

15 -ാം കേരള നിയമസഭ

10 -ാം സമ്മേളനം

നക്ഷത്ര ചിഹ്നം ഇല്ലാത്ത ചോദ്യം നം. 2428

12-02-2024 - ൽ മറുപടിയ്ക്ക്

അനെർട്ട് മുഖേന നടപ്പിലാക്കുന്ന പദ്ധതികൾ


ചോദ്യം		ഉത്തരം	
ശ്രീ റോഷി എം. ജോൺ		ശ്രീ എം.ബി. രാജേഷ് (തദ്ദേശ സ്വയംഭരണം, എക്സൈസ് വകുപ്പ് മന്ത്രി)	
(എ)	തിരുവനന്തപുരം നഗരത്തെ സ്മാർട്ട് സിറ്റി ആക്കാനായി അനെർട്ട് മുഖേന എന്തെല്ലാം പദ്ധതികൾ നടപ്പിലാക്കാൻ തീരുമാനിച്ചിട്ടുണ്ടെന്നും എത്ര തുക ഇതിനായി നീക്കിവെച്ചിട്ടുണ്ടെന്നും അറിയിക്കുമോ;	(എ)	വിവരങ്ങൾ Annexure – I ആയി ഉള്ളടക്കം ചെയ്യുന്നു.
(ബി)	അനെർട്ടുമായി ബന്ധപ്പെട്ട പദ്ധതികളുടെ ഭാഗമായി ഇതുവരെ നടത്തിയ മീറ്റിങ്ങുകളുടെ മിനിറ്റ്സിന്റെ പകർപ്പ് ലഭ്യമാക്കാമോ;	(ബി)	നാളിതുവരെ നടത്തിയിട്ടുള്ള മീറ്റിംഗുകളുടെ മിനിറ്റ്സിന്റെ പകർപ്പ് Annexure - II ആയി ഉള്ളടക്കം ചെയ്യുന്നു.
(സി)	സോളാർ പദ്ധതികൾക്ക് വേണ്ടി അനെർട്ടിൽ നിന്നും ലഭിച്ച പേയ്മെന്റ് റിലീസ് ഓർഡറുകളുടെ പകർപ്പ് ലഭ്യമാക്കാമോ;	(സി)	അനെർട്ടിൽ നിന്നും ലഭിച്ച പേയ്മെന്റ് റിലീസ് ഓർഡറുകളുടെ പകർപ്പ് Annexure - III ആയി ഉള്ളടക്കം ചെയ്യുന്നു.
(ഡി)	സോളാർ പദ്ധതികൾ നടപ്പിലാക്കുന്നതിനുള്ള നടപടിക്രമങ്ങൾ എന്തെല്ലാമാണ്; വിശദമാക്കാമോ?	(ഡി)	സോളാർ പവർ പ്ലാന്റ് സ്ഥാപിക്കുന്നതിനുള്ള സാധ്യതാ പഠനം നടത്തും. ഇതിന്റെ അടിസ്ഥാനത്തിൽ സ്ഥാപിക്കാവുന്ന സോളാർ പവർ പ്ലാന്റിന്റെ ശേഷി നിശ്ചയിക്കും. അനെർട്ട് തയ്യാറാക്കുന്ന എസ്റ്റിമേറ്റിന്റെ അടിസ്ഥാനത്തിൽ സ്മാർട്ട് സിറ്റി ഭരണാനുമതി നൽകും. തുടർന്ന് സാങ്കേതിക അനുമതി അനെർട്ട് നൽകി ടെൻഡർ നടപടികളിലേക്ക് പോകും. ഇ-ടെൻഡർ നടപടികൾ സ്വീകരിച്ച അനെർട്ട് പ്ലാന്റ് സ്ഥാപിക്കുന്ന ഏജൻസിയെ തിരഞ്ഞെടുക്കും. പ്രവൃത്തി അനെർട്ടിന്റെ മേൽ നോട്ടത്തിൽ പൂർത്തീകരിച്ചു നൽകുന്നതുമാണ്.

