in Rupees	Price/ Unit all inclusive(In Words	Battery Bank Option-2	Price/ Unit all-inclusive in Rupees	Price/ Unit all inclusive(In Words
1	1kW	7200 Whr			4800Whr		
2	2kW	14400Whr			9600Whr		
3	3kW	21600Whr			14400Whr		
4	5kW	36000Whr			24000Whr		

Declaration

1. The price quoted by the bidder for each configuration shall be inclusive of cost of pre-installation survey report, transportation, handling, supply and commissioning of a standard installation and cost of insurance.
2. The price quoted also includes the cost of meeting warranty requirements as per the warranty conditions of this project
3. The price quoted is applicable for any location in all fourteen districts of Kerala.

Date

Signature of the authorised signatory

Name

Designation

(Office Seal)