

DST/TMD/EWO/WTI/2K19/EFWH/2019/237(G)
Government of India
Ministry of Science & Technology
Department of Science & Technology (Technology Mission Division)

Technology Bhavan, New Delhi
Dated: 21/05/2021

Sanction Order

Subject: Financial support for project entitled "Co-solving water logging and groundwater depletion issue in parts of Faridabad Smart City using Underground Taming of Flood water for Aquifer Storage and Recovery" submitted by Dr. Arunangshu Mukherjee from Manav Rachna International University- Faridabad.

Sanction of the President is hereby accorded to the approval of the above-mentioned project at a total cost of ₹ 70,12,720/- (*Rupees Seventy Lakhs, Twelve Thousands and Seven Hundred Twenty Only*), for a duration of 3 years. The detailed breakup of the grant for Capital and General Components are given below:

Capital Component: ₹ 8,62,000/-

General Component: ₹ 61,50,720/-

S.No.	Item head	1st Year	2nd Year	3rd Year	Total
A.	Capital-Non Recurring Cost				
	Photo meter with accessories (1 No.)	5,07,000	0	0	5,07,000
	DWLR with T & EC sensor and telemetry and real time data display unit (1 No.)	3,05,000	0	0	3,05,000
	Lap top/ Desk Top (1 No.)	50,000	0	0	50,000
	Sub Total (Capital Cost)	8,62,000	0	0	8,62,000
B	General-Recurring Cost				
	Manpower "Project Assistant" (01) 20000+ 16% HRA per month	2,78,400	2,78,400	2,78,400	8,35,200
	Other cost	9,00,000	33,28,000	0	42,28,000
	Consumables	50,000	50,000	50,000	1,50,000
	Travel	50,000	50,000	50,000	1,50,000
	Contingencies	50,000	50,000	50,000	1,50,000
	Sub-Total (B)	13,28,400	37,56,400	4,28,400	55,13,200
C	Total Cost (A + B)	21,90,400	37,56,400	4,28,400	63,75,200
D	Overhead	2,19,040	3,75,640	42,840	6,37,520
	Sub Total (General Cost)	15,47,440	41,32,040	4,71,240	61,50,720
E	G. Total Cost (C + D)	24,09,440	41,32,040	4,71,240	70,12,720

2. The sanction of the President is also accorded to the release of ₹ 15,47,440/- (*Rupee Fifteen Lakh, Forty Seven Thousand, and Four Hundred Forty Only*) to Manav Rachna International University- Faridabad being the first installment of grant under "General Component" for implementation of the above mentioned project.

3. This sanction is subject to the condition that the grantee organisation will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.
4. The grantee organisation will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.
5. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.
6. The grant-in-aid being released is subject to the condition that
 - a. A transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/Organisation under the appropriate rules of the grantee organisation while procuring capital assets sanctioned for the abovementioned project and a certificate to this effect will be submitted by the Grantee organisation immediately on receipt of the grant:
 - b. While submitting Utilization Certificate/Statement of Expenditure, the organisation has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.
7. The grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. For Grants released during F.Y. 2017-18 and onwards, all interests and other earnings, against released Grant shall be remitted to Consolidated Fund of India (through Non-Tax Receipt Portal (NTRP), i.e., www.Bharatkosh.gov.in), immediately after finalization of accounts, as it shall not be adjusted towards future release of grant. A certificate to this effect shall have to be submitted along with Statement of Expenditure/Utilization Certificate for considering subsequent release of grant/closure of project accounts. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.
8. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.
9. In case the scheme provides for payment of honorarium / remuneration / fellowship / scholarship to the PI, a para may suitably be incorporated in the DSO to the effect that "PI is not drawing any emoluments/ salary/fellowship from any other project either supported by DST or by any other funding agency.

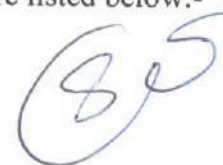
The account of the grantee organisation shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organisation is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

11. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organisation in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.
12. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.
13. The expenditure involved is debitable to-

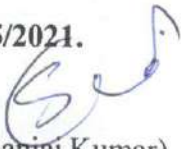
Demand No.88	Department of Science and Technology for the year 2021-22
3425	Other Scientific Research (Major Head)
60	Others
60.200	Assistance to Other Scientific Bodies (Minor head)
70	Innovation, Technology Development and Deployment
70.00.31	Grant-in-aid General for the year 2021-2022
	(Previous: TDP-3425.60.200.26.01.31-(SERI/WTI)
14. The amount of ₹ 15,47,440/- (**Rupee Fifteen Lakh, Forty Seven Thousand, and Four Hundred Forty Only**) will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to **Manav Rachna International University- Faridabad**. The bank details for electronic transfer of funds through RTGS are given below: -