സെക്ഷൻ ഓഫീസർ

ANNEXURE- I

Administrative Sanction issued to ANERT

Sl No.	Name of Projects	Administrative Sanction Amount
1.	Solar Rooftop at MLA Hostel	0.37 Cr
2.	Solar Rooftop at Secretariat Annex	0.50 Cr
3	Solar Rooftop at KSRTC	0.74 Cr
4.	Solar City Project	124.16 Cr
5.	EV Charging Station	11.5 Cr
6.	OWC – I	0.28 Cr
7.	OWC – 2	0.394 Cr
	Total	137.9 Cr.


KRISHNA KUMAR S.
General Manager (Operations)
Smart City Thiruvananthapuram Ltd.
(Under LSGD)

ANNEXURE – II



SMART CITY THIRUVANANTHAPURAM LIMITED

Minutes of Review meeting -Solar Projects

(on 05.01.2024 Friday, 12:30 Hours)

MEMBERS PRESENT:

Smart City Thiruvananthapuram Limited:

1. Shri. Krishna Kumar S(General Manager(Operations)
2. Shri.Sam K Panicker (Assistant Manager, Electrical)
3. Joseph VK (Resource Person)

Kerala Rail Development Limited (PMC)

1. Shri. Venkatachalam (Project Director/Team Leader)
2. Shri.Rajesh K R (Associate Engineer(IT)

Others

ANERT Representatives

1. Premkumar K(Scientist)
2. Vinay P (TA to CEO)
3. Aneesh Prasad (Chief Technical Officer)
4. Abhishek J B (Apprentice trainee)

Minutes of Meeting with Smart City Officials , PMC Officials and ANERT Representatives on 05/01/2024


Minutes of Review Meeting commenced by General Manager , SCTL, which is held on 05/01/2024

Meeting started at 12.30 pm.

- Purpose: Regarding the establishment of Solar City Project
- Out of 517 sites 240 sites were completed and 118 sites connected to site.

Discussion Points:

- General Manager enquired about installation of EV Chargers.

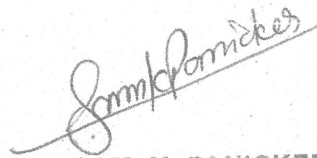

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- The ANERT representative addressed the challenge of site appropriateness.
- The SCTL raised that which all parameters ANERT has shared via the dashboard interface.
- Representatives from ANERT responded with information on 250 parameters.
- SCTL suggested providing the required 12 parameters.
- The parameters on the interface response screen that ANERT showed are as follows: Serial number, model, capacity, current, power, performance ratio, and calculation.
- The General Manager asked about the data and irradiance validation.
- The General Manager recommended that the domain be made available as SCTL-ICCC-ANERT-ICCC.

Decisions Taken

- SCTL directed for ICCC dashboard integration as per MoU executed between SCTL and ANERT on 04/01/2023.
- The General Manager directed us to submit the status of the work on the next day.

Meeting ended at 1.40 pm.



SAM K. PANICKER
Assistant Manager (Electrical)
Smart City Thiruvananthapuram Ltd.



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447/2023
21/02/2023

Minutes of the Joint Meeting of SCTL and ANERT

Date and Time: 06.02.2023

4.15 P.M

Venue: ANERT Conference Hall

Participants of meeting as follows:-

- a) Narendra Nath Veluri IFS, CEO, ANERT
- b) Arun K Vijayan IAS, CEO, SCTL
- c) Aneesh S Prasad, Chief Technical Manager, ANERT
- d) Krishna Kumar, General Manager, SCTL
- e) K G Kala, Additional Chief Technical Manager, ANERT
- f) Nishitha K S, Senior Manager, SCTL
- g) Vinay P, Project Engineer, ANERT
- h) Radhika J M, Project Engineer, ANERT
- i) Akhil, Project Engineer, ANERT
- j) Sam K Paniker, SCTL
- k) Lijitha V P, Assistant Accounts Officer, ANERT
- l) Surjith, Assistant Project Engineer, ANERT
- m) Vineetha A V, Assistant project Engineer, ANERT
- n) Haritha V G, Technical Assistant, ANERT

