

### CRITERION-III

EVIDENCE(S), AS PER SOP

<b>METRIC No. 3.1.6, 3.2.1, 3.2.2, 3.2.3</b>	<p>Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR, and other recognitions by national and international agencies during the year</p> <p>Extramural funding for Research (Grants sponsored by non-government during the year (INR in Lakhs)</p> <p>Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)</p> <p>Number of research projects per teacher funded by government and non-government agencies during the year</p>
<ul style="list-style-type: none"><li>• E-copies of the grant award letters for research projects</li></ul>	

**PROFORMA-07**  
**Sponsored Research Summary**

Calendar Year	2023-24
Total No. of Sponsored Project	23
Total No. of Funding Agencies	07
Total Amount Received (Amount in Rupees)	3,90,28,536.00
Amount Received in words	Three Crore Ninety Lakh twenty eight thousand five hundred thirty six only

  
**Finance Controller**  
**R. B. S. UNIVERSITY**  
**RAIPUR (C.G.)**


A

**Sponsored Research Projects Details (Financial Year 2023-24)**

S.N.	Name of Faculty (Principal Investigator)	Name of Funding Agency	Title of the Project	Sanctioned order no. and date	Amount received (in Rupees)
01	Dr. Kamlesh Shrivastava, Chemistry	CCOST	"Development of Nano Sensor For – Inverainment of C.G. Region"	1050/CCOST/MRP/2023 Raipur Dated 03.01.2023	60,000.00
02	Dr. L.S. Gajpal Sociology		"Mobile Banking in Rural C.G. Covid 19 Period	2262/CCOST/2023 Raipur dated 21.03.2023	50,000.00
03	Dr. Bhanushree Gupta CBS		"Bio Social activities of of essential"	632/CCOST/2023 Raipur dated 08.08.2023	71,531.00
04	Dr. Amber Vyas Pharmacy		"Development Characterization of lipid carrier"	1734/CCOST/2023 Raipur Dated 19.03.2023	1,10,000.00
01	Dr. Sunil Kumeti Economics	IBITF-DST	"AI Driven Financial Empowerment : Fin Tech. for all Improving Financial Literacy ---- Tribe Community and Development of AI Based mobile application under the tribal area"	Ref No. IBITF/Note/TSP/Sactional Letter /2023-24/0257 dt. 15.11.2023	1,33,00,000.00
02	Dr. Nagendra Kumar Chandrawanshi, Biotech		"Traditional Knowledge of medicinal plants consumed by primitive Tribes of Bastar Chhattisgarh : Development of Database and Strology for value addition and sustainable ---"	Ref No. IBITF/Note/TSP/Sactional Letter /2023-24/0254 dt. 14.11.2023	21,86,800.00


  
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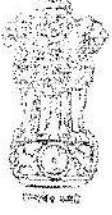
03	Dr. Rakesh Tirkey Pharmacy	IBITF-DST	"Development of Cast analysis based tools for enhancing the accessibility of medicine in the tribble population of Chhattisgarh "	Policy/IBITF/Note /TSP/Sanctioned letter/2023-24/0318 dt.19.12.2023	35.87.815.00
04	Dr. Nitesh Kumar Mishra AHICA		"Tribes Residing in Balaram pur District through Cultural Heritage"	Ref.No. IBITF/Note/TSP/Sactional Letter /2024-25/0028 dt. 29.01.2024	36.22.000.00
01	Dr. Ashish Kumar Gupta Management	"रत्नरू विद्यालय अभियान		LN.Sell/BSP/CSR/2023/23 dated 08.12.2023	27.93.890.00
01	Dr. L.S.Gajpal Sociology	ICSSR	" छत्तीसगढ़ राज्य के भूजिया जनजाति के सामाजिक, सांस्कृतिक मान्यता और सांस्कृतिक निरंतरता का समाजशास्त्रीय अध्ययन"	F.No.02/118/2022/23/OBC/TS//RP dt. 22.08.2023	7.30.000.00
02	Dr. Nister Kujur Sociology		" छ.ग. राज्य में जनजातिय समुदाय के आजीविका एवं अर्थिक विकास में अभिनियम 2006 की भूमिका का समीक्षात्मक अध्ययन"	F.No. 02//188/2022-23/ICSSR/MRP/ ST dt. 28.03.2023	6.00.000.00
03	Dr. Ashok Pradhan Anthropology		" Traditional Knowledge and Traditional Technology and -----of kamar PVTG of Chhattisgarh"	F.No. 02/48/2022-23/OBC/TS/RP dt.22.08.203	2.00.000.00
04	Dr. Archana Sethi Economics		"जनजातिय हरनरिाल्य चुनौतियाँ एवं समाधानएं छ.ग. के विशेष संदर्भ में	F.No ICSSR/RPD/MJ/2022-23/OBC/147 dt.26.12.2023	6.00.000.00
05	Dr. Tike Singh Gegography		छ.ग. राज्य के सरगुजा जिले की कंवर जनजाति की सामाजिक आर्थिक स्थिति एवं अध्ययन"	F.No ICSSR/RPD/MJ/2022-23/OBC/147 dt.26.12.2023	3.60.000.00
06	Dr. Alekh Kumar Sahu Law		"छ.ग. के अनुसूचित क्षेत्रों से संबंधित भूमि अधिग्रहण विवादों की विधिक स्थिति का	F.No ICSSR/RPD/MJ/2023-24/OBC/155 dt.22.12.2023	7.50.000.00

  
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			विरलेषण		
07	Dr. Nitesh Kumar Mishra AIHCA		"	F.No 02/166/GN/2021- 22/ICSSR/RP/MJ dt. 06.12.2023	80,000.00
08	Dr. Banso Nuruti Economics	ICSSR	" लोको के सामाजिक राजनीतिक चेतनाओं के विकास में जनजातिय नायकों के योगदान का ऐतिहासिक अध्ययन"	F.No 02/29/2022-2023/ST/S/RP dt. 22.08..2023	1,96,000.00
09	Dr. Hemlata Borkar wasnik Sociology		" समकालीन परिदृश्य में बरतारिया शिल्पकला एवं शिल्पकारी की दशा का ऐतिहासिक समाजशास्त्रीय एवं मानवीय अध्ययन	F.N./ICSSR/RPD/RPR /2023- 24/22 dt. 23.03.2024	14,00,000.00
10	Dr. Madhulata Bara Hindi		"	F.N./ICSSR/RPD/RPR /2023-24 dt. .03.2024	14,00,000.00
01	Dr. Nitesh Kumar Mishra, AIHCA	रायगढ़ जिला खनिज संस्थान (डी.एम.न्यास) रायगढ़	"रायगढ़ जिले के शैलीचित्र कला से संबंधित पुरास्थलों के अभिलेखीकरण एवं संरक्षण हेतु"	Letter No. 240/37208409 dt. 13.03.2024	16,00,000.00
01	Dr. Kamlesh Kumar Srivas Chemistry	SERB	"Design & Dev Colormetric----- Sensore	EMR/2016/005813 dt. 27.04.2023	1,70,500.00
02	Dr. Shamsh Pervez Chemistry		"Emission Characterisation and removal-----fiber based material"	File No CRG/2022/003926 dt. 22.03.2024	13,00,000.00
01	Dr. Ashok Pradhan Anthropology	मुख्य ब्रिकिस्ता एवं स्वास्थ्य अधिकारी	"The Study for the holistic development of pahawdi korwa & Birhor in the Jashpur	Letter No. 6/ मु वि. अ/ dt. 26.06.2023	38,60,000.00

  
**Finance Controller**  
**R.S.S. UNIVERSITY**  
**RAIPUR (C.G.)**



Dr. Pratishtha Pandey  
Scientist 'F' & Head  
R&D Infrastructure Division  
Email: pratishtha.tp@nic.in  
Tel.: 011-26590452

Dr. Pratishtha Pandey  
Scientist 'F' & Head  
R&D Infrastructure Division

SR/PURSE/2022/145

January 2023

Subject: Proposal under "PURSE 2022 Program (Special Call)" [TPN -84903]

Dear Sir,

Kindly refer to your captioned proposal submitted by Pandit Ravishankar Shukla University, Chhattisgarh for support under the PURSE 2022 Program (Special Call) of DST. I am pleased to inform you that the proposal has been in principle approved for support based on the recommendation of the Program Management Board (PMB). The details of the recommendation for 4 years' duration of the project are given below:

[Equipment -Rs 7.0 Crores {Scanning Electron Microscope with ED, Multiwavelength Thermal/Optical Carbon OC/EC Analyser, FTIR/Imaging spectrometer, Total VOC s PID Sensing monitors, BET Surface Area Analyzer, BTEX GC based Monitor, Gas Analyser (SO2, NOx, CO etc.), Steady state fluorescence Spectrophotometer, Electrospinning Machine, TL1/O5L Reader, 1400 C Atmosphere muffle furnace, Battery Analyzer, Potentiostat, 3D Printer and Screen Printer, SP Glove Box, Laser Machine, Tubular Furnace, PM2.5 high Volume Sampler, Fabrication of experimental Setup, Safety infrastructure for management of hazardous waste} Manpower -Rs 1.2 Crores {Laboratory Assistant/Technician/Technical Assistant/Field Assistant- 1 Nos, Project Associate-I- 3 Nos, Project Associate-II- 2 Nos }, Consumables-Rs. 0.80 crores, Seminar/Workshop/Conferences -Rs 0.2 Crores, Travel -Rs 0.1 Crores, Maintenance of Facilities -Rs 0.2 Crores, SSR Activities -Rs 0.1 Crores, Hand holding of Start-ups & Industrial Collaboration -Rs 0.2 Crores, Over Head charges- Rs 0.2 Crores].

**Total - Rs 10.0 Crores**

Over expenditure /Price Escalation towards any of the recommended budget heads will be borne by the University.

It may be noted that the allocations indicated now above with respect to any Equipment or any other budget heads are the Upper Limit of the Budget as they are purely based on recommendations. However, University shall now finally firm-up specifications/ configurations of each Equipment as recommended above to be acquired by the University and actual cost of this project shall be firm up based on budgetary estimates/quotations submitted. The type of equipment and its specifications/ configurations/other budget heads would not be possible to change during the course of implementation of the said project. PMB also recommended that a budget for safety infrastructure for the institutions shall be made mandatory for the proposals to be considered under PURSE Program. For enabling us to process the case further, including the release of 1<sup>st</sup> installment of grant now, you are requested to please upload the following documents you are requested to please upload the following documents by (20<sup>th</sup> January 2023) only through e-PMS web portal of the DST using the registered USER ID and PASSWORD:

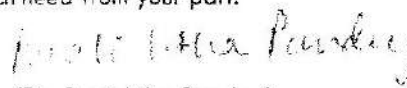
University are also requested for uploading all documents as a single PDF file through e-PMS web portal by 20<sup>th</sup> January 2023 in the following order:

Sr No	Documents required
1	Copy of this Award letter
2	The project implementation group (composition: Vice-Chancellor as Department Head in the project implementation) in a tabular form (Signed by Vice-Chancellor)
3	Total Budget summary sheet for 4 years
4	List of the Research Equipment with Cost in INR (as per quotation). Quotation page number in the whole pdf (one quotation for each equipment)
5	Detailed Plan/Component wise breakdown of Safety Instructions for management of hazardous waste along with Quotations
6	Budget summary for manpower sheet for 4 years (Designation, emoluments, HRA%) in a tabular form (as per DST OM SR/S9-Z-05/2019 Dated 10.07.2020)
7	Detailed plan for SSR and Hand holding of Start-ups & Industrial Collaboration (One page for each activity)
8	Duly signed copy of Terms & Conditions (Copy of the format is attached with this letter)
9	Bond Between DST and University (Format will be downloadable from <a href="http://www.fist-dst.org">http://www.fist-dst.org</a> ) this required only for private universities
10	Commitment letter from your institute (signed by Competent authorities) towards sharing 25% of the total sanctioned amount for the above said project (for Private Institutions)
11	Undertaking and Details of Bank A/c. (Guidelines and DM attached) to align your organization with the CNA system. For more details please see the link: <a href="https://dst.gov.in/sites/default/files/DST%20Science%20%20SR-SSTHC-B%20%20-%20CNA%20Particulars.pdf">https://dst.gov.in/sites/default/files/DST%20Science%20%20SR-SSTHC-B%20%20-%20CNA%20Particulars.pdf</a>
12	Details of Public Financial Management System (PFMS) registration of the University/Institute for Scheme: Science & Technology Institutional and Human Capacity Building (Code 1817)


Please do not send these documents in parts or by e-mail at the last moment. Incomplete documents submitted by university would be unable to process for releasing grants. Kindly send the above information along with acceptance for taking up the project at the earliest to enable us to process the project for release of grant. In case we do not receive the abovementioned documents/ information within 20<sup>th</sup> January 2023, it would be presumed that the university is not interested in this project and the offer would automatically stand withdrawn. Kindly Submit all the above-mentioned documents through e-PMS Web portal only.

Any further correspondence may please be sent directly to my colleague Dr. Shivaprasad (E-mail: [shiva.prasad@nic.in](mailto:shiva.prasad@nic.in); Phone: 011-29512324) he will be handling the project henceforth. I shall remain accessible to you for all project related matters, in case there is any such need from your part.

With best regards

  
(Dr. Pratishtha Pandey)

To,  
Prof. ManasKanti Deb  
School of Studies in Chemistry  
Pt. Ravishankar Shukla University  
Raipur Chhattisgarh 492010  
9425503750



Revathy Vishwanath  
Deputy Director  
RP Division Incharge  
Tel #011-26716690  
E-mail: rpsicssr@gmail.com

Indian Council of Social Science Research  
(Ministry of Education)  
JNU Institutional Area, Aruna Asaf Ali Marg  
New Delhi - 110067  
Website: [www.icssr.org](http://www.icssr.org)

SANCTION ORDER

Dated: 26-03-2022

F.No. 02/166/GEN/2021-22/ICSSR/RP/MJ

The Registrar,  
Pt. RaviShankar Shukla University,  
Raipur-492010, Chattisgarh

Subject: Sanction of Major Project entitled " Ethno-Archaeological study of Rock art In Chhattisgarh Region" to Dr. Nitesh Kumar Mishra, Assistant Professor, Pt. RaviShankar Shukla University, Raipur-492010, Chattisgarh.

Dear Sir,

The Indian Council of Social Science Research (ICSSR) considered the above Research Programme project submitted by Dr. Nitesh Kumar Mishra, Assistant Professor, Pt. RaviShankar Shukla University, Raipur-492010, Chattisgarh . Co-Project Directors of the study are: 1. Dr. Bhenu , Research Scholar, Pt. RaviShankar Shukla University, Raipur-492010, Chattisgarh

1. The study, as proposed by the researcher, is to be located at and financially administered by your institution as per the guidelines of this award.
2. The ICSSR has sanctioned a grant-in-aid of Rs.8,00,000 (Rupees Eight lakh only) for the above research project and the grant will be released as follows:

First instalment @40% :	Rs. 03,20,000/-
Second instalment @ 20%:	Rs. 02,40,000/-
Third instalment @ 10% :	Rs. 80,000/-
Fourth Instalment @10% :	Rs 80,000/-
Final instalment @15%:	Rs. 01,20,000/-
Publication Grant* @ 5-6% :	Rs. 40,000/-
<b>Total</b>	<b>Rs. 08,00,000/-</b>
Overhead charges over and above 5% or maximum Rs.1,00,000 :	Rs. 40,000/-**

(\* to be retained by the ICSSR. ICSSR would publish it subject to the recommendation by the expert and relevant Committees for the purpose, from the overall budget, so to be retained by the ICSSR).

\*\*will be released on successful completion of project after evaluation.  
(The break-up budget approved by the ICSSR of Rs. 08, 00,000/- is enclosed.





**IIT Bhilai Innovation and Technology Foundation**  
IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001  
CIN: U80902CT2021NPL011186 | PAN: AAFCI9961E | TAN: JBPI01305D  
Website: <https://www.ibitf.co.in/> | Email: [tih@iitbhilai.ac.in](mailto:tih@iitbhilai.ac.in)

**SANCTION LETTER**

Ref No:- IBITF/Note/TSP/SanctionLetter/2024-25/0028

Dated: 29-01-2024

To,

**Dr. Nitesh Kumar Mishra,  
Assistant Professor,  
Department of AIHC & Archaeology,  
Pt. Ravishankar Shukla University, Raipur**

**Sub: Administrative approval for the project entitled “Economic Upliftment of the Tribes Residing in Balrampur District Through their Cultural Heritage” under the Tribal Area Sub plan (TSP) scheme of IBITF.**

1. The undersigned is directed to convey the administrative approval of the competent Authority for the project titled “Economic Upliftment of the Tribes Residing in Balrampur District Through their Cultural Heritage” under the Tribal Area Sub plan (TSP) scheme of IBITF.
2. The total estimated cost of **Rs. 72,44,000 Lakhs (Rupees Seventy-Two Lakhs Forty-Four Thousand Only)** as support from IIT Bhilai Innovation And Technology Foundation (IBITF) over a period of **Two years** will be provided for this project. The grant for the first year will be disbursed initially, and the grant for the second year will be sanctioned based on the availability of funds and the project's performance. The project may be extended based on performance/availability of funds and requirement of IBITF.
3. It is recommended that the project be implemented through the Start-up to be incubated at Pt. Ravishankar Shukla University, Raipur by Dr. Nitesh Kumar Mishra.
4. The liability-free equity share for IBITF, not exceeding 8%, will be decided at the time of Start-up incorporation/suitable time.
5. The details of the project are given in Annexure-I enclosed.
6. This is issued with the approval of the Chairman, IIT Bhilai Innovation And Technology Foundation (IBITF).

**Prof. Santosh Biswas,  
Interim CEO & Project Director, IBITF**



## IIT Bhilai Innovation and Technology Foundation

IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001

CIN: U80902CT2021NPL011186 | PAN: AAFCI9961E | TAN: JBPI01305D

Website: <https://www.ibitf.co.in/> | Email: [tih@iitbhilai.ac.in](mailto:tih@iitbhilai.ac.in)

Copy To

1. The Director, Pt. Ravishankar Shukla University, Raipur
2. Dr. Nitesh Kumar Mishra, Assistant Professor, Department of AIHC & Archaeology, Pt. Ravishankar Shukla University, Raipur
3. Dr. Banso Nuruti, Assistant Professor, Department of History, Pt. Ravishankar Shukla University, Raipur
4. Mr. Ankit Diwan, Assistant Professor, Department of Tourism and Hotel Management, Pt. Ravishankar Shukla University, Raipur
5. Dean R&D, IIT Bhilai
6. Finance & Accounts Office, IIT Bhilai
7. CEO, IBITF
8. Project Director, IBITF

### Annexure-I

1	Title of the Project	Economic Upliftment of the Tribes Residing in Balrampur District Through their Cultural Heritage
2	Objective	<ul style="list-style-type: none"><li>● Enhance tribal livelihoods through tourism in Balrampur district.</li><li>● Document and preserve unique tribal culture and traditions.</li><li>● Connect tribal communities to tourism jobs for economic growth.</li><li>● Utilize natural beauty for economic empowerment and conservation.</li></ul>
2.1	Deliverables with TRL	As per the detailed proposal
2.2	Intermediate Milestones on a quarterly basis	As per the detailed proposal
2.3	Name of PI	Dr. Nitesh Kumar Mishra
3	Name of the Implementing Agencies and Status	IIT Bhilai Innovation And Technology Foundation
4	Name of Principal Investigator & Co-Principal Investigator	Dr. Nitesh Kumar Mishra, Assistant Professor, Department of AIHC & Archaeology, Pt. Ravishankar Shukla University, Raipur  Dr. Banso Nuruti, Assistant Professor, Department of History,





**IIT Bhilai Innovation and Technology Foundation**  
IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001  
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Website: <https://www.ibitf.co.in/> | Email: [tih@iitbhilai.ac.in](mailto:tih@iitbhilai.ac.in)

		Pt. Ravishankar Shukla University, Raipur Mr. Ankit Diwan, Assistant Professor, Department of Tourism and Hotel Management, Pt. Ravishankar Shukla University, Raipur
5	Expected duration of the project completion	2 years

**7. Total Project Outlay: Rs. 72,44,000 Lakhs (Rupees Seventy-Two Lakhs Forty-Four Thousand Only)**

Head	1st Year	2nd Year	Amount contributed by industry	Amount payable by IBITF
	(Rs. in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)
Equipment	0	0	Nil	0
Travel	3,00,000	3,00,000	Nil	6,00,000
Manpower	6,72,000	6,72,000	Nil	13,44,000
Training/Workshop	23,50,000	23,50,000	Nil	47,00,000
Contingencies & Consumables	3,00,000	3,00,000	Nil	6,00,000
<b>Grand Total</b>	<b>36,22,000</b>	<b>36,22,000</b>	<b>Nil</b>	<b>72,44,000</b>

**8. Mode and Extent of Funding:**

This funding is provided by the Department of Science and Technology, Government of India, under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS) for the Technology Innovation Hub (FINTECH) at IIT Bhilai. Thus, the commitment of the funds from IBITF is subject to the grants received from the funding organization, i.e., DST, Govt. of India.

**9. Other Terms & Conditions:**

The financial support for this project approved under the Tribal Area Sub plan (TSP) scheme of IIT Bhilai Innovation And Technology Foundation (IBITF) shall be subject to the conditions listed below. The PI/Co-PI shall agree to be governed by these conditions and provide a duly signed copy of this document to IBITF:

1. The amount shall be i) spent for the project within the specified time; and ii) Any portion of the grant, which is not ultimately required for expenditure for the approved purposes, shall be duly surrendered to IBITF.



## IIT Bhilai Innovation and Technology Foundation

IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001

CIN: U80902CT2021NPL011186 | PAN: AAFCI9961E | TAN: JBPI01305D

Website: <https://www.ibitf.co.in/> | Email: [tih@iitbhilai.ac.in](mailto:tih@iitbhilai.ac.in)

2. The PI/Co-PI shall maintain an audited record in the form of a register for permanent and semi-permanent assets acquired solely or mainly out of the funds received by IBITF.
  3. The assets referred to in (2) above will be the property of IBITF. The assets should not, without prior permission of IBITF, be disposed of, encumbered, or utilized for purposes other than those for which the grant has been sanctioned.
  4. In case the PI is unable to continue working on this project, the institute shall assign a Co-PI or a suitable person to be the PI of the project. In case no suitable person is identified, such assets, etc., shall revert to IBITF.
  5. The PI/Co-PI shall render progress-cum-achievement reports at intervals of not exceeding three months on all aspects of the project, including expenditure incurred on various approved items during the project.
  6. IBITF shall appoint an Evaluation Committee comprising representatives from IBITF and other experts; this committee will periodically (not exceeding three months) monitor the project in all aspects, including technical, financial, etc., and may suggest any changes to the proposed deliverables and timelines.
  7. The Auditor of IBITF will look into the utilization of grants for the intended purposes according to the directives issued by the DST Government of India.
  8. IBITF or its nominee(s) will have the right of access to the books and accounts of the PI/Co-PI/Start-up for which a reasonable prior notice would be given.
  9. PI/Co-PI/Start-up should not retain the sale proceeds of prototype, product, etc., fabricated due to the project's development arising directly from funds granted by the IBITF without its consent.
  10. The Intellectual property and its associated rights shall be owned jointly by the PI/Co-PI and IBITF. Both parties may share any royalties or other benefits generated by licensing such joint IP under mutually agreed terms on a case-to-case basis. The PI/Co-PI is expected to hive off a startup to deploy the system. In such a case, the IP could be transferred to the startup.
  11. In case of any dispute on any matter related to the project during its implementation, the decision of the IBITF shall be final and binding on the proposal, originating industry/industry consortium, and the PI/Co-PI/Start-up.
  12. Projects sanctioned under the Tribal Area Sub Plan (TSP) scheme of IBITF necessitate the conduction of stakeholder workshops. The PI must conduct these workshops on regular intervals to ensure feedback gathering, development & dissemination of tech-based solutions, and ease of adoption of such solutions by the local population.
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# रायगढ़ जिला खनिज संस्थान न्यास (डी. एम. एफ.)

कलेक्टर पेरिसर पोस्ट चक्रधरनगर रायगढ़ छत्तीसगढ़ 496001

फ़ोन -07762220310 ईमेल -raigarhdmf@gmail.com

## प्रशासकीय स्वीकृति आदेश

क्रमांक -240137208409

रायगढ़ / दिनांक - 13/03/2024

छत्तीसगढ़ जिला खनिज संस्थान न्यास नियम, 2015 के नियम 12 के पहले अनुच्छेद (पैरा) में दिये गए प्रावधान के अनुरूप रायगढ़ जिला खनिज संस्थान न्यास की शासी परिषद से अनुमोदन के प्रत्याशा में निम्नलिखित कार्य के लिए राशि रूपये ₹32,00,000.00 (बत्तीस लाख ₹) की प्रशासकीय स्वीकृति प्रदान की जाती है :-

प्रशासकीय स्वीकृति का विवरण								
कार्य का नाम -	रायगढ़ जिले के शैलचित्र कला से संबंधित पुरास्थलों के अभिलेखीकरण एवं संरक्षण के हेतु कुल राशि रु. 32,00,000.00 मात्र (अक्षरी:- राशि रु. बत्तीस लाख मात्र) हेतु							
कार्य की प्राथमिकता -	अन्य प्राथमिक कार्य							
सेक्टर -	सांस्कृतिक मूल्यों का संरक्षण / -							
सब सेक्टर -	खनन प्रभावित क्षेत्रों के समुदायो/निवासियों के मूल सांस्कृतिक मूल्यों के संरक्षण के लिये उपाय।							
कार्य की अवधि (दिनों में) -	365							
कार्य स्थल								
क्र.	कार्य स्तर	जिला	क्षेत्र	तहसील /नगरी निकाय	विकास खण्ड	ग्राम पंचायत	ग्राम/वार्ड	विधानसभा
1	District Level	RAIGARH	-	-	-	-	-	खरसिया
2	District Level	RAIGARH	-	-	-	-	-	धर्मजयगढ़
3	District Level	RAIGARH	-	-	-	-	-	रायगढ़
स्वीकृत क्षेत्र की स्थिति-	दोनों (प्रत्यक्ष एवं अप्रत्यक्ष प्रभावित क्षेत्र)							
तकनीकी स्वीकृति क्र /दिनांक -	904 / 05-02-2024							
तकनीकी स्वीकृति की राशि -	₹32,00,000.00 (बत्तीस लाख ₹)							
प्रशासकीय स्वीकृति की राशि -	₹32,00,000.00 (बत्तीस लाख ₹)							
प्रत्यक्ष प्रभावित क्षेत्र की राशि -	₹16,00,000.00 (सोलह लाख ₹)							
अप्रत्यक्ष प्रभावित क्षेत्र की राशि -	₹16,00,000.00 (सोलह लाख ₹)							
कार्य एजेंसी-	Registrar Pt. R.S.U. Raipur उच्च शिक्षा विभाग रायगढ़							

(प्रथम किश्त के रूप में राशि रु ₹16,00,000.00 ( सोलह लाख ) प्रदत्त की जाती है )

### यह स्वीकृति निम्न शर्तों के अधीन दी जाती है:-

- 1) प्राप्त धन राशि को स्वीकृत कार्य के अतिरिक्त अन्य कार्य में उपयोग न किया जावे।
- 2) स्वीकृत राशि का व्यय भंडार क्रय नियमानुसार किया जाना सुनिश्चित करें।
- 3) कार्य प्रारंभ करने से पूर्व कार्यस्थल का एक फोटोग्राफ्स, एवं कार्य पूर्ण होने पर प्रत्येक कोण से चार फोटोग्राफ्स लिया जाकर कार्य के अंतिम के मांग पत्र के साथ संलग्न करना अनिवार्य होगा।
- 4) कार्य स्थल पर स्थायी सूचना फलक लगाया जाये जिसमें कार्य से संबंधित सम्पूर्ण विवरण, डीएमएफ का लोगो, योजना का नाम, स्वीकृत राशि, कार्य प्रारंभ एवं कार्य पूर्णता दिनांक का उल्लेख अनिवार्य रूप से होना चाहिए।
- 5) अतिरिक्त आंबटन की प्रत्याशा में प्रशासकीय स्वीकृति की राशि से अधिक राशि का उपयोग किसी भी स्थिति में न किया जाये एवं प्रदत्त आंबटन का उपयोग इसी वित्तीय वर्ष में पुरा किया जाये।
- 6) न्यास से कार्य एजेंसी को प्राप्त राशि से अर्जित ब्याज की राशि व्यय करने हेतु कलेक्टर सह पदेन अध्यक्ष जिला रायगढ़ का अनुमोदन प्राप्त करना आवश्यक होगा।
- 7) ग्रामीण क्षेत्रों में हो रहे कार्यों को जीपीडीपी में अंकित कराना अनिवार्य होगा।
- 8) किसी भी स्थिति में प्रशासकीय स्वीकृति से अधिक व्यय न किया जावे, अधिक व्यय होने की स्थिति में जिम्मेदारी क्रियान्वयन एजेंसी की होगी।
- 9) निरीक्षण में कार्य की गुणवत्ता उच्च स्तरीय नहीं पाए जाने पर पुनः सुधार कार्य पर होने वाला व्यय संबंधित कार्य एजेंसी के द्वारा स्वयं अथवा संबंधित विभाग द्वारा वहां किया जावेगा।
- 10) कार्य एजेंसी का यह दायित्व होगा की कार्य प्रगति एवं राशि के व्यय के संबंध में रायगढ़ जिला खनिज संस्थान न्यास को प्रत्येक माह की 5 तारीख तक अनिवार्य रूप से प्रतिवेदन प्रेषित किया जावे।



कलेक्टर सह अध्यक्ष प्रबंध कारिणी समिति  
जिला खनिज संस्थान न्यास  
जिला - रायगढ़ (छ.ग.)

