

15 -ാം കേരള നിയമസഭ

2 -ാം സമ്മേളനം

നക്ഷത്ര ചിഹ്നം ഇല്ലാത്ത പോദ്യം നം. 4358

09-08-2021 - ൽ മറുപടിയ്ക്ക്

റിവർ ബാങ്ക് മാപ്പിങ്ങും സാൻറ് ഓഡിറ്റിങ്ങും

ചോദ്യം		ഉത്തരം	
ശ്രീ എൻ എ നെല്ലിക്കുന്ന്		Shri. K. Rajan (റവന്യൂ ഭവനനിർമ്മാണ വകുപ്പ് മന്ത്രി)	
(എ)	കാസർഗോഡ് ജില്ലയിലെ പ്രധാന നദിയായ പയസിനി അഥവാ ചന്ദ്രഗിരിപ്പുഴയുടെ റിവർ ബാങ്ക് മാപ്പിങ്ങും സാൻഡ് ഓഡിറ്റിങ്ങും ആരംഭിച്ചതും അവസാനിച്ചതും എപ്പോഴാണെന്ന് വ്യക്തമാക്കാമോ;	(എ)	കാസർഗോഡ് ജില്ലയിലെ പ്രധാന നദിയായ പയസിനി അഥവാ ചന്ദ്രഗിരിപ്പുഴയെ 2 ഭാഗങ്ങളായി തിരിച്ചാണ് റിവർ ബാങ്ക് മാപ്പിംഗും, സാൻഡ് ആഡിറ്റിംഗും നടത്തിയിട്ടുള്ളത്. ചന്ദ്രഗിരി പാർട്ട്-1 - ന്റെ സാൻറ് ആഡിറ്റിംഗ്, റിവർബാങ്ക് മാപ്പിംഗ് 21.04.2012-ലെ G.O (Ms) No.161/2012/RD നമ്പർ സർക്കാർ ഉത്തരവ് പ്രകാരം ആരംഭിക്കുകയും അതിൽ സാൻഡ് ഓഡിറ്റിങ്ങ് 06/06/2015-ലെ G.O(Ms) No.228/2015/RD നമ്പർ സർക്കാർ ഉത്തരവ് പ്രകാരവും റിവർ ബാങ്ക് മാപ്പിംഗ് മാർച്ച് 2015-ലും പൂർത്തീകരിച്ചിരുന്നു. ചന്ദ്രഗിരി പാർട്ട്-2ന്റെ സാൻറ് ആഡിറ്റിംഗ്, റിവർ ബാങ്ക് മാപ്പിംഗ് എന്നിവ 24.10.2017-ലെ G.O(Ms) No.355/2017/RD നമ്പർ സർക്കാർ ഉത്തരവ് പ്രകാരം ആരംഭിക്കുകയും, അതിൽ സാൻറ് ആഡിറ്റിംഗ്, 18.06.2020-ലെ G.O (Rt) No.2223/2020/RD നമ്പർ സർക്കാർ ഉത്തരവ് പ്രകാരം പൂർത്തീകരിക്കുകയും ചെയ്തു. പ്രസ്തുത പുഴയുടെ റിവർ ബാങ്ക് മാപ്പിംഗ് അന്തിമ ഘട്ടത്തിലാണ്.
(ബി)	ഇതിനു നേതൃത്വം നൽകിയ ടീം ഏതാണെന്ന് വ്യക്തമാക്കാമോ;	(ബി)	തിരുവനന്തപുരം ജില്ലയിലെ ഭാരത് സേവക് സമാജ് എന്ന സ്ഥാപനമാണ് ചന്ദ്രഗിരിപ്പുഴയുടെ റിവർ ബാങ്ക് മാപ്പിംഗും, സാൻറ് ആഡിറ്റിംഗും ഐ.എൽ.ഡി.എം-ലെ റിവർ മാനേജ്മെന്റ് സെന്ററിന്റെ മാർഗ്ഗ നിർദ്ദേശ പ്രകാരം നടത്തിയിട്ടുള്ളത്.
(സി)	പ്രസ്തുത നദിയുടെ റിവർ ബാങ്ക് മാപ്പിങ്ങും, സാൻറ് ഓഡിറ്റിങ്ങും നടന്നിരുന്നോ എന്ന് വ്യക്തമാക്കാമോ;	(സി)	1. ചന്ദ്രഗിരി (പാർട്ട്-1)-ന്റെ സാൻറ് ആഡിറ്റിംഗ് കാനത്തൂർ-എരിഞ്ഞിപ്പുഴ-കുട്ടികോളെ റോഡ് ബ്രിഡ്ജ് (ബേഡഡുക്ക പഞ്ചായത്ത്) മുതൽ നൈമാർമൂല-പെരുമ്പള്ള കടവ് വരെയുള്ള 21 കി.മീ. ചന്ദ്രഗിരി (പാർട്ട്-1)-ന്റെ റിവർ ബാങ്ക്