S. P. M. G. / 10/02/23

GM, SCTL
2/2

Meeting started at 4.15 pm

Team ANERT made a presentation on the status of implementation of solar power plant on government buildings in Solar city Trivandrum. The abstract of these is detailed below:

AS proposals submitted	-10 nos
AS received	- 3 nos
No. of sites tendered	-125 nos
No. of work orders issued	- 115 nos
Aggregate capacity	- 4.5 MW
Material delivered at site	- 50 nos
Material on Transit	-25 nos
Installation completed	- 10 nos

The expected expenditure till 28 th feb 23

SI No	No. of Sites	kW	WO Amount	Expected Expenditure till Feb 28
1	115	2800	17,76,84,286	14,21,47,428
2	3	3000	19,00,36,669	11,40,22,001

N. Prasad

NARENDRA NATH VELURI IFS
CHIEF EXECUTIVE OFFICER, ANERT

K

KRISHNA KUMAR S.
General Manager (Operations)
Smart City Thiruvananthapuram Ltd.
(Under LS GD)

It was decided to convene meeting with PSUs such as Titanium, Milma, Green field stadium etc.so that any revenue generation scheme can be worked out in the following modes.

Options like

1. RESCO for break even
2. O&M cost
3. Other options like Carbon credit may be explored

Regarding API integration of remote monitoring systems with ICCC portal of SCTL, It was decided to handover the necessary details within a week. For further installations API integration has to be ensured while commissioning.

CEO , SCTL remarked that if any crisis arises ANERT and SCTL should work together to resolve the same without blaming each other.

Regarding Technical Sanction of Projects it is decided to entrust ANERT to issue the same as ANERT is the technical authority of the Renewable Energy Projects in Kerala. ANERT is also authorised by LSGD for technical assistance to LSGD institutions.

CEO ANERT had requested to position one or two technical persons of SCTL at ANERT so that they can be trained and involved in Technical compliance verifications of implementation. This will reduce the complexity and time required for technical verification and approval of installations. After the further discussions the following decisions were made:

1. For further proposals for AS must be given separately for Central Government and PSU's
2. The time line for the processing of documents is fixed as follows:


Sl,No	Particulars	Action to be Taken	Timeline
1	Submitting Proposal for AS	ANERT	0
2.	Issuing of AS	SCTL	Within Seven days on Submission
3.	Technical sanction	ANERT	Within three days of AS
4.	Tendering and issuing work order	ANERT	Within 21 days after receiving AS (for sites below 1MW)
5.	Verification of Material delivery, completion, commissioning	ANERT	Within 5 days on receiving report from EPC
6.	Indent for release of payment	ANERT	Within three days On



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NARENTHRA NATH VELURI IFS
CHIEF EXECUTIVE OFFICER, ANERT

			receiving stage completion report.
7	Release of Payment	SCTL	Within Seven days on receiving indent from ANERT


3. CEO, SCTL nominated Senior Technical Consultant, Electrical as technical expert from SMART city for technical compliance verification and certification. Senior Consultant of SCTL may be positioned at ANERT or SCTL. He must be in constant contact with ANERT and shall be the signing authority of technical documents on behalf of SCTL.
 4. All documents other than that have to be signed have to be transferred to SCTL as Soft copies through drive.
 5. A revised AS proposal has to be submitted to SCTL for the sanctioned AS
 6. For future repair and maintenance fund may be raised through sale of carbon credit
 7. UrjaMitra centres constituted through ANERT shall be entrusted with regular maintenance of the system. The rate fixed by ANERT shall be considered for fixing honorarium.
 8. A template may be created for handing over the site details to the beneficiary that has to be jointly signed by ANERT beneficiary organisation and Smart city.
 9. Regarding E-mobility, CEO SCTL has provided the contact person from Corporation to coordinate the site selection and support implementation.
10. Regarding documents to be submitted to SCTL by ANERT for various activities are finalised as follows
- 1) For obtaining AS
Proposal - Separate proposals for Central Government and PSU's may be submitted in addition to buildings of Municipal Corporation and state government.
 - 2) On finalising the tender.
 - a. Copy of Technical sanction issued by ANERT.
 - b. Copy of work order to the EPC pertaining to the work in that TS
 - c. Tripartite agreement between EPC, ANERT and SCTL in stamp paper
 - 3) On completion of Material delivery-
 - a. Certified Bill of Materials with covering note for release of part payment
 - b. Invoice in original from the EPC
 - c. Request by EPC for the release of 60% of invoice value.
 - d. Copies of test certificates of Major components like module and PCU(soft copy
 - 4) On Completion of installation