क्रमांक -240137208409

रायगढ़ / दिनांक - 13/03/2024

प्रतिलिपि :-

- 1) जिला खनिज संस्थान न्यास के पदेन सदस्य माननीय विधायक रायगढ़/खरसिया/धरमजयगढ़/लैलूंगा की ओर सूचनार्थ।
  - 2) व्यवस्थापक, छ.ग. जिला खनिज संस्थान न्यास एवं सचिव, छ.ग. शासन खनिज साधन विभाग, मंत्रालय, महानदी भवन, नया रायपुर (छ.ग.)
  - 3) सचिव छ.ग. शासन खनिज साधन विभाग, मंत्रालय महानदी भवन, नया रायपुर अटल नगर (छ.ग.)
  - 4) आयुक्त, बिलासपुर संभाग, बिलासपुर (छ.ग.)
  - 5) संचालक, भूमिको तथा खनिकर्म सेकेंड फ्लोर, ब्लाक 4, इंद्रावती भवन, नया रायपुर (छ.ग.)
  - 6) सदस्य सचिव, जिला खनिज संस्थान न्यास प्रबंधकारिणी समिति एवं मुख्य कार्यपालन अधिकारी, जिला पंचायत रायगढ़ (छ.ग.)
  - 7) Registrar Pt. R.S.U. Raipur (SoS in Ancient Indian History, culture & Archaeology, Pt. R.S.U. Raipur, C.G.) (कार्य एजेंसी)
  - 8) उप संचालक, जनसम्पर्क, रायगढ़, जिला रायगढ़ (छ.ग.)
- ..... की ओर सूचनार्थ एवं क्रमांक 7 को आवश्यक कार्यवाही हेतु।

**कलेक्टर सह अध्यक्ष प्रबंध कारिणी समिति**  
**जिला खनिज संस्थान न्यास**  
**जिला - रायगढ़ (छ.ग.)**





भारतीय इतिहास अनुसंधान परिषद्  
INDIAN COUNCIL OF HISTORICAL RESEARCH

स्वायत्त संस्थान, मानव संसाधन विकास मंत्रालय के अधीन (भारत सरकार)

An Autonomous Organisation Under the Ministry of HRD, Govt. of India

35, फिरोज़शाह मार्ग, नई दिल्ली - 110001  
35, Ferozeshah Road, New Delhi - 110001

Phone : 011-23387877, 23386033, 23382321

Fax : 011-23383421, 23387829

E-mail : ms@ichr.ac.in

: dd.admin@ichr.ac.in; dd.res@ichr.ac.in

Website : www.ichr.ac.in

Dr. Nitin Kumar  
Assistant Director (Research)  
Ph. No. 011- 23382580  
Email ID: adr.rp@ichr.ac.in

F.No.1-32/2019 -ICHR (GIA-III) RP

17.12.2019

Dear Dr. Nitesh Kumar Mishra,

Please refer to your application for the award of the ICHR's Research Project grant. I am pleased to inform you that the 159<sup>th</sup> meeting of the Research Projects Committee held on 13.12.2019 has approved the recommendations of Presentation cum Interview Committee on your Research Project proposal entitled 'Ethno Archaeological Study of Burial Practices (Megaliths) in Northern Chhattisgarh'

The Presentation-cum-Interview Committee of the Research Project recommended a sum of Rs.2,50,000/- (Rupees Two Lakh Fifty Thousand only) for a period of two years.

Please furnish the following information for processing your case further for releasing the grant.

1. Whether you are in receipt of any grant for this purpose from any other institution, and if so, the amount and the name of the funding institution may be sent to us to avoid duplication of the grant.
2. The date from which you intend to commence your work.
3. You are requested to avail of the grant within one year from the date of meeting of the Research Projects Committee failing which the grant will be treated as cancelled.
4. You are further requested to give an undertaking (Performa attached) stating 'I agree to abide by the Rules and to bind myself to fulfill the requirements of the fellowship or grant awarded and to refund to the ICHR any or all expenditure thereon incurred by the ICHR, if the work under the grant, as the case may be, is not properly carried out or is not completed in any manner whatsoever'.
5. You are requested to submit the following bank account details of your institute of affiliation to release the grant through the NEFT.RTGS.

(To be filled in Capital Letter only)

Details required of the Institutes of Affiliation

- a) Name of the Account Holder :
- b) Name of the Bank :
- c) Branch address :
- d) Account No. :
- e) IFSC Code :
- f) MICR Code :

Yours sincerely

(Nitin Kumar)

Encl: as above

Dr. Nitesh Kumar Mishra  
H.No. A-3, Teachers Colony  
Raipur, Chhattisgarh - 492010  
Cont. No. 9770014040  
Email: niteshmishra2011@gmail.com

Copy to:

1. The Registrar, Pt. Ravishankar Shukla University, Raipur (Chhattisgarh) - 492010





Speed Post/By Hand

Dr. S. N. Chari  
Deputy Director  
Incharge, RP Division  
Tel # 011-26742351  
Email: rpddivision@icssr.org

Indian Council of Social Science Research  
(Ministry of Education)  
Aruna Asaf Ali Marg, JNU Institutional Area  
New Delhi – 110067  
Website: [www.icssr.org](http://www.icssr.org)

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**SANCTION ORDER**

F. No. 02/48/2022-23/OBC/TS/RP

Dated: 22/08/2023

To

The Registrar  
Pt. Ravishankar Shukla University  
G.E. Road  
Raipur-492 010  
Chhattisgarh

<b>Subject:</b>	Sanction of Research Project entitled “ <b>Traditional Knowledge, Traditional Technology and Epistemology regarding Salvaging Nature of Kamar PVTG of Chhattisgarh.</b> ” to <b>Dr. Ashok Pradhan</b> under Special Call for the Studies on the Culture, History, and Geography of the Scheduled Tribes of India under ICSSR Research Projects
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Dear Sir/Madam,

1. The Indian Council of Social Science Research (ICSSR) approved the award of Research Project entitled “**Traditional Knowledge, Traditional Technology and Epistemology regarding Salvaging Nature of Kamar PVTG of Chhattisgarh.**” submitted by **Dr. Ashok Pradhan, Professor & Head, School of Studies in Anthropology** of your Institution.
2. The study, as proposed by the researcher, is to be located at and financially administered by your institution as per the guidelines of this award.
3. The ICSSR has sanctioned a grant-in-aid of **Rs.500000/- (Rupees Five Lacs Only)** for the above research project and the grant will be released as follows:

<b>First instalment (40% of the awarded grant)</b>	<b>Rs.200000/-</b>
<b>Second instalment (30% of the awarded grant)</b>	<b>Rs.150000/-</b>
<b>Final instalment (25% of the awarded grant)</b>	<b>Rs.125000/-</b>
<b>Publication Grant (5% of the awarded grant)</b> (ICSSR would retain this amount and publish the final accepted report subject to the recommendations by the expert / relevant committees, utilizing it from the overall budget)	<b>Rs.25000/-</b>
<b>Total</b>	<b>Rs.500000/-</b>
<b>Overhead charges over and above (5% of the awarded grant, subject to a maximum limit of Rs.1,00,000) (Released after successful completion of project)</b>	<b>Rs.25000/-</b>

Received  
16/9/2023  
S. N. Chari  
16/9/2023



4. The first installment of the approved grant-in-aid will be released after receiving the grant-in-aid bill (GIB) duly filled in, stamped and signed by the Project Director as well as the affiliating organization. (Needs to submit, if not yet submitted as per the award letter instructions).
5. In case, the study involves survey research, the finalized schedules/questionnaires (2 copies) designed to elicit information should be sent to the ICSSR as per the following schedule:
  - a) If the schedule /questionnaire for eliciting information is as per standard questionnaire, these will have to be sent to ICSSR immediately;
  - b) If the schedule /questionnaire for eliciting information are to be designed afresh keeping in view of the requirements of the project, these will have to be sent to the ICSSR within a period of six months in any case;
6. The second instalment will be released after receiving a satisfactory **six months** progress report in a prescribed format (available at ICSSR website) and so far completed chapters (hard copy) along with GIB (pre-receipt) and a simple statement of accounts with 60% and above utilization from the already released grant.
7. The scholar needs to submit a satisfactory book length Report of the study in soft copy (if required hard copy too) and he/she may need to incorporate all corrections, suggestions made by the expert and resubmit the final report in a publishable form.
8. Once the final Report accepts by the ICSSR, the final instalment will be released on the receipt of: (a) Statement of accounts with Utilization Certificate in GFR 12A form for the entire project amount duly signed by the Finance Officer/Registrar/Principal/Director of the affiliating institution (b) A certificate of statement of assets and books purchased out of the project fund issued by the affiliating institution (c) One published paper from the peer reviewed journal.
9. The scholar needs to acknowledge the support of ICSSR in all publications resulting from the project output (Research Paper, Books, Articles, Reports, etc.) and should submit a copy of the same to the ICSSR during its course/after completion.
10. The University/Institution of affiliation will provide office accommodation to the scholar, including furniture, library and research facilities, and messenger services. For this, the ICSSR shall pay the overhead charges at 5 % of the awarded budget of the project, subject to a maximum limit of Rs.1,00,000/- to the University/Institution of affiliation only after the successful completion of the project.
11. The Contingency Grant may be utilized for research and office assistance, books, stationary, computer cost, research assistance and the field work expenses of Project Director, Co-Project Directors and research personnel connected with the research work.
12. The accounts and the Utilization Certificate will be signed by the Finance Officer / Registrar / Principal / Director in the case of accounts of the institution are audited by CAG/AG. Otherwise, they need to be signed by the Finance Officer and the Chartered Account.
13. The Director of the research project will be **Dr. Ashok Pradhan**, who will be responsible for its completion within **12 Months** from the date of commencement of the project, which is **1<sup>st</sup> September 2023**.
14. In case, the Project Director does not submit the periodic / final project report as per schedule with adequate justification, the scholar may be debarred from availing all future financial assistance from the ICSSR.
15. All grants from the ICSSR are subject to the general provision of GFR 2005 and in particular with reference to the provision contained in GFR 209, GFR 210, GFR 211 and GFR 212.



**PROJECT BUDGET**

1. **Title: Traditional Knowledge, Traditional Technology and Epistemology regarding Salvaging Nature of Kamar PVTG of Chhattisgarh.**
2. **Name of the PD: Dr. Ashok Pradhan**
3. **Budget Allocations**

S. No.	Heads of Expenditure	Value
1	Research Staff : Full time/Part-time/Hired Services	Not exceeding 45% of the total budget.
2	Fieldwork: Travel/Logistics/Boarding, etc. including Books/Journals	Not exceeding 35%
3	Equipment and other Items: Computer, Printer etc / Source Material/Software and Data Sets, etc.	Not exceeding 10%
4	Contingency	Not exceeding 5%
5	Publication of Report	5%
	<b>TOTAL</b>	<b>100%</b>
	Affiliating Institutional Overheads charges ( <i>over and above the total cost of the project</i> )	@ 5% of the approved budget, subject to a maximum limit of Rs.1,00,000/-.

4. **Re-appropriation** of the expenditure from one sub-head to another, subject to a maximum of 10% of a particular budget heads will be allowed with the permission of the affiliating institution. If the study necessitates re-appropriation beyond 10%, it may be done only after the approval of the ICSSR. Retrospective payment for work already done is not permissible.

5. **Project Staff Selection, Remuneration/Emoluments and Qualifications:**

- a) Project staff could be engaged on a full/part-time basis during the research work and the employment duration may be decided by the Project Director.
- b) Selection of Research Staff should be done through an advertisement and a selection committee consisting of (1) Project Director; (2) One outside Expert (other than the institute where the project is located); (3) a nominee of the Vice Chancellor/Head of the Institution and (4) Head of the Department/Dean of relevant faculty duly approved by the competent authority.
- c) The consolidated monthly emoluments to the project staff may be decided by the Project Director as per the rates mentioned in the guidelines during the advertisement within the limits of the awarded budget as follows:

Sl. No.	Staff	Revised Rates	Qualification
1	Research Associate	Rs.20,000/- p.m.	Post graduate in social science discipline (55% minimum) with NET /M.Phil./ Ph.D
2	Research Assistant	Rs.16,000/- p.m	Ph.D./M.Phil./ Post graduate in social science discipline with minimum 55%)
3	Field Investigator	Rs.15,000/- p.m	Post Graduate in social science discipline (55% minimum)

6. **For all field work related expenses** of Project Director, Co-Director and project personnel, rules pertaining to affiliating institutes shall be followed.
7. **All equipment and books** purchased out of the project fund shall be the property of the affiliating institutions. On completion of the study, the Project Director shall submit an undertaking in this regard. The ICSSR, however, reserves the right to take charge of equipment and books, if it thinks it fit in a case.
8. **Purchase of equipment/ assets** for the research Project is permissible only if it is originally proposed and approved by the ICSSR and does not exceed the permissible amount.

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16. The Project Director will ensure that the expenditure incurred by him conforms to the approved budget heads and the grant-in-aid is subject to all the conditions laid down in the guidelines of the Research Projects.
17. The expenditure on this account is debatable to the **Budget Head-ICSSR (Scheme Code 0877); OH 31.09 Research Projects.**
18. All project instalments will be transferred through EAT Module of Public Financial Management System (PFMS) for ensuring transparency of expenditure at all levels and to ensure that there is no parking of funds with affiliating institution.
19. As per Ministry of Education, Govt. of India instructions, the amount of grant sanctioned herein is to be utilized **by the end of the project duration.** Any amount of the grant remaining unspent shall be refunded to the ICSSR immediately after the expiry of the duration of the project. If the grantee fails to utilize the grant for the purpose for which the same has been sanctioned/or fails to submit the audited statement of expenditure within the stipulated period, the grantee will be required to refund the amount of the grant with interest thereon @ 10% per annum.

Yours faithfully,



(Dr. S. N. Chari)

For MEMBER SECRETARY

Encl: As above.

Copy to:

1. ✓ Dr. Ashok Pradhan  
Professor & Head  
School of Studies in Anthropology  
Pt. Ravishankar Shukla University  
G.E. Road  
Raipur-492 010  
Chhattisgarh
2. Finance Branch, ICSSR, New Delhi
3. Record file



कार्यालय मुख्य निर्वाचन पदाधिकारी  
छत्तीसगढ़

इन्द्रावती खण्ड, पुराना मंत्रालय परिसर, रायपुर फोन न. 0771-2236685  
E mail-ccoraipur.cg@gov.in

फा क्र.01 / स्वीप / बेसलाईन सर्वे / 2023 / 1532 रायपुर, दिनांक 04 MAY 2023  
// वित्तीय स्वीकृति आदेश //

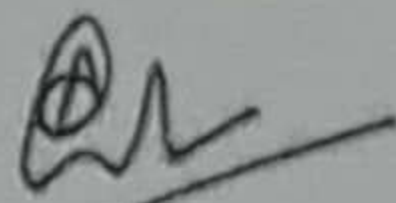
भारत निर्वाचन आयोग के निर्देशानुसार छत्तीसगढ़ विधानसभा आम निर्वाचन 2023 को दृष्टिगत रखते हुए छत्तीसगढ़ राज्य के समस्त 33 जिलों के सभी 90 विधानसभा क्षेत्रों में संभावित Baseline Survey 2023 कार्य, छत्तीसगढ़ राज्य के शासकीय उच्च शैक्षणिक संस्थानों से कराया जाना है। अनुमोदित निम्नानुसार संस्थानों को बेसलाईन सर्वे 2023 कार्य हेतु उनके नाम के समक्ष में अंकित राशि की स्वीकृति प्रदान की जाती है-

स.क्र	संस्थान-	संभाग	राशि रु
01	कुलसचिव, पंडित रविशंकर शुक्ल विश्वविद्यालय रायपुर (छ०ग०)	रायपुर,	6,80,000
02	प्राचार्य, राजीव गांधी शासकीय स्नातकोत्तर महाविद्यालय अंबिकापुर सरगुजा (छ०ग०)	सरगुजा	6,16,000
03	प्राचार्य, शासकीय बिलासा कन्या स्नातकोत्तर महाविद्यालय बिलासपुर (छ०ग०)	बिलासपुर	8,16,000
04	प्राचार्य, शासकीय भानुप्रताप देव स्नातकोत्तर महाविद्यालय कांकेर (छ०ग०)	बस्तर	5,88,000
05	प्राचार्य, शासकीय दिग्विजय स्नातकोत्तर महाविद्यालय राजनांदगांव (छ०ग)	दुर्ग,	6,80,000
योग-			33,80,000

अतः उपरोक्तानुसार शासकीय उच्च शैक्षणिक संस्थानों को आबंटित किये जाने वाले कुल राशि रु 33,80,000 (तीस लाख अस्सी हजार रुपये) मात्र अग्रिम आहरण किये जाने की स्वीकृति प्रदान की जाती है।

उपरोक्तानुसार देयक के भुगतान पर होने वाला व्यय राशि रु 33,80,000 (तीस लाख अस्सी हजार रुपये) मात्र FY 2023-24 हेतु राज्य शासन से प्राप्त आबंटन मांग संख्या 29-2015-निर्वाचन, (3307)-103-मतदाता सूचियों की तैयारी एवं मुद्रण #09-विज्ञापन एवं प्रचार-प्रसार मद से विकलनीय होगा।

(मुनिप. द्वारा अनुमोदित)

  
उप संचालक (वित्त)  
कार्यालय मुख्य निर्वाचन पदाधिकारी  
छत्तीसगढ़, रायपुर





Election Commission of India, New Delhi  
Sponsored and presented to  
Chief Electoral Officer, Chhattisgarh

End Line Survey Report  
2024

*(Summary)*

End line Survey of Knowledge, Attitude and Practices (KAP) of Citizens in  
Chhattisgarh

*spatil*  
Presented By  
Registrar

Pt. Ravishankar Shukla University, Raipur (C.G.)

REGISTRAR

Pt. Ravishankar Shukla University  
RAIPUR (Chhattisgarh)

*07/10/2024*  
Dr. L.S.Gajpal  
(Coordinator)

*Pradeep*  
Dr. Shalendra Kumar  
(Co-coordinator)

*07-10-2024*  
Dr. Nister Kujur  
(Coordinator)

*Pradeep*  
Dr. Pradeep Chourasia  
(Co-coordinator)



कार्यालय मुख्य निर्वाचन पदाधिकारी  
छत्तीसगढ़

इन्द्रावती खण्ड, पुराना मंत्रालय परिसर, रायपुर फोन न. 0771-2236685

E mail-ccoraipur.cg@gov.in

फा क्र.01/स्वीप/बेसलाईन सर्व/2023/3112 रायपुर, दिनांक 04 AUG 2023

// वित्तीय स्वीकृति आदेश //

भारत निर्वाचन आयोग के निर्देशानुसार छत्तीसगढ़ विधानसभा आम निर्वाचन 2023 को दृष्टिगत रखते हुए छत्तीसगढ़ राज्य के 05 संभाग के समस्त 33 जिलों के सभी 90 विधानसभा क्षेत्रों के संभागवार Baseline Survey Report (2023) को संकलित कर छत्तीसगढ़ का राज्य स्तरीय समेकित रिपोर्ट तैयार करने हेतु निम्नानुसार संस्थान को उनके नाम के समक्ष में अंकित राशि की स्वीकृति प्रदान की जाती है-

स.क्र	संस्थान-	राशि रु
01	कुलसचिव, पंडित रविशंकर शुक्ल विश्वविद्यालय रायपुर (छ०ग०)	1,85,000

(एक लाख पचासी हजार रुपये)

अतः उपरोक्तानुसार संस्थान कुलसचिव, पंडित रविशंकर शुक्ल विश्वविद्यालय रायपुर (छ०ग०) को कुल राशि रु 1,85,000 (एक लाख पचासी हजार रुपये) मात्र अग्रिम आहरण कर आबंटन प्रदाय किये जाने की स्वीकृति प्रदान की जाती है।

उपरोक्तानुसार होने वाला व्यय राशि रु 1,85,000 (एक लाख पचासी हजार रुपये) मात्र FY 2023-24 हेतु भारत निर्वाचन आयोग नई दिल्ली से प्राप्त सामान्य स्वीप आबंटन मद से विकलनीय होगा।

(मुनिप. द्वारा अनुमोदित)

उप संचालक (वित्त)

कार्यालय मुख्य निर्वाचन पदाधिकारी

छत्तीसगढ़, रायपुर

पृ क्र.01/स्वीप/बेसलाईन सर्व/2023/3113 रायपुर, दिनांक 04 AUG 2023

प्रतिलिपि-

01. कार्यालयीन लेखा शाखा की ओर सूचनार्थ प्रेषित।

02. कुलसचिव, पंडित रविशंकर शुक्ल विश्वविद्यालय रायपुर (छ०ग०) को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

उप संचालक (वित्त)

कार्यालय मुख्य निर्वाचन पदाधिकारी

छत्तीसगढ़, रायपुर





*Election Commission of India*

**End Line Survey Report of Knowledge, Attitude and  
Practices (KAP) of Voters  
in  
Raipur Division of Chhattisgarh  
Lok Sabha Election, 2024**

***Presented to***  
**Chief Electoral Officer, Chhattisgarh**

*SGSU*  
*16/10/24*  
***Presented By***  
**Registrar**

Pt. Ravishankar Shukla University, Raipur (C.G.)  
Pt. Ravishankar Shukla University  
RAIPUR (Chhattisgarh)

***Survey Conducted by***

SoS in Sociology and Social work  
Pt. Ravishankar Shukla University, Raipur (C.G.)

*10/10/24*  
**Dr. L.S.Gajpal**  
(Chief-Coordinator)

*10.10.2024*  
**Dr. Shailendra Kumar**  
(Co-coordinator)

*10.10.2024*  
**Dr. Nister Kujur**  
(Coordinator)

*10/10/2024*  
**Dr. Pradip Kumar Chourasia**  
(Co-coordinator)

# CHHATTISGARH STATE BIODIVERSITY BOARD

## छत्तीसगढ़ राज्य जैवविविधता बोर्ड

Aranya Bhavan, North Block, Sector-19, Atal Nagar, Dist.- Raipur (Chhattisgarh)  
अरण्य भवन, नॉर्थ ब्लॉक, सेक्टर-19, नवा रायपुर, अटल नगर (छत्तीसगढ़)

Phone & Fax No. 0771-2512807

Email : [cgmsbdb@gmail.com](mailto:cgmsbdb@gmail.com)

क्रमांक / जै.वि.बो. / 2040

रायपुर, दिनांक 08 / 11 / 2023

प्रति,

1. डॉ. सजल संजू देव (Principal Investigator)  
असिस्टेंट प्रोफसर  
रुंगटा कॉलेज ऑफ साईंस एंड टेक्नॉलॉजी, रायपुर
2. डॉ. नागेन्द्र कुमार चंद्रवंशी, असिस्टेंट प्रोफसर,  
बायोटेक्नॉलाजी प्रभाग, पं. आर.एस.शुक्ल विश्वविद्यालय, रायपुर

विषय—

Project Proposal on "Morphological, Biochemical & Molecular characterization of edible and poisonous Mushrooms of Forest of Mahasamund dist. Chhattisgarh".

संदर्भ—

आपके द्वारा प्रस्तुत संशोधित प्रस्ताव दिनांक 02.11.2023

विषयान्तर्गत आपके द्वारा प्रोजेक्ट प्रस्ताव "Morphological, Biochemical & Molecular characterization of edible and poisonous Mushrooms of Forest of Mahasamund dist. Chhattisgarh". व उसकी उपयोगिता के संबंध में विशेषज्ञ समिति के समक्ष दिनांक 24.08.2022 को प्रस्तुतीकरण प्रस्तुत किया गया था। समिति द्वारा दिए गए सुझावों के अनुसार तथा आपसे चर्चा उपरांत संदर्भित पत्र द्वारा edible and poisonous Mushrooms हेतु प्रस्तुत संशोधित प्रस्ताव को छत्तीसगढ़ राज्य जैवविविधता बोर्ड द्वारा स्वीकृति प्रदान करते हुए निम्नानुसार शर्तों पर कार्य आबंटित किया जाता है:—

- The project duration would be for 18 months with the sanction budget of Rs. 3.00 Lakhs.
- The project cited above has been recommended for minor research project from Chhattisgarh State Biodiversity Board for funding.
- You need to accept the budgetary recommendations.
- Disbursement of the budget would be 25% to start the project and 50% would be released after draft report submission, rest of the fund will be released completion of the work and approval of final technical report.
- Funds released shall be spent for the purpose of carrying out the sanctioned project and shall not be utilized other than proposed work plan.
- The accounting of the funds received under the project it is advisable to maintain a separate account.
- Expenditure under the sanctioned heads at any point of time should not exceed funds allocated under the heads without prior approval of board (CSBB)
- work should be more focused to documentation & distribution of edible & poisonous Mushrooms in Forest of Mahasamund Dist. of Chhattisgarh.
- Quarterly progress reports of the project should be submitted to the board.
- Kindly note that during the issues of sanction order or during the implementation of this project, if CSBB come across/ found that the project work involve in any activities to harm/ missuses of bio resources approval from Biodiversity Management Committee Environmental clearance, the project may be terminated without any notice
- Research publication and patents generated from this project should be acknowledgement to the Chhattisgarh State biodiversity Board.
- Two copies of project completion report (PCR) should be submitted to Chhattisgarh State Biodiversity Board.