			<p>മാപ്പിംഗ് പ്ലാനിംഗ് പാലം മുതൽ (ദേലംപാടി പഞ്ചായത്ത്) മുതൽ നൈമാർമൂല-പെരുമ്പള്ളി കടവ് വരെയുള്ള 38.8 കി.മീ 2. ചന്ദ്രഗിരി (പാർട്ട്-2) ന്റെ സാൻറ് ആഡിറ്റിംഗ് കാസർഗോഡ് ജില്ലയിലെ വാവടക്കം പാലം മുതൽ പയസ്വിനി പുഴയിൽ ചേരുന്നതു വരെയുള്ള 20 കി.മീ ചന്ദ്രഗിരി (പാർട്ട്-2) ന്റെ റിവർബാങ്ക് മാപ്പിംഗ് പാലത്തു പാലം മുതൽ പയസ്വിനി പുഴയിൽ ചേരുന്നതു വരെയുള്ള 47 കി.മീ എന്നീ 2 ഭാഗങ്ങളായി ചെയ്തിട്ടുണ്ട്.</p>
(ഡി)	<p>റിവർ ബാങ്ക് മാപ്പിംഗ് എന്നത് കൊണ്ടുദ്ദേശിക്കുന്നതെന്താണെന്ന് വ്യക്തമാക്കാമോ;</p>	(ഡി)	<p>നദീതീര ജൈവ ഭൗതിക വ്യവസ്ഥയുടെ തത്സ്ഥിതി സംബന്ധിച്ച വിവരശേഖരണമാണ് റിവർ മാപ്പിംഗിലൂടെ ഉദ്ദേശിക്കുന്നത്. നദീതീരത്തെ ഭൗതിക പ്രത്യേകതകൾ, ഭൂപ്രകൃതി പ്രത്യേകതകൾ, ഭൂനിയോഗ വിവരങ്ങൾ, മനുഷ്യനിർമ്മിതികൾ എന്നിവ സംബന്ധിച്ച വിവരങ്ങൾ കമ്പ്യൂട്ടർ തലത്തിൽ ശേഖരിച്ച് ഡിജിറ്റൽ ഭൂപടങ്ങൾ തയ്യാറാക്കുന്ന പ്രവർത്തനം ഇതിലുൾപ്പെടുന്നു.</p>
(ഇ)	<p>പ്രസ്തുത പുഴയിലെ മണലിന്റെ ലഭ്യതയെക്കുറിച്ച് എന്താണ് റിപ്പോർട്ടിൽ പരാമർശിച്ചിരുന്നതെന്ന് വ്യക്തമാക്കാമോ; റിപ്പോർട്ടിന്റെ പകർപ്പ് ലഭ്യമാക്കാമോ;</p>	(ഇ)	<p>ചന്ദ്രഗിരി, പാർട്ട്-1-ന്റെ സാൻറ് ആഡിറ്റിംഗ് റിപ്പോർട്ടിൽ നിയമാനുസൃതം ഖനനം നടത്താവുന്ന മണൽ ലഭ്യത ഇല്ല എന്നുള്ളതാണ് പ്രധാന കണ്ടെത്തൽ. ചന്ദ്രഗിരി, പാർട്ട്-2-ന്റെ റിപ്പോർട്ട് പ്രകാരം നിയന്ത്രിത അളവിൽ ഖനനം നടത്താവുന്ന മണൽ ലഭ്യത കണ്ടെത്തിയിട്ടുണ്ട്.</p>
(എഫ്)	<p>സാൻറ് ഓഡിറ്റിംഗ് നടക്കാത്ത എത്ര കടവുകൾ കാസർഗോഡ് ജില്ലയിൽ ഉണ്ട്; ഇവിടങ്ങളിലെ സാൻറ് ഓഡിറ്റിംഗ് നടപടികൾ എപ്പോൾ പൂർത്തിയാക്കുമെന്ന് വ്യക്തമാക്കാമോ?</p>	(എഫ്)	<p>കടവിന്റെ അടിസ്ഥാനത്തിലല്ല സാൻറ് ഓഡിറ്റിംഗ് നടക്കുന്നത്. കാസർഗോഡ് ജില്ലയിലെ ചന്ദ്രഗിരി, ഷിറിയ & എൽകാന, ഉപ്പള്ള, മൊഗ്രാൽ എന്നീ നദികളുടെ സാൻറ് ആഡിറ്റിംഗ് പൂർത്തിയായിട്ടുണ്ട്.</p>