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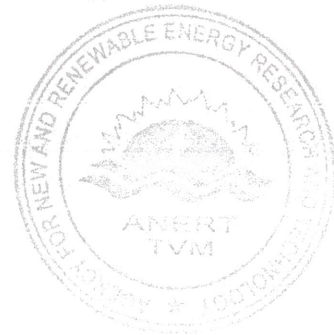

NARENDRA NATH VELURI IFS
 CHIEF EXECUTIVE OFFICER, ANERT

- a. Request by EPC for release of Part payment of 20 % on completion of Installation.
 - b. Completion certificate by ANERT jointly signed by ANERT and the Technical expert of SCTL positioned for this purpose
 - c. Covering note
- 5) On commissioning of work.
- a. Commissioning report along with relevant document of approval from KSEBL
 - b. Request for release of payment.
 - c. Soft Copies of Statutory approvals
11. Regarding Solar powered waste to Manure converter CTM, ANERT raised his apprehension in delay of Administrative sanction. SCTL replied it will be sanctioned at the earliest.
12. Regarding installation of street lights at stretches where the maintenance period of Road Fund Board were ceased ANERT is entrusted to prepare proposal and take up solarisation of street lights using smart lighting and surveillance systems .

Meeting Concluded at 6 P.M



NARENDRA NATHI VELURI IFS
CHIEF EXECUTIVE OFFICER, ANERT


KRISHNA KUMAR S.
General Manager (Operations)
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ANNEXURE - III

SOLAR CITY PROJECT (funded by Smart City Thiruvananthapuram Limited)		
Solarisation of Governemt Building		
Utilisation Certificate submitted upto 09.02.2023		
Sl.No	UC Order Number	Amount(in INR)
1	Anert-Tech/187/2022-T2 dtd.17.2.2023	2,07,51,322
2	Anert-Tech/187/2022-T2 dtd.22.2.2023	47,81,834
3	Anert-Tech/187/2022-T2 dtd.27.2.2023	2,41,20,830
4	Anert-Tech/187/2022-T2 dtd. 15.3.2023	94,75,168
5	Anert-Tech/187/2022-T2 dtd.21.3.2023	14,80,132
6	Anert-Tech/187/2022-T2 dtd.21.3.2023	2,17,49,224
7	Anert-Tech/187/2022-T2 dtd.21.3.2023	64,64,468
8	Anert-Tech/187/2022-T2 dtd 04.04.2023	17,91,644
9	Anert-Tech/187/2022-T2 dtd 10.04.2023	79,28,485
10	Anert-Tech/187/2022-T2 dtd 13.04.2023	24,86,115
11	Anert-Tech/187/2022-T2 dtd 25.04.2023	1,91,28,487
12	Anert-Tech/187/2022-T2 dtd 2.5.2023	1,25,39,160
13	Anert-Tech/187/2022-T2 dtd 9.5.2023	52,50,400
14	Anert-Tech/187/2022-T2 dtd 10.5.2023	8,03,997
15	Anert-Tech/187/2022-T2 dtd 23.5.2023	77,93,821
16	Anert-Tech/187/2022-T2 dtd 12.6.2023	98,89,220
17	Anert-Tech/187/2022-T2 dtd16.6.2023	27,63,572
18	Anert-Tech/187/2022-T2 dtd 16.6.2023	2,23,83,029
19	Anert-Tech/187/2022-T2 dtd 30.6.2023	1,20,81,531
20	Anert-Tech/187/2022-T2 dtd 03.07.2023	5,45,15,032
21	Anert-Tech/187/2022-T2 dtd 10.07.2023	42,08,136
22	Anert-Tech/187/2022-T2 dtd 14.07.2023	3,12,00,949
23	Anert-Tech/187/2022-T2 dtd 22.07.2023	20,35,200
24	Anert-Tech/187/2022-T2 dtd 25.07.2023	20,24,220
25	Anert-Tech/187/2022-T2 dtd 27.07.2023	34,80,232
26	Anert-Tech/187/2022-T2 dtd 31.07.2023	49,73,574
27	Anert-Tech/187/2022-T2 dtd 31.07.2023	6,51,273
28	Anert-Tech/187/2022-T2 dtd 01.08.2023	51,63,855
29	Anert-Tech/187/2022-T2 dtd 05.08.2023	6,48,000
30	Anert-Tech/187/2022-T2 dtd 23.08.2023	28,60,215
31	Anert-Tech/187/2022-T2 dtd 23.08.2023	11,60,077
32	Anert-Tech/187/2022-T2 dtd 23.08.2023	6,40,512
33	Anert-Tech/187/2022-T2 dtd 23.08.2023	14,07,354
34	Anert-Tech/187/2022-T2 dtd 01.09.2023	92,72,389
35	Anert-Tech/187/2022-T2 dtd 02.09.2023	1,48,25,631
36	Anert-Tech/187/2022-T2 dtd 02.09.2023	17,92,224



