

# പതിനാലാം കേരള നിയമസഭ

## പതിനാറാം സമ്മേളനം

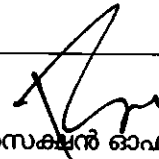
നക്ഷത്ര ചിഹ്നമിടാത്ത ചോദ്യം നമ്പർ : 6571

21.11.2019-ന് മറുപടിയ്ക്ക്

### തിരുവനന്തപുരം വലിയമല എൽ.പി.എസ്.സി.ക്ക് വേണ്ടി ഭൂമി ഏറ്റെടുക്കൽ

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<p>(എ) തിരുവനന്തപുരം ജില്ലയിൽ വലിയമല എൽ.പി.എസ്.സി. വികസനത്തിനു വേണ്ടിയുള്ള ഭൂമി ഏറ്റെടുക്കലിന്റെ ഭാഗമായി എസ്.ഐ.എ. പഠനത്തിനായി നിയോഗിച്ച ഏജൻസി ഏതാണെന്ന് വെളിപ്പെടുത്താമോ ;</p>	<p>(എ) തിരുവനന്തപുരം ജില്ലയിൽ വലിയമലയിൽ ഐ.എസ്.ആർ.ഐ/എൽ.പി.എസ്.സി. വികസനത്തിനുവേണ്ടിയുള്ള ഭൂമി ഏറ്റെടുക്കലിന്റെ ഭാഗമായി രാജഗിരി ഔട്ട് റീച്ച് എന്ന ഏജൻസിയെയാണ് സാമൂഹ്യ പ്രത്യാഘാത പഠനത്തിനായി നിയോഗിച്ചിരുന്നത്.</p>
<p>(ബി) പ്രസ്തുത ഏജൻസി ഭൂമി ഏറ്റെടുക്കലിൽ ന്യായമായ നഷ്ടപരിഹാരത്തിനും സുതാര്യതയ്ക്കും പുനരധിവാസത്തിനും പുനഃസ്ഥാപനത്തിനുമുള്ള അവകാശ നിയമത്തിലെ നാലാം വകുപ്പിന്റെ (എ) മുതൽ (എഫ്) വരെയുള്ള ഖണ്ഡങ്ങളിൽ നിർബന്ധമായും റിപ്പോർട്ട് ചെയ്യേണ്ട എല്ലാകാര്യങ്ങളെ സംബന്ധിച്ച് പഠനവും വിലയിരുത്തലും നടത്തി റിപ്പോർട്ടിൽ ചേർത്തിട്ടുണ്ടോയെന്ന് അറിയിക്കാമോ;</p>	<p>(ബി) ചേർത്തിട്ടുണ്ട്. എൽ.എ.ആർ ആക്ട്, 2013-ലെ 4-ാം വകുപ്പിന്റെ (a) മുതൽ (f) വരെയുള്ള കാര്യങ്ങളിൽ സാമൂഹ്യ പ്രത്യാഘാത പഠന ഏജൻസിയുടെ അഭിപ്രായങ്ങളും ശുപാർശകളും ചുവടെ ചേർക്കുന്നു.</p> <p>a) സാമൂഹ്യ പ്രത്യാഘാത വിലയിരുത്തൽ പഠന അന്തിമ റിപ്പോർട്ടിന്റെ ഖണ്ഡിക 11-ൽ പ്രതിപാദിച്ചിട്ടുണ്ട്.</p> <p>b) സാമൂഹ്യ പ്രത്യാഘാത വിലയിരുത്തൽ പഠന അന്തിമ റിപ്പോർട്ടിന്റെ ഖണ്ഡിക 4.2, പട്ടിക 4.2.1 ൽ വിവരിച്ചിട്ടുണ്ട്.</p> <p>c) സാമൂഹ്യ പ്രത്യാഘാത വിലയിരുത്തൽ പഠന അന്തിമ റിപ്പോർട്ടിന്റെ ഖണ്ഡിക 13, പട്ടിക 13.1 ഖണ്ഡിക 15, പട്ടിക 15.1 എന്നിവയിൽ വിവരിച്ചിട്ടുണ്ട്.</p> <p>d) സാമൂഹ്യ പ്രത്യാഘാത വിലയിരുത്തൽ പഠന അന്തിമ റിപ്പോർട്ടിന്റെ ഖണ്ഡിക 11, ഖണ്ഡിക 14 എന്നിവയിൽ വിവരിച്ചിട്ടുണ്ട്.</p> <p>e) സാമൂഹ്യ പ്രത്യാഘാത വിലയിരുത്തൽ പഠന അന്തിമ റിപ്പോർട്ടിന്റെ ഖണ്ഡിക 14-ൽ പ്രതിപാദിച്ചിട്ടുണ്ട്.</p> <p>f) സാമൂഹ്യ പ്രത്യാഘാത വിലയിരുത്തൽ പഠന അന്തിമ റിപ്പോർട്ടിന്റെ അധ്യായം 11-ൽ വിവരിച്ചിട്ടുണ്ട് (പകർപ്പുകൾ ഉള്ളടക്കം ചെയ്യുന്നു)</p>
<p>(സി) എങ്കിൽ ഓരോ കാര്യങ്ങളെ സംബന്ധിച്ച് അവരുടെ അഭിപ്രായവും ശിപാർശയും എന്തെല്ലാമെന്ന് വ്യക്തമാക്കാമോ;</p>	<p>(ഡി) പ്രിൻസിപ്പൽ സെക്രട്ടറി, റവന്യൂ വകുപ്പ്</p>
<p>(ഡി) പ്രസ്തുത റിപ്പോർട്ടും അത് പരിശോധിച്ച വിദഗ്ദ്ധസമിതിയുടെ റിപ്പോർട്ടും സർക്കാരിന്റെ ഏതുതലത്തിലുള്ള ഉദ്യോഗസ്ഥനാണ് അംഗീകരിച്ച് ഉത്തരവ് പുറപ്പെടുവിച്ചതെന്ന് വെളിപ്പെടുത്താമോ?</p>	<p>(ഡി) പ്രിൻസിപ്പൽ സെക്രട്ടറി, റവന്യൂ വകുപ്പ്</p>

