



**UTILIZATION CERTIFICATE
GISAT of SAC (ISRO)**

Name of the Department: **Department of Computer Science, Gujarat University**

Name of the Project: **GISAT of SAC (ISRO) titled "Retrieval of Chlorophyll- a concentration and
Phytoplankton Size Class using GISAT (MX-VNIR and HYSI-VNIR)**


Certified that a sum of **Rs.3,62,000/-** (Rupees Three Lakhs Sixty Two Thousand only) was sanctioned to Dr. Savita R. Gandhi, Department of Computer Science, Gujarat University, Ahmedabad by the Department of Space, Government of India vide letter No.SAC/EPGA/BPSG/MED/GISAT/05/18 for F.Y. 2019-20 for the project "GISAT of SAC (ISRO)". Further certified that out of the total actual grant received during the period **Rs. 3,62,000/-** and opening unspent balance of **Rs. 2,25,090/-** (Rupees Two Lakhs Twenty Five Thousand Ninety only), a sum of **Rs. 4,26,059/-** (Rupees Four Lakhs Twenty Six Thousand and Fifty Nine only) has been incurred for committed expenses for the project by the Investigator as per the details given in **Annexure "A"** attached. All the terms and conditions have been fulfilled by the Investigator and the grant has been utilized for the purpose for which it was approved. The balance amount of **Rs. 1,61,031/-** is to be refunded, as informed to us.

It is further certified that inventories of the permanent or semi-permanent assets acquired wholly or mainly out of the grants given by ISRO as indicated above are maintained in the prescribed form and are being kept up to date and these assets have not been disposed off, encumbered or utilized for any other purpose

Place: **Ahmedabad**
Date: **26.04.2021**

For **Uday I. Shah & Co.**
Chartered Accountants




(**CA Uday Shah**)
Proprietor

MRN NO.: 042000
FRN: 111120W
UDIN: 21042000AAAAAK4197

Dr. Savita R. Gandhi, Department of Computer Science, Gujarat University, Ahmedabad

Project: GISAT of SAC (ISRO) titled "Retrieval of Chlorophyll- a concentration and Phytoplankton Size Class using GISAT (MX-VNIR and HYSI-VNIR)

FY 2019-20

ANNEXURE A

Expenditure on Project incurred during 01.04.2019 and 31.3.2020 and payment made

Item	Unspent balance carried forward from previous year	Grants received from ISRO during the period	Other receipts/ interest earned - if any, on the ISRO grants	Total of Col. (2+3+4)	Expenditure incurred for the period	Balance as on the date of Certificate to be refunded	
1	2	3	4	5	6	7	
1	125,090	362,000	-	587,090	426,870	161,031	
Particulars of Expenses			Amount Sanctioned	Amount Utilised	Amount paid during 1.04.2019 to 31.03.2020	Amount committed but paid after 31.03.2020	Total grant Utilised
Research Staff			360,000	342,750	270,900	72,750	342,750
Travel			50,000	-	-	-	-
Documentation/Contingency Charges			100,000	25,300	4,000	19,300	25,300
Overhead Charges			77,000	60,000	24,900	36,000	60,000
Total			587,000	426,050	299,800	128,050	426,050
Rupees (In Words)			(Rupees Five Lakhs Eighty Seven Thousand only)	(Rupees Four Lakhs Twenty Six Thousand and Fifty Nine only)			

Rs. 4,000/- remuneration paid to Experts during FY 2018-19 was inadvertently not considered in the Utilisation Certificate of 2018-19. The same is now taken in Documentation/Contingency Charges in the UC of FY 2019-20


DR. SAVITA R. GANDHI
Prof & Head
Department of Computer Science
Rohitara Computer Centre,
Gujarat University,
AHMEDABAD-382 004



GFR 12-A

AUDITED UTILIZATION CERTIFICATE

(COMPONENT WISE)

Name of the University: Gujarat University

Financial Year of AUC: 2019-2020

1. Name of the Scheme: **Retrieval of Chlorophyll- a concentration and Phytoplankton Size Class using GISAT (MX-VNIR and HYSI-VNIR)**
2. Whether recurring or non-recurring or both grants: **Non recurring**
3. Grants position of the beginning of the release of second year
 - (i) Cash in Hand/ Bank 2,25090/-
 - (ii) Unadjusted advances NIL
 - (iii) Total 2,25090/-
4. Details of grants received, expenditure incurred and closing balances: (Actuals)