Name of the Account Holder	MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES
Name of the bank	Indusind Bank
Branch Address	Indusind Bank, NIT Faridabad Branch, GF,1-A/268 NIT, New Town, Neelam -Bata Road, Faridabad 121001
Agency Code (PFMS)	MRIU
IFSC code	INDB0000702
Account Number	201003388847
MICR No.	110234066

15. No release of funds will be allowed beyond the 1st quarter of FY 2021-22 in case the Umbrella Scheme under which the Project is funded, is not appraised and approved by then.
16. It is mandatory to use EAT module in PFMS, failing which no further funds shall be released.
17. As per Rule 234 of GFR 2017, this sanction has been entered at S. No.38 (TMD,WE) in the register of grants maintained in the Division for the scheme(ITDD).
18. As per Rule 237 of GFR 2017, Time Schedule for submission of annual accounts - The dates prescribed for submission of the annual accounts for Audit leading to the issue of Audit Certificate by the Comptroller and Auditor General of India and for submission of annual report and audited accounts to the nodal Ministry for timely submission to the Parliament are listed below:-



- (i) Approved and authenticated annual accounts to be made available by the Autonomous Body to the concerned Audit Office and commencement of audit of annual accounts-30thJune
 - (ii) Issue of the final SAR in English version with audit certificate to Autonomous Body/Government concerned -31stOctober
 - (iii) Submission of the Annual Report and Audited Accounts to the Nodal for it to be laid on the Table of the Parliament -31stDecember.
19. The organization/Institute/University should ensure that the technical support/financial assistance provided to them by the Department of Science and Technology should invariably be Highlighted / acknowledged in their media releases as well as in bold letters in the opening paragraph of their Annual Report.
 20. It is important that the information and knowledge generated through the use of these funds are made publicly available as soon as possible. In order to achieve the aforementioned objectives, each institution is encouraged to set up its own inter-operable institutional open access repository ("IR") for its research papers and review articles published in peer reviewed journals. The Ministry of Science and Technology has set up a central harvester (www.sciencecentral.in) that will harvest the full text and metadata of these publications. Kindly update the findings accordingly.
 21. The organization named **Manav Rachna International University-Faridabad** and partnering institutes agrees to make reservations for Scheduled Castes and Scheduled Tribes or OBC in the posts or services under its control on the lines indicated by the Government of India.
 22. The goods (consumables/equipment) available in GeM portal are to be procured mandatorily online through GeM only.
 23. The Organization/Institute/University should ensure that DoE Guidelines followed for International Travel.
 24. This issues with the concurrence of IFD Vide their Concurrence Dy. No.277 dated 21/05/2021.


(Dr. Sanjai Kumar)
Scientist-D
Email: Sanjai.k@gov.in

1. Cash Section (3 copies) for preparing the bill and remitting the amount to the above grantee.
2. Accounts Section, DST, New Delhi.
3. IFD, Department of Science & Technology, New Delhi.
4. Director of Audit (CW & M-II), AGCR Building, IP Estate, New Delhi.

5. **Principal Investigator (PI)**

Name: Dr Arunangshu Mukherjee

Designation: Professor

Department: Department of Civil Engineering amp CA Water TampM , FET

Institute/University: MANAV RACHNA INTERNATIONAL UNIVERSITY- Faridabad

Address: AT25,CAWTM, Manav Rachna International University, Sector,43, Delhi-Surajkund Road, Faridabad – 121004.

Email: arunangshu.fet@mriu.edu.in, arunmuk102@gmail.com

Mobile: 9968805450

Co-Principal Investigator (Co-PI)

Name: Dr. Nidhi Didwania

Designation: Associate Professor,

Department: Department of Biotechnology

Institute/University: Manav Rachna International University- Faridabad

Address: Faculty of Engineering & Technology, Manav Rachna International Institute of Research & Studies
Faridabad, Haryana INDIA

Email: nidhididwania.fet@mriu.edu.in, nidhididwania77@gmail.com,

Mobile: 9971815521

Co-Principal Investigator (Co-PI)

Name: Dr. Pritam Paritosh Paul

Designation: Assistant Professor

Department: Department of Earth Sciences and Environment,

Institute/University: Manav Rachna International University- Faridabad

Address: Earth Sciences and Environment, Manav Rachna International Institute of Research and Studies
Faridabad- 121001 Haryana

Email: pritamgeo@gmail.com / Pritam.fet@mriu.edu.in

Mobile: +91-9654458127 / 9717352769

6. Sanction folder
7. Office Copy
8. Head- TMD(EWO)



(Dr. Sanjai Kumar)
Scientist-D

Department of Earth Sciences and Environment

CAWTM/WTI/DST/ 172
08 Oct 2021

To
The Executive Engineer
PWD, (B&R) Faridabad
Faridabad

Ref : FSC Ltd letter no FSCL/ENGG/2021/833 dated 18/08/2021 (copy enclosed)

Subject: Technology for Aquifer storage and recovery- DST project- regd.