उपरोक्तानुसार शर्तों पर आपके द्वारा कार्य करने की सहमति की स्थिति में अपना सहमति पत्र इस कार्यालय में प्रस्तुत करते हुए कार्य प्रारंभ करें।

सदस्य सचिव

छत्तीसगढ़ राज्य जैव विविधता बोर्ड,  
नवा रायपुर, अटल नगर





**IIT Bhilai Innovation and Technology Foundation**  
IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001  
CIN: U80902CT2021NPL011186 | PAN: AAFCI9961E | TAN: JBPI01305D  
Website: <https://www.ibitf.co.in/> | Email: [tih@iitbhilai.ac.in](mailto:tih@iitbhilai.ac.in)

**SANCTION LETTER**

**Ref No:- IBITF/Note/TSP/SanctionLetter/2023-24/0254**

**Dated:14-11-2023**

**To,**

**Dr. Nagendra Kumar Chandrawanshi,  
Assistant Professor,  
School of Studies in Biotechnology,  
Pt. Ravishankar Shukla University, Raipur**

**Sub: Administrative approval for the project entitled “Traditional knowledge of medicinal plants consumed by primitive tribes of Bastar Chhattisgarh: Development of database and strategy for value addition and sustainable livelihood via Fin-tech” under the Tribal Area Sub plan (TSP) scheme of IBITF.**

1. The undersigned is directed to convey the administrative approval of the competent Authority for the project titled “Traditional knowledge of medicinal plants consumed by primitive tribes of Bastar Chhattisgarh: Development of database and strategy for value addition and sustainable livelihood via Fin-tech” under the Tribal Area Sub plan (TSP) scheme .
2. The total estimated cost of **40,23,600 Lakhs (Rupees Forty Lakh Twenty Three Thousand Six Hundred Only)** as support from IIT Bhilai Innovation And Technology Foundation (IBITF) over a period of **Two years** will be provided for this project. The grant for the first year will be disbursed initially, and the grant for the second year will be sanctioned based on the availability of funds and the project's performance.

The project may be extended based on performance/availability of funds and requirement of IBITF.

3. It is recommended that the project be implemented through the Start-up to be incubated at Pt. Ravishankar Shukla University, Raipur by Dr. Nagendra Kumar Chandrawanshi.
4. The liability-free equity share for IBITF, not exceeding 8%, will be decided at the time of Start-up incorporation/suitable time.
5. The details of the project are given in Annexure-I enclosed.
6. This is issued with the approval of the Chairman, IIT Bhilai Innovation And Technology Foundation (IBITF).

**Prof. Santosh Biswas,**



**IIT Bhilai Innovation and Technology Foundation**  
IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001  
CIN: U80902CT2021NPL011186 | PAN: AAFCI9961E | TAN: JBPI01305D  
Website: <https://www.ibitf.co.in/> | Email: [tih@iitbhilai.ac.in](mailto:tih@iitbhilai.ac.in)

**Interim CEO & Project Director, IBITF**

Copy To

1. The Director, Pt. Ravishankar Shukla University, Raipur
2. Dr. Nagendra Kumar Chandrawanshi, Assistant Professor, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur
3. Dr. Manju Singh, Associate Professor, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur
4. Dr.Indrapal Karbhal, Assistant Professor, School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur
5. Dr. Keshav Kant Sahu, Professor & Head, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur
6. Dr.Deependra Singh, Assistant Professor, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur
7. Dean R & D, IIT Bhilai
8. Finance & Accounts Office, IIT Bhilai
9. CEO, IBITF
10. Project Director, IBITF

**Annexure-I**

<b>1</b>	Title of the Project	Traditional knowledge of medicinal plants consumed by primitive tribes of Bastar Chhattisgarh: Development of database and strategy for value addition and sustainable livelihood via Fin-tech
<b>2</b>	Objective	<ul style="list-style-type: none"><li>• The project will help preserve the rich traditional knowledge regarding medicinal plants of the Bastar community.</li><li>• The user-friendly web portal will provide valuable information for the local community of Bastar and other end users to enhance their health and well-being with promotion of rational use of medicinal plants.</li><li>• Sustainable cultivation practices will contribute to environmental conservation and plant species preservation.</li><li>• Wider accessibility: The inclusion of languages like Hindi and English will ensure accessibility to a wider audience, including local community, researchers and conservationists.</li></ul>
<b>2.1</b>	Deliverables with TRL	As per the detailed proposal
<b>2.2</b>	Intermediate Milestones on a quarterly basis	As per the detailed proposal
<b>2.3</b>	Name of PI	Dr. Nagendra Kumar Chandrawanshi



## IIT Bhilai Innovation and Technology Foundation

IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001

CIN: U80902CT2021NPL011186 | PAN: AAFCI9961E | TAN: JBPI01305D

Website: <https://www.ibitf.co.in/> | Email: [tih@iitbhilai.ac.in](mailto:tih@iitbhilai.ac.in)

3	Name of the Implementing Agencies and Status	IIT Bhilai Innovation And Technology Foundation
4	Name of Principal Investigator & Co-Principal Investigator	<p>Dr. Nagendra Kumar Chandrawanshi, Assistant Professor, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur</p> <p>Dr. Manju Singh, Associate Professor, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur</p> <p>Dr.Indrapal Karbhal, Assistant Professor, School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur</p> <p>Dr. Keshav Kant Sahu, Professor &amp; Head, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur</p> <p>Dr.Deependra Singh, Assistant Professor, University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur</p>
5	Expected duration of the project completion	2 years

### 7. Total Project Outlay: 40,23,600 Lakhs (Rupees Forty Lakh Twenty Three Thousand Six Hundred Only)

Head	1st Year	2nd Year	Amount contributed by industry	Amount payable by IBITF
	(Rs. in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)
Equipment	2,50,000	0	Nil	2,50,000
Travel	2,00,000	2,00,000	Nil	4,00,000
Manpower	13,36,800	13,36,800	Nil	26,73,600
Training/Workshop	2,00,000	1,00,000	Nil	3,00,000
Contingencies & Consumables	2,00,000	2,00,000	Nil	4,00,000



## IIT Bhilai Innovation and Technology Foundation

IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001

CIN: U80902CT2021NPL011186 | PAN: AAFCI9961E | TAN: JBPI01305D

Website: <https://www.ibitf.co.in/> | Email: [tih@iitbhilai.ac.in](mailto:tih@iitbhilai.ac.in)

<b>Grand Total</b>	<b>21,86,800</b>	<b>18,36,800</b>	<b>Nil</b>	<b>40,23,600</b>
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### 8. Mode and Extent of Funding:

This funding is provided by the Department of Science and Technology, Government of India, under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS) for the Technology Innovation Hub (FINTECH) at IIT Bhilai. Thus, the commitment of the funds from IBITF is subject to the grants received from the funding organization, i.e., DST, Govt. of India.

### 9. Other Terms & Conditions:

The financial support for this project approved under the Tribal Area Sub plan (TSP) scheme of IIT Bhilai Innovation And Technology Foundation (IBITF) shall be subject to the conditions listed below. The PI/Co-PI shall agree to be governed by these conditions and provide a duly signed copy of this document to IBITF:

1. The amount shall be i) spent for the project within the specified time; and ii) Any portion of the grant, which is not ultimately required for expenditure for the approved purposes, shall be duly surrendered to IBITF.
2. The PI/Co-PI shall maintain an audited record in the form of a register for permanent and semi-permanent assets acquired solely or mainly out of the funds received by IBITF.
3. The assets referred to in (2) above will be the property of IBITF. The assets should not, without prior permission of IBITF, be disposed of, encumbered, or utilized for purposes other than those for which the grant has been sanctioned.
4. In case the PI is unable to continue working on this project, the institute shall assign a Co-PI or a suitable person to be the PI of the project. In case no suitable person is identified, such assets, etc., shall revert to IBITF.
5. The PI/Co-PI shall render progress-cum-achievement reports at intervals of not exceeding three months on all aspects of the project, including expenditure incurred on various approved items during the project.
6. IBITF shall appoint an Evaluation Committee comprising representatives from IBITF and other experts; this committee will periodically (not exceeding three months) monitor the project in all aspects, including technical, financial, etc., and may suggest any changes to the proposed deliverables and timelines.
7. The Auditor of IBITF will look into the utilization of grants for the intended purposes according to the directives issued by the DST Government of India.
8. IBITF or its nominee(s) will have the right of access to the books and accounts of the PI/Co-PI/Start-up for which a reasonable prior notice would be given.





## **IIT Bhilai Innovation and Technology Foundation**

IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001

CIN: U80902CT2021NPL011186 | PAN: AAFCI9961E | TAN: JBPI01305D

Website: <https://www.ibitf.co.in/> | Email: [tih@iitbhilai.ac.in](mailto:tih@iitbhilai.ac.in)

9. PI/Co-PI/Start-up should not retain the sale proceeds of prototype, product, etc., fabricated due to the project's development arising directly from funds granted by the IBITF without its consent.
  10. The Intellectual property and its associated rights shall be owned jointly by the PI/Co-PI and IBITF. Both parties may share any royalties or other benefits generated by licensing such joint IP under mutually agreed terms on a case-to-case basis. The PI/Co-PI is expected to hive off a startup to deploy the system. In such a case, the IP could be transferred to the startup.
  11. In case of any dispute on any matter related to the project during its implementation, the decision of the IBITF shall be final and binding on the proposal, originating industry/industry consortium, and the PI/Co-PI/Start-up.
  12. Projects sanctioned under the Tribal Area Sub Plan (TSP) scheme of IBITF necessitate the conduction of stakeholder workshops. The PI must conduct these workshops on regular intervals to ensure feedback gathering, development & dissemination of tech-based solutions, and ease of adoption of such solutions by the local population.
-

File No.: **BT/PR39745/FCB/125/100/2020**

GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors  
CGO Complex, Lodhi Road,  
New Delhi- 110003  
Dated: 18/01/2024

**ADMINISTRATIVE ORDER**

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the implementation of the project entitled "**Evaluate ectomycorrhizal diversity in mining-disturbed and undisturbed forest ecosystems in Bastar region, generate metabolic activity profiles of forest ectomycorrhizae and propose best performing isolates for soil restoration**" for a period of 3 Year 0 Month at a total cost of Rs. **5980400** (Rupees Fifty Nine Lakhs Eighty Thousand Four Hundred Only) on the terms and conditions detailed here under: -

**2. The Project**

**2.1 Title:** Evaluate ectomycorrhizal diversity in mining-disturbed and undisturbed forest ecosystems in Bastar region, generate metabolic activity profiles of forest ectomycorrhizae and propose best performing isolates for soil restoration

**2.2. Details of the Investigators:**

**Project Coordinator/PI:**

**Dr. S Krishna Sundari**  
Professor  
Department of Biotechnology  
Jaypee Institute of Information Technology, Noida  
A-10, Sec-62, Noida, Uttar Pradesh, 201307

**PI:**

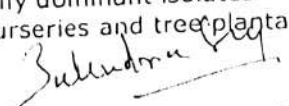
**Dr. KAMLESH SHUKLA**  
ASST PROFESSOR  
SOS IN BIOTECHNOLOGY  
Pt. Ravishankar Shukla University, Raipur Chhattisgarh

**2.3. Objectives**

**Overall Objectives:**

1. Survey of tropical deciduous EMF tree species from diverse Reserve and disturbed forest areas to collect wild, Ectomycorrhizal Mushrooms (EMF) in three successive seasons
2. Laboratory identification through morpho-taxonomy, biochemical and molecular approaches, Isolation of pure cultures, and maintaining a culture bank of collected EMF.
3. Assess microbial diversity and metabolic profiling of locally dominant isolates
4. Develop mycorrhizal inoculum for application in forest nurseries and tree plantations

**Institution wise Objectives:**  
**Jaypee Institute of Information Technology, Noida**

  
**Dr. BALENDRA SINGH**  
Scientist 'D'  
Department of Biotechnology  
Govt. of India  
C.G.O. Complex, Lodhi Road  
New Delhi-110003

**SCIENCE & ENGINEERING RESEARCH BOARD(SERB)**

(A statutory body of the Department of Science &amp; Technology, Government of India)

Science and Engineering Research Board  
3rd & 4th Floor, Block II  
Technology Bhavan, New Mehrauli Road  
New Delhi - 110016

Dated: 02 March, 2023

**ORDER**

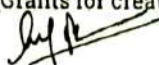
Subject: Financial Sanction of the research project titled **Emission Characterization and removal studies of hazardous gaseous pollutants at domestic heating sources using novel approaches of functionalize carbon fiber-based materials** under the guidance of Dr. Shamsh Pervez, Chemistry, Pt. Ravishankar Shukla University, G.e.road, amanaka, raipur, chhatisgarh, 492010, amanaka,Raipur, ct, Raipur, Chhattisgarh-492010 and by Dr. Indrapal Karbhal, Assistant Professor, School Of Studies In Chemistry, Pt. Ravishankar Shukla University - Raipur, Chhattisgarh, Pt. Ravishankar Shukla University - Release of 1st grant.

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned project at a total cost of **Rs. 7991240/-** (Rs. Seventy Nine Lakh Ninety One Thousand Two Hundred and Forty Only) with break-up of **Rs. 3625000/- under Capital (Non-recurring) head** and **Rs.4366240/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 7991240/-** has been approved are given below:

The following budget may be considered for **Pt. Ravishankar Shukla University, G.E.Road, Amanaka, Raipur, Chhatisgarh, 492010, Amanaka,Raipur, CT**

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> FTIR Multigas analyzer -> Hydrothermal Autoclave 200 mL -> TVOCs monitor -> High temperature Horizontal Tubular Furnace	3625000
<b>A'</b>	<b>Total (Non-Recurring)</b>	<b>3625000</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - I : (Research Personnel) Recurring - II : ( Consumables, Travel, Contingencies, Other Cost) Recurring - III : Scientific Social Responsibility	1350240 2280000 10000
2	Recurring - IV : (Overhead Charges)	726000
<b>B'</b>	<b>Total (Recurring)</b>	<b>4366240</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>7991240</b>


- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ([www.serb.gov.in](http://www.serb.gov.in)).
- Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.
- While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
- Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.
- As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.
- The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.
- The institute will furnish to the SERB, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited





statement of accounts pertaining to the grant immediately after the end of each financial year.

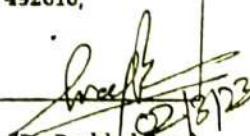
9. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.
10. The research personnel sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any. beyond the duration of the project
11. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.
12. The project File no. CRG/2022/003926 should be mentioned in all communications arising from the above project. The organization/institute/university should ensure that the technical support/financial assistance provided to them by SERB should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.
13. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by SERB.
14. Sanction order for release of funds under a) Non-recurring and b) Recurring will be issued separately depending on the availability of funds. The project become operational from the day the first release of grant received by the implementing Institute.

  
(Dr. Prahlad Ram)  
Scientist D  
prahlad@serb.gov.in

To,  
Under Secretary  
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	<p><b>Dr. Shamsh Pervez</b> <b>Chemistry</b> Pt. Ravishankar Shukla University, G.e.road, amanaka, raipur, chhatisgarh, 492010, amanaka, Raipur, ct, Raipur, Chhattisgarh-492010 Email: shamshpervez@gmail.com Mobile: 919425242455</p> <p><b>Dr. Indrapal Karbhal</b> School Of Studies In Chemistry, Pt. Ravishankar Shukla University - Raipur, Chhattisgarh Pt. Ravishankar Shukla University (Start date of the project may be intimated by name to the undersigned. For guidance, terms &amp; Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a>.)</p>
5.	<p><b>Finance Controller,</b> Pt. Ravishankar Shukla University, G.E.Road, Amanaka, Raipur, Chhatisgarh, 492010, Amanaka, Raipur, CT</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>

  
(Dr. Prahlad Ram)  
Scientist D  
prahlad@serb.gov.in



FILE NO. EEQ/2022/000967  
**SCIENCE & ENGINEERING RESEARCH BOARD(SERB)**  
(A statutory body of the Department of Science & Technology, Government of India)  
5Science and Engineering Research Board  
3rd & 4th Floor, Block II  
Technology Bhavan, New Mehrauli Road  
New Delhi - 110016

Dated: 20 March, 2023

**ORDER**

Subject: Financial Sanction of the research project titled **Fluorescence Resonance Energy Transfer (FRET) Pairs of Carbon Dots and Nanomaterials for Sensing and Imaging Applications** under the guidance of Dr. Manmohan Lal Satnami, School of Studies in Chemistry, Pt. Ravishankar Shukla University, G.e.road, amanaka, raipur, chhatisgarh, 492010, amanaka,Raipur, ct, Raipur, Chhatisgarh-492010 - Release of 1st grant.

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned project at a total cost of **Rs. 5026062/- (Rs. Fifty Lakh Twenty Six Thousand and Sixty Two Only)** with break-up of **Rs. 1998908/- under Capital (Non-recurring) head** and **Rs.3027154/- under General (Recurring) head** for a duration of 36 months. The items of expenditure for which the total allocation of **Rs. 5026062/-** has been approved are given below:

The following budget may be considered for **Pt. Ravishankar Shukla University, G.E.Road, Amanaka, Raipur, Chhatisgarh, 492010, Amanaka,Raipur, CT**

S. No	Head	Total (in Rs.)
<b>A</b>	<b>Non-recurring</b>	
1	Equipment -> Tunable optical source and Photoelectrochemical Cell	1998908
A'	Total (Non-Recurring)	<b>1998908</b>
<b>B</b>	<b>Recurring Items</b>	
1	Recurring - I : (Research Personnel) Recurring - II : ( Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	1350240 1200000 20000
2	Recurring - IV : (Overhead Charges)	456914
B'	Total (Recurring)	<b>3027154</b>
<b>C</b>	<b>Total cost of the project (A' + B')</b>	<b>5026062</b>

2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website ( www.serb.gov.in).

3. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER)** **This release is being made under Empowerment and Equity Opportunities for Excellence in Science. (Task force Committee) (SC)**

4. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

5. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

6. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.

7. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

8. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.



9. The institute will furnish to the SERB, separate Utilization certificate (UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

10. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

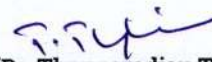
11. The research personnel sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project

12. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

13. The project File no. EEQ/2022/000967 should be mentioned in all communications arising from the above project. The organization/institute/university should ensure that the technical support/financial assistance provided to them by SERB should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

14. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by SERB.


15. Sanction order for release of funds under a) Non-recurring and b) Recurring will be issued separately depending on the availability of funds. The project become operational from the day the first release of grant received by the implementing Institute.

  
(Dr. Thangaradjou T)  
Scientist F  
ms\_eeq@serbonline.in

To,  
Under Secretary  
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	<b>Dr. Manmohan Lal Satnami</b> School of Studies in Chemistry Pt. Ravishankar Shukla University, G.e.road, amanaka, raipur, chhatisgarh, 492010, amanaka, Raipur, ct, Raipur, Chhattisgarh-492010 Email: manmohanchem@gmail.com Mobile: 918236005292 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	<b>Registrar,</b> Pt. Ravishankar Shukla University, G.E.Road, Amanaka, Raipur, Chhatisgarh, 492010, Amanaka, Raipur, CT  (Receipt of Grant may be intimated by name to the undersigned)

  
(Dr. Thangaradjou T)  
Scientist F  
ms\_eeq@serbonline.in



FILE NO. EEQ/2022/000967-G  
**SCIENCE & ENGINEERING RESEARCH BOARD(SERB)**  
(a statutory body of the Department of Science & Technology, government of India)

Science and Engineering Research Board  
3rd & 4th Floor, Block II  
Technology Bhavan, New Mehrauli Road  
New Delhi - 110016


Dated: 20 March, 2023

**ORDER**

Subject: Research project entitled **Fluorescence Resonance Energy Transfer (FRET) Pairs of Carbon Dots and Nanomaterials for Sensing and Imaging Applications** under the guidance of **Dr. Manmohan Lal Satnami**, School of Studies in Chemistry, **Pt. Ravishankar Shukla University**, G.e.road, amanaka, raipur, chhatisgarh, 492010, amanaka,Raipur, ct, Raipur, Chhattisgarh-492010.

1. In continuation of SERB's sanction order No. EEQ/2022/000967 dated 20 March, 2023, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs. 3027154/-** under 'Grants-in-aid General' to Pt. Ravishankar Shukla University, G.e.road, Amanaka, Raipur, Chhatisgarh, 492010, Amanaka,Raipur, Ct, Raipur, Chhattisgarh-492010 being the grant for the financial year 2022-2023 for implementation of the above said project.
2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website ([www.serb.gov.in](http://www.serb.gov.in)) and as mentioned in the sanction order of even number dated 20 March, 2023.
3. As this is the first grant being released under 'Grants-in-aid General' for the project, no previous U/C is required.
4. The expenditure involved is debitible to Fund for Science & Engineering Research (FSER) This release is being made under **Empowerment and Equity Opportunities for Excellence in Science. (Task force Committee) (SC)**.
5. The Sanction has been issued with the approval of the competent authority on **17 March, 2023** and vide Diary No. **SERB/F/11538/2022-2023** dated **17 March, 2023**.
6. The release amount of **Rs. 1003092/-** (Rupees Ten Lakh Three Thousand and Ninety Two only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:


PFMS Unique Code	CTRP00007183
Account Name	RSU SERB Project
Account Number	40538165747
Bank Name & Branch	State Bank of India SBI, Pt. Ravishankar Shukla University Branch, Raipur ,Pt. Ravishankar Shukla University Campus, Amanaka, G. E. Road, Raipur (Chhattisgarh)-492010, 0771-2262725, 2263939, <a href="mailto:sbi.03739@sbi.co.in">sbi.03739@sbi.co.in</a>
IFSC/RTGS Code	SBIN0003739
Email id of A/C Holder	<a href="mailto:financeprsu@gmail.com">financeprsu@gmail.com</a>
Email id of PI	<a href="mailto:manmohanchem@gmail.com">manmohanchem@gmail.com</a>

  
(Dr. Thangaradjou T)  
Scientist F  
[ms\\_eeq@serbonline.in](mailto:ms_eeq@serbonline.in)

To,  
Under Secretary  
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	<b>Dr. Manmohan Lal Satnami</b> School of Studies in Chemistry <b>Pt. Ravishankar Shukla University</b> , G.e.road, amanaka, raipur, chhatisgarh, 492010, amanaka,Raipur, ct, Raipur, Chhattisgarh-492010 Email: <a href="mailto:manmohanchem@gmail.com">manmohanchem@gmail.com</a> Mobile: 918236005292 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	<b>Registrar,</b> <b>Pt. Ravishankar Shukla University, G.E.Road, Amanaka, Raipur, Chhatisgarh, 492010, Amanaka,Raipur, CT</b> (Receipt of Grant may be intimated by name to the undersigned)

  
(Dr. Thangaradjou T)  
Scientist F  
[ms\\_eeq@serbonline.in](mailto:ms_eeq@serbonline.in)


Dated: 20 March, 2023

**ORDER**

Subject: Research project entitled **Fluorescence Resonance Energy Transfer (FRET) Pairs of Carbon Dots and Nanomaterials for Sensing and Imaging Applications** under the guidance of Dr. Manmohan Lal Satnami, School of Studies in Chemistry, Pt. Ravishankar Shukla University, G.e.road, amanaka, Raipur, Chhatisgarh, 492010, amanaka, Raipur, ct, Raipur, Chhatisgarh-492010.

1. In continuation of SERB's sanction order No. EEQ/2022/000967 dated 20 March, 2023, sanction of the competent authority is hereby accorded to the payment of a sum of **Rs.1998908/-** under 'Grants-in-aid Capital' to Pt. Ravishankar Shukla University, G.e.road, Amanaka, Raipur, Chhatisgarh, 492010, Amanaka, Raipur, Ct, Raipur, Chhatisgarh-492010 being the grant for the financial year 2022-2023 for implementation of the above said project.
2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at the website ([www.serb.gov.in](http://www.serb.gov.in)) and as mentioned in the sanction order of even number dated 20 March, 2023.
3. As this is the first grant being released under 'Grants-in-aid Capital' for the project, no previous U/C is required.
4. The expenditure involved is debit to Fund for Science & Engineering Research (FSER) This release is being made under **Empowerment and Equity Opportunities for Excellence in Science. (Task force Committee) (SC)**.
5. The Sanction has been issued with the approval of the competent authority on **17 March, 2023** and vide Diary No. **SERB/F/11537/2022-2023** dated **17 March, 2023**.
6. The release amount of **Rs. 1998908/-** (Rupees Nineteen Lakh Ninety Eight Thousand Nine Hundred and Eight only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

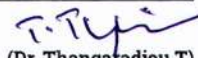
PFMS Unique Code	CTRP00007183
Account Name	RSU SERB Project
Account Number	40538165747
Bank Name & Branch	State Bank of India SBI, Pt. Ravishankar Shukla University Branch, Raipur, Pt. Ravishankar Shukla University Campus, Amanaka, G. E. Road, Raipur (Chhatisgarh)-492010, 0771-2262725, 2263939, sbi.03739@sbi.co.in
IFSC/RTGS Code	SBIN0003739
Email id of A/C Holder	financeprsu@gmail.com
Email id of PI	manmohanchem@gmail.com

  
(Dr. Thangaradjou T)  
Scientist F  
ms\_eeq@serbonline.in

To,  
Under Secretary  
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
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4.	<b>Dr. Manmohan Lal Satnami</b> School of Studies in Chemistry Pt. Ravishankar Shukla University, G.e.road, amanaka, Raipur, Chhatisgarh, 492010, amanaka, Raipur, ct, Raipur, Chhatisgarh-492010 Email: manmohanchem@gmail.com Mobile: 918236005292 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a> .)
5.	<b>Registrar,</b> Pt. Ravishankar Shukla University, G.E.Road, Amanaka, Raipur, Chhatisgarh, 492010, Amanaka, Raipur, CT (Receipt of Grant may be intimated by name to the undersigned)

  
(Dr. Thangaradjou T)  
Scientist F  
ms\_eeq@serbonline.in





# छत्तीसगढ़ विज्ञान एवं प्रौद्योगिकी परिषद

## Chhattisgarh Council of Science & Technology

Vigyan Bhawan, Vidhan Sabha Road, Daldal Seoni, Raipur, (C. G.) 492 001  
Ph.(Off.) 0771-2972947, Fax 0771-2972947, Email dgccost@gmail.com, Web.cgcost.nic.in

No...../CCOST/MRP/2023

Raipur, Date: 03/01/2023

### Sanction Order

To

The Registrar  
Pt. Ravishankar Shukla University  
Raipur (C. G)

**Sub:** Sanction of Mini Research Project entitled 'Development of Nano- Sensor for Detection of Harmful Microorganisms and Chemical Substances from Foods and environmental Samples of Chhattisgarh Region'.

**Ref:** Mini Research Project proposal of Dr. Kamlesh Kumar Shrivastava, Associate Professor, School of studies in Chemistry, Pt. Ravishankar Shukla University, Raipur (C. G).

**Principal Investigator:** Dr. Kamlesh Kumar Shrivastava, Associate Professor, School of studies in Chemistry, Pt. Ravishankar Shukla University, Raipur (C. G)

Chhattisgarh Council of Science & Technology hereby acknowledges that the Mini Research Project Proposal submitted by the Principal Investigator Dr. Kamlesh Kumar Shrivastava was evaluated by experts and as per the recommendation of the experts found it fit for sanction.