Unspent Balances of Grants received Years (figure as at SL No. 3(III))	Interest Earned thereon	Interest deposited back to the Government	Grant received during the year			Total Available funds (1+2+3+4)	Expenditure incurred	Closing Balance
			Sanction No. (i)	Date	Amount in Rs			
1	2	3	4			5	6	7
2,25090	NIL	NIL	SAC/EPSSA/BPSG/MED/GISAT/05/18 for F.Y. 2019-20	April-May 2019	3,62,000	5,87,090	4,26,059	1,61,031

Component wise utilization of grants

Grants-in-aid-General	Grants-in-aid Salary	Grants-in-aid-creation of Capital assets	Total
83,300/-	3,42,759/-	—	4,26,059/-

Details of grants position of the end of the year

- (i) Cash in Hand/Bank **Rs 1,61,031/-**
- (ii) Unadjusted Advances **—**
- (iii) Total **Rs 1,61,031/-**

Certified that I have satisfied myself that the conditions on which grants were sanctioned have been duly fulfilled/are being fulfilled and that I have exercised following checks to see that the money has been actually utilized for the purpose for which it was sanctioned:

- (i) The main accounts and other subsidiary accounts and registers (including asset registers) are maintained as prescribed in the relevant Act/Rules/Standing instructions (mention the Act/Rules/Standing instruction (mention the Act/Rules) and have been duly audited by designated auditors. The figures depicted above tally with the audited figures mentioned in financial statements/accounts.
- (ii) There exist internal controls for safeguarding public funds/assets, watching outcomes and achievements of physical targets against the financial inputs, ensuring quality in asset creation etc. & the periodic evaluation of internal controls is exercised to ensure their effectiveness.
- (iii) To the best of our knowledge and belief, no transactions have been entered that are in violation of relevant Act/Rules/standing instructions and scheme guidelines.
- (iv) The responsibilities among the key functionaries for execution of the scheme have been assigned in clear terms and are not general in nature.
- (v) The benefits were extended to the intended beneficiaries and only such areas/districts were covered where the scheme was intended to operate.
- (vi) The expenditure on various components of the scheme was in the proportions authorized as per the scheme guidelines and terms and conditions of the grants - in-aid.
- (vii) It has been ensured that the physical and financial performance under **Retrieval of Chlorophyll- a concentration and Phytoplankton Size Class using GISAT (MX-VNIR and HYSI-VNIR)** (name of the scheme) has been according to the requirements, as prescribed in the guidelines issued by Govt. of India and the performance/ targets achieved statement for the year to which the utilization of the fund resulted in outcomes given at Annexure-I duly enclosed.
- (viii) The utilization of the fund resulted in outcomes given at Annexure-II duly enclosed (to be formulated by the Ministry/Department concerned as per their requirements/specification).
- (ix) Details of various schemes executed by the agency through grants-in-aid received from the same Ministry or from other Ministries is enclosed of Annexure-II (to be formulated by the Ministry/Department concerned as per their requirements/specifications).

Date : 26th April, 2021

Place : Ahmedabad

Signature *Vaishali*
 Name Development Officer
 Gujarat University,
 Ahmedabad-380 0009,
 Chief Finance Officer (Head of
 the Finance)

Signature *Ajay*
 Name Registrar
 Gujarat University,
 Ahmedabad-380 0009,
 Head of the Organisation

Savita
 J.R. SAVITA R. GANDHI
 Prof & Head
 Department of Computer Science
 Institute of Computer Science
 Gujarat University
 AHMEDABAD-380 009

**Department of Computer Science
Gujarat University
Statement of Expenditure**

Ref No. & Date: SAC/EPSA/BPSG/MED/GISAT/05/18 for F.Y. 2019-20

Title of the Project: Retrieval of Chlorophyll- a concentration and Phytoplankton Size Class using GISAT (MX-VNIR and HYSI-VNIR)

PI Name & Institution: Dr Savita Gandhi, Gujarat University

Period of Statement of Expenditure: April 2019-March 2020

Second year of the project: Annual release

Sl No.	Total grant sanctioned for the FY 2019-20	Funds available at the beginning of year	Funds received during FY 2019-20	Expenditure	Unspent Balance with the Institution	Balance Funds to be refunded
1	5,87,090	2,25,090 (CF Balance)	3,62,000	4,26,059	1,61,031	1,61,031


Head of Institution with Seal
Registrar
Gujarat University,
Ahmedabad-380 009.


Finance Officer
Development Officer
Gujarat University,
Ahmedabad-380 009.


Principal Investigator
DR. SAVITA R. GANDHI
Prof & Head
Department of Computer Science
Rajiv Gandhi Computer Centre,
Gujarat University,
AHMEDABAD-380 009