  
 സെക്ഷൻ ഓഫീസർ

## CHAPTER 1

### EXECUTIVE SUMMARY

#### 1.1. Project and Public Purpose

Liquid Propulsion Systems Centre (LPSC) is the lead Centre for development and realization of earth-to-orbit advanced propulsion stages for Launch Vehicles and also the in-space propulsion systems for Spacecrafts functioning under Indian Space Research Organization (ISRO). LPSC activities and facilities are spread across its two campuses namely, LPSC, Valiamala, Thiruvananthapuram and LPSC, Bangalore, Karnataka.

The proposed project "Land Acquisition for Liquid Propulsion Systems Centre (LPSC) for ISRO at Valiamala, Thiruvananthapuram District" is for public purpose. Acquisition of additional land of about 67.68 acres adjacent to present LPSC Valiamala Campus is essential to develop the activities of the LPSC to meet the programmatic demands of ISRO in future. The development focused on the three main areas: (1) Development of propulsion systems for launchers with higher payload capacity (2) Development of advanced technologies for launch vehicles & satellites (3) Delivery of propulsion systems to meet enhanced annual launch rate.

As per the Kerala Gazette (Extra Ordinary) No.2277 dated September 4, 2018 and G.O. (P). No.56/2018/RD dated 03-9-2018; 67.68 acres land is proposed to be acquired for the development of Liquid Propulsion Systems Centre (LPSC) for ISRO at Valiamala in Karipoor Village, Nedumangad Municipality, Thiruvananthapuram District.

#### 1.2. Location

Village	:	Karipoor
Taluk	:	Nedumangad
Municipality	:	Nedumangad
District	:	Thiruvananthapuram

**Map of Proposed Land for Acquisition**

**4.2 Entire area of impact under the influence of the project**

141 families who own the affected land would be considered as the directly affected families of the project. Details of 32 owners whose housing properties are affected are given below:

