

# APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

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No. KTU/ASST6(ACADEMIC)/659/2021

Dated: 05.02.2021

From

The Dean (Academic)

To

All Affiliated Colleges

Sub:- APJAKTU - ACADEMICS - Order from Higher Education Department - Abating Pollution in the Rivers of the State - Collaboration between Engineering Colleges and Water Resources Department for Detailed Project Report preparation of 21 River stretches identified by Central Pollution Control Board - reg.

Ref:- 1. G.O.(Rt)No.70/2021/HEDN dated 13.01.2021.

I am forwarding here with the Government Order pertaining to the expected scientific and technical collaboration between the Engineering colleges and the Department of Water Resources of the Government of Kerala inviting detailed project proposals/reports for the effective management of water quality by controlling the pollution of the water bodies/rivers of our state.


May I request you to convene a meeting with resourceful faculty, research scholars and student community to offer your Institutional support and collaboration on the matter. Kindly circulate the Government Order to all concerned.

Yours faithfully

Dr.S. Ayooob \*

Dean (Academic) in Charge  
(For The Dean (Academic))

\* This is a computer system (Digital File) generated letter. Hence there is no need for a physical signature.

  
Dr. LEENA A V  
PRINCIPAL  
SREE NARAYANA GURU COLLEGE OF  
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## GOVERNMENT OF KERALA

Abstract

Higher Education – Abating Pollution in the Rivers of the State - Collaboration between Engineering Colleges and Water Resources Department for Detailed Project Report preparation of 21 River stretches identified by Central Pollution Control Board – Orders issued.

**HIGHER EDUCATION (J) DEPARTMENT**

**G.O.(Rt)No.70/2021/HEDN** Dated,Thiruvananthapuram, 13/01/2021

- Read 1. Order dated 20-09-2018 of the National Green Tribunal in OA No. 673/2018  
2. Minutes of the meeting conducted on 27-11-2020 and 03-12-2020 on the topic abatement of Pollution in the rivers in the State

ORDER

The National Green Tribunal in its order read as 1<sup>st</sup> paper above, has directed urgent steps towards abatement of pollution and rejuvenation of the 21 rivers identified as "critically polluted" in the State.

2. As directed, Water Resources Department (WRD) started the formulation of the action plans for abating pollution in the critically polluted rivers of the State. As a first step, it was decided to collaborate with Engineering Colleges so that the domain knowledge of the faculty, the spirit of scientific enquiry of the students and the experience of the officers of WRD can be utilised to develop and implement innovative and effective solutions for the abatement of pollution in these rivers. There has been a very good response from the colleges to this initiative.

3. Government have examined the matter in detail and are pleased to order the following:

i) All the Engineering Colleges enlisted in the Annexure, appended with this order, may carry out the site visits; data collection; compilation of data (primary and secondary); testing of water quality, content and composition of pollutants; documentation of the results and preparation of actionable DPRs, through the identified faculty and their students. DTE shall extend all necessary support to the Engineering College faculty and students so that the actionable DPRs are prepared by 28.02.2021 and taken up for implementation in this Financial Year itself.

ii) TKM College of Engineering, Kollam is entrusted with developing a common template for the preparation of the DPR.

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iii) The Registrar, APJ Abdul Kalam Technological University Thiruvananthapuram should consider the participation of students in such socially relevant projects for credits/ activity points.

4. WRD shall consider the services of faculty like a consultancy for the project.

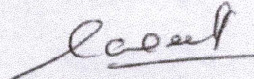
(By order of the Governor)

**DR. USHA TITUS**  
**PRINCIPAL SECRETARY**

To:

- 1) The Director of Technical Education, Thiruvananthapuram
- 2) The Chief Engineer, Chief Engineer, Irrigation and Administration, Thiruvananthapuram
- ✓ 3) The Registrar, APJ Abdul Kalam Technological University
- 4) Water Resources (ISWC) Department
- 5) The Information Officer, Web & New Media, I&PRD
- 6) [www.highereducation.kerala.gov.in](http://www.highereducation.kerala.gov.in)
- 7) Stock file/Office Copy

Forwarded /By order

  
Section Officer



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**PROCEEDINGS OF THE CHIEF ENGINEER, IRRIGATION AND  
ADMINISTRATION, THIRUVANANTHAPURAM**

(Present : Alex Varghese )

Sub :- Collaboration between Engineering Colleges and Irrigation Department for DPR Preparation of 21 River stretches identified by CPCB- reg.


Read :-

1. Order dated 20.09.2018 of Hon'ble NGT in OA No. 673/2018.
2. Decision taken in the V.C meeting convened by the Additional Chief Secretary, WRD with the 33 Engineering Colleges in the State held on 27.11.2020 and subsequent meetings.

