Institutes	IIT Kharagpur	IISc Bengaluru	IIT Kharagpur	IISc Bengaluru	IIT Hyderabad	IIT Kharagpur	IIT Delhi	IIT Guwahati	IIT Bombay	IIT Voneir	IIT Kharagpur	IIT Madras	IIT Kharagpur	IIT Kharagpur	IIT Kharagpur	IIT Kharagpur
Total fueding from 2016-17 to 2018-19 (in lakis))	195.00	338.08	184.80	399.70	99.52	302.31	1 99.54	115.97	399.00			251.20	376.80 I	400.00	I 00.99	165.36
	An Integrated Autonomous UAV and WSN-based System for Crop Water Management and Crop Condition Monitoring	Smart water solutions in agriculture: Integration of Sensors, Satellite & ICT tools	Nano-material based Humidity Sensors on CMOS Platform	Multiband infra-red detection systems with hybrid nanodevices for applications pertaining to public safety and agriculture	-	Methodology, instrumentation and technology transfer towards life estimation of structural steel components in fast breeder nuclear reactors	Validation and improving the formulation of a century-old ayurvedic medicine against hepatitis B virus	Manufacturing Solutions for the Preparation of Siddha Medicines (Traditional Medicines Originated from Tamilnadu)		Development of pressurized dual fluidized bed gasifier for high-ash Indian coal	Open Dataset Repository for aiding Heritage Preservation, Restoration and Management of Temple Architecture 387.87	Demonstration of Mode Division Multiplexed communication system with Few Mode Fibers	Development of Speech Interface for Form-filling application in Five Indian languages	Information Access from Document Images of Indian languages	Construction of new cryptographic primitives from obfuscation	Developing Advanced Parser and Search Engine for Sanskrit to deal with Poetic and unsegmented corpus
	Water Resources & River Systems	Water Resources & River Systems	Nano-Technology Hardware	Nano-Technology Hardware	Nano-Technology Hardware	Energy	Healthcare	Healthcare	Nano-Technology Hardware	Energy	Information & Communication Technology	Information & Communication Technology	Information & Communication Technology	Information & Communication Technology	Information & Communication Technology	Information & Communication Technology
	5682	6974	7729	5628	6193	5877	5425	6177	4244	7986	45/3	4578	5283	5326	2367	5382
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A Platform for Crosslingual and Multilingual Event Monitoring in Indian Languages  Embedded System Reliability Prediction Model  Processing the language of social media for post-disaster situation analysis  Electronically Tunable RF Filters  By Assistive Technologies for Motor and Cognitive Rehabilitation of Stroke Patients in India  Assistive Technologies for Motor and Cognitive Rehabilitation of Stroke Patients in India  Assistive Technologies for Motor and Cognitive Rehabilitation analysis  An Efficient Software Framework for developing Reliable Multi-fireaded Applications for Multi-Core  An Efficient Software Framework for developing Reliable Multi-fireaded Applications for Multi-Core  Analysis and archival of Carnatic Music: A computational approach  Analysis and archival of Carnatic Music: A computational approach  Telepresence Infrastructure for Cost-Effective Instructional Applications in Education  Development of Scalable Galv-based Distributed Dynamic Power Management System for IoT Applications.c:  Development of Scalable Galv-based Distributed Dynamic Power Management System for IoT Applications.c:  Development of heritage structures through networking of experts  Power Aware Compiler for Embedded Processors  Power Aware Compiler for Embedded Sociotive Teaching in Large Classrooms  Power Aware Compiler for Embedded Sociotive Metrics Tool for Critical Sociot Enternises		Communication Lechnology	y   Critical ICT Systems	340.00	
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Assistive Technologies for Motor and Cognitive Rehabilitation of Stroke Patients in India  Development of anti-spoofing measure for speech interfaces to prevent computer generated voice hacking  An Efficient Software Framework for developing Reliable Multi-threaded Applications for Multi-Core  Analysis and archival of Carnatic Music: A computational approach  Analysis and archival of Carnatic Music: A computational approach  Telepresence Infrastructure for Cost-Effective Instructional Applications in Education  Development of Scalable GaN-based Distributed Dynamic Power Management System for IoT Applications. 2  Developing an integrated digital system for condition assessment, decay identification, preservation aid and monitoring of herriage structures through networking of experts  Power Aware Compiler for Embedded Processors  Rmart Classrooms: Technology Aids for Effective Teaching in Large Classrooms  Design and Development of an Information Security Metrics Tool for Critical Sector Enterprises	5895	Information & Communication Technology		72.00	III Kharagpur
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CONTRACTOR		n Technology	Design and Development of an Information Security Metrics Tool for Critical Sector Enterprises	315.26	Jadavpur University

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Development of web enabled learning/training modules for nanomaterials, fabrication and devices  Multi-Station Multi-Axis Hybrid Layered Manufacturing System  High voltage & ESD device development & enablement for SCL 180nm CMOS Technology  Designing and fabrication of an aerodynamic lens for nanoparticles of variable size  Fabrication of polymer based materials for thermoelectric applications  Design of a Surface-Enhanced Castering and States and		Communication Technology		162.50	IIT Kanpur
Multi-Station Multi-Axis Hybrid Layered Manufacturing System High voltage & ESD device development & enablement for SCL 180nm CMOS Technology  Designing and fabrication of an aerodynamic lens for nanoparticles of variable size  S1.20  Design of a Surface-Enhanced Cartering System  329.00		Nano-Technology Hardware	Development of web enabled learning/training modules for nanomotonial, 6.1		