The Council hereby sanctions Rs. 4,00,000/- (Rs. Four Lakhs only) for completing the Project, within a period of three years with effect from receiving of first installment. The sanction is accorded with following terms and conditions:-

1. The Grant -in - Aid would be released through the Head of the Institution who would be responsible for proper utilization of the grant.
2. **Release of Funds:**
  - I. The contingency amount sanctioned for the research Project will be released immediately by the Council for respective year.
  - II. The amount required under Project Fellow Remuneration head will be released after the receipt of information about the appointment of the Project Fellow with the details in the prescribed format enclosed herewith.
  - III. The equipments and other items sanctioned under the Project are to be purchased through purchase section as prevailing rules in the concerned organization.
  - IV. The amount under equipment head will released after submission of recommendation of purchase committee of your institute and approval of Head of the institute.



- V. On completion of the Project the equipment and other articles purchased from the Council's fund are to be used by the respective organization for further research. Council may withdraw the equipments if required.
3. **Appointment and remuneration payment of Project Fellow:**
    - I. The appointment of project fellows should be done through advertisement or circular through proper selected process.
    - II. An external subject expert and an officer/scientist nominated by the council should be compulsorily included in the selection committee.
    - III. As per the approval regular payment of project fellow's remuneration should be ensured by the project implemented institution.
    - IV. Ensure that the information about regular payment of monthly remuneration of Project Fellow is sent to the Council every 6 months.
  4. This sanction is subject to the condition that the grantee institution will furnish to the Council of Science & Technology, Financial year wise annual progress report and 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 year from the scheduled date of completion of the project.
  5. The grantee institution will have to send the utilization certificate (UC) in physical form to this Council. The subsequent/final installment will be released only after confirmation of the acceptance of the UC by the Council.
  6. The grant-in aid being released is subject to the condition that:
    - i. A transparent procurement procedure in line will be followed by the Institution under the appropriate rules of the grantee institution while procuring capital assets sanctioned for the above mentioned project and a certificate to the effect will be submitted by the Grantee institution immediately on receipt of the grant.
    - ii. While submitting Utilization Certificate/ Statement of Expenditure, the institution 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.
    - iii. The grantee institution will maintain separate audited account for the Project and the entire amount of grant will be kept in an interest bearing bank account. The interest earned /accrued should be reported to the Council (financial year wise) while submitting the statement of expenditure /UC thus earned will be treated as a credit to the grantee institution, which will be adjusted towards future release of grant.



- iv. Council reserves sole rights on the assets created out of grants. Assets procured wholly or substantially out of Council's grants (except those declared as obsolete and unserviceable or condemned in accordance with the existing procedure), shall not be disposed off without obtaining the prior approval of the Council.
- v. The account of the grantee institution shall be open to inspection by the sanctioning authority and audit, whenever the institution is called upon to do so.
- vi. Members of the expert committee or Scientists of the Council may visit the institution to oversee the progress of research during the period.
- vii. The Council reserves the right to terminate the Project, if progress of the work is not found satisfactory.
- viii. Annual progress report of the work carried out is required to be submitted to the Council within one-month from the utilization of the fund.
- ix. Publication of the research data of the Project should be done by duly acknowledging the role played by the Council in funding/ part funding of the Project. Due acknowledgment of technical support / financial assistance resulting from the Project grant should mandatorily be highlighted by the grantee institution in bold letters in the publication /media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the Project.
- x. If the Mini Research Project leads to any patent filing, then such filings are to be communicated to the Council.
- xi. The conclusion and result of the Project must have remarks on future further research.
- xii. Conclusion may include technology developed or any entrepreneurship model which may be developed based on this Mini Research Project.
- xiii. Procedure laid down for appointment of Staff by the Institution concerned must be strictly followed.
- xiv. Prior approval of the Council for purchase of equipment costing more than Rs. 10,000/- would be necessary. Equipment purchased out of this project grant will be the property of the Council and it should be entered as such in the stock register of the institution with a copy to the Council. The Council normally does not approve the purchase of any major equipment from its grants, except for exceptional cases.
- xv. Proper separate record of purchase, stock entries, breakages & losses should be maintained for verification. On completion of the Project the equipment and other articles purchased from Council's fund can be used by respective organization and it should be returned to the Council in working position if Council desires it back.



7. Failure to comply with the terms & conditions of this sanction letter will entail full refund with interest from the grantee institution to the Council.

**II Budget:**

- (a) Total amount sanctioned Rs. 4,00,000/- .  
(b) Period- Three years, from January 2023 to December 2026.  
(c) Break-up of the budget:

Sl	Budget Head	1 <sup>st</sup> year (Rs.)	2 <sup>nd</sup> year (Rs.)	3 <sup>rd</sup> year (Rs.)	Total (Rs.)
1	<b>Project Staff Remuneration:</b> One Field Assistant @ Rs. 5,000/- per month	60,000/-	60,000/-	60,000/-	1,80,000/-
2	<b>Contingencies:</b>				
i	Chemicals and Glassware's etc.	50,000/-	40,000/-	40,000/-	1,30,000/-
ii	Stationary etc.	15,000/-	10,000/-	10,000/-	30,000/-
iii	TA for field work only	25,000/-	20,000/-	10,000/-	55,000/-
	<b>Total (Rs.)</b>	<b>1,50,000/-</b>	<b>1,30,000/-</b>	<b>1,20,000/-</b>	<b>4,00,000/-</b>

(d) Additional released, if any Rs.— nil.

As per above, please find enclosed a Cheque for Rs. 90,000/- (Rs. Sixty Thousand only) bearing Cheque no. 416116 dated 28.12.2022 of State Bank of India, Saddu Branch, Raipur under 1<sup>st</sup> year contingencies head (Chemicals and Glassware's etc.: Rs. 50,000/-, Stationary etc.: Rs. 15,000/- and Stationary etc.: Rs. 25,000/-) of Mini Research Project.

Please acknowledge with receipt of the Cheque for our office records.

**NOTE:**

1. Please ensure to comply with the above terms & conditions.

Encl: Cheque no. 416116 dated 28.12.2022 of State Bank of India, Saddu Branch, Raipur, Rs.90,000/-

(As approved by Director General)

(Dr. Tribhuvan Singh)  
Scientist 'E'

Endt. No.....1051.../CCOST/MRP/2023

Raipur, Date: 03/01/2023

Copy for information and necessary action to:

1. Principal Investigator: Dr. Kamlesh Kumar Shrivastava, Associate Professor, School of studies in Chemistry, Pt. Ravishankar Shukla University, Raipur (C. G).
2. Concerned file.

Scientist 'E'



**IIT Bhilai Innovation and Technology Foundation**  
IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001  
CIN: U80902CT2021NPL011186 | PAN: AAFCI9961E | TAN: JBPI01305D  
Website: <https://www.ibitf.co.in/> | Email: [tih@iitbhilai.ac.in](mailto:tih@iitbhilai.ac.in)

**SANCTION LETTER**

Ref No:- IBITF/Note/TSP/SanctionLetter/2023-24/0257

Dated:15-11-2023

To,

**Dr. Sunil Kumar Kumeti,  
Assistant Professor,  
School of Studies in Economics,  
Pt. Ravishankar Shukla University Raipur (C.G.)**

**Sub: Administrative approval for the project entitled “AI-Driven Financial Empowerment: FinTech for All: Improving Financial Literacy & Inclusion in the Scheduled Tribe Community and Development of an AI-Based Mobile Application” under the Tribal Area Sub plan (TSP) scheme of IBITF.**

1. The undersigned is directed to convey the administrative approval of the competent Authority for the project titled “AI-Driven Financial Empowerment: FinTech for All: Improving Financial Literacy & Inclusion in the Scheduled Tribe Community and Development of an AI-Based Mobile Application” under the Tribal Area Sub plan (TSP) scheme of IBITF.
2. The total estimated cost of **Rs 1,33,00,000 Lakhs (Rupees One Crore Thirty Three Lakh Only)** as support from IIT Bhilai Innovation And Technology Foundation (IBITF) over a period of **One year** will be provided for this project.

The project may be extended based on performance/availability of funds and requirement of IBITF.

3. It is recommended that the project be implemented through the Start-up to be incubated at Pt. Ravishankar Shukla University Raipur (C.G.) and Technology by Dr. Sunil Kumar Kumeti.
4. The liability-free equity share for IBITF, not exceeding 8%, will be decided at the time of Start-up incorporation/suitable time.
5. The details of the project are given in Annexure-I enclosed.
6. This is issued with the approval of the Chairman, IIT Bhilai Innovation And Technology Foundation (IBITF).

**Prof. Santosh Biswas,  
Interim CEO & Project Director, IBITF**

Copy To

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## IIT Bhilai Innovation and Technology Foundation

IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001

CIN: U80902CT2021NPL011186 | PAN: AAFCI9961E | TAN: JBPI01305D

Website: <https://www.ibitf.co.in/> | Email: [tih@iitbhilai.ac.in](mailto:tih@iitbhilai.ac.in)

1. The Director, Pt. Ravishankar Shukla University Raipur (C.G.)
2. Dr. Sunil Kumar Kumeti, Assistant Professor, School of Studies in Economics, Pt. Ravishankar Shukla University Raipur (C.G.)
3. Dr. Nister Kujur, Professor & Head, School of Studies in Sociology, Pt. Ravishankar Shukla University Raipur (C.G.)
4. Dr. L. S. Gajpal, Professor, School of Studies in Sociology, Pt. Ravishankar Shukla University Raipur (C.G.)
5. Dr. Sanjay Kumar, Professor, School of Studies in Computer Science, Pt. Ravishankar Shukla University Raipur (C.G.)
6. Dr. V. K. Patle, Associate Professor, School of Studies in Computer Science, Pt. Ravishankar Shukla University Raipur (C.G.)
7. Dr. Kavita Thakur, Professor & Head, School of Studies in Electronics and Photonics, Pt. Ravishankar Shukla University Raipur (C.G.)
8. Dr. Kallol Kumar Ghosh, Professor & Head, School of Studies in Chemistry, Pt. Ravishankar Shukla University Raipur (C.G.)
9. Dr. Nameeta Brahme, Professor & Head, School of Studies in Physics and Astrophysics, Pt. Ravishankar Shukla University Raipur (C.G.)
10. Dr. Keshav Kant Sahu, Professor & Head, School of Studies in Biotechnology, Pt. Ravishankar Shukla University Raipur (C.G.)
11. Dr. Tike Singh, Assistant Professor, School of Studies in Geography, Pt. Ravishankar Shukla University Raipur (C.G.)
11. Dr. Indrapal Karbhal, Assistant Professor, School of Studies in Chemistry, Pt. Ravishankar Shukla University Raipur (C.G.)
12. Dr. Shivendra Singh Dewhare, Assistant Professor, School of Studies in Life Science, Pt. Ravishankar Shukla University Raipur (C.G.)
13. Dean R&D, IIT Bhilai
14. Finance & Accounts Office, IIT Bhilai
15. CEO, IBITF
16. Project Director, IBITF

### Annexure-I

1	Title of the Project	AI-Driven Financial Empowerment: FinTech for All: Improving Financial Literacy & Inclusion in the Scheduled Tribe Community and Development of an AI-Based Mobile Application
2	Objective	<ul style="list-style-type: none"><li>● Help beneficiaries from ST community to obtain relevant financial suggestions like basic saving options, investment portfolio for low to mid-low-income groups, micro-financing, micro-insurance, availing government promotional schemes.</li><li>● Connect with the trusted financial institute to associate with for microloans, investments, micro-insurance etc.</li><li>● Spread financial literacy on the basic banking and financial services which will be used by these target beneficiaries on a day-to-day basis.</li></ul>





## IIT Bhilai Innovation and Technology Foundation

IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001

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		<ul style="list-style-type: none"><li>• Developed in the local/regional language for ease of usage by the ST community.</li><li>• Understand the local requirements and integrate tailored community-based solutions.</li></ul>
2.1	Deliverables with TRL	As per the detailed proposal
2.2	Intermediate Milestones on a quarterly basis	As per the detailed proposal
2.3	Name of PI	Dr. Sunil Kumar Kumeti
3	Name of the Implementing Agencies and Status	IIT Bhilai Innovation And Technology Foundation
4	Name of Principal Investigator & Co-Principal Investigator	<p>Dr. Sunil Kumar Kumeti, Assistant Professor, School of Studies in Economics, Pt. Ravishankar Shukla University Raipur (C.G.)</p> <p>Dr. Nister Kujur, Professor &amp; Head, School of Studies in Sociology, Pt. Ravishankar Shukla University Raipur (C.G.)</p> <p>Dr. L. S. Gajpal, Professor, School of Studies in Sociology, Pt. Ravishankar Shukla University Raipur (C.G.)</p> <p>Dr. Sanjay Kumar, Professor, School of Studies in Computer Science, Pt. Ravishankar Shukla University Raipur (C.G.)</p> <p>Dr. V. K. Patle, Associate Professor, School of Studies in Computer Science, Pt. Ravishankar Shukla University Raipur (C.G.)</p> <p>Dr. Kavita Thakur, Professor &amp; Head, School of Studies in Electronics and Photonics, Pt. Ravishankar Shukla University Raipur (C.G.)</p> <p>Dr. Kallol Kumar Ghosh, Professor &amp; Head, School of Studies in Chemistry, Pt. Ravishankar Shukla University Raipur (C.G.)</p> <p>Dr. Nameeta Brahme, Professor &amp; Head, School of Studies in Physics and Astrophysics, Pt. Ravishankar Shukla University Raipur (C.G.)</p>



## IIT Bhilai Innovation and Technology Foundation

IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001

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		<p>Dr. Keshav Kant Sahu, Professor &amp; Head, School of Studies in Biotechnology, Pt. Ravishankar Shukla University Raipur (C.G.)</p> <p>Dr. Tike Singh, Assistant Professor, School of Studies in Geography, Pt. Ravishankar Shukla University Raipur (C.G.)</p> <p>Dr. Indrapal Karbhal, Assistant Professor, School of Studies in Chemistry, Pt. Ravishankar Shukla University Raipur (C.G.)</p> <p>Dr. Shivendra Singh Dewhare, Assistant Professor, School of Studies in Life Science, Pt. Ravishankar Shukla University Raipur (C.G.)</p>
5	Expected duration of the project completion	1 year

### 7. Total Project Outlay: Rs 1,33,00,000 Lakhs (Rupees One Crore Thirty Three Lakh Only)

Head	1st Year	Amount contributed by industry	Amount payable by IBITF
	(Rs. in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)
Equipment	3,00,000	Nil	3,00,000
Travel	2,50,000	Nil	5,00,000
Manpower	50,00,000	Nil	50,00,000
Training/Workshop	75,00,000	Nil	75,00,000
Contingencies & Consumables	2,50,000	Nil	2,50,000
<b>Grand Total</b>	<b>1,33,00,000</b>	<b>Nil</b>	<b>1,33,00,000</b>



## IIT Bhilai Innovation and Technology Foundation

IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001

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### 8. Mode and Extent of Funding:

This funding is provided by the Department of Science and Technology, Government of India, under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS) for the Technology Innovation Hub (FINTECH) at IIT Bhilai. Thus, the commitment of the funds from IBITF is subject to the grants received from the funding organization, i.e., DST, Govt. of India.

### 9. Other Terms & Conditions:

The financial support for this project approved under the Tribal Area Sub plan (TSP) scheme of IIT Bhilai Innovation And Technology Foundation (IBITF) shall be subject to the conditions listed below. The PI/Co-PI shall agree to be governed by these conditions and provide a duly signed copy of this document to IBITF:

1. The amount shall be i) spent for the project within the specified time; and ii) Any portion of the grant, which is not ultimately required for expenditure for the approved purposes, shall be duly surrendered to IBITF.
  2. The PI/Co-PI shall maintain an audited record in the form of a register for permanent and semi-permanent assets acquired solely or mainly out of the funds received by IBITF.
  3. The assets referred to in (2) above will be the property of IBITF. The assets should not, without prior permission of IBITF, be disposed of, encumbered, or utilized for purposes other than those for which the grant has been sanctioned.
  4. In case the PI is unable to continue working on this project, the institute shall assign a Co-PI or a suitable person to be the PI of the project. In case no suitable person is identified, such assets, etc., shall revert to IBITF.
  5. The PI/Co-PI shall render progress-cum-achievement reports at intervals of not exceeding three months on all aspects of the project, including expenditure incurred on various approved items during the project.
  6. IBITF shall appoint an Evaluation Committee comprising representatives from IBITF and other experts; this committee will periodically (not exceeding three months) monitor the project in all aspects, including technical, financial, etc., and may suggest any changes to the proposed deliverables and timelines.
  7. The Auditor of IBITF will look into the utilization of grants for the intended purposes according to the directives issued by the DST Government of India.
  8. IBITF or its nominee(s) will have the right of access to the books and accounts of the PI/Co-PI/Start-up for which a reasonable prior notice would be given.
  9. PI/Co-PI/Start-up should not retain the sale proceeds of prototype, product, etc., fabricated due to the project's development arising directly from funds granted by the IBITF without its consent.
  10. The Intellectual property and its associated rights shall be owned jointly by the PI/Co-PI and IBITF. Both parties may share any royalties or other benefits generated by licensing such joint IP under
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## **IIT Bhilai Innovation and Technology Foundation**

IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001  
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mutually agreed terms on a case-to-case basis. The PI/Co-PI is expected to hive off a startup to deploy the system. In such a case, the IP could be transferred to the startup.

11. In case of any dispute on any matter related to the project during its implementation, the decision of the IBITF shall be final and binding on the proposal, originating industry/industry consortium, and the PI/Co-PI/Start-up.
  12. Projects sanctioned under the Tribal Area Sub Plan (TSP) scheme of IBITF necessitate the conduction of stakeholder workshops. The PI must conduct these workshops on regular intervals to ensure feedback gathering, development & dissemination of tech-based solutions, and ease of adoption of such solutions by the local population.
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**IIT Bhilai Innovation and Technology Foundation**  
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**SANCTION LETTER**

Ref No:- IBITF/Note/TSP/SanctionLetter/2023-24/0257

Dated:15-11-2023

To,

**Dr. Sunil Kumar Kumeti,  
Assistant Professor,  
School of Studies in Economics,  
Pt. Ravishankar Shukla University Raipur (C.G.)**

**Sub: Administrative approval for the project entitled “AI-Driven Financial Empowerment: FinTech for All: Improving Financial Literacy & Inclusion in the Scheduled Tribe Community and Development of an AI-Based Mobile Application” under the Tribal Area Sub plan (TSP) scheme of IBITF.**

1. The undersigned is directed to convey the administrative approval of the competent Authority for the project titled “AI-Driven Financial Empowerment: FinTech for All: Improving Financial Literacy & Inclusion in the Scheduled Tribe Community and Development of an AI-Based Mobile Application” under the Tribal Area Sub plan (TSP) scheme of IBITF.
2. The total estimated cost of **Rs 1,33,00,000 Lakhs (Rupees One Crore Thirty Three Lakh Only)** as support from IIT Bhilai Innovation And Technology Foundation (IBITF) over a period of **One year** will be provided for this project.

The project may be extended based on performance/availability of funds and requirement of IBITF.

3. It is recommended that the project be implemented through the Start-up to be incubated at Pt. Ravishankar Shukla University Raipur (C.G.) and Technology by Dr. Sunil Kumar Kumeti.
4. The liability-free equity share for IBITF, not exceeding 8%, will be decided at the time of Start-up incorporation/suitable time.
5. The details of the project are given in Annexure-I enclosed.
6. This is issued with the approval of the Chairman, IIT Bhilai Innovation And Technology Foundation (IBITF).

**Prof. Santosh Biswas,  
Interim CEO & Project Director, IBITF**

Copy To

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24/OBC/147

Dated:22.12.2023

Subject: Award Letter for the Major  
Research Projects - 2023-24.

**Dear Dr. Archana Sethi**

*"ICSSR extends warmest congratulations to you on successfully obtaining the award of Research Project as per the above Subject".*

With reference to your application / Interaction with Expert Committee, regarding your project proposal for the major *Research Projects*, the final selection is made on the basis of recommendations of the Expert Committee as follows:

Approved Title by the Expert Committee	जनजातीय हस्तशिल्प: चुनौतियां एवं संभावनाएं छत्तीसगढ़ के विशेष संदर्भ में
Budget Approved ₹	Rs.1200000/- Only (Rupees Twelve Lacs Only)
Approved Duration of the Project (Months)	24 Months
First	Rs. 600000/-





# कार्यालय, मुख्य कार्यपालन अधिकारी छत्तीसगढ़ राज्य कौशल विकास प्राधिकरण, रायपुर



सी.आई.डी. बिल्डिंग, पुराना पुलिस मुख्यालय, राजभवन के पास, रायपुर, छ0ग0- 492006 फोन नं. - 0771-4099953

क्रमांक/ /छगराकौविप्रा/TPI/2023-24

रायपुर, दिनांक...../...../2023

## // आदेश //

छत्तीसगढ़ युवाओं के कौशल विकास का अधिकार अधिनियम, 2013 की धारा 11 की उपधारा 1(च) के अंतर्गत अधिसूचित छत्तीसगढ़ राज्य कौशल विकास प्राधिकरण (राष्ट्रीय एवं राज्य स्तरीय संस्थाओं में व्यावसायिक प्रशिक्षण), विनियम, 2023 में निहित प्रावधानों के तहत कौशल प्रशिक्षण हेतु छत्तीसगढ़ राज्य कौशल विकास प्राधिकरण एवं पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.) के मध्य दिनांक 28 अगस्त 2023 को निम्नलिखित NSQF आधारित कोर्स में कौशल प्रशिक्षण हेतु अनुबंध किया गया है।

संस्था (TPI) का नाम	NSQF कोर्स का नाम	QP कोड	कोर्स अवधि (घंटों में)	स्वीकृत प्रशिक्षण राशि (प्रति प्रशिक्षणार्थी प्रति माह व्यय)
(1)	(2)	(3)	(4)	(5)
पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)	1) Operator- Conventional Turning	CSC/Q0110	450	20,396/- (for first month) 18,396/- (after first month)
	2) Solar PV Installer (Suryamitra)	SGJ/Q0101	300	18,795/-
	3) Field Technician Networking and Storage	ELE/Q4606	360	19,096/-
	4) Junior Software Developer	SSC/Q0508	400	18,896/- (for first month) 17,896/- (after first month)

उक्त कोर्स में कौशल प्रशिक्षण हेतु अनुबंध में उल्लेखित नियम एवं शर्तों के अर्थात् पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.) को छत्तीसगढ़ राज्य कौशल विकास प्राधिकरण (राष्ट्रीय एवं राज्य स्तरीय संस्थाओं में व्यावसायिक प्रशिक्षण), विनियम, 2023 के तहत कौशल प्रशिक्षण हेतु जारी दिशा-निर्देश की कंडिका (7) के अनुसार छत्तीसगढ़ राज्य कौशल विकास प्राधिकरण के अंतर्गत Training Provider Institute (TPI) के रूप में सूचीबद्ध किया जाता है।

संलग्न :- अनुबंध की छायाप्रति।

मुख्य कार्यपालन अधिकारी

छत्तीसगढ़ राज्य कौशल विकास प्राधिकरण

छत्तीसगढ़

रायपुर, दिनांक 31/08/23

पृष्ठ क्रमांक / 617 / छगराकौविप्रा/TPI/2023-24

प्रतिलिपि :-

1. प्रमुख सचिव, छत्तीसगढ़ शासन, कौशल विकास तकनीकी शिक्षा एवं रोजगार विभाग, मंत्रालय महानदी भवन, अटल नगर, नवा रायपुर को सादर सूचनार्थ।
2. सचिव, छत्तीसगढ़ शासन, कौशल विकास विभाग, मंत्रालय महानदी भवन, अटल नगर, नवा रायपुर को सादर सूचनार्थ।
3. कलेक्टर सह अध्यक्ष, जिला कौशल विकास प्राधिकरण, जिला - रायपुर, छत्तीसगढ़ को सूचनार्थ प्रेषित।
4. सहायक संचालक, जिला कौशल विकास प्राधिकरण, जिला - रायपुर को सूचनार्थ एवं आवश्यक कार्यवाही हेतु।
5. कुलपति, पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.) को सूचनार्थ एवं आवश्यक कार्यवाही हेतु।

मुख्य कार्यपालन अधिकारी

छत्तीसगढ़ राज्य कौशल विकास प्राधिकरण





छत्तीसगढ़ CHHATTISGARH

AB 774384

## अनुबंध / समझौता ज्ञापन

राष्ट्रीय एवं राज्य स्तरीय संस्थाओं में व्यावसायिक प्रशिक्षण विनियम, 2023 के तहत कौशल प्रशिक्षण हेतु

छत्तीसगढ़ राज्य कौशल विकास प्राधिकरण (CSSDA)

कौशल विकास, तकनीकी शिक्षा, रोजगार विभाग

छत्तीसगढ़ शासन

और

पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छत्तीसगढ़)

के मध्य

यह अनुबंध / समझौता ज्ञापन (एमओयू) रायपुर में 28 अगस्त 2023 को किया गया है।

छत्तीसगढ़ राज्य कौशल विकास प्राधिकरण, कौशल विकास, तकनीकी शिक्षा, रोजगार एवं प्रशिक्षण विभाग, छत्तीसगढ़ शासन (CSSDA के रूप में मंदर्भित), जिसका कार्यालय पुराना पुलिस मुख्यालय, मिविल लाइंस, रायपुर, छत्तीसगढ़ - 492001 में है।

और

पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर संस्था के रूप (Training Provider Institute, TPI के रूप में मंदर्भित) में पंजीकृत है, जिसका कार्यालय आमानाका, जिला - रायपुर (492010) के बीच में अनुबंध निम्नानुसार होंगे :-

र. प्र. नं. ५५७ (क.ग.)