**ORDER NO. PL2/15862/2019 Dated :5/01/2021**

The Hon'ble National Green Tribunal (NGT) in OA No 673/2018 dated 20.09.2018 ordered for rejuvenation of the 21 rivers identified as "critically polluted" rivers in the State.

In order to comply the order within a short span of time and with the limited resources the support of good Engineering Colleges in the state was solicited. Thirty three (33) Engineering College have come to collaborate with Water Resources Department for this purpose. Hence it was decided to go ahead with an innovative concept in which the Irrigation department would tie up with good Engineering Colleges spread out in the state through which, the pollution in the 21 critically polluted rivers could be abated by carrying out appropriate interventions in a holistic manner. Through this concept the participating Engineering Colleges would conduct site visit, collect data (primary and

  
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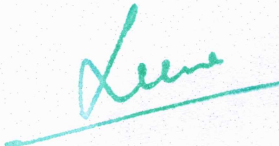
secondary) and conduct series of tests for assessing the level of pollution and prepare Actionable Detailed Project Reports (DPR) for each river.

Collaboration with educational institutions is widely acknowledged as an important medium for exchanging new ideas and innovations, and held to overcome some of the present hurdles faced by the department. The said NGT order too acknowledges the important of educational institutions in such ventures.

The Hon'ble NGT is empowered to penalize defaulters to extreme length for non compliance to their directives. Hence this project is of highest priority for the Department and to the Government of Kerala. Moreover the project gives a rare opportunity for these institutions to work on real life, socially useful projects, making this exercise a win-win situation to all. The example of LSGD effectively utilizing the engineering expertise and experience of Engineering Colleges in DPR preparations during Rebuild Kerala exercise in 2019-20 may be recollected in this context.

In this connection a series of sessions of Techno-academic collaboration meetings were held at Government level, wherein almost 33 Engineering Colleges had participated and expressed their willingness to joint hands with the Water Resources Department for the DPR preparation and preparation of an action plan for the abatement of pollution and rejuvenation of the 21 rivers. Further, with the support and guidance from the Government, this endeavour can bring in tangible results.

In this context, Irrigation Department desires to collaborate with Engineering Colleges and Polytechnics for the preparation of DPRs and preparation of an action plan for the abatement of pollution and rejuvenation of the 21 rivers.



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The Engineering Colleges shall be entrusted with the responsibility of site visit, data collection, compilation of data (primary and secondary), testing of water quality, content and composition of pollution and for the documentation of the results and preparation of actionable DPRs. Appropriate officers will be designated as Nodal Officers for this program of rejuvenation of the river stretches, who shall co-ordinate and take the support of the Engineering Colleges for the proper implementation of the programme. They have to guide and lead the participating Engineering Colleges in this endeavor, so that it is completed in time. This item of task will be made an integral part of their Performance appraisal and form part of Annual Confidential Report 2021. The details of Engineering Colleges who have shown interest, river stretches selected by them and name of Nodal Officer (from Irrigation Department) are listed in Annexure.

All the Engineering Colleges enlisted in Annexure-I are hereby permitted to take up all necessary activities, steps and processes for the expeditious completion of preparation of DPRs for pollution abatement of identified rivers. Respective Nodal Officers shall extend all necessary support to the Engineering College faculty and students so that the actionable DPRs could be completed before 28.02.2021 and take them up for implementation during this Financial Year itself.