**Table 4.2.1. Details of owners whose housing properties are affected**

Sl.No.	Owners	Survey No	Impact
1.	Ratheesh R	248/12-1	Terrace, building, well
2.	Rajan	248/12	Sheeted house, toilet, 2- sheeted cattle sheds
3.	RosammaMuthal Per	248/5	Sheeted house, toilet, well, septic tank, sheeted fire wood shed
4.	Haris	248/6	Sheeted building (2room only)
5.	Thankachi	245/6	Mud shed made of tin sheet, well
6.	Joseph	244/1	Sheeted house(small)
7.	Sebastain	244/2	Tiled house, well
8.	S/O Damodharan- Kumar		Terrace house, tiled house
9.	Pramod	30/13	Terrace house, well
10.	D/O Jakathamma - Ambika(W/O Mohan Kumar)	30/14	Terrace house, concrete toilet, toilet, well
11.	Sajeev Kumar	29/3	Two floriad house, boundary wall, DR foundation 10m, asbestos sheet house, well, cattle shed
12.	Ravindran	29/6	Terrace house, well, sheeted shed, building with 2room concrete
13.	Aneesh	29/10	Well, asbestos sheet house
14.	SheelaKumari	29/11	Sheeted house
15.	Saritha W/O Shanmukhavelu	29/12	Sheeted house
16.	Krishnapillai	28/18	Sheeted old building
17.	Satyaneshan	28/23	Terraced house(small)
18.	Lissy George	28/24	Terraced house(small)
19.	Shobha W/O Mohanan	28/25	Terraced house(small)
20.	Joseph Francis	28/26	Terraced house(small)
21.	Madhu	31/5	Two floriad house
22.	Bindhu	31/5	Tiled house
23.	Sudharshan	31/6	Terraced house, mud shed made of tin sheet, cattle shed, well
24.	Nagesh Kumar	30/7	Terraced house, boundary wall, extended roofing

25.	Akhilesh Kumar	30/8	Terraced house
26.	Raju	30/9	Terraced one room, sheeted house, well
27.	Gopinadhan	30/10	Sheeted house, well
28.	Harikumar	30/16	Sheeted house, well, bathroom, toilet
29.	Neshamma D/O Rajamma W/O Mohanan	30/17	Terraced house, well, sheet extended sheeted kitchen, bathroom
30.	Sreekala W/O Viswambaran	30/20	Terraced house, roofing above
31.	Akhilesh Kumar	30/21	Terraced house
32.	Valsala W/O Pushkaran	30/22	Terraced house, roofing above

*Table 4.2.2 Possible Impacts of the Project*

Sl. No.	Impact	No. of Affected
1	Loss of land	141
2	Affected residence	32
3	Loss of Livelihood	68

Besides the above explained impacts lots of trees have to be cut down for the implementation of the project.

#### Affected Houses



### 1.3. Size and Attributes of Land Acquisition

Acquisition of about 67.68 acres land adjacent to LPSC, Valiamala Campus in the Kariipoor Village in Nedumangad is required for the development of Liquid Propulsion Systems Centre (LPSC) for ISRO. The land is both wet land and dry land category belongs to 141 survey numbers and presently used for residential and agricultural purposes. The resurvey numbers and approximate extent of land to be acquired is explained below.

*Table 1.3.1 Extent of Land Acquisition*

Sl. No.	Resurvey No/Subdivision No	Approximate Extent of acquisition in Hectors
1.	30/13	2.2
2.	30/14	2.15
3.	30/16	1.15
4.	30/17	1.35
5.	28/3,7,9,10,11	35.6,33,11.7,0.9,5.7
6.	28/20,24	1.2,1.8
7.	28/22	0.4
8.	31/2	1.4
9.	30/10	14.75
10.	30/18,21	1.05,2.25
11.	30/22-1	12.15
12.	30/22	12.15
13.	28/12	1.5
14.	28/13	3.5
15.	28/23	1.7
16.	29/7	9
17.	29/8	28.5
18.	29/10	26
19.	29/11	3.3
20.	29/12	17.3
21.	29/12-1	17.3
22.	29/12-2,12-4	17.3,17.3
23.	29/12-3	17.3
24.	29/12-5	17.3
25.	29/13	12.7
26.	29/14	31
27.	29/15	32.4
28.	29/15	32.4
29.	31/4	8
30.	31/5,31/13	16.1,2.4
31.	31/5-1	16.1