DISTRICT TREASURY OFFICE  
27 JUN 2023  
REVENUE DEPARTMENT

क्रमांक ५५७ दि. २२/०४/२०२३

प्रथम पं. चवि. वी. नं. १२७८ / रायपुर

द्वितीय पं. चवि. वी. नं. १२७९ / रायपुर

सर्वांगीण नं. ५०/- रायपुर

Signature





छत्तीसगढ़ CHHATTISGARH

AB 774384

## अनुबंध / समझौता ज्ञापन

राष्ट्रीय एवं राज्य स्तरीय संस्थाओं में व्यावसायिक प्रशिक्षण विनियम, 2023 के तहत कौशल प्रशिक्षण हेतु

छत्तीसगढ़ राज्य कौशल विकास प्राधिकरण (CSSDA)

कौशल विकास, तकनीकी शिक्षा, रोजगार विभाग

छत्तीसगढ़ शासन

और

पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छत्तीसगढ़)

के मध्य

यह अनुबंध / समझौता ज्ञापन (एमओयू) रायपुर में 28 अगस्त 2023 को किया गया है।

छत्तीसगढ़ राज्य कौशल विकास प्राधिकरण, कौशल विकास, तकनीकी शिक्षा, रोजगार एवं प्रशिक्षण विभाग, छत्तीसगढ़ शासन (CSSDA के रूप में संदर्भित), जिसका कार्यालय पुराना पुलिस मुख्यालय, सिविल लाइंस, रायपुर, छत्तीसगढ़ - 492001 में है।

और

पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर संस्था के रूप (Training Provider Institute, TPI के रूप में संदर्भित) में पंजीकृत है, जिसका कार्यालय आमनाका, जिला - रायपुर (492010) के बीच में अनुबंध निम्नानुसार होंगे :-

*Roshalga*

*Deepam*



## अतएव -

1. कौशल विकास, तकनीकी शिक्षा, रोजगार विभाग अंतर्गत छत्तीसगढ़ राज्य कौशल विकास प्राधिकरण (CSSDA) राज्य स्तर पर लघु अवधि के कौशल प्रशिक्षण एवं प्रशिक्षण पश्चात रोजगार सेवाओं से संबंधित योजनाओं / कार्यक्रमों के क्रियान्वयन एवं समन्वय हेतु शीर्ष संस्था है।
2. पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर में स्थित, उपलब्ध संसाधनों का उपयोग कर शिक्षित युवाओं को आधुनिक प्रौद्योगिकी में कुशल कर रोजगार एवं स्वरोजगार के योग्य बनाने के उद्देश्य से संस्था द्वारा अनुबंध/ समझौता ज्ञापन के तहत Training Provider Institute (TPI) के रूप में कौशल विकास गतिविधियों का संचालन करने के लिए CSSDA के साथ अनुबंध (MoU) करने आवेदन किया गया है।
3. यह अनुबंध संस्था को एक Training Provider Institute (TPI) के रूप में पंजीयन कर छत्तीसगढ़ राज्य के युवाओं को आधुनिक प्रौद्योगिकी आधारित कौशल प्रशिक्षण प्रदान करने तैयार किया गया है, जहां संस्था के पास प्रशिक्षण हेतु पहले से ही स्थापित आधारभूत अधोसंरचना, गुणवत्तायुक्त प्रशिक्षण सुविधाएं और साथ ही प्रशिक्षित प्रशिक्षक उपलब्ध होते हैं, जो शिक्षित युवाओं को संस्था परिसर में ही कौशल प्रशिक्षण प्रदान कर सकेंगे।
4. अनुबंध/ समझौता ज्ञापन (MoU) कौशल विकास योजना के तहत संस्थान एवं प्रशिक्षणार्थियों की आवश्यकताओं को पूरा करने के लिए किया जा रहा है, जिसमें संस्थान में उपलब्ध संसाधन का उपयोग, आधुनिक प्रौद्योगिकी में आवश्यक कुशल मानव संसाधन की कार्य प्रकृति के अनुरूप NSQF आधारित कोर्स में युवाओं को TPI द्वारा प्रशिक्षण प्रदान किया जाता होगा।
5. यह अनुबंध TPI के रूप में पंजीकृत संस्थान को अपने परिसर में युवाओं को प्रशिक्षण हेतु एकत्रित करने, क्लास रूम एवं प्रायोगिक प्रशिक्षण प्रदान करने एवं सॉफ्ट-स्किल / कैरियर परामर्श पर सत्र आयोजित करने की स्वीकृति प्रदान करता है।
6. इस अनुबंध के तहत अनुभवी विशेषज्ञों/ पेशेवरों के द्वारा नवीनतम मशीनों, औजार और उपकरणों के साथ नवीन तकनीक के माध्यम से प्रशिक्षण कार्य कराया जा सकेगा।
7. राज्य के युवाओं को आधुनिक प्रौद्योगिकी आधारित कुशल कार्यबल में बदलने के लिए CSSDA प्रतिबद्ध है। युवाओं को आधुनिक प्रौद्योगिकी में कुशल करने, रोजगार एवं स्वरोजगार के योग्य बनाने कौशल प्रशिक्षण का संचालन करने हेतु छत्तीसगढ़ राज्य कौशल विकास प्राधिकरण (CSSDA), कौशल विकास, तकनीकी शिक्षा, रोजगार एवं प्रशिक्षण विभाग एवं पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर इस अनुबंध / समझौता ज्ञापन पर हस्ताक्षर करने के लिए पारस्परिक रूप से सहमत हैं।

## I. उद्देश्य-

CSSDA और TPI निम्नलिखित उद्देश्यों के साथ इस समझौता ज्ञापन में शामिल होने के लिए पारस्परिक रूप से सहमत हुए हैं:

1. संस्था एवं प्रशिक्षणार्थियों की आवश्यकताओं को पूरा करना।

2. वर्तमान परिदृश्य में आधुनिक प्रौद्योगिकी में आवश्यक कौशल के अनुरूप NSQF कोर्स में नवीनतम तकनीक के माध्यम से संस्था परिसर में ही युवाओं का प्रशिक्षण ।
3. संस्था द्वारा प्रशिक्षण हेतु युवाओं का चयन एवं व्यावहारिक आकलन कर प्रशिक्षण देना एवं रोजगार/स्वरोजगार योग्य बनाना ।
4. कुशल जनशक्ति तैयार कर देश के समग्र विकास में योगदान देना ।

## II. CSSDA की भूमिका

- 1) कौशल प्रशिक्षण हेतु CSSDA द्वारा संस्था से किये गए अनुबंध/ समझौता ज्ञापन के बारे में छत्तीसगढ़ राज्य के युवाओं को जागरूक करना ।
- 2) CSSDA पोर्टल पर Training Provider Institute (TPI) के साथ हस्ताक्षरित अनुबंध / समझौता ज्ञापन का विवरण प्रकाशित करना ।
- 3) संस्थानों से TPI के रूप में आवेदन आमंत्रित करना तथा योजना के दिशा-निर्देशों के तहत निर्धारित प्रक्रिया के अनुसार TPI से प्राप्त आवेदन की जांच करना ।
- 4) TPI के रूप में पंजीकृत पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर द्वारा आवेदित कोर्स / पाठ्यक्रम और प्रशिक्षण हेतु आवश्यक अधोसंरचना, लैब, औजार उपकरण इत्यादि की मूल्यांकन करना ।
- 5) आवेदन पर स्वीकृति उपरांत संस्था से TPI के रूप में समझौता ज्ञापन पर हस्ताक्षर करना ।
- 6) CSSDA पोर्टल पर समझौता ज्ञापन की एक प्रति अपलोड करना ।
- 7) TPI के पंजीकरण, प्रशिक्षणार्थियों का विवरण अपलोड करने, मूल्यांकन कार्य के लिए पंजीकरण, प्रवेश पत्र जारी करने, प्रारंभिक मूल्यांकन अंक अपलोड करने, अंक पत्र बनाने और प्रमाणपत्र जारी करने के लिए CSSDA पोर्टल पर प्रावधान बनाना ।
- 8) TPI, प्रशिक्षणार्थियों, मूल्यांकनकर्ता एवं अन्य हितधारकों को कौशल प्रशिक्षण से सम्बंधित जानकारी प्राप्त करने, संदेश साझा करने एवं अपनी जानकारी देने हेतु CSSDA पोर्टल पर सुविधा प्रदान करना।
- 9) सफल उम्मीदवारों को कौशल प्रमाणपत्र जारी करना ।

## III. Training Provider Institute (TPI) की भूमिका, पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर

- 1) आधुनिक प्रौद्योगिकी में आवश्यक कौशल की प्रकृति के अनुरूप प्रशिक्षण की आवश्यकताओं के आधार पर कोर्स / पाठ्यक्रम में कौशल प्रशिक्षण प्रदान करना ।
- 2) उम्मीदवारों की योग्यता, कौशल परीक्षण, योग्यता परीक्षा या संस्था अंतर्गत संचालित कोर्स की



विशिष्ट आवश्यकताओं के आधार पर, निर्धारित चयन मापदंड तय करते हुए युवाओं का चयन करना।

- 3) NSQF आधारित कोर्स /जॉब रोल्ल्स के मापदंडों के अनुरूप प्रशिक्षक एवं प्रशिक्षण संचालन हेतु प्रशिक्षण कक्ष, लैब, कार्यशाला, औजार, मशीन, उपकरण अधोसंरचना की व्यवस्था सुनिश्चित करना।
- 4) संस्था में प्रशिक्षण के लिए योग्य प्रशिक्षक, पर्यवेक्षक और सहायक कर्मचारी की व्यवस्था करना ।
- 5) समस्त प्रशिक्षण बैच के लिए CSSDA पोर्टल में प्रशिक्षण प्रारंभ तिथि से पूर्व प्रशिक्षणार्थियों का विवरण अपलोड करना ।
- 6) प्रशिक्षण, आवास, भोजन, मूल्यांकन इत्यादि की सम्पूर्ण व्यवस्था करना ।
- 7) प्रति प्रशिक्षणार्थी न्यूनतम 50 Sq. feet के आधार पर आवासीय व्यवस्था किया जाना, जिसमे हितग्राहियों के रहने योग्य साधन एवं सुविधाएँ उपलब्ध हों ।
- 8) आधुनिक प्रौद्योगिकी अनुरूप NSQF आधारित कोर्स नहीं होने की स्थिति में आवश्यकतानुसार प्रशिक्षण के लिए नवीन कोर्स डिजाइन एवं विकसित करना, विकसित किये गए कोर्स के लिए सैद्धांतिक और प्रायोगिक प्रशिक्षण घटकों की अवधि घंटों में परिभाषित करते हुए राज्य कार्यालय को स्वीकृति हेतु अग्रेषित करना ।
- 9) संस्था में लागू अनुशासन, उपस्थिति, छुट्टी और अन्य नियमों एवं शर्तों के बारे में प्रवेश के समय प्रशिक्षणार्थियों को जानकारी प्रदान करते हुए लिखित रूप में सूचित किया जाना ।
- 10) CSSDA के विनियम एवं जारी दिशानिर्देशों एवं समय-समय पर जारी किए गए संशोधन/ अधिमूचना का पालन करना ।

#### IV. वैधता

यह अनुबंध तीन वर्ष की अवधि के लिए वैध होगा । TPI का प्रशिक्षण कार्य संतोषजनक होने की स्थिति में अनुबंध (MoU) को अधिकतम 3 वर्ष की अवधि के लिए उत्तरोत्तर वृद्धि किया जा सकता है, अनुबंध की अवधि में वृद्धि दोनों पक्षों के बीच आपसी सहमति से किया जा सकता है ।

#### V. मध्यस्थता करना

इस अनुबंध (MoU) के उल्लंघन की स्थिति में CSSDA और पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर समाधान के लिए उचित प्रयास करेंगे। मुख्य कार्यपालन अधिकारी, छत्तीसगढ़ राज्य कौशल विकास प्राधिकरण (CSSDA) का निर्णय अंतिम एवं दोनों पर बाध्यकारी होगा । मध्यस्थता या निर्णय पर असंतुष्ट होने पर प्रकरण पर सुनवाई की स्थिति में मध्यस्थता हेतु स्थान जिला एवं सत्र न्यायालय रायपुर, छत्तीसगढ़ होगा।

#### VI. अनुबंध/एमओयू की समाप्ति

पूर्व से संचालित प्रशिक्षण बैच के हितग्राहियों के प्रशिक्षण को प्रभावित नहीं करने की शर्त पर CSSDA एवं TPI में से किसी भी एक पक्ष द्वारा 03 महीने का नोटिस देते हुए अनुबंध को समाप्त किया जा सकेगा।





## VII. अन्य शर्तें

- आपसी सहमति से संस्था को प्रति प्रशिक्षणार्थी प्रतिमाह प्रशिक्षण राशि निम्न तालिका अनुसार दिया जायेगा। प्रशिक्षण अवधि एक माह से कम अथवा अधिक होने की स्थिति में प्रशिक्षण राशि की गणना यथानुपात (Pro rata Basis) के आधार पर की जायेगी।

संस्था का नाम	NSQF कोर्स का नाम	QP कोड	कोर्स अवधि (घंटों में)	प्रस्तावित प्रशिक्षण राशि (20 प्रशिक्षणार्थी हेतु)	स्वीकृत प्रशिक्षण राशि (प्रति प्रशिक्षणार्थी प्रति माह व्यय)
(1)	(2)	(3)	(4)	(5)	(6)
पं. रविशंकर शुक्ल विश्व विद्यालय, रायपुर	1) Operator- Conventional Turning	CSC/Q0110	450	4,07,910/- (for first month) 3,67,910/- (after first month)	20,396/- (for first month) 18,396/- (after first month)
	2) Solar PV Installer (Suryamitra)	SGJ/Q0101	300	3,75,910/-	18,795/-
	3) Field Technician Networking and Storage	ELE/Q4606	360	3,81,910/-	19,096/-
	4) Junior Software Developer	SSC/Q0508	400	3,77,910/- (for first month) 3,57,910/- (after first month)	18,896/- (for first month) 17,896/- (after first month)

- दोनों पक्ष इस बात पर सहमत होंगे कि एक दूसरे के LOGO का उपयोग अन्य संबंधित पक्ष द्वारा केवल प्रशिक्षण के प्रचार से संबंधित दस्तावेजों में किया जाएगा एवं किसी व्यावसायिक उद्देश्य के लिए उपयोग नहीं किया जायेगा।
- अनुबंध/एमओयू के तहत कार्य के दायरे या अनुबंध की शर्तों में समय-समय पर प्रभावी कोई भी संशोधन या बदलाव आपसी सहमति से और लिखित रूप में हो सकता है।
- स्पष्ट किया जाता है कि दोनों पक्ष, इस अनुबंध/एमओयू से उत्पन्न होने वाले किसी भी व्यावधान के लिए पारस्परिक रूप से चर्चा और परामर्श करेंगे जिससे उचित निर्णय लिया जा सके। साथ ही समय-समय पर पत्र या ईमेल के आदान-प्रदान के माध्यम से पार्टियां अपनी भूमिका और संबंधित गतिविधियों पर सहमत होंगी।
- यदि इस अनुबंध/ एमओयू के किसी भी प्रावधान को किसी अदालत या सक्षम क्षेत्राधिकार के प्रशासनिक निकाय द्वारा अमान्य या अप्रवर्तनीय पाया जाता है, तो ऐसे प्रावधान की अमान्यता या अप्रवर्तनीयता इस अनुबंध/ एमओयू के अन्य प्रावधानों को प्रभावित नहीं करेगी, और शेष सभी प्रावधान ऐसी अमान्यता या अप्रवर्तनीयता से प्रभावित नहीं होंगे। वैध या लागू करने योग्य प्रावधान पर दोनों पक्ष आपसी बातचीत से निर्णय पर सहमत होंगे।
- कोई भी पक्ष इस अनुबंध/ एमओयू के तहत अपने दायित्वों का पालन करने में किसी भी देरी या विफलता के लिए उत्तरदायी नहीं होगा जो इसके उचित नियंत्रण से परे परिस्थितियों के कारण होता है। युद्ध, दंगे, विस्फोट, असामान्य मौसम की स्थिति, आग, बाढ़, भूकंप या इसी तरह की

*(Handwritten signatures)*

प्राकृतिक आपदा, राष्ट्रव्यापी या क्षेत्रीय हड़ताल और तालाबंदी, सरकारी कार्रवाई या विनियमन और राष्ट्रव्यापी या क्षेत्रीय शक्ति विफलता ऐसी परिस्थितियों के उदाहरण हैं।

For and on behalf of



छत्तीसगढ़ राज्य कौशल विकास  
प्रतिकारण रायपुर (CSSDA)  
(Mrs. DIVYA UMESH MISHRA I.A.S.)  
Chief Executive Officer  
Chhattisgarh State Skill Development Authority  
& State Project Livelihood College Society  
Raipur (C.G.)  
(Chief Executive Officer)


Date-

Witness-I



Name - VIJAY HAJARE  
Address - MANAGER  
CSSDA

For and on behalf of

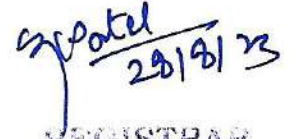
 28/8/2023

पं. रविशंकर शुक्ल विश्वविद्यालय,  
रायपुर (PRSU) Vice-Chancellor  
P. Ravishankar Shukla University  
Raipur (C.G.)

Designation -

Date-

Witness-II

 28/8/23

Name -

Address -

REGISTRAR  
P. Ravishankar Shukla University,  
RAIPUR (Chhattisgarh)





# SCHOOL OF STUDIES IN ELECTRONICS & PHOTONICS

Pt. Ravishankar Shukla University, Raipur

Chhattisgarh-492010

(DST-PURSE Funded University, NAAC -Grade A)



**UGC & AICTE Approved National Innovative Program**

No.

/SOS Elex & Phot./2022-2023

Raipur, Date:11/07/2023

To,

Director General

Chhattisgarh Council of Science & Technology

Vigyan Bhawan, Vidhan Sabha Road, Daldal Seoni, Raipur 492 014

Subject: Submission of mini research project proposal entitled "Design and Development of Speech and Brain Signal Analysis Based Automatic Emotion Recognition Using Modern Machine Learning Techniques".

Sir/Madam,

With due respect I am submitting here with a duly filled-in application form for mini research project entitled "Design and Development of Speech and Brain Signal Analysis Based Automatic Emotion Recognition Using Modern Machine Learning Techniques" in 6 copies for your kind perusal.

Thanking you

Yours faithfully

*Kavita Thakur*  
11/07/2023

Dr. Kavita Thakur

**HEAD**

S.O.S. in Electronics & Photonics  
Pt. Ravishankar Shukla University  
RAIPUR (C.G.) 492 010

Enclosed:

1. List of publications of principle investigator(PI)
2. Utilization certificate of last project



Date: 31/01/2024

To,

The Member Secretary,  
State Planning Commission,  
Yojana Bhawan, sector-19, Capitol Complex, Nawa Raipur, C.G., India

Subject: Submission of Research Proposal covering

Sir,

Please find six copies of the research proposal titled as "**Prediction of Behavioral Changes in Females of Chhattisgarh State Owing to Hormonal Shifts During Adolescence through Their Speech Signal Analysis**" enclosed herewith.

Soft copy of the research proposal has already been emailed to the prescribed email id: [ms.cgspc@gov.in](mailto:ms.cgspc@gov.in).

Thanking you & regards

*Dr. Kavita Thakur*  
31-1-2024

Dr. Kavita Thakur

Professor & ~~HEAD~~  
S.O.S. in Electronics & Photonics  
P. R. Vishankar Shukla University  
Pt. Ravishankar Shukla University  
Raipur, (C.G.) 492 010  
Raipur, (C.G.), India





No. 2070/ Reg. office/2024

Raipur, Date:- 28.03.2024

## Authorization Letter

### To whomsoever it may concern

I Dr. Shailendra Patel, Registrar, Pt. Ravishankar Shukla University, Raipur hereby authorize **Dr. Kavita Thakur, Professor & Head**, S.o.S in Electronics & Photonics, Pt. Ravishankar Shukla University, Raipur as **Nodal Contact Person** to submit the application for 6G Proposal to Department of Telecommunication on behalf of our **Pt. Ravishankar Shukla University, Raipur** having registered office at G.E Road, Amanaka, Raipur, Chhattisgarh-492010.

We also authorize **Dr. Kavita Thakur, Professor & Head**, S.o.S in Electronics & Photonics, Pt. Ravishankar Shukla University, Raipur to make declarations and to submit documents, wherever required, on the behalf of Pt. Ravishankar Shukla University, Raipur . These declarations and submissions are made towards the requirement to establish 6G lab/ 6G R&D test bed. Details of Nodal Contact Person given below:

<b>Name</b>	Dr. Kavita Thakur
<b>Designation</b>	Professor & Head
<b>Email</b>	<a href="mailto:Kavithakur67@gmail.com">Kavithakur67@gmail.com</a>
<b>Mobile No.</b>	9926801119
<b>Full Address</b>	S.o.S in Electronics & Photonics, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh-492010

Place: 28/03/2024  
Date: Raipur

*h. Patel*  
28/3/24

Registrar  
REGISTRAR

Pt. Ravishankar Shukla University  
RAIPUR (Chhattisgarh)





# Indian Council of Medical Research (ICMR)

Department of Health Research

(Ministry of Health and Family Welfare)

## Call for proposals under Extramural Research Programme: Investigator Initiated Projects-Intermediate Grant

Date of submission: 21-Mar-2024 04:02:39 PM

<p><b>Proposal Id:</b> IIRPIG-2024-01-01292, () <b>Version Id:</b> F1,  <b>Proposal Title:</b> An Innovative Investigation of Hormonal Shifts in Expectant Mothers using Speech Signal Analysis for Monitoring the Maternal and Fetal Behavioral and Physiological Health</p>	
<p><b>Personal details of Principle Investigator (PI)</b></p>	
<p><b>Name of PI (IN BLOCK LETTERS), Designation, Email, Contact No., Gender, DOB, Date of Superannuation</b></p>	<p>DR KAVITA THAKUR, Professor, kavithakur67@gmail.com,9926801119, Female, 07-12-1967, 07-12-2034</p>
<p><b>Nature of Employment</b></p>	<p>Permanent</p>
<p><b>Institute</b></p>	<p>Pt. Ravishankar Shukla University, Govt ,</p>
<p style="text-align: center;"><b>Proposal Details PART-A</b></p>	
<p><b>Are you currently under regular employment in Medical Institutes, Research Institutes, Universities, Colleges, recognized Research &amp; Development laboratories, Government and semi-government organizations, and NGOs?</b></p>	<p>Yes</p>
<p><b>Advertisement</b></p>	<p>Call for Investigator-Initiated Research Proposals for intermediate extramural grants - 2024</p>
<p><b>Summary (up to 250 words):</b> A structured summary should contain the following subheadings: Rationale/ gaps in existing knowledge, Novelty, Objectives, Methods, and Expected outcome. The hormonal shifts during pregnancy can be rather stressful, particularly for professional women or in case of high risk pregnancy whose normal schedules become slightly more challenging than usual. But being aware of these modifications will enable a woman to respond appropriately to the circumstance. This work focuses on the hormonal shift detection in the specific hormones, Estrogen, Progesterone , Human Chorionic Gonadotropin (HCG) and its impact on behavioural and physiological maternal health during the gestational period using speech signal analysis. (i) Rationale:As hormonal shifts occur during the period of gestation in women affects fetal health also. Detection of hormone level can be done usually through pathological testing of saliva or urine sample of the patient. This research work proposes an innovative non-invasive technique of hormonal shift monitoring through the speech signal analysis. (ii) Novelty:Since Formant Frequency, an important key feature of human speech, reflects the complex anatomical and psychological aspects of the human body. A correlation is existed between hormone level and their speech features. This research is intended to analyse formant frequency patterns in pregnant women for the three trimesters and establish potential connections with hormonal fluctuations projected to maternal and fetus well-being. (iii) Objectives: The aim of this study is to develop a noninvasive , easier, comfortable less expensive and self-assessable technique of hormonal level detection using speech recording of patient to assist the pregnant female patients suffering from any physiological disorder in monitoring their health by themselves upto some extent</p>	
<p><b>Priority Area/Priority Area diseases</b></p>	<p>Reproductive, Maternal and Child Health, Nutrition / Others</p>
<p><b>Keywords</b> Six keywords separated by comma which best describe your project may be provided.</p>	<p>Formant Frequency, Electrocardiogram, Hormonal Level, Electroencephalogram</p>
<p><b>Abbreviations</b> Only standard abbreviations should be used in the text. List of abbreviations maximum of ten may be given as a list.</p>	<p>S.No. Abbreviation Meaning  1 HCG Human chorionic gonadotropin  2 EEG Electroencephalogram  3 ECG Electrocardiogram  4 ACG Acoustical - Cardiogram  5 LPC Linear Predictive Coding  6 DSP Digital Signal Processing</p>
<p><b>Problem Statement (up to 500 words):</b> State the currently available information to present the problem adequately. During pregnancy, a woman's body undergoes major changes to support the growth of her unborn child. Pregnancy-related hormonal changes have a significant impact on a woman's perception of taste, smell, and sight. There are also notable changes to the kidneys and heart, an increase in body fat, and physiological adjustments to the uterus and breasts. Pregnancy causes specific and noticeable alterations in the human brain's neural architecture and network structure, especially to the Default Mode Network. These changes may be the reason behind changes in the neural representation of the self throughout motherhood. The placenta and the mother's glands both release hormones that are responsible for these alterations. Maternal health has a significant impact on fetal health. The goal of this project is to investigate how pregnant women's speech patterns relate to changes in their hormone levels, ECG, EEG in order to monitor their behaviour and physical health and so as the fetal health too .Up until now, diagnosing patients with hormone imbalances has always needed a pathological laboratory and experience. But in remote areas, medical and pathology assistance is not always available around-the-clock. The suggested study creates a unique method for speech signal analysis-based hormone level detection that can be used to track a pregnant woman's physical and behavioral health on her alone or with a companion. This approach of hormone level detection is very simple, pleasant, less expensive, self-evaluable, and does not call for any experience in pathology.</p>	

**Rationale of the study (up to 250 words)** Mention how the research question addresses the critical barrier(s) in scientific knowledge, technical capability, and/or programmatic/ clinical/lab practice and its relevance to local, national and international context with relevant bibliography.

The purpose of this research study is to monitor the health of the mother and the fetus by examining the relationship between speech signal features and hormonal changes that occur during pregnancy. Also to monitor the behavioural changes due to hormone level shifts through speech signal analysis during the period of pregnancy. Hormone level, ECG, EEG detection involves the pathological laboratory set up and expertise and, the process is time consuming also. The hormonal testing is done usually through either through blood / Urine / saliva sample. Sample collection and its further processing is quite complex if has to be done on regular basis during period of pregnancy for a woman. The proposed study identifies a non invasive technique using speech signal analysis for hormonal level shift detection, heart condition monitoring and behavioral monitoring of expectant mother which helps to ensure the fetal wellbeing also. Patient herself will be able to record her voice to monitor her hormonal level, Heart parameters instantly. This technique requires only a microphone recorder and computer or laptop set with the required software installed in it, no other special laboratory set up is required. If any unusual changes are observed, the patient can visit her doctor and get proper medical care

**Hypothesis/ Research question (up to 100 words) :** This work focuses on the specific hormone changes detection that occur during the pregnancy using speech signal analysis for behavioural and physiological health monitoring of expectant mother. The patient has to utter and record the speech signal. It is possible to extract speech components like Formant Frequency F1, F2, and Fundamental Frequency F0 using a linear predictive coding approach, with the help of sophisticated signal processing techniques and tools. Since Formant Frequency reflects the complex anatomical and psychological aspects of the human body it is used to assess the physiological features of human body.

## Methodology

*Include objective-wise work plan under the following sub-headings:*

### Study Objective No. 1

**Study Objective :** • To develop a noninvasive , easier and comfortable and self-assessable technique of ECG parameter, behavioral and hormonal level detection using speech signal analysis

**Study Design :** This research study is aimed to record the speech , ECG, EEG and Pathological hormonal level data of 50 – 60 expectant mothers of age group 21 to 40 years during their pregnancy period for and no-pregnancy period that is in normal medical condition. The data collection of the same patient has to be done for every trimester during her gestational period. The framework of the proposed research is described by the flow chart in Figure 1.1.

**Study Area :** The research data is to be collected from AIIMS, Government Private Hospitals and clinics situated at different locations in Chhattisgarh State in India. Speech Data would be recorded in digital form by using speaker microphone and research study purpose laptops. EEG of the patients is collected by using 32 Channel wearable EEG Cap System Saline with Laptop. Pathological Hormonal data is also collected at the same time from same patient. Pathological data also sent for further processing at the research study centre. This collected data would be then sent to a high end server for further data processing at the research study centre.