സെക്ഷൻ ഓഫീസർ



GOVERNMENT OF KERALA

Abstract

Revenue Department - Kerala Protection of River Banks & Regulation of Removal of Sand Rules, 2002 - River Mapping and Sand Auditing of Rivers in the State - Orders issued.

REVENUE (P) DEPARTMENT

G.O (Ms) No.161 /12/RD

Dated, Thiruvananthapuram, 21.04.2012

- Read: 1. G.O(Rt) No. 868/11/RD dated 5/2/2011.
2. G.O(MS) No. 161/11/RD dated 2/4/2011.
3. G.O.(Rt) No.3001/11/RD dated 13/7/2011.
4. Minutes of the State High Level Committee for River Management Fund meeting held on 30/12/2011.

ORDER

As per Government orders read as 1st, 2nd and 3rd paper above, Government have accorded Administrative Sanction for conducting River Bank Mapping of Karamana, Bharathappuza, Vamanapuram, Chalakkudy, Karuvannur, Kabani, Neyyar and Ithikkara Rivers by different agencies. Most of the agencies have completed the River Mapping Exercise .

2. The State High Level Committee meeting for River Management Fund held on 30/12/2011 have recommended Government for conducting River Bank Mapping and Sand Auditing for the remaining major rivers also immediately. Accordingly, Government have invited applications from the NGO's , Educational Institutions and other agencies for conducting the River Mapping and Sand Auditing of the remaining rivers, through Press Releases. After screening done by a team of experts from CESS, and interviewing the groups, 11 of them have been identified as having the expertise to do the work.

3. Government after having examined the case in detail, are pleased to accord administrative sanction for conducting River Bank Mapping and Sand Auditing for the following Rivers in the State by the agencies noted below. The funds required for the River Mapping Exercise and Sand Auditing will be provided to agencies from the River Management Fund maintained by the District Collector of the Districts through whose jurisdiction, the major part of the river is flowing.

	Name of River	Agency	District to fund work
1	Periyar River	Centre for Socio Economic and Environment Studies (CSES), Khadi Federation Building, NH Bye Pass, Padivattom, Kochi-68204, Ernakulam.	Ernakulam

Dr. Chakkadhyay
Sri. John Mathai
14.05.12

2	Pamba River	C Graf, Department of Future Studies, Senate Hall Campus, Palayam, Thiruvananthapuram-695034.	Pathanamthitta
3	Kallada River	Agricultural and Ecosystem Management (AGES), 13 Leela Nivas, Golf Links Road, Kowdiar, Thiruvananthapuram-695003.	Kollam
4	Muvattupuzha River	Christ College, Iringalakuda.	Ernakulam
5	Meenachil River	Centre for Rural Management (CRM), Perumbaikadu Post, Kottayam - 686 028.	Kottayam
6	Chaliyar River	Centre for Social Resource Development (CSR), 2 nd Floor Pulickan Hyper Bazar Buidling, Thrissur.	Kozhikode
7	Kadalundy River	Thijssen, 34/2428, Athira, GHSRA 3, Government High School Road, Edappally, Kochi - 682 024.	Malappuram
8	Valapattanam River	Centre for Environment and Development(CED), Thozhuvancode, Vattiyoorkavu P.O., Thiruvananthapuram-695013.	Kozhikode
9	Chandragiri River	Bharat Sevak Samaj, Satbhavana Bhavan, Kowdiar P.O., Thiruvananthapuram, Pin-695003.	Kasargode
10	Kuttiyadi River	Institution for Rural Development (IRD), Deepa, 11/878 MRA 19, Manchadivila Road, Nanthancode, Kowdiar P.O., Thiruvananthapuram-695003	Kozhikode
11	Karuvanoor River/ Kurumali River	The Urulungal Labour Contract Cooperative Society, Madappally College P.O., Vatakara, Kozhikode - 673 102.	Thrissur