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Sl.No	UC Order Number	Amount(in INR)
37	Anert-Tech/187/2022-T2 dtd 07.09.2023	3,32,66,972
38	Anert-Tech/187/2022-T2 dtd 08.09.2023	52,36,800
39	Anert-Tech/187/2022-T2 dtd .12.09.2023	71,55,949
40	Anert-Tech/187/2022-T2 dtd .15.09.2023	39,45,408
41	Anert-Tech/187/2022-T2 dtd .15.09.2023	25,84,899
42	Anert-Tech/187/2022-T2 dtd .15.09.2023	5,31,000
43	Anert-Tech/187/2022-T2 dtd .21.09.2023	1,73,591
44	Anert-Tech/187/2022-T2 dtd .7.10.2023	1,00,92,587
45	Anert-Tech/187/2022-T2 dtd .09.10.2023	27,70,147
46	Anert-Tech/187/2022-T2 dtd .13.10.2023	87,89,687
47	ANERT-TECH/187/2022-T2 dtd.17.10.2023	53,47,348
48	ANERT-TECH/187/2022-T2 dtd.26.10.2023	2,16,000
49	ANERT-TECH/187/2022-T2 dtd.26.10.2023	9,30,201
50	ANERT-TECH/187/2022-T2 dtd.26.10.2023	8,37,568
51	ANERT-TECH/187/2022-T2 dtd.26.10.2023	6,20,436
52	ANERT-TECH/187/2022-T2 dtd.26.10.2023	26,39,137
53	ANERT-TECH/187/2022-T2 dtd.30.10.2023	15,47,173
54	ANERT-TECH/187/2022-T2 dtd.30.10.2023	45,63,824
55	ANERT-TECH/187/2022-T2 dtd.01.11.2023	82,45,248
56	ANERT-TECH/187/2022-T2 dtd.01.11.2023	18,92,352
57	ANERT-TECH/187/2022-T2 dtd.02.11.2023	8,94,000
58	ANERT-TECH/187/2022-T2 dtd.04.11.2023	4,03,535
59	ANERT-TECH/187/2022-T2 dtd.08.11.2023	6,18,503
60	ANERT-TECH/187/2022-T2 dtd.08.11.2023	21,61,238
61	ANERT-TECH/187/2022-T2 dtd.08.11.2023	2,17,091
62	ANERT-TECH/187/2022-T2 dtd.17.11.2023	20,86,145
63	ANERT-TECH/187/2022-T2 dtd.18.11.2023	13,54,216
64	ANERT-TECH/187/2022-T2 dtd.18.11.2023	94,43,700
65	ANERT-TECH/187/2022-T2 dtd.18.11.2023	52,27,500
66	ANERT-TECH/187/2022-T2 dtd.20.11.2023	8,94,000
67	ANERT-TECH/187/2022-T2 dtd.24.11.2023	3,72,23,400
68	ANERT-TECH/187/2022-T2 dtd.25.11.2023	97,37,864
69	ANERT-TECH/187/2022-T2 dtd.25.11.2023	5,89,484
70	ANERT-TECH/187/2022-T2 dtd.25.11.2023	1,34,512
71	ANERT-TECH/187/2022-T2 dtd.30.11.2023	25,40,351
72	ANERT-TECH/187/2022-T2 dtd.5.12.2023	8,94,000
73	ANERT-TECH/187/2022-T2 dtd.13.12.2023	81,25,988
74	ANERT-TECH/187/2022-T2 dtd.14.12.2023	13,29,941
75	ANERT-TECH/187/2022-T2 dtd.16.12.2023	8,94,000
76	ANERT-TECH/187/2022-T2 dtd.27.12.2023	1,91,03,378
77	ANERT-TECH/187/2022-T2 dtd.28.12.2023	1,01,51,400
78	ANERT-TECH/187/2022-T2 dtd.19.12.2023	6,12,876
79	ANERT-TECH/187/2022-T2 dtd.30.12.2023	11,68,376