**Sample Size :** The subject volume for the proposed study is 50-60 women. The speech EEG, ECG and Hormonal level detection samples would be collected every fortnightly. The speech sample includes 11 vowels and 35 consonants of Hindi language. One time recording of speech signal create 56 speech utterances. Speech utterances volume size available for all the samples during their gestational period would be (50 women x 19.554 fortnights x 56 utterances) 54,751 for processing and analysis. The speech utterance volume size for all the sample during their non-gestational period at normal medical condition would be (50 women X 56 utterances) 2,800. The EEG data collected from 50 women fortnightly during their pregnancy period would be (50 women x 19.554 fortnights) 977 and the EEG data collected from 50 women fortnightly during their no-pregnancy period would be 50. The ECG data collected from 50 women fortnightly during their pregnancy period would be (50 women x 19.554 fortnights) 977 and the ECG data collected from 50 women fortnightly during their no-pregnancy period would be 50. The hormonal level (three hormones) data collected from 50 women fortnightly during their pregnancy period would be ( 50 women x 3 hormones x 19.554 fortnights) 2,933 and the hormonal level (three hormones) data collected from 50 women during their no-pregnancy period would be ( 50 women x 3 hormones) 150. In all the approximate sample data volume size would be 62688 available for research study.

**Project Implementation Plan :** The research study can be divided into some phases of time. As the sample collection would be a challenging task and would carried out at multiple locations simultaneously inclusive of many constraints like patient and doctor's consent, Long and consistent sample collection from the same patient for all the three trimester of their pregnancy period. Implementation phases and Research Study Work Plan has been shown in the Flowchart in Figure 1.2 and Table 1.1 respectively.

**Design of Statistical analysis :** Pearson Correlation (r) would be used for determination of correlation between speech feature and EEG / ECG / Hormonal Level. Pearson Correlation coefficient has been calculated from the following formula-  $\frac{\sum XY}{\sqrt{(\sum X^2 \sum Y^2)}}$

**Expected outcome/ Deliverables aligned with research question (up to 100 words):** The patient herself will be able to record her voice to monitor her ECG parameters, State of Emotion, hormonal shifts and will be able to assess whether there is requirement to visit the Doctor / Hospital. Expectant mother will be able to ensure self and her fetal wellbeing up to some extent.

**Immediate next steps following the end of the project (up to 100 words):** Development of Android Application for hormonal level, state of emotions and ECG monitoring through patient's speech recording for maternal and fetal wellbeing

**Whether the study is going to generate new intellectual property:** yes

**Timelines with achievable targets**

[Download](#)

**Proposal Details (PART-B)**



**Preliminary work done by the PI including the source of funding (up to 250 words):** The investigators has been working in the area of Speech Signal Processing and it's applications in Women and elderly people Healthcare, hormonal detection, Biomedical Engineering, COVID -19. The research emanating out of these investigations have been published in Indian and International Journal of repute. Investigators had completed two mini research projects funded by Chhattisgarh Council of Science and Technology(CCOST),Raipur, C.G., India for • Development and Implementation of software based Automatic Heart Monitoring System through Speech Signal Analysis • Design and Implementation of Image Enhancement Techniques in Spatial Domain and one mini research project funded by U.G.C., New Delhi, India for • Speaker Identification using DSP Tool.

**Skill and experience of the research team** (Highlight only salient points (along with 5 relevant publications) that provides confidence to reviewers that team can implement the project with quality.) : The investigators has been working in the area of Speech Signal Processing and it's applications in – • Women and elderly people Healthcare, • hormonal level detection, • Development of Acoustical electrocardiogram, • Biomedical Engineering, • COVID 19 Other area of expertise - • Obstetrics Gynecology • Chronobiology: Shift-work optimization, Cancer • Chronotherapy Cognitive Science Animal Behavior The investigators has been working in the area of Speech Signal Processing and it's applications in – • Women and elderly people Healthcare, • hormonal level detection, • Development of Acoustical electrocardiogram, • Biomedical Engineering, • COVID 19 Other area of expertise - • Obstetrics Gynecology • Chronobiology: Shift-work optimization, Cancer • Chronotherapy Cognitive Science Animal Behaviour

**Institutional Support/ Facilities:** Facility of sample collection from AIIMS, Raipur, C.G., India

**Laboratory facilities (in-vitro/ in-silico)** Institutional resources such as instruments/ equipment and other physical resources available for use in the project proposed animal house etc.  
S.No. Infrastructural Facility Yes/No/ Not required Full or sharing basis 1 Workshop Facility Yes 2 Water Electricity Yes 3 Laboratory Space/ Furniture Yes 4 Power Generator Yes 5 AC Room or AC Yes 6 Telecommunication including e-mail fax Yes 7 Transportation Not Required 8 Administrative/ Secretarial support Yes 9 Information facilities like Internet/Library Yes 10 Computational facilities Yes 11 Animal/Glass House Not Required 12 Any other special facility being provided

**Conflict of Interest declaration (if any)** No

**Duration (in Months)** 36 Months

#### Investigator Details

#	Name	Institute	Designation	Email	Contact No.	Role in Proposal
1	Dr KAVITA THAKUR	Pt. Ravishankar Shukla University	Professor	kavithakur67@gmail.com	9926801119	PI
2	Prof Arti Parganiha	Pt. Ravishankar Shukla University	Professor	arti.parganiha@gmail.com	9826551089	Co-PI
3	Dr SARITA AGRAWAL	All India Institute of Medical Sciences, Raipur	Professor	drsaritaagrawal@aiimsraipur.edu.in	8518881744	Co-PI
4	Dr Anjali Deshpande	Pt. Ravishankar Shukla University	Assistant Professor	anjaliidpande15@gmail.com	7974214908	Co-PI

#### Documents consideration

#	Document Name	Is Applicable?	Uploaded Document	Remarks
1	Additional supplementary information including figures tables flow diagrams etc can be shared as PDF	Yes	<a href="#">View</a>	The framework of the proposed research is described by the flow chart in Figure 1.1. , Figure1.2: Implementation Strategy Flow Chart Table 1.1 : Research Study Work Plan
2	Declaration & Attestation Form(duly signed by Head of Department/ Director)	Yes	<a href="#">View</a>	declaration and attestation
3	Short Resume format (PI and Co-PI) (Maximum two pages) in merge in single pdf	Yes	<a href="#">View</a>	CV of PI and CO-PIs

#### Proposed Budget Details

Institute	Budget Year	Manpower Budget (Rs.)	Contingency	Consumables	Equipment	Travel	Overhead	Total(Rs)
All India Institute of Medical Sciences, Raipur	1	0	0	0	0	0	0	0
Pt. Ravishankar Shukla University	1	3043200.00	90000.00	220000.00	10651342.00	50000.00	9300	14063842

**Proposed Budget Details**

Institute	Budget Year	Manpower Budget (Rs.)	Contingency	Consumables	Equipment	Travel	Overhead	Total(Rs)
All India Institute of Medical Sciences, Raipur	2	0	0	0	0	0	0	0
Pt. Ravishankar Shukla University	2	3043200.00	90000.00	220000.00	0	50000.00	9300	3412500
All India Institute of Medical Sciences, Raipur	3	0	0	0	0	0	0	0
Pt. Ravishankar Shukla University	3	3216000.00	140000.00	220000.00	0	100000.00	10800	3686800
<b>Total in (Rs.):</b>		<b>9302400</b>	<b>320000</b>	<b>660000</b>	<b>10651342</b>	<b>200000</b>	<b>29400</b>	<b>21,163,142.00</b>

**Budget Breakup Details** (Staff/Manpower)

#	Budget Year	Institute	Designation	No. of Person(nos)	Require Month(nos)	Cost Per Person(Rs.)	Overhead(Rs.)	Total Cost(Rs.)
1	<b>Year: 1</b>	Pt. Ravishankar Shukla University	Project Research Scientist - I (Non Medical)	1	12	61,600	0.00	739,200.00
<b>Justification :</b> For Data Processing and analysis								
2	<b>Year: 1</b>	Pt. Ravishankar Shukla University	Project Technical Support - III	1	12	33,600	0.00	403,200.00
<b>Justification :</b> For Sample Testing at research study center								
3	<b>Year: 1</b>	Pt. Ravishankar Shukla University	Project Technical Support - I	8	12	19,800	0.00	1,900,800.00
<b>Justification :</b> For field work								
4	<b>Year: 2</b>	Pt. Ravishankar Shukla University	Project Research Scientist - I (Non Medical)	1	12	61,600	0.00	739,200.00
<b>Justification :</b> For Data Processing and analysis								
5	<b>Year: 2</b>	Pt. Ravishankar Shukla University	Project Technical Support - III	1	12	33,600	0.00	403,200.00
<b>Justification :</b> For Sample Testing at research study center								
6	<b>Year: 2</b>	Pt. Ravishankar Shukla University	Project Technical Support - I	8	12	19,800	0.00	1,900,800.00
<b>Justification :</b> For field work								
7	<b>Year: 3</b>	Pt. Ravishankar Shukla University	Project Research Scientist - I (Non Medical)	1	12	61,600	0.00	739,200.00
<b>Justification :</b> For Data Processing and analysis								
8	<b>Year: 3</b>	Pt. Ravishankar Shukla University	Project Technical Support - III	1	12	33,600	0.00	403,200.00
<b>Total Cost (Rs.)</b> including overhead								<b>9,302,400.00</b>



**Budget Breakup Details** (Staff/Manpower)

**Justification :**For Sample Testing at research study center

9	<b>Year: 3</b>	Pt. Ravishankar Shukla University	Project Technical Support - I	8	12	21,600	0.00	2,073,600.00
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**Justification :**For field work

<b>Total Cost (Rs.)</b>								<b>9,302,400.00</b>
including overhead								

**Contingency budget breakup details**

#	Budget Year	Institute	Contingency Name	Overhead Charges (Rs.)	Total Cost(Rs.)
1	<b>Year: 1</b>	Pt. Ravishankar Shukla University	Stationary, books, repair and maintenance, publication	2,700.00	90,000.00

**Justification :**for field and lab work

2	<b>Year: 2</b>	Pt. Ravishankar Shukla University	books, printing, publication	2,700.00	90,000.00
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**Justification :**Field work, printing, repair, publication

3	<b>Year: 3</b>	Pt. Ravishankar Shukla University	Printing, patent, publication, repair and maintenance	4,200.00	140,000.00
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**Justification :**For field and lab

<b>Total Cost (Rs.)</b>								<b>329,600.00</b>
including overhead								

**Consumables Budget Breakup Details**

#	Budget Year	Institute	Consumables Name	Overhead	Total Cost(Rs.)
1	<b>Year: 1</b>	Pt. Ravishankar Shukla University	1)Salimetrics Oral Swab SoS (RUO-Consumables), 2)Swab Storage Tube 88T (RU-consumables), 3) Burette, Pipette, test tubes, chemicals etc For Hormone level testing 4)HCG Monitoring kits	6,600.00	220,000.00

**Justification :**Sample collection and testing

2	<b>Year: 2</b>	Pt. Ravishankar Shukla University	1)Salimetrics Oral Swab SoS (RUO-Consumables), 2)Swab Storage Tube 88T (RU-consumables), 3) Burette, Pipette, test tubes, chemicals etc For Hormone level testing 4)HCG Monitoring kits	6,600.00	220,000.00
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**Justification :**Sample collection and testing

3	<b>Year: 3</b>	Pt. Ravishankar Shukla University	1)Salimetrics Oral Swab SoS (RUO-Consumables), 2)Swab Storage Tube 88T (RU-consumables), 3) Burette, Pipette, test tubes, chemicals etc For Hormone level testing 4)HCG Monitoring kits	6,600.00	220,000.00
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**Justification :**Sample collection and testing

<b>Total Cost (Rs.)</b>								<b>679,800.00</b>
including overhead								

**Equipment Budget Breakup Details**

#	Budget Year	Institute	Equipment Name	Equipment Model	Equipment Manufacturer	Equipment Type	Total Cost(Rs.)
							<b>Total (Rs.): 10,651,342.00</b>

**Equipment Budget Breakup Details**

1	<b>Year: 1</b>	Pt. Ravishankar Shukla University	1-2602 17 OH Progesterone EIA Kit-			Imported	189,074.00
<b>Justification :</b> Progesterone and Estrogen Testing kit							
<b>Mode of Proposed disposal :</b> Quotation from Biogenuix Medsystems Pvt. Ltd.							
2	<b>Year: 1</b>	Pt. Ravishankar Shukla University	24" Monitor 7000			Imported	18,998.00
<b>Justification :</b> Monitor for server							
<b>Mode of Proposed disposal :</b> Quotation Received from Balaji Infotech							
3	<b>Year: 1</b>	Pt. Ravishankar Shukla University	Server ST550		Intel	Imported	337,514.00
<b>Justification :</b> For advance computing							
<b>Mode of Proposed disposal :</b> Quotation Received from Balaji Infotech							
4	<b>Year: 1</b>	Pt. Ravishankar Shukla University	HP Pavilion 15-eg3036TU 85700 Intel 13th Gen i71360P 16 GB DDR4 1 TB SSD Intel Iris Xe Graphics Windows 11 Microsoft Office Home Student Edition 2021 Backlit KBD		HP	Imported	410,640.00
<b>Justification :</b> For different locations for sample collection							
<b>Mode of Proposed disposal :</b> Quotation Received from Balaji Infotech							
5	<b>Year: 1</b>	Pt. Ravishankar Shukla University	Head Phone – H370 USB headphone Logitech	H370	Logitech	Imported	19,116.00
<b>Justification :</b> For different locations during sample collection and for Scientific Assistants at research study centre							
<b>Mode of Proposed disposal :</b> Quotation Received from Balaji Infotech							
6	<b>Year: 1</b>	Pt. Ravishankar Shukla University	32 Channel Wireless EEG Cap System Saline, with PRO Academic Software	Epoc Flex	Emotiv Inc.	Imported	4,956,000.00
<b>Justification :</b> for EEG sample collection							
<b>Mode of Proposed disposal :</b> Quotation from Gentech Marketing Distribution Pvt Ltd							
7	<b>Year: 1</b>	Pt. Ravishankar Shukla University	BIOHARNESS WIRELESS ECG And Respiration BioHarness Telemetry ACQ	Bioharness	Biopac Systems Inc.	Imported	4,720,000.00
<b>Justification :</b> ECG sample collection ,digitization and ECG parameters detection							
<b>Mode of Proposed disposal :</b> Quotation from Gentech Marketing Distribution Pvt Ltd							
							<b>Total (Rs.): 10,651,342.00</b>

**Travel Justification**

#	Year	Amount(Rs.)
1	<b>Year: 1</b>	50000.00
<b>Total:</b>		<b>200,000.00</b>





**Short resume PI/Co-PI**

**Maximum of 10 primary research publications related to the proposal**

Publication details in AMA style	Impact factor of journal	Author type (first, corresponding, coauthor)	Name of policy/programme/ protocol document or patent/commercialization of products where cited.
Nivedita Deshpande, Kishor Sahu ,A Study of Video Summarization using various Compression Techniques, International Journal of Emerging Trends Technology in Computer Science, June 2017, Vol 6, pp45-47 ISSN 2278-6856	2.52	first	-
Nivedita Deshpande, Kishor Sahu, Video Compression by Key-frame Extraction Based on Entropy Evaluation, International Journal of Advanced Research and Communication Engineering, June 2017, Vol 6	6.18	first	-
N. Deshpande, K.Thakur , A.S.Zadgaonkar Assessment of pulse pressure in human heart from formant frequency analysis of speech, International Journal of Pure and Applied Science Tech., ISSN 2229-6107, Jan 2012, Vol-8, pp 75-79	.765	first	-
Kavita Thakur Anjali Deshpande , Determination of hormonal changes during a menstrual cycle in females using speech signal analysis, 47th National Symposium in Acoustics 2019 (NSA 2019),pp.77-82 ,Oct. 17-19,2019,organized by School of Physical Sciences, Ravenshaw University, Odisha and Acoustical Society of India (ASI) in Ravenshaw University, Odisha.	peer review	corresponding	-
N. Deshpande, K.Thakur , A.S.Zadgaonkar , First Degree Heart Block Determination From Speech Analysis, International Conference on Signal, Image and Pattern Analysis (ICSIPR 2013), PP 103-106,February, 7-8,2013,Karunya University,Coimbatore, Tamil Nadu,India, IEEE Xplore : Product Type : Conference Publications , ISBN : 978-1- 4673-4861-4, INSPEC Accession Number:13446285, DOI : 10.1109/ICSIPR.2013.6497968 – 10.5121/csit.2012.2141	peer review	first	-
N. Deshpande, K.Thakur , A.S.Zadgaonkar, Determination of Prolonged QRS Complex through Speech Analysis, The SciTech, Journal of Science and Technology, Special Issue, 8th August,2012, pp 1-5, 2012, ISSN: 2278-5329, The SciTech Publishers, Broadcasting Science and Technology , IF 1.5706 (2012)	.232	first	-
Dr. KavitaThakur, Nivedita Deshpande and Dr. A.S.Zadgaonkar, Assessment of pulse pressure in human heart from formant frequency analysis of speech (ref. no. IJPAST-235/10/11). International Journal of Pure and Applied Science and Technology (IJPAST), Vol. 8 , No.1, January 2012, pp. 75-79 , ISSN : 2229 – 6107, IJPAST Research Group (Interdisciplinary and Joint Research Group in Pure Applied Sciences and Technology), India.	peer review	coauthor	-
Nivedita Deshpande , KavitaThakur and A.S.Zadgaonkar ,Effect on Systolic and Diastolic duration due to emotional setback. International Journal of Information Technology convergence and services (IJITCS), Vol.2, No.1, February 2012, pp. 61-65, ISSN : 2231-153X (on line) 2231-1939 (Print), DOI : 10.5121/ijitcs.2012.2107	peer review	first	-
Nivedita Deshpande,Kavita Thakur and A S Zadgaonkar , Assessment of heart rate variability from speech analysis, Journal of Acoustical Society of America (JASA), Vol.135, No.4, 2427(May 2014), ISSN: 0001-4966, http://dx.doi.org/10.1121/1.4878075,POMA21, 055004(2014), http://dx.doi.org/10.1121/1.4880900.	2.365	first	-
Kavita Thakur, Anjali Deshpande , A Heart Speech Model based on Correlation between Heart Parameters and Speech Features extracted from Speech Signal analysis International Journal of Luminescence and Applications, Vol 7, No 3-4, pp.519-520, October- December 2017, ISSN 2277-6362.	4.17	corresponding	-
Dr Kavita Thakur, Mohana Roy Chowdhury, Dr Anjali Deshpande, Dr A S Zadgaonkar , Assessment of menstrual cycle and behavioral changes using digital speech processing techniques. International Journal of Communications, Vol. 10, pp 1-20,January 2016, ISSN 1998 4480	1.637	coauthor	-

**Short resume PI/Co-PI****Experience as Investigator**

Title of the project	Role	Funding Agency	Amount of Funding	Reference of main publications
Development and Implementation of software based Automatic Heart Monitoring System through Speech Signal Analysis.	Co-PI	CCOST, Raipur, Minor Research Project	5.00	A Heart Speech Model based on Correlation between Heart Parameters and Speech Features extracted from Speech Signal analysis, Kavita Thakur, Anjali Deshpande, International Journal of Luminescence and Applications, Vol 7, No 3-4, pp.519-520, October- December 2017, ISSN 2277-6362.

**Ongoing research projects (funded by ICMR)**

Project Id	Title	Grant Amount	Start Date	End Date
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Name of PI/Co-Pi	DOB	Domain Expertise	Number of articles in Pub Med (Past 10 years)	h-index	Fellow of Academics
Dr SARITA AGRAWAL	1968-07-14	High Risk Pregnancy , Obstetrician and Gynecology	19	10	5. Fellow of Academics 1. Fellow college of General Practitioner, India 2. Fellow college of General Practitioner, India 3. Fellow Indian College of Obstetrician and Gynecologists 4. Fellow Indian Academy of Medical Specialties



**Short resume PI/Co-PI**

**Maximum of 10 primary research publications related to the proposal**

Publication details in AMA style	Impact factor of journal	Author type (first, corresponding, coauthor)	Name of policy/programme/ protocol document or patent/commercialization of products where cited.
Suprava Patel1 , Ritu Priya1, Phalguni Padhi2, Tripty Naik2, Jessy Abraham1, Rachita Nanda1, Eli Mohapatra1, and Sarita Agrawal3. Prevalence of Congenital Hypothyroidism and G6PD Deficiency in Newborns in a Tertiary Care Hospital of Central India. In "SAGE Journals" Journal of Neonatology1–5© 2021 National Neonatology Forum Reprints and permissions:in.sagepub.com/journals-permissions-india DOI: 10.1177/0973217920987713journals.sagepub.com/home/nnt	-	coauthor	-
Arpana Vermaa, b, Sarita Rajbhara, Pushpawati Thakura, Sarita Agrawal, Sangeeta Pradhana. Favorable Pregnancy Outcome in a Granulomatosis With Polyangiitis Patient With Renal Insufficiency. In Emer press journals J Med Cases. 202112(1):27-31 <a href="https://www.journalmc.org/index.php/JMC/article/view/3610">https://www.journalmc.org/index.php/JMC/article/view/3610</a>	-	coauthor	-
Vinita Singh, Sabah Siddiqui, Nighat Hussain, Rachita Nanda, Amit Bugalia, Sarita Agrawal. Serum testosterone level and semen quality in male patients with sickle cell disease in outpatient department of Chhattisgarh: a case-control study. In Int J Clin Exp Pathol.2022 15(6): 247–252. <a href="http://www.ijcep.com /ISSN:1936-2625/IJCEP0133072">www.ijcep.com /ISSN:1936-2625/IJCEP0133072</a> June 30, 2022	-	coauthor	-
Neethu Showkath1, Meenakshi Sinha2 , Jayshri R. Ghate2 ,Sarita Agrawal3, Sucharita Mandal4 and Ramanjan Sinha2. EEG-ERP Correlates of Cognitive Dysfunction in Polycystic Ovarian Syndrome. SAGE Journals (Annals of Neurosciences). <a href="https://doi.org/10.1177/09727531221115318">https://doi.org/10.1177/09727531221115318</a> .August 23, 2022	-	coauthor	-
Vinita Singh ,Solanke Rashmi Sushil, Sarita Agrawal, Inamdar Anupam Pradip Sangeeta Pradhan. HELLP Syndrome Pregnancy Complicated By Covid-19 Infection- A Case Report. International Journal Of Scientific Research. In Volume - 11   Issue - 02   February - 2022   PRINT ISSN No. 2277 - 8179   DOI : 10.36106/ijsr	-	coauthor	-
Rachita Nanda Prasanta Kumar Nayak Suprava Patel Eli Mohapatra, Sarita Agrawal. First-Trimester Reference Intervals for Thyroid Function Testing among Women Screened at a Tertiary Care Hospital in India. Journal of laboratory Physicians <a href="https://www.researchgate.net/publication/356142414">https://www.researchgate.net/publication/356142414</a> DOI <a href="https://doi.org/10.1055/s-0041-1736520">https://doi.org/10.1055/s-0041-1736520</a> .ISSN 0974-2727.	-	coauthor	-
Mohd Ashraf Ganie Subhankar Chowdhury Vanita Suri Beena Joshi Prasanta Kumar Bhattacharya Sarita Agrawal Neena Malhotra Rakesh Sahay Roya Rozati Puthiyaveettil Khadar Jabbar et al. Evaluation of the Prevalence, Regional Phenotypic Variation, Comorbidities, Risk Factors, and Variations in Response to Different Therapeutic Modalities Among Indian Women: Proposal for the Indian Council of Medical Research–Polycystic Ovary Syndrome (ICMR–PCOS) Study. JMIR Research Protocols 2021-08-27   Journal article DOI: 10.2196/23437	-	coauthor	-
Mohd Ashraf Ganie Subhankar Chowdhury Vanita Suri Beena Joshi Prasanta Kumar Bhattacharya Sarita Agrawal Neena Malhotra Rakesh Sahay Puthiyaveettil Khadar Jabbar Roya Rozati et al.Prevalence, Regional Variations and Predictors of Overweight, Obesity and Hypertension Among Healthy Reproductive-aged Indian Women: Nationwide Cross-sectional PCOS Task Force Study JMIR Public Health and Surveillance 2022-11-22   Journal article DOI: 10.2196/43199. URL <a href="https://doi.org/10.2196/preprints.43199">https://doi.org/10.2196/preprints.43199</a>	-	coauthor	-
Public Health System’s preparedness to address Polycystic Ovarian Syndrome: A Rapid Assessment Survey of Health Care Providers in India	-	coauthor	-
Mohd Ashraf Ganie a b m, Subhankar Chowdhury c m, Vanita Suri d m, Beena Joshi e m, Prasanta Kumar Bhattacharya f m, Sarita Agrawal g m, Neena Malhotra h m, Rakesh Sahay i m, Puthiyaveettil Khadar Jabbar j m, Abilash Nair j m, Roya Rozati k m, Amlin Shukla l, Rabiya Rashid a m, Idrees A. Shah b m, Haroon Rashid a m, Imtiyaz Ahmad Wani a m, Taruna Arora l, Bharati Kulkarni l PCOS Study Groupn Normative range of various serum hormonal parameters among Indian women of reproductive age: ICMR-PCOS task force study outcome. The Lancet Regional Health - Southeast Asia, Volume 15, August 2023, 100226	-	coauthor	-

**Short resume PI/Co-PI**

***Experience as Investigator***

Title of the project	Role	Funding Agency	Amount of Funding	Reference of main publications
SCOPE - Standardization of Covid in Pregnancy Standardizing of data collection and protocol for improving the Quality of evidence on clinical characteristics and outcomes of COVID-19 and Pregnancy	PI	WHO	210000.00	Completed/ Publication awaited
The Ultraviolet germicidal chamber LUMOS-TEZ for decontamination of N95 faces mask and other medical devices.	PI	AIIMS Raipur (CGCOST)	100000.00	Sarita Agrawal, Sashi Sekhar Dubey , Sanjay Singh Negi, Padma Das, Ajoy Behra. The Ultraviolet germicidal chamber LUMOS-TEZ for decontamination of N95 faces mask and other medical devices. In International Journal Of Scientific Research Volume - 9   Issue - 8   August - 2020   PRINT ISSN No. 2277 - 8179   DOI : 10.36106/ijsr
Evaluation of prevalence, regional phenotypic variation, co morbidities, risk factors and the variations in response to different therapeutic modalities among Indian women with polycystic ovary syndrome (PCOS): A Multicenter study across India	PI	ICMR	10763850.00	Mohd Ashraf Ganie Subhankar Chowdhury Vanita Suri Beena Joshi Prasanta Kumar Bhattacharya Sarita Agrawal Neena Malhotra Rakesh Sahay Puthiyaveetil Khadar Jabbar Roya Rozati et al.Prevalence, Regional Variations and Predictors of Overweight, Obesity and Hypertension Among Healthy Reproductive-aged Indian Women: Nationwide Cross-sectional PCOS Task Force Study JMIR Public Health and Surveillance 2022-11-22   Journal article DOI: 10.2196/43199. URL <a href="https://doi.org/10.2196/preprints.43199">https://doi.org/10.2196/preprints.43199</a>

***Ongoing research projects (funded by ICMR)***

Project Id	Title	Grant Amount	Start Date	End Date

Name of PI/Co-Pi	DOB	Domain Expertise	Number of articles in Pub Med (Past 10 years)	h-index	Fellow of Academics
Prof Arti Parganiha	1968-07-31	Chronobiology: Shift-work optimization, Cancer Chronotherapy Cognitive Science Animal Behaviour	19	11 in Scopus	Elected Member, National Academy of Sciences, India, Year of Election: 2023