4. Sanction is also accorded to assign the work of River Mapping and Sand Auditing to Achankovil River to Musaliar Engineering College, Pathanamthitta.

5. Dr. Srikumar Chathopadhyaya, Scientist (Head, Resource Analysis Division), Centre for Earth Sciences Studies, Thiruvananthapuram and Sri. John Mathai, Scientist, Centre for Earth Sciences Studies, Thiruvananthapuram will render all assistance and advice for the successful conduct of the River Mapping and Sand Auditing exercise.

6. Government have also decided to constitute a RM Cell in ILDM for 3 months for assisting Sri Madhusoodanan , Co-ordinator of the exercise with following staff.

1. LDC/UDC – 1 (to be posted from the Office of Commissioner of Land Revenue on working arrangement, who is proficient in computer)
2. Surveyor-1(A retired hand may be engaged)
3. Geologist-1 }
4. Geographer-1 } Co-ordinator will identify the persons.
5. GIS Specialist-1 }

The Co-ordinator will forward proposal to Government regarding honorarium to be given to the persons 2-5 mentioned above. The expenses of the RMF-Cell will be met from the RMF maintained by the District Collector, Thiruvananthapuram. The Director , ILDM will provide necessary space and furniture and computers to the newly formed RMF Cell.

Three-day intensive training will be imparted to the newly selected agencies from 26th to 28th April 2012 at ILDM by CESS under the co-ordination of River Management Cell. The food and accommodation for the participants will be provided by Director ,ILDM and the expenses will be reimbursed by the District Collector, Thiruvananthapuram from the River Management Fund. Agencies who are engaged in ongoing River Mapping will be invited to share their experiences with the trainees and a session will be devoted for the same in the training program. At the end of the training program written consent from the agencies will be obtained based on a Performa prepared by River Management Cell which shall contain Name of the River and Length of the River, Expected date by which work will be completed.

The new agencies shall start their exercise on 2.5.2012. The following further orders are also issued:-

1. The agencies will enter into an MOU with the District Collectors concerned. The format of the MOU is appended to this order.
2. Copies of cadastral maps of the rivers concerned will be provided to the team by the District Collectors/Director of Survey and Land Records/Asst.Directors in charge of Central Survey Offices.
3. The fund required for the study will be provided to agencies from the River Management Fund maintained by the District Collector of the districts concerned as noted in para-3 as shown in Annexure-II. The standard rates to be followed are Rs.10,000/- per km for River Mapping and Rs.10,000/- per km for Sand Auditing and Rs.3,00,000/- for digitization. An amount of Rs.1 Lakh each will be provided to the agencies as advance for the exercise which will be adjusted in the final payment.

4. In case after receiving the funds, the agency fails to complete the work satisfactorily within the time limit, the amount will be recovered through revenue recovery.
5. The Mapping Team will enter details in the data format appended as Annexure-I to this order.
6. Cadastral Maps shall be kept ready with the Collectors concerned by 30th April, 2012.
7. Each agency will forward weekly progress report to the River Management Cell.
8. Deputy Collector of the District concerned who is currently attending the River Management Fund at the Collectorate shall provide required assistance to the Teams for the smooth conduct of the study.
9. A separate Government Order about the total length of the river which should be taken for River Mapping and Sand Auditing and the expenses/payments for the agencies will be issued separately. For this purpose Sri.Madhusoodanan, Co-ordinator, River Mapping and Sand Auditing will forward proposal to Government.