32.	31/6	23.2
33.	31/6	23.2
34.	31/6,31/10	23.2,5.4
35.	30/2	15.25
36.	30/3	16.15
37.	30/11	4.2
38.	30/19	1.05
39.	30/20	2.15
40.	31/3,28/5,31/15	6.2,6.8,5.1
41.	28/8	2
42.	28/14	1.2
43.	28/15,29/4	1.2,7.1
44.	28/16,29/2,29/3	5,11,45.4
45.	28/21	10.2
46.	29/5	4.2
47.	31/1	7.6
48.	31/7	12.3
49.	31/7-1,31/17	12.3,3.6
50.	31/8,31/16	8,31.4
51.	31/9	5.6
52.	31/14	5.1
53.	31/18	21.25
54.	248/5	
55.	29/3	
56.	29/6	
57.	29/10	
58.	29/11	
59.	29/12	
60.	248/7	30.4
61.	248/9	24.8
62.	248/10	25.2
63.	248/13	9.6
64.	248/7	30.4
65.	250/23,269/25,271/5	18.5,7,3.05
66.	250/23	18.5
67.	269/15	30.6
68.	269/15	30.6
69.	269/15,25	30.6,7
70.	270/5	29.25
71.	270/4	1.25
72.	270/16	20.2
73.	269/22	1.3
74.	245/7	4.2
75.	245/8	39
76.	245/9	91.6
77.	245/25	
78.	245/18,20,22,23	3.95,28.5,0.55,51

79.	247/1	04.18.40
80.	247/7,247/8	
81.	247/2	
82.	247/6	
83.	247/3,9,10	04.18.40
84.	247/12,5	04.18.40
85.	247/13	
86.	247/14	
87.	247/15	
88.	247/4,11	
89.	248/1,5,2,249/7,2	01.02.00,01.03.20,22.8,23.45,9.1
90.	248/3,5,249/3,9	9.1,01.3.20,7.85,23.5
91.	249/6	39.4
92.	248/8	25.45
93.	249/10	12
94.	249/16	24.5
95.	249/2,17	65.8,65.8
96.	249/10	12
97.	250/107,271/7,270/17	30.5,4.05,2.3
98.	270/6	14.7
99.	245/6	19.5
100.	245/19	41
101.	245/21	2.4
102.	245/17	9
103.	245/17	
104.	245/5	5.5
105.	248/5	1.03.20
106.	248/6	1.22
107.	248/11	4.8
108.	248/12	16.8
109.	248/12-1	16.8
110.	248/7	30.4
111.	249/1	6.45
112.	249/2	65.8
113.	249/14,244/3,2	10.1,03.09.60
114.	249/15	10.7
115.	249/18	65.8
116.	249/16	24.5
117.	249/16	10.8
118.	270/19	5.5
119.	270/20	5.25
120.	270/18	7.25
121.	270/6,271/25	13.2,12.8
122.	271/7	4.05
123.	271/8	3.5
124.	271/9,11,15,17	3.05,5.8,7.35,3.85
125.	271/10,12,20,270/14	6.25,2.55,2.5.1

126.	271/19	1.9
127.	271/22	3.85
128.	271/30	4.8
129.	271/4	6.4
130.	271/26	7.75
131.	244/1	18.8
132.	244/2	4.3
133.	244/3	03.09.60
134.	244/3-1,244/4,244/4	03.09.60,14.98,14.95
135.	244/5	03.09.60
136.	244/6	03.09.60
137.	244/7,244/7-1	
138.	244/8	
139.	249/4	8.4
140.	249/11,13,250/1	2.65,6.25,5.38
141.	250/2	5.3

*Table 1.3.2 Type of Land*

Purayidam	74
Nilam	50
Nilam Nikathu Purayidam	9
Information not available	10
<b>Total</b>	<b>143</b>

In total the land of 141 families will be acquired for the project; among them 131 families were surveyed by the SIA unit. The table 1.3.2 explains that out of 131 affected families studied, land of the 74 families is coming under the category of "Purayidam", land of the 50 families are "Nilam" Category, 9 families are "Nilam Nikathu Purayidam" Category and the information was not received from the rest of the 10 families.

#### 1.4 Alternatives considered

No other alternatives are to be considered, since the required land is situated near to the present Liquid Propulsion Systems Centre (LPSC) for ISRO, Valiamala Campus in Karipoor Village in Thiruvananthapuram District.

#### 1.5 Social Impact

141 families are the directly affected families of the project since they are losing their land. The SIA unit could survey only 131 families. 32 families will be displaced from the project affected area. During the survey 68 families shared that they are depending



on the affected land for their livelihood which will lose due to the project. Out of the 131 families studied, 91 families shared that the affected land is their ancestral property and they have no other land to hand over for their heirs. Many of them shared their emotional attachment to the ancestral land which may be considered as a social impact.

Agricultural labours working in the project affected area for more than 3 years and the 3 families living on rental basis in the affected area for more than 3 years should be considered as the indirectly affected families of the project.

Further the area is now in a developing stage and the people are enjoying quick access to their necessities. So the families are anxious about whether they get enough compensation to buy another land and house in municipal limits.