  
CHIEF ENGINEER

**CHIEF ENGINEER**  
**IRRIGATION & ADMINISTRATION**  
**THIRUVANANTHAPURAM**

  
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**Annexure - I**

Sl. No	River	District	Stretch/River	Institution/ Colleges which have shown interest	Nodal Officer
1	Uppala	Kasargod	Poyya to Mulinja	College of Engineering Trikaripur, Cheemeni, Kasargod	Sajeev Kumar V S Executive Engineer, Irrigation Division, Kasargod Mobile No: 9446420664 exe.eng.irrgn.ksd@gmail.com
2	Mogral		Along Mogral	LBS college of Engineering college, Kasargod	
3	Kavvai	Kannur	Along Kavvai	-NIL-	
4	Kuppam	Kannur	Thaliparamba to Velichangool	Vimal Jyothi Engineering College, Chemperi, Kannur	Besil. J Executive Engineer, Irrigation Division, Thalassery Mobile No: 8606205424 eeidty@gmail.com
5	Peruvamba		Along Peruvamba	Sree Narayana Guru College of Engineering And Technology, Payannur	
6	Ramapuram		Along Ramapuram	College of Engineering & Technology, Payannur	
7	Kallayi	Kozhikode	Thekepuram to Arakkinar	Government Engineering College, Kozhikode	Shalu Sudhakaran Executive Engineer, Irrigation Division, Kozhikode Mobile No: 9446310534 eeirrigationkdd@gmail.com
8	Kuttiyadi		Along Kuttiyadi	NIT Calicut	
9	Thirur	Malappuram	Naduvilangadi to Thalakkadathur	1. KMCT Polytechnic College, Kuttippuram 2. Rajadhani Institute of Science and Technology, Palakkad	Suja K S Executive Engineer, Irrigation Division, Malappuram Mobile No: 9961734844 eeirrgmpm@yahoo.co.in
10	Kadalundi		Along Hajirapalli / Hajiyarpalli	1. KMCT College of Engineering for Women, Kozhikkode 2. MES College of Engineering, Kuttippuram	
11	Bharathapuzha	Palakkad	Kalpathipuzha (Bharathapuzha-Cheruthuruthi - Shornur area)	1. IIT Palakkad 2. Jyothi Engineering College (JEC), Cheruthuruthy, Thrissur 3. Nehru College of Engineering & Research Centre, Thrissur	Anil Kumar D Executive Engineer, Irrigation Division, Malampuzha Mobile No: 9446110109 executiveengineermalampuzha@gmail.com
12	Bhavani	Palakkad	Along Elachivazhy	NSS College of Engineering, Palakkad	Dr. Sudheer Padikkal, Consultant General Manager (Micro Irrigation), KIIDC Mobile No: 7306561269 padikkalsudheer@gmail.com
13	Kecheri	Thrissur	Puliyannor to Kechery	1. Kerala Engineering Research Institute, Peechi, Thrissur 2. SCMS School of Engineering & Technology, Ernakulam	Suja S S Joint Director, Hydraulic Research, KERI Mobile No: 9497640641 jdhydraulicresearch@gmail.com

*Leena*  
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Sl. No	River	District	Stretch/River	Institution/ Colleges which have shown interest	Nodal Officer
14	Karuvannur	Thrissur	Along Karuvannur	1. Vidya Academy of Science and Technology, Thrissur 2. Rajadhani Institute of Engineering & Technology, Attingal, Trivandrum	Mohan I K Executive Engineer, Additional Irrigation Division, Thrissur Mobile No: 9447215299 aidthrissur@gmail.com
15	Puzhakkal	Thrissur	Olarikkara to Puzhakkal	FISAT, Angamaly	
16	Chithrapuzha	Ernakulam	Irumpanam to Karingachira	1. Rajagiri School of Engineering & Technology, Kakkanad 2. Muthoot Institute of Technology & Science, Ernakulam	Abbas B Executive Engineer, Irrigation Division, Ernakulam Mobile No: 9447291624 majorirrigationekm@hotmail.com
17	Kadambrayar		Manckakadavu to Brahmapuram	SCMS School of Engineering & Technology, Ernakulam	
18	Muvattupuzha	Ernakulam/Idukki	(i) Kaliyar to Muvattupuzha (ii) Muvattupuzha To Thodupuzha	1. Sree Narayana Gurukulam College of Engineering, Kolenchery 2. Mar Baselios Institute of Technology and Science, Kothamangalam 3. Viswajyothi College of Engineering and Technology	
19	Periyar	Ernakulam	(i) Aluva-Eloor to Kalamassery (ii) Aluva to Muppathadam (iii) Kalady to Pathalam	1. TOCH Institute of Science & Technology, Ernakulam 2. Adi Sankara Institute of Engineering & Technology, Kalady	
20	Pamba	Pathanamthitta	Mannar to Thakazhy	1.T.K.M College of Engineering, Kollam 2.Saint Gits College of Engineering, Kottayam	Nadeer A Executive Engineer, Irrigation Division, Kollam Mobile No: 9447726830 eeirrigationklm@gmail.com
21	Manimala	Alappuzha	Kalloopara to Thondra	1. IDRB 2. Amal Jyoti College of Engineering, Kanjirapally 3. St. Joseph's College, Palai	Sindhu B Executive Engineer, Hydrology, Chengannur Mobile No: 9446512742 hydrologydivisionengnr@gmail.com
22	Karamana	Trivandrum	Malekkdu to Thiruvallam	1. Irrigation & Administration, Trivandrum 2. Govt. Engineering College, Barton Hill, Trivandrum 3. College of Engineering, Thiruvananthapuram 4. Marian Engineering College, Thiruvananthapuram 5. Mar Baselios College of Engineering and Technology, Thiruvananthapuram 6. Mohandas College of Engineering and Technology, Thiruvananthapuram	Balachandran P K Executive Engineer, Irrigation Division Thiruvananthapuram Mobile No: 9447450809 ccirrigationtvp@gmail.com  <b>Dr. LEENA A V</b> PRINCIPAL SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY PAYYANUR, KANNUR