By Order of the Governor,

Dr. Nevedita P. Haran,
Addl. Chief Secretary.

To

The Commissioner for Land Revenue, Thiruvananthapuram
The District Collector's concerned.
The Director of Survey and Land Records, Thiruvananthapuram
The Director, CESS, Akkulam, Thiruvananthapuram.
The Director, ILDM, P.T.P Nagar. Thiruvananthapuram.
The Principal Accountant General (Audit), Kerala, Thiruvananthapuram.
The Accountant General (A & E), Kerala, Thiruvananthapuram.
All Agencies.
SF / OC.

Forwarded / By Order,

Lujeem
Section Officer.

6665
11/6/15



GOVERNMENT OF KERALA
Abstract

Revenue Department - Sand Auditing of Rivers in Kerala- Sand Mining in Chandragiri River - Orders issued.

REVENUE (P) DEPARTMENT

G.O (Ms) No. 228 /15/RD Dated, Thiruvananthapuram, 06.06.2015

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- 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 16/02/15.

O R D E R

Government, vide 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 vide letter read as 6th paper above has forwarded the sand auditing reports pertaining to 11 rivers viz Kabani, Vamanapuram,Neyyar,Ithikkara,Periyar,Pampa,Kallada,Chaliyar,Kadalundy,Chandragiri and Kuttyadi.

As enumerated above,Government is in receipt of the Sand Audit Report pertaining to Chandragiri River. The Sand Audit Report of the said river has been compiled by Bharat Sevak Samaj ,TVM under the technical guidance of River Management Cell and has been scrutinised and verified by National Centre for

Earth Science Studies(NCESS).

According to the report the total quantity of sand above summer water level in the river is estimated as 'nil'.

The description with regard to this in respective Panchayaths is as shown below:

Sl No	Name of Panchayath	Quantity of sand (Cu.M) above Summer Water Level (Mineable sand for 3 years)	Mineable sand per year In Cu.M
1	Muliyar(Right Bank)	Nil	Nil
2	Chengala(Right Bank)	Nil	Nil
3	Bedaduka(Left Bank)	Nil	Nil
4	Chemanad (Left Bank)	Nil	Nil

Government have examined the sand audit report of Chandragiri 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, Kasargod, is directed not to accord sanction for sand mining in Chandragiri river for the coming three years with effect from the date of this order.

The responsibility of implementing this order flawlessly rests with the District Collector, Kasargod, 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 shall, in turn, furnish the action taken report with regard to this to Government periodically.

By Order of the Governor,
Dr VISHWAS MEHTA
Principal Secretary to Government

To

The Commissioner, Land Revenue, Thiruvananthapuram.
The District Collector, Kasargod.
The Co Ordinator, River Management Cell.
Bharath Sevak Samaj , TVM.
The Principal Accountant General (Audit), Kerala,
Thiruvananthapuram.
The Accountant General (A & E), Kerala, Thiruvananthapuram
I& PRD(Web and New Media)
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Section Officer

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

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GOVERNMENT OF KERALA

Abstract

Revenue Department - Kerala Protection of River Banks and Regulation of Removal of Sand Rules, 2002 – Empanelling of various agencies for conducting River Bank Mapping and Sand Auditing in the Second Phase and fixing standard rates - Approved - Orders issued.

REVENUE (P) DEPARTMENT

Dated, Thiruvananthapuram, 24.10.17

G.O (Ms) No. 355/2017/RD

- Read : 1. G.O (Ms) No.115/2011/RD dated 28.02.2011.
2. G.O (Ms) No.338/2012/RD dated 12.09.2012.
3. G.O (Ms) No.269/2017/RD dated 09.08.2017.
4. Letter No.ILDm/321/2017/E1 dated 25.08.17 from the Director, Institute of Land and Disaster Management.

ORDER

As per Government Order read as 1st paper above, Government have decided to map the river banks of 44 rivers in the state for the purpose of preparing master plan for rivers and Sand Auditing once in 3 years.

2. As per Government Order read as 2nd paper above, Government have accorded Administrative Sanction for conducting River Bank Mapping and Sand Auditing for 20 rivers of the state by various agencies.

