

ASSESSMENT/ EVALUATION REPORT ON MAJOR RESEARCH PROJECT

Sponsored by

University Grants Commission

Bahadurshah Zafar Marg, New Delhi- 110002

A: DETAILS OF PROJECT

Title of the project	Identification of sources of Groundwater Salinization in parts of Nagapattinam and Karaikal coastal aquifers: a Geophysical, Hydrochemical and Isotopic approach
Total duration of project	03 years
Project status	Completed
Subject	Hydrogeology
File number (Ref.No.)	F.41-1036/2012
Grants approved	10,04,620/-

B: EVALUATION REPORT OF EXPERT MEMBER

1.	Name of Principal Investigator	Dr.K.Srinivasamoorthy
2.	Designation	Associate Professor
3.	Address of Principal Investigator	Department of Earth Sciences School of Physical, Chemical and Applied Sciences Pondicherry University, Pondicherry-605 014, India
4.	Whether work is focused on the title of the sanctioned project	Yes
5.	Whether original work is done	Yes
6.	Whether significant contribution made	Yes
7.	Whether proposed work have relevance to the society/scientific community	Yes
8.	What type of contribution found in the final report: theoretical/practical. If there are theoretical contribution given by the Principal investigator whether real applications are given	The contribution consists of field work, laboratory analysis and computer modelling.
9.	Whether theoretical contribution and their results and findings are published.	Yes
10.	Whether results and findings are significant	Yes
11.	Whether the significant publications made by the Principal Investigator in peer reviewed Journals	Yes

Y. Srinivas
Dr. Y. SRINIVAS
Professor & Head
Centre for Geo Technology
Manonmaniam Sundaranar University
Tirunelveli - 627 012.

12.	Number of publications made by PI in standard Journals	Five research papers are published in reputed national and international journals
13.	Whether contributions made by PI is sufficient	Yes
14.	The findings and results of the sanctioned Major research project are justifiable	Yes
15.	Whether completed project work meet the proposed objectives	Yes
16.	Give your brief comments on the overall work of the project	The Investigators carried out are three different types of approaches to know the saline sources in the groundwater. They have adopted hydrochemistry of water samples. Geophysical method consists of vertical electrical soundings (VES) survey to know the resistivity distribution of the groundwater in the study area and Isotopic studies on groundwater samples. The work consists of enormous field work and laboratory analysis of water samples and computer modelling. The results are very much useful for future planning of groundwater management in the study area.
17.	Any specific comments	The study of Geophysical, Hydrochemical and Isotopic approach in the parts of Nagapattinam and Karaikal coastal aquifers reveals three prominent saline sources in groundwater (i) sea water intrusion along western and southern parts of the study area, (ii) rock weathering/ion exchange along central and western parts of the study area, and (iii) agricultural and domestic influences along the central parts of the study area. Fiver research papers are published out the project work in peer reviewed journals.
18.	Indicate your overall assessment of the project	The project can be assessed as successfully completed as all of its objectives are achieved and the results are published in the reputed national and international journals including Springer and Elsevier publishers.

Date: 30.04.2018

Place: Tirunelveli

Name & address of Expert:

Dr. Y.Srinivas
Professor and Head
Centre for GeoTechnology
Manonmaniam Sundaranar University
Tirunelveli - 627 012, Tamilnadu

Y. Srinivas
Dr. Y. SRINIVAS
Professor & Head
Centre for Geo Technology
Manonmaniam Sundaranar University
Tirunelveli - 627 012.

K. Srinivasamoorthy
Dr. K. SRINIVASAMOORTHY
Associate Professor
Department of Earth Sciences
Pondicherry University
Puducherry - 605 014, India.