**Short resume PI/Co-PI**

**Maximum of 10 primary research publications related to the proposal**

Publication details in AMA style	Impact factor of journal	Author type (first, corresponding, coauthor)	Name of policy/programme/ protocol document or patent/commercialization of products where cited.
Gouldthorpe C, Ancoli-Israel S, Cash E, Innominato P, Jakobsen G, Lévi F, Miaskowski C, Parganiha A, Pati AK, Pereira D, Revell V, Zeitzer JM, Davies A. International e-Delphi consensus recommendations for the assessment and diagnosis of circadian rest-activity rhythm disorders (CARDS) in patients with cancer. <i>Cancers</i> , 2023;15:3784.	5.2	coauthor	-
Singh MM, Chandel P, Pati AK, Parganiha A. Does exposure to radiofrequency radiation (RFR) affect the circadian rhythm of rest-activity patterns and behavioral sleep variables in humans <i>Biol Rhythm Res</i> . 2022;53(9):1414-1438.	1.1	coauthor	-
Sultan A, Pati AK, Choudhary V, Parganiha A. Repeated chemotherapy cycles produced progressively worse and enduring impairments in the sleep-wake profile of hospitalized breast cancer patients. <i>Biol Rhythm Res</i> . 2020;51(8):1166-1181.	2.8	coauthor	-
Sultan A, Pati AK, Choudhary V, Parganiha A. Hospitalization-induced exacerbation of the ill effects of chemotherapy on rest-activity rhythm and quality of life of breast cancer patients: a prospective and comparative cross-sectional follow-up study. <i>Chronobiol Int</i> . 2018;35(11):1513-1532.	2.8	coauthor	-
Pande B, Parveen N, Parganiha A, Pati AK. Shortening of sleep length and delayed mid sleep on free days are the characteristic features of predominantly morning active population of Indian teenagers. <i>Sleep Biol Rhythms</i> . 2018;16:431-439.	1.1	coauthor	-
Sultan A, Pati AK, Choudhary V, Parganiha A. Circadian rhythm characteristics of salivary alpha-amylase – a potential stress marker, in breast cancer in- and out-patients: a follow-up study. <i>Biol Rhythm Res</i> . 2018;49(5):680-696.	1.1	coauthor	-
Sultan A, Choudhary V, Parganiha A. Worsening of rest-activity circadian rhythm and quality of life in female breast cancer patients along progression of chemotherapy cycles. <i>Chronobiol Int</i> . 2017;34(5):609-623.	2.8	coauthor	-
Pande B, Parganiha A, Patra P, Pati AK. Short-duration judgment in young Indian subjects under 30-h constant wakefulness. <i>Indian J Exp Biol</i> . 2014;52:559-568.	0.944	coauthor	-
Pande B, Shindey RD, Parganiha A, Pati AK. Interval timing as function of methods of estimation - a study on cohorts of young Indians. <i>Biol Rhythm Res</i> . 2013;44(3), 469-483.	1.1	coauthor	-
Pande B, Rathod G, Vaidya, N, Nag C., Parganiha A, Pati, A.K. Non-auditory effect of community noise on interval timing in humans: an exploration. <i>Biol Rhythm Res</i> . 2012;43(6):585-601.	1.1	coauthor	-



**Short resume PI/Co-PI**

***Experience as Investigator***

Title of the project	Role	Funding Agency	Amount of Funding	Reference of main publications
Alterations in circadian rhythmicity of heart rate variability and activity cycle in asthmatic patients its implications.	Co-PI	AllMS, Raipur	4.95	Sinha, M., Behera, A.K., Sinha, R., Parganiha, P., Pande, B., Sharma, R. and Pati, A.K. (2021). Circadian rhythmicity of heart rate variability and its impact on cardiac autonomic modulation in asthma. Chronobiology International, 38(11), 1631-1639.
Inventory on earthworm biodiversity database of Raipur district of Chhattisgarh agro-ecosystems cultivating scented rice.	Co-PI	CCOST, Raipur, Minor Research Project	4.90	Senapati, B.K., Parganiha, A., Pati, A.K. and Panigrahi, P.K. (2015). Sustainable management of agriculture with low entropy strategy: apropos earthworm. Journal of Ravishankar University-B, 28, 1-10.
Salivary alpha-amylase and rest-activity rhythms in patients with breast cancer.	PI	CCOST, Raipur, Minor Research Project	5.00	Sultan, A., Pati, A.K., Choudhary, V. and Parganiha, A. (2018). Circadian rhythm characteristics of salivary alpha-amylase – a potential stress marker, in breast cancer in- and out-patients: a follow-up study. Biological Rhythm Research. 49, 680-696
Study of circadian rhythm in the cognitive ability to judge short-interval durations in humans and the effect of light at night (LAN).	Co-PI	DST, New Delhi, (under the scheme Cognitive Science Research Initiative (CSI)	31.20	<ul style="list-style-type: none"> <li>• Pande. B., Rathod, G., Vaidya, N., Nag, C., Parganiha, A. and Pati, A.K. (2012). Non-auditory effect of community noise on interval timing in humans: an exploration. Biological Rhythm Research, 43, 585-601.</li> <li>• Pande, B., Shindey, R.D., Parganiha, A. and Pati, A.K. (2013). Interval timing as function of methods of estimation - a study on cohorts of young Indians. Biological Rhythm Research, 44, 469-483.</li> <li>• Pande, B., Parganiha, A., Patra, P. and Pati, A.K. (2014). Short-duration judgment in young Indian subjects under 30-h constant wakefulness. Indian Journal of Experimental Biology, 52, 559-568.</li> </ul>
Study of rest-activity circadian rhythm in cancer patients: An attempt to develop strategies for chronotherapy and QoL	PI	UGC, New Delhi, Major Research Project	9.15	<ul style="list-style-type: none"> <li>• Taj, S., Choudhary, V. and Parganiha, A. (2013). Temporal profiles of physical activity and energy expenditure in cancer in-patients. Biological Rhythm Research, 44, 219-235.</li> <li>• Sultan, A., Choudhary, V. and Parganiha, A. (2014). Characteristics of circadian rhythms in rest-activity and energy expenditure in cancer in-patients. South Asian Journal of Experimental Biology, 4(6), 327-335</li> </ul>
Circadian time structure of shift workers as a function of chronotype	PI	DST, New Delhi, Under SERC Fast Track Scheme	11.95	Pati, A.K. and Parganiha, A. (2005). Shift work: Circadian rhythm disruption and beyond. Proc. Indian Natn. Sci. Acad. (PINSAs), B71, 229-255.

***Ongoing research projects (funded by ICMR)***

Project Id	Title	Grant Amount	Start Date	End Date	
Name of PI/Co-Pi	DOB	Domain Expertise	Number of articles in Pub Med (Past 10 years)	h-index	Fellow of Academics
Dr KAVITA THAKUR	1967-12-07	Speech, Image Biomedical signal processing and its applications in forensic science, pattern recognition, detection of breast cancer ,personal identification, Microcontroller Design based control, forensic science, pattern recognition, , underwater imaging, nano imaging etc	1	4 (Scopus and SCI Index - 10)	Fellow, Acoustical Society of India(ASA) Life member of Institute of Engineers Life Member of ISTE (Indian Soc. for Technical Education) Senior Member, IEEE (Institute of Electrical and Electronics Engineers) Member, ACM (Association for Computing Machinery), Member : Capacity Building of Women Managers in Higher Education

**Short resume PI/Co-PI**

**Maximum of 10 primary research publications related to the proposal**

Publication details in AMA style	Impact factor of journal	Author type (first, corresponding, coauthor)	Name of policy/programme/ protocol document or patent/commercialization of products where cited.
Kavita Thakur and A.S. Zadgaonkar., Acoustical Speech Method for Monitoring Foetus Growth, J. Aco. Soc. Ind., , Kolkata ,XXV (1 2), VI 6.1 - 6.5 (1997). ISSN: 0973- 3302	peer review	first	-
Kavita Thakur Anjali Deshpande , Determination of hormonal changes during a menstrual cycle in females using speech signal analysis, 47th National Symposium in Acoustics 2019 (NSA 2019),pp.77-82 ,Oct. 17-19,2019,organized by School of Physical Sciences, Ravenshaw University, Odisha and Acoustical Society of India (ASI) in Ravenshaw University, Odisha.	peer review	first	-
N. Deshpande, K.Thakur , A.S.Zadgaonkar , First degree heart block determination from speech signal analysisInternational Conference on Signal, Image and Pattern Analysis (ICSIPR 2013), PP 103-106,February, 7-8,2013,Karunya University,Coimbatore, Tamil Nadu,India, IEEE Xplore : Product Type : Conference Publications , ISBN : 978-1- 4673-4861-4, INSPEC Accession Number:13446285, DOI : 10.1109/ICSIPR.2013.6497968 – 10.5121/csit.2012.2141	peer review	corresponding	-
N. Deshpande, K.Thakur , A.S.Zadgaonkar, Determination of Prolonged QRS Complex through Speech Analysis, The SciTech, Journal of Science and Technology, Special Issue, 8th August,2012, pp 1-5, 2012, ISSN: 2278-5329, The SciTech Publishers, Broadcasting Science and Technology , IF 1.5706 (2012)	.232	corresponding	-
Nivedita Deshpande,Kavita Thakur and A S Zadgaonkar , Assessment of heart rate variability from speech analysis, Journal of Acoustical Society of America (JASA), Vol.135, No.4, 2427(May 2014), ISSN: 0001-4966, <a href="http://dx.doi.org/10.1121/1.4878075">http://dx.doi.org/10.1121/1.4878075</a> ,POMA21, 055004(2014), <a href="http://dx.doi.org/10.1121/1.4880900">http://dx.doi.org/10.1121/1.4880900</a> .	2.365	corresponding	-
Kavita Thakur, Anjali Deshpande , A Heart Speech Model based on Correlation between Heart Parameters and Speech Features extracted from Speech Signal analysis International Journal of Luminescence and Applications, Vol 7, No 3-4, pp.519-520, October- December 2017, ISSN 2277-6362.	4.17	first	-
Dr Kavita Thakur, Mohana Roy Chowdhury, Dr Anjali Deshpande, Dr A S Zadgaonkar , Assessment of menstrual cycle and behavioral changes using digital speech processing techniques. International Journal of Communications, Vol. 10, pp 1-20,January 2016, ISSN 1998 4480	1.637	coauthor	-
Sunandan Mandal, Kavita Thakur, Bikesh Kumar Singh , Epileptic seizure detection using deep learning based long short-term memory networks and time-frequency analysis: A comparative investigation in machine learning paradigm, Brazilian Archives of Biology and Technology (BABT), Vol.65 , ISSN (online): 1516- 8913(print),1678-4324(online),SCI 0.797(2020/2021), <a href="https://doi.org/10.1590/1678-4324-2022210559">https://doi.org/10.1590/1678-4324-2022210559</a> , 5th November 2021(Accepted)	.797	coauthor	-
Sunandan Mandal, Bikesh Kumar Singh, Kavita Thakur ,Majority voting based hybrid feature selection in machine learning paradigm for epilepsy detection using EEG, International Journal of Computational Vision and Robotics (IJCVR), Vol.11,No.4,pp 385- 400,ISSN(print): 1752-9131, ISSN(online): 1752-914X, <a href="https://doi.org/10.1504/IJCVR.2021.116558">https://doi.org/10.1504/IJCVR.2021.116558</a> , 29th April 2021(published online), Inderscience Publisher, Scopus indexed.	-	coauthor	-
Sunandan Mandal, Kavita Thakur, Bikesh Singh ,Classification of working memory loads using hybrid EEG and fNIRS in machine learning paradigm,IET Electronics Letters, Vol.56, No 25, pp 1386-1389, December 2020, ISSN : 1350- 911X(online), 0013-5194 (print), SCIE,JIF: 1.316	1.316	coauthor	-

**Short resume PI/Co-PI****Experience as Investigator**

Title of the project	Role	Funding Agency	Amount of Funding	Reference of main publications
Design and Implementation of Image Enhancement Techniques in Spatial Domain	PI	Chhattisgarh Council of Science and Technology (CCOST), Raipur, C.G., India	2.00	Enhancement of AFM image artifacts. G.R. Sinha and Kavita Thakur, M. K. Kowar, International Journal of Nano System (IJNS) Vol.1, no.2, 141-145, July – December (2008). ISSN : 0973-7332, Serial Publication, New Delhi.
Speaker Identification using DSP tools	PI	U.G.C., New Delhi, India	0.20	Estimation of Speakers Height and Weight using Phonetic Parameters by Artificial Neural Net work. A Shukla, A.S. Zadgaonkar and Kavita Thakur The Sixth International Workshop on Recent Trends in Speech, Music and Allied Signal Processing IWSMSP-2001, p.29-37, Dec.19-21,2001, Delhi, India.

**Ongoing research projects (funded by ICMR)**

Project Id	Title	Grant Amount	Start Date	End Date
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**Declaration**

I hereby declare that the entries in this form and the additional particulars, if any, furnished herewith are true to the best of my knowledge and belief. I understand that in the event of my information being found false or incorrect at any stage, my project/proposal shall be liable to cancellation / termination without notice or any compensation in lieu thereof.

I hereby certify that the research proposal I have submitted to ICMR, New Delhi, for potential funding is entirely my original idea and has not been copied or replicated from any other source. Furthermore, I confirm that this proposal has undergone scrutiny using a standard plagiarism detection tool, verifying its originality and confirming that its contents have not been directly taken from any other sources. Additionally, I declare that there have been no established or pending plagiarism charges against me in the last five years.

In the event that the funding agency identifies any form of plagiarism or inconsistencies in the aforementioned proposal, I acknowledge and agree to comply with any actions deemed necessary by ICMR. I take full responsibility for any such discrepancies and will adhere to the consequences as required.



Ref. ICMR-Call for Application: Investigator-Initiated Research

Proposals for Intermediate Extramural Grants 2024 (89)

Title of the project: **Hormonal Shifts in Expectant Mothers using Speech Signal Analysis for Monitoring the Maternal and Fetal Behavioural and Physiological Health**

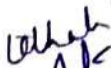



Name of the PI: **Dr. Kavita Thakur**

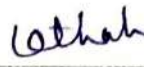

Name of the Institute: **Pt. Ravishankar Shukla University**

**Declaration & Attestation**

We hereby certify that:

- i. We have read the terms and conditions for ICMR Research Grant. All necessary Institutional facilities will be provided if the research project is approved for financial assistance.
- ii. The equipment(s) that is being requested as part of this project is/are not available in the Institute/Department /or these are available and are being used at full capacity (Strike off the inappropriate one)
- iii. The equipment(s) requested as part of this project have not been purchased earlier from the funds provided by ICMR for previous project(s) in the Institute.
- iv. No utilization certificate (UC)/ statement of expenditure (SoE) final report is pending for earlier ICMR project(s) under the PI and the final report(s) for earlier projects have been submitted.
- v. The project has not been submitted to any funding agency or institution other than the ICMR.
- vi. The PI does not have more than 5 (five) ICMR projects at present as a Principal Investigator.
- vii. We understand that ICMR shall only fund for the project positions, as enumerated in the criteria for engagement of Non-Institutional Project Human Resource Positions, purely on temporary contractual basis. ICMR has apprised us of this rule and we have carefully noted it.
- viii. The PI and Co-investigator(s) hereby submit the ICMR Declaration of Interest form in prescribed format.
- ix. The name of the Statutory Audit Authority of our Institute is as follows:  
Chhattisgarh State Audit, Raipur.  
[Please attach a copy of the resolution if a private firm is engaged]
- x. Registration/Unique ID no. assigned by NITI Ayog, GoI (on DARPAN Portal) (applicable only for NGOs):  
.....
- xi. CV of the investigator and Co-Investigators is/are attached in prescribed format.

	Name	Signature	Date
a) Principal Investigator	Dr. Kavita Thakur		20.03.24
b) Co-Investigator(s)	Dr. Aarti Parganiha		20.03.24
	Dr. Sarita Agrawal		20.03.24
	Dr. Anjali Deshpande		20.03.24

c) Head of the Department Dr. Kavita Thakur  20.03.24 

Signature of the Head of the Institution with seal

**REGISTRAR**

Pt. Ravishankar Shukla University  
RAIPUR (Chhattisgarh)

**HEAD**  
S.O.S. in Electronics & Photonics  
Pt. Ravishankar Shukla University  
RAIPUR (C.G.) 492 010



Dr. S. N. Chari  
Deputy Director  
RP Division  
Tel # 011-26742351  
Email: rpdivision@icssr.org

Indian Council of Social Science Research  
(Ministry of Education)  
Aruna Asaf Ali Marg, JNU Institutional Area  
New Delhi – 110067  
Website: www.icssr.org

\*\*\*\*\*

**AWARD LETTER**

F. No. ICSSR/RPD/RPR/2023-24/22

Dated: 23/03/2024

To,

**The Registrar**  
School of Studies in Sociology and Social  
Work, Pt. Ravishankar Shukla University  
Raipur, Chhattisgarh.

<b>Subject:</b>	Award Letter of Research Programme titled “समकालीन परिदृश्य में बस्तरिया शिल्पकला एवं शिल्पकारों की दशा का ऐतिहासिक, समाजशास्त्रीय एवं नृजातीय अध्ययन” submitted by the School of Studies in Sociology and Social Work, Pt. Ravishankar Shukla University Raipur, Chhattisgarh., under the call for Project Proposals on “History and Sociology of Art, Craft, Culture and Folk Traditions of the Regions of India 2023-2024.
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Dear Sir/Madam,

1. The Indian Council of Social Science Research (ICSSR) has approved the award of Research Programme titled “समकालीन परिदृश्य में बस्तरिया शिल्पकला एवं शिल्पकारों की दशा का ऐतिहासिक, समाजशास्त्रीय एवं नृजातीय अध्ययन” submitted by the School of Studies in Sociology and Social Work, Pt. Ravishankar Shukla University Raipur, Chhattisgarh. with Dr. Hemlata Borkar Wasnik, as the Project Coordinator and Dr. Banso Nuruti as Co-Project Coordinator(s) for a period of 24 months with effect from 1<sup>st</sup> April 2024.
2. The study is to be located at and financially administered by your institution.
3. As per the evaluation/Interaction Committee decision, the Project Coordinator is required to carry out the following Suggestions in the Project: : **Budget to be reduced for the research staff and contingency.**
4. The ICSSR has sanctioned a grant-in-aid of Rs.3500000/- Rupees Thirty Five Lacs Only) for the above research programme and the grant will be released as follows:

First instalment ( 40 % of the awarded grant)	Rs.1400000/-
Second instalment ( 30 % of the awarded grant)	Rs.1050000/-
Third instalment ( 20 % of the awarded grant)	Rs.700000/-
Final instalment ( 10 % of the awarded grant)	Rs.350000/-
<b>Total</b>	<b>Rs.3500000/-</b>
Overhead charges over and above (7.5% of the awarded grant, subject to a maximum limit of Rs.1,00,000)	Rs.100000/-

5. The proportionate allocation of expenditure for the budget heads such as Fieldwork (Travel / Logistics / Boarding, Survey Preparation or Consultancy etc.); Equipment and Study material (Computer, Printer, Source Material, Books, Journals, Software, Data Sets, workshop etc.); and Contingency charges etc., to be decided by the Project Director in consultation with the affiliating institution.



# For Authorship : kindly indicate whether you are (i) Single Author (ii) First and Principal/ Corresponding author/Supervisor/Mentor or (iii) Other Author/ Co-author. This should be per standard definition of the respective terms as applicable to the concerned discipline  
( Note: Enclose all journal papers in sequence i.e. , journal first page along with prop of ISSN No. peer reviewed . If Supervisor, UGC CARE/ Scopus/WoS)

Signature of the Candidate

**2. Research Publications (other than Research papers)**

**Note:** (a) Two authors: 70% of total value of publication for each author.  
(b) More than two authors: 70% of total value of publication for the First/Principal/Corresponding author and 30% of total value of publication for each of the joint authors

**(a) Books/ Book Chapters/ Edited Book :**

**(a)(i) Books Published by International Publishers: (12 Marks each): NIL**

S. No.	Title of the Book	Name of the publisher	Year	ISBN No.	No. of Author (s)	Authorship*	Claimed Score	Verified Score
<b>Sub Total of 2 (a)(i)</b>								

(Note: Enclose all relevant documents in sequence, i.e., Book cover page, back page, contents proof and ISBN No. proof)

**(a)(ii) Books Published by National Publishers: (10 Marks each)**

S	Title of the Book	Name of the publisher	Year	ISBNNo.	No. of Autho	Authors hip*	Claimed Score	Verified Score
1.	छत्तीसगढ़ की जनजातियों का सामाजिक – सांस्कृतिक इतिहास बस्तर जिले की माड़िया जनजाति के विशेष संदर्भ में (19 वीं शताब्दी से वर्तमान तक)	Sarvpriy Prakashan Delhi-Raipur	2023	978-93-93901-40-8	1	Single	10	
<b>Sub Total of 2 (a)(ii)</b>								10

(Note: Enclose all relevant documents in sequence i.e Book cover page, back page, contents proof and ISBN No. proof)

**(a)(iii) Chapters in Edited books: (05 Marks each) :**

S. No.	Title of the Book Chapter	Book Title, editor and publisher	Year	ISBN No.	No. of Author	Authors hip*	Claimed Score	Verified Score
1.	मध्यकालीन भारत में मुस्लिम महिलाओं की स्थिति	Revisiting History and Shivalik Prakashan Delhi	2023	978-93-91214-74-6	1	First	5	
<b>Sub Total of 2 (a)(iii)</b>							5	

(Note: Enclose all relevant documents in sequence i.e Book cover page, back page, contents proof, ISBN No. proof and chapter first page proof)

**(a)(iv) Editor of Books by International Publishers: (10 Marks each): NIL**

S.n.	Title of the Book	Name of the publisher	Year	ISBN No.	No. of Editors	Authorship*	Claimed Sc.	Verified Score
<b>Sub Total of 2 (a)(iv)</b>								

(Note: Enclose all relevant documents in sequence i.e Edited Book cover page, back page, contents proof and ISBN No. proof)

**(a)(v) Editor of Books by National Publishers: (08 Marks each)**





Banso Nuruti &lt;nurutibanso@gmail.com&gt;

**Award Letter**

1 message

RP Division ICSSR <rpdivision@icssr.org>  
To: nurutibanso@gmail.com

Wed, Aug 2, 2023 at 8:44 PM

File No. 02/39/2022-23/ST/TS/RP

Dated: 2<sup>nd</sup> August 2023

**Subject: Award Letter of Special Call for the Studies on the Culture, History, and Geography of the Scheduled Tribes of India under ICSSR Research Projects**

Dear Prof./Dr.Banso Nuruti,

ICSSR extends warmest congratulations to you on successfully obtaining the award of Research Project as per the above Subject.

Please refer to your interaction with Expert Committee, regarding your project proposal for the "Special Call for the Studies on culture, history and geography of the Scheduled Tribes of India under ICSSR Research Projects". The final selection is made on the basis of recommendations of the Expert Committee.

**Title: "लोगों की सामाजिक-राजनीतिक चेतना के विकास में जनजातीय नायकों के योगदान का ऐतिहासिक अध्ययन (18वीं शताब्दी के अंत से 20 वीं शताब्दी के प्रारंभ तक)"**

**Budget Approved: ₹490000/- (Rupees Four Lakh Ninety Thousand Only)**

**Approved Duration of the Project (Months): 12**

**First Instalment: 40%** of the awarded grant, along with detailed Budget in break-up will be sent along with the Sanction Order of **Rs.196000/-**

Please note that this proposal is approved provisionally by the Competent Authority on the recommendations of the Expert Committee, and upon fulfillment of eligible criteria and other conditions, the Sanction Order will be issued after receipt of the below mentioned original documents:

- Undertaking (on non-judicial stamp paper of Rs.100/-) (Sample copy attached)
- Declaration (on non-judicial stamp paper of Rs.100/-) (Sample copy attached)
- Date of commencement of the study
- Original forwarding Letter duly signed/stamped by statutory authority (Sample copy attached)
- Grant-in-aid bill (Pre-receipt) duly filled in for the first instalment (Sample copy attached)
- 12 B status of the affiliating Institute

You are requested to send all the above-mentioned documents to the undersigned on or before 11.08.2023 to enable us to issue the formal Sanction Order as per the checklist enclosed.

You are once again required to review the eligibility criteria in the guidelines and ensure that you fulfill all requirements, both as an individual and as an institution. If you have been awarded a project under any other program of ICSSR, and the Sanction Letter for that project has been issued, you are requested to proceed with the earlier sanction and inform us accordingly. In this situation, the current award will not be considered operational.

If you have already been awarded a project, and the sanction letter has not been issued yet, you may choose between the two awards and clearly inform us which project you would like to proceed with.

the Payments and Transfers are to be done through EAT module of Public Financial Management System (PFMS), hence the institution has to open a dedicated account as per the notification of ICSSR ([https://www.icssr.org/sites/default/files/important\\_notice/2019-PFMS-Notification.pdf](https://www.icssr.org/sites/default/files/important_notice/2019-PFMS-Notification.pdf)). In case of any issues / problems in execution of PFMS, you may go through the video tutorial at <https://www.icssr.org/sites/default/files/pfms.pdf>.

Those Institutions' Bank Account registered under PFMS must ensure that your account is linked with ICSSR Scheme - 0877 at PFMS portal.

**You are requested to commence the study immediately on or before the issue date of the Sanction Order or within one month of the issue date of the provisional award letter/mail.**

best wishes,

Dr. S. N. Chari

Deputy Director

Research Projects Division | अनुसंधान परियोजना विभाग

Indian Council of Social Science Research | भारतीय सामाजिक विज्ञान अनुसंधान परिषद्

(Ministry of Education, Govt. of India) | शिक्षा मंत्रालय, भारत सरकार

Aruna Asaf Ali Marg, JNU Institutional Area, New Delhi - 110067.






Ph.: +91-11-26742351; 26716690; [chari@icssr.org](mailto:chari@icssr.org)

Tel. No. 91-11-26741849/50/51 (EPABX), Ext. 303; 290; 292; 297.

**NOTE :**

- i) No queries will be attended without quoting your FILE NUMBER in all your correspondences, please must quote your File number for all the Correspondences.
- ii) All Publications resulting from the project should acknowledge the support of ICSSR in accordance with the rules of ICSSR for due completion of the Project.

**5 attachments**

-  Declaration (1).docx  
14K
-  Forwarding Letter.pdf  
172K
-  Grant in Aid Bill - Blank (1).docx  
19K
-  ICSSR PFMS Scheme (1).pdf  
157K
-  PROJECT Undertaking.doc  
34K





**IIT Bhilai Innovation and Technology Foundation**  
IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001  
CIN: U80902CT2021NPL011186 | PAN: AAFCI9961E | TAN: JBPI01305D  
Website: <https://www.ibitf.co.in/> | Email: [tih@iitbhilai.ac.in](mailto:tih@iitbhilai.ac.in)

**SANCTION LETTER**

Ref No:- IBITF/Note/TSP/SanctionLetter/2024-25/0028

Dated: 29-01-2024

To,

**Dr. Nitesh Kumar Mishra,**  
Assistant Professor,  
Department of AIHC & Archaeology,  
Pt. Ravishankar Shukla University, Raipur

**Sub: Administrative approval for the project entitled "Economic Upliftment of the Tribes Residing in Balrampur District Through their Cultural Heritage" under the Tribal Area Sub plan (TSP) scheme of IBITF.**

1. The undersigned is directed to convey the administrative approval of the competent Authority for the project titled "Economic Upliftment of the Tribes Residing in Balrampur District Through their Cultural Heritage" under the Tribal Area Sub plan (TSP) scheme of IBITF.
2. The total estimated cost of **Rs. 72,44,000 Lakhs (Rupees Seventy-Two Lakhs Forty-Four Thousand Only)** as support from IIT Bhilai Innovation And Technology Foundation (IBITF) over a period of **Two years** will be provided for this project. The grant for the first year will be disbursed initially, and the grant for the second year will be sanctioned based on the availability of funds and the project's performance. The project may be extended based on performance/availability of funds and requirement of IBITF.
3. It is recommended that the project be implemented through the Start-up to be incubated at Pt. Ravishankar Shukla University, Raipur by Dr. Nitesh Kumar Mishra.
4. The liability-free equity share for IBITF, not exceeding 8%, will be decided at the time of Start-up incorporation/suitable time.
5. The details of the project are given in Annexure-I enclosed.
6. This is issued with the approval of the Chairman, IIT Bhilai Innovation And Technology Foundation (IBITF).