3. As per Government Order read as 3rd paper above, Government have approved 15 agencies empanelled to conduct River Bank Mapping and Sand Auditing for 15 rivers in the Second Phase. As per the letter read as 4th paper above, the Director, ILDM has requested Government to sanction the following three matters in connection with the approval of river lengths and guidelines for conducting River Bank Mapping and Sand Auditing in Kerala as Second phase viz.

1. Allotting Rivers to the newly selected 15 Empanelled agencies.
2. Allotting river length for River Bank Mapping and Sand Auditing.
3. Fixing standard rates for River Bank Mapping, Sand Auditing and Digitalisation.

4. Government have examined the matter in detail and are pleased to accord sanction to the following newly selected 15 empanelled agencies to conduct River Bank Mapping and Surveying and Auditing in 15 rivers in Kerala assigned to them as shown below.

Sl. No	Name and Address of Agency	River Assigned	District from which Fund is to be allotted
1	Uralungal Labour Contract Co-operative Society Ltd. (ULCCS), Madappally College (P O) Vatakara, Kozhikode-673102	Mahe River	Kozhikode
2	Centre for Social and Resource Development (CSR), 2 nd Floor Pulickan Hyper Bazar, Pudukad P O, Thrissur-680301	Sreekantapuram uzha	Kannur
3	Centre for Rural Management (CRM), Perumpaikadu P O. Kottayam -686 028	Kariangode River	Kasargod
4	Dept. of PG Studies and Research in Geology, M E S Ponnani College, Ponnani, Ponnani South (P O), Kerala-679586	Thoothapuzha	Palakkad
5	Agriculture and Ecosystem Management Group (AGES), A-14, Pandit Colony, Kowdiar P O, Thiruvananthapuram-695003	Bhavani	Palakkad
6	Dept of Geology and Environmental Science, Christ College, Irinjalakuda, Thrissur District, Kerala-680125	Keecheri River	Thrissur
7	Susthira, Centre for Sustainable Development Studies and Action, Near Pariyaram Medical College, Sreestha P O, Kannur District, Kerala-670303	Peruvamba River	Kannur
8	Tropical Institute of Ecological Sciences (TIES), Ecological Research Campus, K. K. Road, Velloor P.O., Kottayam, 686501	Shiriya River	Kasargod
9	Centre for Socio-economic and Environmental Studies (CSES), Khadi Federation Building, NH Bye-Pass, Padivattom, Kochi-682024	Uppala River	Kasargod
10	Dept of Geography, University College, Palayam, Thiruvananthapuram-695034	Manimala River	Pathanamthitta

11	Institute for Rural Development (IRD), Powthil Building, Amboori P.O, Thiruvananthapuram-695505	Kuppam River	Kannur
12	Grameena Padana Kendram, Eanikkara, Karakulam P.O, Thiruvananthapuram Pin-695564	Vallithode	Kannur
13	Consultancy Group for Research and Forecasting (C-Graph), Dept of Future Studies, University of Kerala, Kariavattom, Thiruvananthapuram-695 581	Gayathripuzha	Palakkad
14	Dept of Geology, University of Kerala, Kariavattom Campus, Thiruvananthapuram Pin-695581	Mogral River	Kasargod
15	Bharat Sevak Samaj (BSS), Satbhavana Bhavan, Kowdiar P O, Thiruvananthapuram Pin- 695 003	Chandragiri Part-2	Kasargod

5. Sanction is also accorded for conducting River Bank Mapping and Sand Auditing in the following 15 rivers as per the lengths shown below.

River Length (km) for Second Phase of River Bank Mapping and Sand Auditing in Kerala							
River Bank Mapping					Sand Auditing		
Sl no.	River	Length for Mapping (km)	Starting Point	Ending point	Length for Sand Auditing (km)	Starting Point	Ending point
1	Chandragiri (Part-2), Kasargode	47 km	Panathur Bridge (450 m upstream of Panathur Juma Masjid)	Confluence with Payaswini	20 km	Bridge at Vavadukkam (Shri Vishnumoorthi Temple)	Confluence with Payaswini
2	Mogral River, Kasargod	19 km	River confluence 380 m upstream of Bovikaanam-Mallam Road bridge	Weir at Uduva (North East of Uduva Masjid)	14 km	Edneer old bridge	Weir at Uduva (North East of Uduva Masjid)
3	Shiriy River,	16 km	Weir at Kerala Boarder	Weir at Ichilang	16 km	Weir at Kerala Boarder	Weir at Ichilangod