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Sl.No	UC Order Number	Amount(in INR)
80	ANERT-TECH/187/2022-T2 dtd.30.12.2023	20,09,886
81	ANERT-TECH/187/2022-T2 dtd.30.12.2023	23,17,500
82	ANERT-TECH/187/2022-T2 dtd.4.1.2024	2,16,789
83	ANERT-TECH/187/2022-T2 dtd.4.1.2024	5,56,482
84	ANERT-TECH/187/2022-T2 dtd.4.1.2024	8,38,518
85	ANERT-TECH/187/2022-T2 dtd.4.1.2024	6,09,000
86	ANERT-TECH/187/2022-T2 dtd.8.1.2024	10,78,820
87	ANERT-TECH/187/2022-T2 dtd.8.1.2024	5,62,85,640
88	ANERT-TECH/187/2022-T2 dtd.9.1.2024	1,16,07,600
89	ANERT-TECH/187/2022-T2 dtd.8.1.2024	17,27,000
90	ANERT-TECH/187/2022-T2 dtd.8.1.2024	17,27,000
91	ANERT-TECH/187/2022-T2 dtd.10.1.2024	18,27,000
92	ANERT-TECH/187/2022-T2 dtd.08.1.2024	4,13,000
93	ANERT-TECH/187/2022-T2 dtd.11.1.2024	25,37,512
94	ANERT-TECH/187/2022-T2 dtd.11.1.2024	5,53,284
95	ANERT-TECH/187/2022-T2 dtd.11.1.2024	95,61,798
96	ANERT-TECH/187/2022-T2 dtd.12.1.2024	6,56,254
97	ANERT-TECH/187/2022-T2 dtd.17.1.2024	8,61,633
98	ANERT-TECH/187/2022-T2 dtd.17.1.2024	65,500
99	ANERT-TECH/187/2022-T2 dtd.17.1.2024	11,66,962
100	ANERT-TECH/187/2022-T2 dtd.17.1.2024	9,23,382
101	ANERT-TECH/187/2022-T2 dtd.17.1.2024	33,64,196
102	ANERT-TECH/187/2022-T2 dtd.17.1.2024	5,03,785
103	ANERT-TECH/187/2022-T2 dtd.18.1.2024	16,76,400
104	ANERT-TECH/187/2022-T2 dtd.18.1.2024	4,47,000
105	ANERT-TECH/187/2022-T2 dtd.25.1.2024	6,96,000
106	ANERT-TECH/187/2022-T2 dtd.25.1.2024	5,80,492
107	ANERT-TECH/187/2022-T2 dtd.31.1.2024	15,01,297
108	ANERT-TECH/187/2022-T2 dtd.30.1.2024	12,00,884
109	ANERT-TECH/187/2022-T2 dtd.30.1.2024	16,44,190
110	ANERT-TECH/187/2022-T2 dtd.01.02.2024	58,27,698
TOTAL Payment recommendation		66,66,95,639


Aneesh S Prasad
 Chief Technical Manager
 ANERT


KRISHNA KUMAR S.
 General Manager (Operations)
 Smart City Thiruvananthapuram Ltd.
 (Under LS GD)