**Prof. Santosh Biswas,**  
Interim CEO & Project Director, IBITF





Dr. S. N. Chari  
Deputy Director  
RP Division  
Tel # 011-26742351  
Email: rpddivision@icssr.org

Indian Council of Social Science Research  
(Ministry of Education)  
Aruna Asaf Ali Marg, JNU Institutional Area  
New Delhi – 110067  
Website: [www.icssr.org](http://www.icssr.org)

**AWARD LETTER**

F. No. ICSSR/RPD/RPR/2023-24/22

Dated: 23/03/2024

To,

**The Registrar**  
School of Studies in Sociology and Social  
Work, Pt. Ravishankar Shukla University  
Raipur, Chhattisgarh.

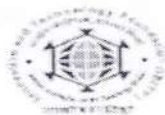
<b>Subject:</b>	Award Letter of Research Programme titled “समकालीन परिदृश्य में बस्तरिया शिल्पकला एवं शिल्पकारों की दशा का ऐतिहासिक, समाजशास्त्रीय एवं नृजातीय अध्ययन” submitted by the School of Studies in Sociology and Social Work, Pt. Ravishankar Shukla University Raipur, Chhattisgarh., under the call for Project Proposals on “History and Sociology of Art, Craft, Culture and Folk Traditions of the Regions of India 2023-2024.
-----------------	---

Dear Sir/Madam,

- The Indian Council of Social Science Research (ICSSR) has approved the award of Research Programme titled “समकालीन परिदृश्य में बस्तरिया शिल्पकला एवं शिल्पकारों की दशा का ऐतिहासिक, समाजशास्त्रीय एवं नृजातीय अध्ययन” submitted by the School of Studies in Sociology and Social Work, Pt. Ravishankar Shukla University Raipur, Chhattisgarh. with Dr. Hemlata Borkar Wasnik, as the Project Coordinator and Dr. Banso Nuruti as Co-Project Coordinator(s) for a period of 24 months with effect from 1<sup>st</sup> April 2024.
- The study is to be located at and financially administered by your institution.
- As per the evaluation/Interaction Committee decision, the Project Coordinator is required to carry out the following Suggestions in the Project: : **Budget to be reduced for the research staff and contingency.**
- The ICSSR has sanctioned a grant-in-aid of **Rs.3500000/- Rupees Thirty Five Lacs Only** for the above research programme and the grant will be released as follows:

First instalment ( 40 % of the awarded grant)	Rs.1400000/-
Second instalment ( 30 % of the awarded grant)	Rs.1050000/-
Third instalment ( 20 % of the awarded grant)	Rs.700000/-
Final instalment ( 10 % of the awarded grant)	Rs.350000/-
<b>Total</b>	<b>Rs.3500000/-</b>
<b>Overhead charges over and above (7.5% of the awarded grant, subject to a maximum limit of Rs.1,00,000)</b>	<b>Rs.100000/-</b>

- The proportionate allocation of expenditure for the budget heads such as Fieldwork (Travel / Logistics / Boarding, Survey Preparation or Consultancy etc.); Equipment and Study material (Computer, Printer, Source Material, Books, Journals, Software, Data Sets, workshop etc.); and Contingency charges etc., to be decided by the Project Director in consultation with the affiliating institution.



**IIT Bhilai Innovation and Technology Foundation**  
IIT Bhilai Permanent Campus, Kutelabhata, Khapri, District- Durg, Chhattisgarh - 491001  
CIN: U80902CT2021NPL011186 | PAN: AAFCI9961E | TAN: JBPI01305D  
Website: <https://www.ibitf.co.in/> | Email: [tih@iitbhilai.ac.in](mailto:tih@iitbhilai.ac.in)

		Pt. Ravishankar Shukla University, Raipur Mr. Ankit Diwan, Assistant Professor, Department of Tourism and Hotel Management, Pt. Ravishankar Shukla University, Raipur
5	Expected duration of the project completion	2 years

**7. Total Project Outlay: Rs. 72,44,000 Lakhs (Rupees Seventy-Two Lakhs Forty-Four Thousand Only)**

Head	1st Year	2nd Year	Amount contributed by industry	Amount payable by IBITF
	(Rs. in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)
Equipment	0	0	Nil	0
Travel	3,00,000	3,00,000	Nil	6,00,000
Manpower	6,72,000	6,72,000	Nil	13,44,000
Training/Workshop	23,50,000	23,50,000	Nil	47,00,000
Contingencies & Consumables	3,00,000	3,00,000	Nil	6,00,000
<b>Grand Total</b>	<b>36,22,000</b>	<b>36,22,000</b>	<b>Nil</b>	<b>72,44,000</b>

**8. Mode and Extent of Funding:**

This funding is provided by the Department of Science and Technology, Government of India, under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS) for the Technology Innovation Hub (FINTECH) at IIT Bhilai. Thus, the commitment of the funds from IBITF is subject to the grants received from the funding organization, i.e., DST, Govt. of India.

**9. Other Terms & Conditions:**

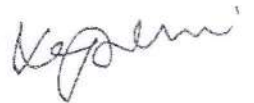
The financial support for this project approved under the Tribal Area Sub plan (TSP) scheme of IIT Bhilai Innovation And Technology Foundation (IBITF) shall be subject to the conditions listed below. The PI/Co-PI shall agree to be governed by these conditions and provide a duly signed copy of this document to IBITF:

1. The amount shall be i) spent for the project within the specified time; and ii) Any portion of the grant, which is not ultimately required for expenditure for the approved purposes, shall be duly surrendered to IBITF.



28. If the scholars do not submit the requisite documents and the final report in time or they are not able not complete the programme in stipulated period, the scholars will be blacklisted and suitable legal recourse will be initiated.
29. The Project Coordinator shall be personally responsible for timely completion of the Programme. The periodic/final report cannot be submitted for the award of any University degree/diploma or funding by any Institution by any member of the project staff, including the Project Coordinator. The ICSSR however, will have no objection if any member of the project staff utilizes the project data for this purpose.
30. In case, the Project Coordinator does not submit the periodic / final project report as per schedule with adequate justification, the institution / Department / Centre may be asked to refund the entire released amount and also debarred from availing all future financial assistance from the ICSSR.
31. All grants from the ICSSR are subject to the general provision of GFR 2005 and in particular with reference to the provision contained in GFR 209, GFR 210, GFR 211 and GFR 212.
32. The Project Coordinator will ensure that the expenditure incurred, remains within the approved budget and the grant-in-aid is subject to all the conditions laid down by the ICSSR.
33. The ICSSR may, at any time ask for verification of accounts and other relevant documents related to the Programme.
34. The instalments will be transferred through EAT Module of Public Financial Management System (PFMS) / RBI Account for ensuring transparency of expenditure at all levels and to ensure that there is no parking of funds with affiliating institution.
35. All programme related queries will be addressed to the Affiliating Institution / Project Coordinator for their timely reply.
36. As per Ministry of Education, Govt. of India instructions, the amount of grant sanctioned herein is to be utilized **by the end of the project duration**. Any amount of the grant remaining unspent shall be refunded to the ICSSR immediately after the expiry of the duration of the project. If the grantee fails to utilize the grant for the purpose of which the same has been sanctioned/or fails to submit the audited statement of expenditure within the stipulated period, the grantee institution will be required to refund the amount of the grant with interest thereon @ 10% per annum.
37. The final authority related to the interpretation of the guidelines or any issue not mentioned here is vested with the ICSSR.

Yours faithfully,



(Dr. S. N. Chari)  
For MEMBER-SECRETARY

Encl: as above.

Copy to:

1. Dr. Hemlata Borkar Wasnik
2. Co-PC-Dr. Banso Nuruti
3. Finance Branch, ICSSR, New Delhi
4. Record File

\*\*\*\*\*





Dr. S. N. Chari  
Deputy Director  
RP Division  
Tel # 011-26742351  
Email: rpdivision@icssr.org

*Speed Post/By Hand*

Indian Council of Social Science Research  
(Ministry of Education)  
Aruna Asaf Ali Marg, JNU Institutional Area  
New Delhi – 110067  
Website: [www.icssr.org](http://www.icssr.org)

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**SANCTION ORDER**

F. No.ICSSR/RPD/MJ/2023-24/OBC/155

Dated: 26/12/2023

To,  
The Registrar,  
Pt. Ravishankar Shukla University,  
Great Eastern Rd, Amanaka  
Raipur,  
Chhattisgarh-492010.

**Subject:** Sanction of Research Project entitled “छत्तीसगढ़ के अनुसूचित क्षेत्रों से संबंधित भूमि अधिग्रहण विवादों की विधिक स्थिति का विश्लेषण” to Dr. Alekh Kumar Sahu under ICSSR Research Projects (Major) 2023-24.

Dear Sir/Madam,

1. The Indian Council of Social Science Research (ICSSR) approved the award of Research Project entitled “छत्तीसगढ़ के अनुसूचित क्षेत्रों से संबंधित भूमि अधिग्रहण विवादों की विधिक स्थिति का विश्लेषण” submitted by Dr. Alekh Kumar Sahu of your Institution.
2. The study, as proposed by the researcher, is to be located at and financially administered by your institution as per the guidelines of this award.
3. As per the evaluation/Interaction Committee decision, project director is required to carry out the following Suggestions in the Project: .....NIL.....
4. The ICSSR has sanctioned a grant-in-aid of Rs.15,00,000/- (Rupees Fifteen Lacs Only) for the above research project and the grant will be released as follows:

First instalment (50% of the awarded grant)	Rs.7,50,000 /-
Second Instalment (20% of the awarded grant)	Rs.3,00,000 /-
Third instalment (20% of the awarded grant)	Rs.3,00,000 /-
Final instalment (10% of the awarded grant)	Rs.1,50,000 /-
Total	Rs.15,00,000 /-
Overhead charges over and above (7.5% of the awarded grant, subject to a maximum limit of Rs.1,00,000) (Released after successful completion of project)	Rs.1,00,000 /-


5. The First Installment (50% from the total awarded grant) will be released after completing the necessary formalities of joining by the Project Director along with the grant-in-aid bill (GIB) duly

*[Handwritten Signature]*



filled in, stamped and signed by the Project Director as well as the affiliating organization. (Needs to submit, if not yet submitted as per the award letter instructions).

6. In case, the study involves survey research, the finalized schedules/questionnaires designed to elicit information should be sent to the ICSSR along with the progress report.
7. **The Second Instalment** (20% from the total awarded grant) is released after receiving a satisfactory twelve months Progress Report, Simple Statement of Accounts with 60% and above utilisation of the first instalment amount, one published research paper in the peer reviewed journal along with grant-in-aid bill towards the second instalment.
8. **The Third Instalment** (20% from the total awarded grant) will be released after receiving book length Final Report in soft copy (both word and PDF format), Executive Summary of Final Report in soft copy (both word and PDF format), 500 words abstract of the Final Report in soft copy, second published research paper (total 2 papers during the project period) in the peer reviewed journal duly acknowledging ICSSR, similarity index score sheet (maximum allowed 10%), simple statement of accounts of Second Instalment along with grant-in-aid bill towards the third instalment. Project Director is required to submit hard copies of the Final Report only after the confirmation from the ICSSR after incorporating the suggested changes.
9. **Fourth and Final Instalment** (remaining 10% from the total awarded grant) will be issued after receipt of recommendation of the expert for acceptance of the Final Report, the Audited statement of accounts (AC) in prescribed format with utilization certificate (UC) in GFR-12A form for the entire approved project amount duly signed by the Finance Officer/Registrar /Director of the affiliating Institution, verification of all documents and decision on retaining of equipment and books etc. needs to be submitted. The institutions of which the accounts are not audited by CAG/AG, their utilisation certificate will be signed by the Finance Officer and a chartered accountant.
10. The scholar needs to acknowledge the support of ICSSR in all publications resulting from the project output (Research Paper, Books, Articles, etc.) and should submit a copy of the same to the ICSSR during its course/after completion.
11. The University/Institution of affiliation will provide office accommodation to the scholar, including furniture, library and research facilities, and messenger services. For this, the ICSSR shall pay the overhead charges at 7.5 % of the awarded budget of the project, subject to a maximum limit of Rs.1,00,000/- to the University/Institution of affiliation only after the successful completion of the project.
12. The accounts and the Utilization Certificate will be signed by the Finance Officer / Registrar / Principal / Director in the case of accounts of the institution are audited by CAG/AG. Otherwise, they need to be signed by the Finance Officer and the Chartered Account.
13. The Director of the research project will be **Dr. Alekh Kumar Sahu**, who will be responsible for its completion within **24 Months** from the date of commencement of the project, which is **15<sup>th</sup> January 2024** as intimated by the scholar.





14. In case, the Project Director does not submit the periodic / final project report as per schedule with adequate justification, the scholar may be asked to refund the entire sanction amount and also debarred from availing all future financial assistance from the ICSSR.
15. All grants from the ICSSR are subject to the general provision of GFR 2005 and in particular with reference to the provision contained in GFR 209, GFR 210, GFR 211 and GFR 212.
16. The Project Director will ensure that the expenditure incurred, to be within the approved budget and the grant-in-aid is subject to all the conditions laid down in the guidelines of the Research Projects.
17. The expenditure on this account is debatable to the **Budget Head-ICSSR (Scheme Code 0877); OH 31.09 Research Projects.**
18. All project instalments will be transferred through EAT Module of Public Financial Management System (PFMS) / RBI Account for ensuring transparency of expenditure at all levels and to ensure that there is no parking of funds with affiliating institution.
19. As per Ministry of Education, Govt. of India instructions, the amount of grant sanctioned herein is to be utilized **by the end of the project duration.** Any amount of the grant remaining unspent shall be refunded to the ICSSR immediately after the expiry of the duration of the project. If the grantee fails to utilize the grant for the purpose for which the same has been sanctioned/or fails to submit the audited statement of expenditure within the stipulated period, the grantee will be required to refund the amount of the grant with interest thereon @ 10% per annum.
20. Project staff could be engaged on a full/part-time basis during the research work and the employment duration may be decided by the Project Director. Selection of Research Staff should be done through an advertisement and a selection committee consisting of (1) Project Director; (2) One outside Expert (other than the institute where the project is located); (3) a nominee of the Vice Chancellor/Head of the Institution and (4) Head of the Department)/Dean of relevant faculty duly approved by the competent authority.
21. The consolidated monthly emoluments and the qualifications to the project staff be fixed as follows:

Sl. No.	Staff	Revised Rates	Qualifications
1	Research Associate	Rs.47,000/- p.m.	Post graduate in social science discipline (55% minimum) with NET /M.Phil. / Ph.D.
2	Research Assistant	Rs.37,000/- p.m	Ph.D./M.Phil./ Post graduate in social science discipline with minimum 55%)
3	Field Investigator	Rs.20,000/- p.m	Post Graduate in social science discipline (55% minimum)

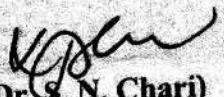
22. **For all field work related expenses** of Project Director, Co-Director and project personnel, rules pertaining to affiliating institutes shall be followed.
23. **All equipment and books** purchased out of the project fund shall be the property of the affiliating institutions. On completion of the study, the Project Director shall submit an undertaking in this



regard. The ICSSR, however, reserves the right to take charge of equipment and books, if it thinks it fit in a case.

24. **Purchase of equipment/ assets** for the research Project is permissible only if it is originally proposed and approved by the ICSSR.

Yours faithfully,

  
(Dr. S. N. Chari)

**For MEMBER-SECRETARY**

**Encl: as above.**

**Copy to:**

- ✓ 1. **Dr. Alekh Kumar Sahu,**  
Assistant Professor,  
School of Studies in Law,  
Pt. Ravishankar Shukla University,  
Great Eastern Rd, Amanaka,  
Raipur,  
Chhattisgarh-492010.
2. **Dr. Nister Kujur,**  
Professor & Head,  
School of Studies in Sociology and Social Work,  
Pt. Ravishankar Shukla University,  
Great Eastern Rd, Amanaka,  
Raipur,  
Chhattisgarh-492010.
3. **Finance Branch, ICSSR, New Delhi**
4. **Record file**

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# रविवि: प्रोफेसर्स करेंगे बस्तर की लोककला व परंपराओं पर रिसर्च

सिटी रिपोर्टर, रायपुर

पं. रविशंकर शुक्ल यूनिवर्सिटी के प्रोफेसर्स और उनकी टीम बस्तर की जनजाति और लोक परंपराओं पर रिसर्च



करेगी। रविवि को दो अलग-अलग रिसर्च के लिए 70 लाख रुपए का ग्रांट मिला है। यूनिवर्सिटी को यह फंडिंग इंडियन

काउंसिल ऑफ सोशल साइंस रिसर्च नई दिल्ली द्वारा दी गई है। टीम बस्तर की लोक परंपराओं, लोकगीतों और शिल्प कलाओं पर रिसर्च कर उसकी जानकारी संरक्षित करेगी।

साहित्य एवं भाषा अध्ययनशाला की एसोसिएट प्रोफेसर डॉ. मधुलता बारा ने बताया कि समकालीन परिप्रेक्ष्य में माडिया जनजाति की शिल्प कला और लोक परंपराओं की चुनौतियां एवं संभावनाएं पर अध्ययन किया जाएगा। इस प्रोजेक्ट से छत्तीसगढ़ के माडिया जनजाति के लोकगीत, कला-परंपरा, लोक-परंपरा एवं शिल्प-कला की जानकारी को एकत्रित कर संरक्षित किया जा सकेगा। साथ ही इससे उनके शिल्प कला, लोक भाषा, विचारों को राष्ट्रीय स्तर पर नई पहचान मिलेगी।

## शिल्पकला और शिल्पकारों पर करेंगे रिसर्च



इसी तरह दूसरा प्रोजेक्ट समाजशास्त्र विभाग की एसोसिएट प्रोफेसर डॉ. हेमलता बोरकर और इतिहास की सहायक प्राध्यापक डॉ. बन्सो नुरूटी को मिला है। इस प्रोजेक्ट के तहत बस्तर की शिल्पकला और शिल्पकारों की दशा पर काम किया जाएगा। डॉ. हेमलता ने बताया कि बस्तरिया शिल्पकला एवं शिल्पकार विलुप्त होते जा रहे हैं। इस रिसर्च प्रोजेक्ट से संरक्षण व अभिलेखन में मदद मिलेगी। इस रिसर्च के लिए भी 35 लाख रुपए का ग्रांट दिया गया है। रिसर्च वर्क दो साल में पूरा करना होगा।

उनके साथ इस प्रोजेक्ट को डॉ. पुरोहित कुमार सोरी असिस्ट करेंगे। इसे 35 लाख रुपए का अनुदान मिला है।



# शिल्पकला और लोक परंपराओं पर करेंगे शोध

पीआरएसयू के चार प्रोफेसरों को शोध करने के लिए एक करोड़ से ज्यादा का मिला ग्रांट

प्रो. रविशंकर शुक्ल विश्वविद्यालय के समाज विज्ञान एवं कला संकाय के प्रोफेसरों को आदिवासी संस्कृति, लोक परंपरा, शिल्पकला जैसे विषयों को उजागर करने के लिए केंद्र सरकार ने एक करोड़ दो लाख रुपये का ग्रांट दिया है। साहित्य एवं भाषा अध्ययनशाला की एसोसिएट प्रोफेसर डा. मधुलता बारा को भारतीय सामाजिक विज्ञान अनुसंधान परिषद शिक्षा मंत्रालय नई दिल्ली की तरफ से 35 लाख रुपये का अनुदान मिला है।

डा. मधुलता 'समकालीन परिप्रेक्ष्य में माड़िया जनजाति की शिल्पकला और लोक परंपराओं की चुनौतियां एवं संभावनाएं' विषय पर शोध करेंगी। उन्होंने बताया कि इस शोध परियोजना के माध्यम से छत्तीसगढ़ की माड़िया जनजाति से संबंधित संस्कृति, परंपराओं का विस्तार होगा। लोगों को उनकी



जीवनशैली के बारे में जानने का मौका भी मिलेगा।

जनजाति समाज की शिल्प कला, लोक भाषा और विचारों को राष्ट्रीय स्तर पर नई पहचान मिलेगी। शोध में डा. पुरोहित कुमार सोरी सहायता करेंगे।

## शिल्पकारों की बेरोजगारी, गरीबी दूर करने पर भी होगा शोध

समाजशास्त्र अध्ययनशाला की एसोसिएट प्रोफेसर डा. हेमलता बोरकर और इतिहास अध्ययनशाला की सहायक प्राध्यापक डा. बंसो नुरुटी को आइसीएसएसआर नई दिल्ली से आदिवासियों की जीवनशैली पर शोध करने लिए 35 लाख रुपये की ग्रांट मिली है। डा. हेमलता समकालीन परिदृश्य में बस्तरिया शिल्पकला एवं शिल्पकारों की दशा का ऐतिहासिक, समाजशास्त्रीय एवं नृजातीय अध्ययन पर शोध करेंगी। इस शोध को दो वर्ष में पूरा करना है। उन्होंने बताया कि बस्तरिया शिल्पकला और शिल्पकार विलुप्त होते जा रहे हैं। इस प्रोजेक्ट के माध्यम से शिल्पकला एवं शिल्पकारों की प्रवासन, बेरोजगारी, गरीबी उन्मूलन से संबंधित विषयों

पर जोर दिया जाएगा। साथ ही शिल्पकला केंद्रों की स्थापना को प्रोत्साहित भी करेंगे। वहीं प्राचीन भारतीय इतिहास अध्ययनशाला के डा. नितेश कुमार मिश्र को शैल चित्रों पर शोध करने के लिए 32 लाख रुपये का प्रोजेक्ट जिला प्रशासन रायगढ़ से मिला है। रायगढ़ जिले में पाषाणकालीन शैल चित्रों, पुरातात्विक धरोहर ज्यादा हैं। जिले के शैल कला से संबंधित सिंघनपुर, कबरा पहाड़, उषा कोठी, करमगढ़, आँगना समेत 28 स्थानों का पुरातात्विक अध्ययन और अभिलेखीकरण एवं संरक्षण का कार्य करेंगे। जानकारों का मानना है इन तीन शोध परियोजनाओं से नई नीतियां बनाने, कला, साहित्य, संस्कृति के संरक्षण में सहायता मिलेगी।

## Fwd:

4 messages

madhu bara <madhubara23@gmail.com>  
 To: madhu bara <madhubara23@gmail.com>  
 Cc: purohitsori@gmail.com

Sat, Mar 16, 2024 at 3:19 PM

----- Forwarded message -----

From: **RP Division ICSSR** <rpddivision@icssr.org>  
 Date: Fri, 15 Mar, 2024, 8.08 pm  
 Subject:  
 To: <registrarprsu@gmail.com>  
 Cc: <madhubara23@gmail.com>, <purohitsori@gmail.com>

File No.:ICSSR/RPD/RPR/2023-24/43

Date:15.03.2024

**Subject: Announcement of the selection of the Research Programme under the call for Project Proposals on "History and Sociology of Art, Craft, Culture and Folk Traditions of the Regions of India 2024**

Dear Dr. Shailendra Patel,

*"ICSSR extends warmest congratulations on successfully obtaining the award of Research programme as per the above Subject".*

With reference to your application and subsequent Interaction with Expert Committee by the Project Coordinator & Co- Project Coordinator(s), regarding the proposal for the Research programme, the final selection is made on the basis of recommendations of the Expert Committee as follows:

<b>Approved Title by the Expert Committee</b>	समकालीन परिप्रेक्ष्य में माड़िया जनजाति का शिल्पकला और लोक परंपराओं की चुनौतियाँ एवं सम्भावनाएँ (छत्तीसगढ़ के दक्षिण-पश्चिम क्षेत्र का विशेष संदर्भ)
<b>Budget Approved ₹</b>	Rs.35,00,000/- (Rupees Thirty Five Lacs Only)
<b>Name of the Institution</b>	School of Studies in Literature and Languages, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh
<b>Name of the Project Coordinator</b>	Dr. Madhulata Bara
<b>Name of the Co-Project Coordinator(s)</b>	Dr. Purohit Kumar Sori
<b>Approved Duration of the Programme (Months)</b>	24 Months
<b>First Instalment (40 % of the awarded grant)</b>	Rs.14,00,000/- (Rupees Fourteen Lacs Only)

Please note that this proposal is approved provisionally by the Competent Authority on the recommendations of the Expert Committee, and upon fulfillment of eligible criteria and other conditions, the Award Letter and Sanction Order will be issued after receipt of the below mentioned original documents:





**Science and Engineering Research Board**  
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)  
Department of Science and Technology, Government of India

A16

Science and Engineering Research Board  
3rd & 4th Floor, Block II  
Technology Bhavan, New Mehrauli Road  
New Delhi – 110016

**Dr. Nand Kumar Chakradhari**  
Physics  
Pt. Ravishankar Shukla University,  
G.E.road, Amanaka, Raipur,  
Chhatisgarh, 492010

File Number: TAR/2023/000115

Dated: 09-Jan-2024

**Subject: Project titled "Probing the Compact Stellar Objects: The X-ray Binaries"**

Dear Dr. Nand Kumar Chakradhari,

We are happy to inform you that your application cited above has been approved by the Science and Engineering Research Board for funding under **Teachers Associateship for Research Excellence (TARE)**. The following are the approved items for three years of duration.

Research Grant:- As per SERB-TARE norms

Fellowship:- As per SERB-TARE norms

Overhead Charges: As per SERB-TARE norms

1. This approval letter is valid subject to the fulfilment of all the eligibility criteria for the TARE and the submission of required documents.
2. You are requested to submit the joining report to the host institute and submit relevant documents within one month from the date of receipt of this letter. Projects require ethical / biosafety/stem cell/wildlife clearances etc. Candidates will be allowed to join the host institute only after acquiring such clearances.
3. The grant will be effective from the date of joining the host institution.

4. Follow the norms of host and parent institutions while implementing the project.  
Please visit our website [www.serbonline.in](http://www.serbonline.in) for the terms & conditions of the grant.

Kindly quote the reference number in all future correspondence. The reference no. **TAR/2023/000115** should be mentioned in all research outputs(publications/patents etc.) arising from the TARE grant.

Kindly follow the below steps only then you will be able to acknowledge the approval letter:

1. Go to [www.serbonline.in](http://www.serbonline.in) through your credentials
2. Go to Menu --> Proposal submission --> View submitted proposals

A certificate stating that any visit abroad for more than eight weeks would be undertaken after due permission from SERB may also be submitted.

Kindly upload the RTGS details of the parent as well as the host institute to facilitate the transfer of the fund(s) as per the template.

Yours sincerely,

(Dr. Shilpi Paul)

Scientist F