Lots of trees around 913 coconut trees, 2148 rubber, 979 mahagani, 306 mango trees, 149 jack fruit trees, 2etti, 35 teak etc. have to be cut down for the project. Agriculture of the 91 families will be affected who are doing rubber and coconut cultivation there. The table below will give a clear picture on the possible social impacts of the project

**Table 1.5.1. Analysis of the Various Possible Social Impacts of the Project**

Sl. No	Type of Impact	Status
1	Loss of Land	141 families will lose their land
2	Loss of Built-up Property	32 houses and its related infrastructures including one family tomb will be affected.
3	Displacement	32 families will be displaced.
4	Loss of Trees	913 Coconut trees, 322 Areacanut, 9 Tamarind, 4 Seethapazham, 2148 Rubber, 8 Coco, 16 Kappi, 586 Pineapple, 136 Pepper, 22Pappaya, 89 Guava, 979 Mahagony, 35 Teak, 22 Neem, 1020Plumber, 459Kaitha, 306 Mango tree, 2 Etti, 211 Anjili, 3Perumaram, 4 Aryavep, 149 Jack fruit, 15 nutmeg
5	Loss of agriculture	91 families will lose their agriculture
6	Loss of Livelihood	68 families are depending on agriculture and their livelihood will be affected.

Besides the above mentioned social impacts, affected families, LSG representatives and the MIA raised the issue in public hearing that people are facing difficulties for the last 5 years due to the delay in land acquisition. They cannot mortgage their land to meet their needs and the village office is not taking land tax.

*Note: The above data is arrived as per the information provided by the respondents during the Survey and Public Hearing. Supporting documents need to be verified during land acquisition.*

#### **1.6. Mitigation Measures**

The policy vide G.O.(Ms) No.448/2017/RD dated 29/12/2017 issued by Revenue(B) Department, Government of Kerala for the rehabilitation and resettlement package for acquisition of land in the state in lieu of RFCT LARR Act 2013 will be applicable to the land acquisition for the Liquid Propulsion Systems Centre (LPSC) for ISRO in Thiruvananthapuram District.

**CHAPTER 11**  
**ANALYSIS OF COSTS AND BENEFITS AND**  
**RECOMMENDATION ON ACQUISITION**

**11.1 Final conclusions on assessment of public purpose, less displacing alternatives, minimum requirements of land, the nature and intensity of social impacts, and viable mitigation measures will address costs**

The proposed land acquisition for the Liquid Propulsion Systems Centre (LPSC) for ISRO at Valiamala, Thiruvananthapuram District falls under the definition of "Public Purpose" under the RTFCTLARR Act, 2013, Section 2(vi), for the purpose of develop the activities of the LPSC to meet the programmatic demands of ISRO in future.

141 families who own the affected land would be considered as the directly affected families of the project. While conducting the Social Impact Assessment, the SIA team observed that the proposed land is using for agriculture purpose by 91 families, 32 families residing in the area will lose their residence and 68 families shared that they lose livelihood. Therefore, since there is displacement involved, there is requirement of Rehabilitation & Resettlement process and thus mitigation measures need to be considered for the same. Besides these impacts many trees will be affected by the project.

**11.2 The above analysis will use the equity principle as a framework of analysis for presenting a final recommendation on whether the acquisition should go through or not.**

***Recommendations***

- The proposed land acquisition for the development of LPSC for ISRO, Valiamala is recommended based on the compensation and resettlement as per the Rehabilitation and Resettlement Policy issued by Revenue (B) Department, Government of Kerala vide G.O. (Ms)No.448/2017/RD dated 29/12/2017, for the rehabilitation and resettlement package for acquisition of land in the state in lieu of RFCTLARR Act 2013, considering all loss due to the land acquisition.


- Reconsider the request of affected parties to acquire the remaining land in the affected area.
- Reinstall livelihood opportunities for the affected families or consider deserving family members for the possible job opportunities in the project.
- Displaced families for the project should be treated with priority.
- MLA, LSG representatives and affected families shared that they cannot avail loan to meeting the expenses of their children's education, marriage etc since they cannot mortgage their land and the village office refuse to take land tax for the last 5 years. Hence recommending speedy action in further procedures.

## REFERENCES AND ANNEXURES

### *References*

- ISRO website

Annexure falls in the appendix pages.

  
Omavendran B. S. S. S.