



**GOVERNMENT OF KERALA**

**Abstract**

Revenue Department - The Sand Auditing report of Pamba river (Part-I) - Approved - Orders issued.

**REVENUE (P) DEPARTMENT**

**G.O.(Rt)No.1858/2020/RD** Dated,Thiruvananthapuram,  
20/05/2020

Read 1 GO(Ms)No.254/2019/RD dated 24.01.19.

2 Letter no. ILDM/374/2019/E1 dated 18.03.2020  
from the Director, ILDM.

**ORDER**

The Sand Auditing of Pamba river (Part-I) has been entrusted to the Cosultancy group for Research and Forecasting (C-Graf), Department of Future Studies, University of Kerala, Thiruvananthapuram based on GO read as 1st Paper above. They have carried out the Sand Auditing of Pamba river (Part-I) based on the Standard Guidelines provided by the River Management Centre of Institute of Land and Disaster Management. The river is flowing through Pathanamthitta and Alappuzha districts. The Expert Committee Meeting held at ILDM has evaluated the draft report presented by C-Graf and recommended its final submission.

The Sand Auditing of Pamba river (Part-I) was conducted from Chethonkara Athikayam Road Bridge to Haripad-Veeyapuram Road Bridge for a length of 60km in Pathanamthitta and Alappuzha districts. The Pamba river (PART-I) flows through Pathanamthitta and Alappuzha districts. As part of the Sand Auditing, cross sections are taken at 297 locations within the 29.7km river stretch in Pamba river (PART-I) with an average of interval of 100m.

Naranmoozhi, Ranni-Perunadu, Vadaserikkara, Ranni, Pazhayangadi, Angadi, Cherukolpuzha, Ayroor, Kozhenchery, Thottapuzhassery, Mallapuzhasseri and Aranmula Panchayaths of Pathanamthitta district are located at either banks of the river within the stretch.

The total volume of sand available in Pamba river is



estimated as 5429249 m<sup>3</sup>. As per the Sand Audit Report, mineable sand is available in 10 Panchayaths. The Panchayath wise volume of sand availability and the mineable sand availability in Pamba river (Part-I) is detailed below.

SL No.	Name of Panchayath	District	Volume of Total Sand (m <sup>3</sup> )	Volume of Mineable Sand (m <sup>3</sup> ) for 3years
1.	Naranmoozhi	Pathanamthitta	NIL	NIL
2.	Ranni-Perunadu	Pathanamthitta	121132.02	13240.96
3.	Vadaserikkara	Pathanamthitta	587189.88	77854.52
4.	Ranni	Pathanamthitta	541839.49	40773.69
5.	Pazhayangadi	Pathanamthitta	247236.17	10821.49
6.	Angadi	Pathanamthitta	288282.08	29952.20
7.	Cherukolpuzha	Pathanamthitta	799983.34	69685.16
8.	Ayroor	Pathanamthitta	1105275.59	129424.46
9.	Kozhenchery	Pathanamthitta	831444.08	175537.45
10.	Thottapuzhassery	Pathanamthitta	716509.29	127535.02
11.	Mallapuzhasseri	Pathanamthitta	164969.92	11736.88
12.	Aranmula	Pathanamthitta	25387.54	NIL
	Total		5429249.40	686561.81

Government have examined the Sand Audit report of Pamba river (Part I) and approved as above.

Chapter III, Section 12 of the Kerala Protection of River Banks and Regulation of Removal of Sand Act, 2001 and Section 29 of the Kerala Protection of River Banks and Regulation of Removal of Sand Rules, stipulate conditions for the sand removal operations for protection of river banks and bio-physical environment systems of the river. Accordingly, the District Collector Pathanamthitta is directed to accord sanction for sand mining in Pamba river (Part-I) for the coming three years with effect from the date of this order. Apart from this, the following conditions shall also be complied with.

1) The sand shall be mined only in a phased manner.



2)The mineable sand quantity shall be revised based on the subsequent sand audit only.

The responsibility of implementing this order flawlessly rests with the District Collector, Pathanamthitta who shall meticulously take action to see that all instructions of the Government in this regard are implemented strictly and no unauthorised mining of sand or environmental degradation is allowed to happen.

The District Collector, Pathanamthitta shall, in turn, furnish the action taken report with regard to this, to Government Periodically.

(By order of the Governor)

**BENCY J**  
**ADDITIONAL SECRETARY**

The Commissioner, Land Revenue, Thiruvananthapuram.

The District Collector, Pathanamthitta.

The Director, ILDM, PTP Nagar, PTP Nagar PO,  
Thiruvananthapuram.

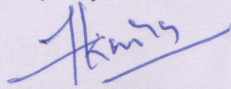
The Principal Accountant General (Audit), Kerala,  
Thiruvananthapuram.

The Accountant General (A & E), Kerala,  
Thiruvananthapuram

I& PRD(Web and New Media)

SF / O.C.