Sir,
Please recall our discussions on 9th & 10th Oct 2021 at your chamber regarding above subject matter. Water Technology Mission, DST, Govt of India has financial support to the project "**Co-solving water logging and groundwater depletion issues in parts of Faridabad Smart City using Underground Taming of Flood Water for Aquifer Storage and Recovery**" The project will be implemented in following locations on the land of PWD and after completion of study for 3 years will be handed over to PWD for further use and maintenance. MCF/FSCL may replicate the model in other places as required.

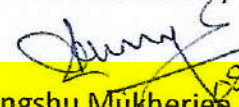
In this regard after joint inspection with you and your team three locations were identified

1. Officer Colony, Sector 15A, Faridabad
2. B&R Colony Sector-16A Faridabad
3. Circuit house Campus, Sector-16A Faridabad

The **NOC is required** for utilizing government land for construction of recharge structures by MRIIRS and research for three years only. It is to mention here that all the financial expenditure for the execution of this project will be made by CAWTM, MRIIRS through the fund obtained from DST, Govt of India and **PWD will have no financial obligation** in this regard.

Thanking you.

Yours sincerely


18/10/21

Dr Arunangshu Mukherjee
Prof & Head, Earth Sciences and Environment &
Director, CAWTM, MRIIRS

9968805450, 9910915450

arunangshu.fet@mriu.edu.in

Encl: 1.Copy to the Advisor, FSCL, Faridabad in reference to above cited It dated 18.8.2021



FARIDABAD SMART CITY LIMITED

Regd. Office.: Municipal Corporation Faridabad B.K Chowk N.I.T. Faridabad Haryana 121001
Corp. Office.: Plot No. 35, Nain Sadan, 3rd floor, Sector-20A, Faridabad
Email: faridabadsmartcitylimited@gmail.com | **Website:** -www.smartcityfaridabad.co.in
Tel: 9599780918 **GSTIN-06AACCF9193L1Z4**



To

Superintending Engineer
B&R Division, Faridabad.

Memo No. FSCL/ENGG/2021/833

Date: 18.08.2021

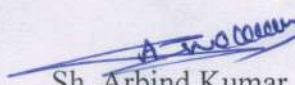
Subject: NOC for construction of recharge structure and transfer of rights regarding

Manav Rachna International Institute of Research and Studies in association with Faridabad Smart City Limited is planning to construct recharge structure in following listed locations for co-solving the water logging and groundwater depletion issue in parts of Faridabad Smart City area.

- Circuit house road, Sector 16A

This project is funded by Department of Science and Technology (DST), Government of India. The proposed structures are to be built in government land and after construction will be handed over to concerned department for further monitoring and maintenance after the project period of 36 months.

Faridabad Smart City Limited is associated in hand holding of Manav Rachna International Institute of Research and Studies in this project as the expected benefits are for Faridabad City area. The NOC is required for utilizing the government land for construction of recharge structure only. The NOC in this regard is required for a period of three years only to MRIIRS for execution of said project (representation of MRIIRS is attached for reference).


Sh. Arbind Kumar
Deputy General Manager (E)
Faridabad Smart City Limited, Faridabad

CC: -

1. Ld. CEO, FSCL- for kind information please.
2. Technical Advisor, FSCL- for kind information please.
3. Dr. Aunangshu Mukherjee, Director, CAWTM, MRIIRS.



PUBLIC WORKS DEPARTMENT (B & R), HARYANA
Office of Executive Engineer,
Provincial Division, PWD B&R Br., Faridabad.
Tele – 0129-2288187
Email ID: pwd-cepd1-faridabad@hry.nic.in



Memo No. 6627

Dated 9/11/2021

E-mail/ DAK

To

Sh Arbind Kumar
Deputy General Manager
Faridabad Smart City Limited, Faridabad
Email:- faridabadsmartcitylimited@gmail.com

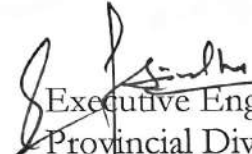
Subject: NOC for construction of recharge structure and transfer of rights regarding.

Reference: In continuation to this office letter no. 6195 dated 14.10.2021

In this connection, it is intimated that there is no objection of this office to conduct recharge structure in following listed locations is as under:

1. Officer Colony Park, Sector-15, Faridabad
2. PWD B&R Colony, Sector-16, Faridabad
3. Circuit House Campus, Sector-16A, Faridabad

DA/Nil



Executive Engineer,
Provincial Division,
PWD B&R Br., Faridabad.

Endst. No. 6628

/Dated: 9/11/2021

Copy of above is forwarded to Dr. Arunangshu Mukherjee, Prof. & Head, Earth Science and Environment & Director, CAWTM, MRIIRS (Email: arunangshu.fet@mriu.edu.in) for information and necessary action w.r.to his office letter no. CAWTM/WTI/DST/172 dated 08.10.2021.

DA/Nil.


Executive Engineer,
Provincial Division,
PWD B&R Br., Faridabad.