	Kasargod			od (near Malik Deenar Juma Masjid			(near Malik Deenar Juma Masjid
3a	Yalkanna River (tributary of Shiriya river)	21 km	Yethadka Bridge	Confluence with Shiriya	21 km	Yethadka Bridge	Confluence with Shiriya
4	Uppala River, Kasargod	18 km	Anekallu Check Dam	Weir upstream of Uppala Bridge	18 km	Anekallu Check Dam	Weir upstream of Uppala Bridge
5	Kariangode River, Kasargod	25 km	Check Dam at Mangod near Latex Factory	Northern limit of Podothurut	25 km	Check Dam at Mangod near Latex Factory	Northern limit of Podothurut
5a	Perambatte Puzha (Tributary of Kakkanad river)	22 km	Bridge at Pulingom	Confluence with Kariangode	22 km	Bridge at Pulingom	Confluence with Kariangode
6	Peruvamba River, Kannur	17 km	Confluence (Peruvamba and Manakan Thode upstream of Olayambadi)	Upto 1.65 km downstream of Eramam - Cheruthazham Bridge	8 km	Confluence of Peruvamba Puzha and Left Bank Tributary at Mathamangalam	Upto 1.65 km downstream of Eramam-Cheruthazham Bridge
6a	Major Left Bank (Tributary of Peruvamba River)	14 km	Confluence near Perumbadavu	Confluence with Peruvamba near Mathamangalam	Nil		
7	Kuppam, Kannur	43 km	Manakadavu bridge	Kuppam Bridge	33 km	Rayarom Bridge	Kuppam Bridge
8	Sreekandapuram Puzha (Tributary	39 km	Confluence of Mattara Thode and	Confluence With Valapatt	39 km	Confluence of Mattara Thode and Nucchiyad	Confluence With Valapattanam

	of valapattana m, Kannur		Nucchiya Puzha near Mattara	anam Puzha downstre am of Adicher y		Puzha near Mattara	Puzha downstream of Adichery
9	Vallithode/ Vallya puzha/Char al Puzha, Kannur (Tributary of Valapatana m)	15 km	Confluence of Marenadu Hole and Kall Hole near Koottupuzha Bridge	Conflue nce with Valapatt anam Puzha at Kallumk utty	15 km	Confluence of Marenadu Hole and Kall Hole near Koottupuzha Bridge	Confluence with Valapattanam Puzha at Kallumkutty
9a	Vem Puzha (Tributary of Vallithode)	4 km	Vem Puzha Bridge	Conflue nce with Vallithod	Nil		
9b	Kandur Puzha (Tributary of vallithode)	4 km	Angadikadav u Bridge	Conflue nce with Vallithod	NIL		
10	Mahe River, Kozhikode	29 km	Kaiveli- Thinoor Road bride	Iringann ur- Kallache ry- Kadavat hur Road end point	29 km	Kaiveli- Thinoor Road bride	Iringannur- Kallachery- Kadavathur Road end point
11	Thoothapuz ha, Malappura m and Palakkad	58 km	Karimbuzha - Koottilakadav u bridge	Conflue nce with Bharatap uzha	58 km	Karimbuzha - Koottilakadavu bridge	Confluence with Bharatapuzha
12	Gayathripu zha, Palakkad	28 km	Thrippallur NH Bridge	Conflue nce with Bharatap uzha	28 km	Thrippallur NH Bridge	Confluence with Bharatapuzha
13	Bhavani River, Palakkad	26 km	Confluence at Mukkali	Kerala Boarder	26 km	Confluence at Mukkali	Kerala Boarder
14	Keecheri	37 km	Wadakamcher	Parappur	26 km	Kottapuram	Parappur-

	River, Thrissur		y Railway Bridge	- Pavaratt y Road Bridge near Annakar a		Bridge	Pavaratty Road Bridge near Annakara
15	Manimala River	70 km	Mundakayam Bridge	Kuttoor Bridge	38 km	Manimala Bridge	Kuttoor Bridge

6. Sanction is also accorded for 10% increase in the existing standard rate of River Bank Mapping and Sand Auditing from Rs.10,000/-per km to Rs.11,000/-per km in the second phase. For Digitalisation, the standard rate fixed in the first phase was Rs.3,00,000/- per river. This rate is refixed as 1.5 lakhs for rivers with allotted length up to 10 km, Rs.2 lakhs for river length up to 20 km, Rs.3 lakhs for river length up to 50 km and Rs.4 lakhs for river length up to 50 km.