Forwarded /By order

  
Section Officer





GOVERNMENT OF KERALA  
Abstract

Revenue Department – Sand Audit Report of Achankovil River- Approved- Orders issued.

**REVENUE (P) DEPARTMENT**

G.O (Ms) No.350/2017/RD

Dated, Thiruvananthapuram, 21 .10.2017

- Read:
- 1 GO(Ms) No 161/11/RD, dated 02/04/2011.
  - 2 GO(Rt) No.3001/2011/RD, dated 13/07/2011.
  - 3 GO(Ms) No.161/12/RD, dated 21/04/2012.
  - 4 GO(Ms) No.188/12/RD, dated 05/05/2012.
  - 5 GO(MS) No.338/12/RD, dated 12/09/12.
  - 6 Letter No LR(K1) 46214/2014 dated 12/07/17 from the Land Revenue Commissioner, Thiruvananthapuram.

**ORDER**

Government, as per orders read as first, second, third and fourth papers above, have accorded sanction for conducting River Bank Mapping and Sand Auditing of 20 rivers of the State. Kerala River Bank Protection and Regulation of Removal of Sand Rules, Clause 19(2) necessitates the determination of quantity of sand to be extracted from each kadavu on the basis of Sand Auditing report. The task of conducting Sand Auditing was entrusted to different agencies.

Now, the Land Revenue Commissioner as per letter read as 6<sup>th</sup> paper above has forwarded the sand auditing report pertaining to Achankovil River. The Sand Audit Report of the said river has been conducted by the Musaliar College of Engineering and Technology under the technical guidance of River Management Cell and has been scrutinised and verified by National Centre for Earth Science Studies(NCESS).

On completion of the sand auditing survey at Achankovil river, mineable sand deposit was mainly found in Aruvappulam Panchayath and Konni Panchayath of



the Pathanamthitta district whereas in Alappuzha district, there is no sand deposit. The sand auditing survey shows that Aruvappulam Panchayath has a mineable quantity of sand of 29417.9 cubic metres of sand and Konni Panchayath has a sand deposit of 325 cubic metres of sand.

The description with regard to the mineable quantity of sand in respective Local bodies in Pathanmthitta district is as shown below:

SI No	Name of Local Bodies	Mineable Quantity of Sand (M3)
1	Aruvappulam	29417.9
2	Konni	325
3	Pramadom	0
4	Malayalapuzha	0
5	Pathanamthitta Municipality	0
6	Omalloor	0
7	Vallikode	0
8	Chenneerkara	0
9	Thumpamon	0
10	Kulanada	0
11	Pandalam	0
12	Venmony	0
	<b>TOTAL QUANTITY</b>	<b>29742.9</b>

The description with regard to the mineable quantity of sand in respective Local bodies in Alappuzha district is as shown below:

SI No	Name of Local Bodies	Mineable Quantity of Sand (M3)
1	Nooranadu	0
2	Venmony	0
3	Thazhakkara	0



4	Cheriyannadu	0
5	Puliyoor	0
6	Budhanoor	0
7	Mavelikara Municipality	0
8	Chennithala-Thrippurunth	0
9	Chettikulagara	0
10	Pallippad	0
11	Veeyapuram	0
12	Haripad Municipality	0
	<b>TOTAL QUANTITY</b>	<b>0</b>

Government have examined the sand audit report of Achankovil river and approved as above.

Chapter III, Section 12 of the Kerala Protection of River Banks and Regulation of Removal of Sand Act, 2001 and section 29 of the Kerala Protection of River Banks and Regulation of Removal of Sand Rules, stipulates conditions for the sand removal operations for protection of river banks and bio-physical environment systems of the river. Accordingly the District Collector, Pathanamthitta is directed to accord sanction for sand mining in Achankovil river for the coming three years subject to obtaining environmental clearance from the authorities concerned with effect from the date of this order.

Apart from this, the following conditions shall also be complied with.

- 1)The sand shall be mined only in a phased manner only after obtaining the environmental clearance.
- 2)The mineable sand quantity shall be revised based on the subsequent sand audit only.

The responsibility of implementing this order flawlessly rests with the District Collectors, Pathanamthitta and Alapuzha who shall meticulously take action to see that all instructions of the Government in this regard are implemented strictly and no unauthorised mining of sand or environmental degradation is allowed to happen.



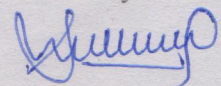
The District Collectors shall, in turn, furnish the action taken report with regard to this to Government periodically.

By Order of the Governor,  
P.H.KURIAN  
Additional Chief Secretary to Government.

To

The Commissioner, Land Revenue, Thiruvananthapuram.  
The District Collector, Pathanamthitta.  
The Director, Institute of Land and Disaster Management, PTP Nagar PO,  
Thiruvananthapuram.  
The Principal Accountant General (Audit), Kerala,  
Thiruvananthapuram.  
The Accountant General (A & E), Kerala, Thiruvananthapuram  
I & PRD (Web and New Media) (for wide publication)  
~~Stock~~ File / O.C.

Forwarded / By order



Section Officer

Copy to:- PS to Hon'ble Minister (Revenue).  
P.A to Additional Chief Secretary (Revenue).





## GOVERNMENT OF KERALA

### Abstract

Revenue Department -Sand Auditing Report of Manimala river -  
Approved - Orders issued

### REVENUE (P) DEPARTMENT

G.O.(Rt)No.3749/2020/RD

Dated,Thiruvananthapuram,  
30/11/2020

- Read 1. GO (MS) No.269/2017/RD dated 09.08.2017  
2 GO (MS) No. 355/2017/RD dated 24.10.17  
3 Letter no. ILDM/1549/2017/E1 dated 23.09.2020 from the  
Director, ILDM.

### ORDER

The Sand Auditing of Manimala river has been entrusted to the Department of Geography, University College, Thiruvananthapuram as per GO read as 1st and 2nd Paper above. They have carried out the Sand Auditing of Manimala river based on the Standard Guidelines provided by the River Management Centre of ILDM. The data and draft reports submitted by Department of Geography, University College, Thiruvananthapuram at various stages of the work were scrutinised and verified by the River Management Centre of ILDM. The Expert Committee Meeting held at ILDM on 11.09.2020 has evaluated the draft report presented by Department of Geography, University College, Thiruvananthapuram and recommended its final submission.

The task of conducting Sand Auditing of Manimala river covered 38 kms from Manimala Bridge to Kuttoor Bridge. The river is flowing through both Kottayam and Pathanamthitta districts. As part of the Sand Auditing, cross sections are taken at 186 locations within the 38 km river stretch in Manimala river with an average of interval of 204 m. Manimala and Vellavoor Panchayaths of Kottayam district, Kottangal, Anikkad, Mallappally, Puramattom, Kallappara, Eraviperoor and Kaviyoor Panchayaths of Pathanamthitta district are the local bodies located on either banks of the Manimala river.

The total volume of sand available in Manimala river is



22,264.81m<sup>3</sup>. Mineable sand is available in 7 Panchayaths and the volume of total mineable sand is estimated as 4,42,820.91m<sup>3</sup>.

The Panchayath wise volume of total sand availability and mineable sand availability in Manimala river is provided in the table given below.

SLNo.	Name of Panchayath	District	Volume of Total Sand (m <sup>3</sup> )	Volume of Mineable Sand (m <sup>3</sup> ) for 3 years
1.	Manimala	Kottayam	24612.25	17432.56
2.	Vellavoor	Kottayam	104760.19	69295.70
3.	Kottangal	Pathanamthitta	121302.76	93017.96
4.	Anikkad	Pathanamthitta	43425.14	43425.14
5.	Mallappally	Pathanamthitta	133307.73	91602.89
6.	Puramattom	Pathanamthitta	80196.09	60574.31
7.	Kallooppara	Pathanamthitta	100958.97	67472.36
8.	Eraviperoor	Pathanamthitta	7614.70	NIL
9.	Kaviyoor	Pathanamthitta	6086.97	NIL
	<b>TOTAL</b>		<b>622264.81</b>	<b>442820.91</b>

Government have examined the Sand Audit report of Manimala river and approved as above. Chapter III, Section 12 of the Kerala Protection of River Banks and Regulation of Removal of Sand Act, 2001 and Section 29 of the Kerala Protection of River Banks and Regulation of Removal of Sand Rules, stipulates conditions for the sand removal operations for protection of river banks and bio-physical environment systems of the river. Accordingly, the District Collectors, Kottayam and Pathanamthitta are directed to accord sanction for sand mining in Manimala river for the coming three years with effect from



the date of this order. Apart from this, the following conditions shall also be complied with.

- 1)The sand shall be mined only in a phased manner.
- 2)The mineable sand quantity shall be revised based on the subsequent sand audit only.

The responsibility of implementing this order flawlessly rests with the District Collectors of Kottayam and Pathanamthitta who shall meticulously take action to see that all instructions of the Government in this regard are implemented strictly and no unauthorised mining of sand or environmental degradation is allowed to happen. They are responsible to see further actions in this regard are carried out smoothly.The District Collectors shall, in turn, furnish the action taken report with regard to this to Government Periodically.

(By order of the Governor)

**BENCY J**

**ADDITIONAL SECRETARY**

The Commissioner, Land Revenue, Thiruvananthapuram.

The Director, ILDM, PTP Nagar, PTP Nagar PO, Thiruvananthapuram-38.

The District Collectors - Kottayam and Pathanamthitta.

The Principal Accountant General (Audit), Kerala, Thiruvananthapuram.

The Accountant General (A & E), Kerala, Thiruvananthapuram

I& PRD(Web and New Media)

SF/OC

Forwarded /By order

Signature valid

Digitally signed by Kadeeja A A

Date: 2020.12.23 14:04:29 IST

Reason: Approved

Section Officer