7. The fund will be provided to agencies from River Management Fund maintained by the District Collectors of the Districts concerned. The agencies will enter into an MOU with the District Collectors concerned. The format of the MOU and detailed guidelines will be provided by the Director, Institute of Land and Disaster Management.

By Order of the Governor,

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Additional Secretary to Government

To

The Commissioner for Land Revenue, Thiruvananthapuram.

All District Collectors.

The Director, Institute of Land and Disaster Management, P.T.P Nagar, P.T.P Nagar
P.O, Thiruvananthapuram.

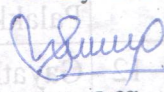
The Principal Accountant General (Audit), Kerala, Thiruvananthapuram.

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

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Section Officer

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

7432
26/6/20



GOVERNMENT OF KERALA

Abstract

Revenue Department - The Sand Auditing report of Chandragiri River (Part-II) - Approved-Orders issued

REVENUE (P) DEPARTMENT

G.O.(Rt)No.2223/2020/RD Dated,Thiruvananthapuram, 18/06/2020

Read 1 GO(Ms)No.355/2017/RD dated 24.10.17.

2 Letter no. ILDM/1496/2017/E1 dated 25.05.2020 from the Director, ILDM.

ORDER

The Sand Auditing of Chandragiri River (Part-II) has been entrusted to Bharat Sevak Samaj (BSS), Kowdiar P.O, Thiruvananthapuram based on GO read as 1st Paper above. They have carried out sand auditing of Chandragiri River (Part-II) as per the Standard Guidelines of Institute of Land and Disaster Management (ILDM). The data and draft reports submitted by BSS at various stages of the work were scrutinised and verified by River Management Centre, ILDM. The Expert Committee Meeting on Sand Auditing held at ILDM on 17.01.2020 has evaluated the draft report presented by BSS and recommended for revised submission. BSS have submitted the final report on 22.05.2020.

The task of conducting Sand Auditing of Chandragiri River (Part-II) from Bridge of Vavadukkam (Shri.Vishnumoorthi Temple) to the confluence with Payaswini River in Kasargod District covered 20 kms. As part of Sand Auditing, cross sections were taken at 200 locations within the 20 km river stretch in Chandragiri River (Part-II) with an average interval of 100 m. Bedadka, Pullur Periy, Pallikkara and Chemmanad are the panchayats located on either banks of Chandragiri River (Part-II).

The volume of total sand available in Chandragiri River (Part-II) is estimated as **117190 m³**. The panchayat wise volume of total sand available in Chandragiri River (Part - II) is provided in Table below.

Sl.No	Name of Panchayat	District	Volume of Total Sand (m3)	Volume of mineable Sand (m3) for three years
1	Bedadka Panchayat	Kasargod	58594.99	10009.62
2	Pullur Periyar Panchayat	Kasargod	17361.29	2848.25
3	Pallikkara Panchayat	Kasargod	27967.88	5630.138
4	Chemmanad Panchayat	Kasargod	13265.82	1531.228
	Total		117189.98	20019.236

Government have examined the Sand Audit report of Chandragiri River (Part-II) 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, Kasargod is directed to accord sanction for sand mining in Chandragiri River (Part-II) 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, Kasargod 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, Kasargod 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, Kasargod.
 The Director, ILDM, PTP Nagar PO, Thiruvananthapuram-38.
 The Principal Accountant General (Audit), Kerala, Thiruvananthapuram.

The Accountant General (A & E), Kerala,
Thiruvananthapuram
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Date: 2020.06.18 17:07:20 IST
Reason: Approved

Section Officer