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Fabrication of polymer based materials for thermoelectric applications  Design of a Surface-Enhanced Career and Su				05.5%	IISc Bengalu
Design of a Surface Enhanced Control Hermoelectric applications			variable size	51.20	IIT Hyderaha
		Nano-Technology Hardware			ALL AL DURAGE

Manufacturing   Periodic from meteriols	6349	6349 Nano-Technology Hardware	Design and Development of Dy		
Advanced Materials   Periodic processor   Periodic processor processor   Periodic processor	110		Telu-Deployable	360.19	NIT Rourkela
Previoumental Science & Previous states for 10 technology and Atherined Squares to Manufacturing of Multi-scale Francial States & Development of a staurchione camera-based sensor for detection and remediation of chromium pollution in 1985.39   Previoumental Science & Development of staurchione camera-based sensor for detection and remediation of chromium pollution in 1995.39   Previoumental Science & Development of staurchione camera-based sensor for detection and remediation of chromium pollution in 1995.39   Previoumental Science & Development of Staurchione for State refisioners of the State of Development of Staurchioners of State of Sta	6722		Periodic foam materials for noise-reducing heat sinks	56.40	IIT Gandhinagar
Havy former Science & Project present of a straight of straight of the Application of chronism pollution in Straight Change University of Straight Change (Change Change Change) and the Straight Change (Change Change Change) and the Straight Change (Change Change Change) and the Change Change Change (Change Change) and the Change Change Change (Change Change) and Change (Change Change Change Change Change (Change Change Change Change Change (Change Change Change Change Change Change Change Change (Change Change Change Change Change Change Change (Change Change Change Change Change Change Change Change Change (Change Change Change Change Change Change Change Change (Change Change (Change Change (Change Change Change Change Change Change Change Change Change	10		Structures using Fluid Instabilities of Multi-seals Executed	144.08	IIT Bombay
Mano-Technology Hardware   Development of Gallium-nitride HEMT Based Power Electronic Interfaces Fnabled by Devision. 399,00   Electronic Characterization of Confirmation of Modelling (Confirmation of Modelling)   Confirmation of Modelling (Confirmation of Modelling)   Confirmation of Modelling (Confirmation of Modelling)   Confirmation of Confirmation of Paper (Confirmation of Modelling)   Confirmation of Co	~		Development of a smartphone camera-based sensor for defection and sensor is a smartphone camera-based sensor is a smartphone camera	395.39	IIT Bombay
Energy	h .			88.40	IIT Kanpur
Manufacturing Advanced Materials	7127		Characterization and Modeling	390.00	IIT Bombay
Mutro-Technology Hardware   Fubrication of Optical Man Martial for coloning in Section 1985			Fabrication and and another frost free refrigerator		
Nano-Technology Hardware   A Novel in Situ Mechanisal-ITIN For Combined Optical Imaging and IR Vitrational Spectroscopy   34.36     Advanced Materials   Development of an Open Source Solidification/Medical Enforcements   258.00     Advanced Materials   Development of an Open Source Solidification/Medical Enforcements   258.00     Advanced Materials   Development of an Open Source Solidification/Medical Enforcements   145.38     However, Additive Materials   Development of the Computer of		Advanced Materials		76.32	NIT Warangal
Advanced Materials   Development of an Open Source Solidification/Meling Platform 8e* OpenSource Solidification/Meling Platform 8e* OpenSource Solidification/Meling Platform 8e* OpenSource Solidification/Meling Platform 8e* OpenSource Solidification National Platform 9e* OpenSource OpenSourc	~	Nano-Technology Hardware		36.15	IISc Bengaluru
Manufacturing  Manufa	7464	Advanced Materials	P	94.36	IIT Bombay
Nano-Technology Hardware   micro-structures used in MEMS Äpplications of the Continuous discharge reseaurement in small open channels by using ultrasonic tomography   115.70	7510	Manufacturing	Development of an Open Source Solidification/Melting Platform ae OpenSol Low-cost Additive Manufacturing Technique for Februaries Transfer		TIT V A
Water Resources & River Continuous discharge measurement in small open channels by using ultrasonic tomography Advanced Materials Advanced Materials Indigenous discharge measurement in small open channels by using ultrasonic tomography Advanced Materials Indigenous bow-cost compact optical non-contact device for in situ characterization of soft-matter.  Manufacturing Development of an innovative process to fabricate ultra-fine grained bimeallic thin sheets for microforming 166.92 Climate Change Information & SmartWeather Location based Deep weather event prediction using spatial big data computing Climate Change Environmental Science & Risk ASSESMENT OF MORAINE DAMMED GLACIER LAKES DUE TO CLIMATE CHANGE Communication Technology Environmental Science & Communication and adaption strategies from the gene to the coopystem 4400.00 Environmental Science & Indigenous sensor rechnologies to monitor animal responses to climate change and marriage that through pollination security: pollination volatiles, pollution & climate change Nano-Technology Hardware Marine Animal-inspired Smart Biodegradable Nanocomposites for Air-fight, Cold-Chain Free, Food Packaging 96.08 Environmental Science & Indigenous sensor rechnologies to monitor animal responses to climate change Nano-Technology Hardware Climate Change Nano-Technology Hardware Development of Indian Summer Monsoon Rainfall through Evolution of Global Sea Surface Temperature Technology Hardware Design and Development of Bioresorbable Drug Eluting Coronary Stenis	1	Nano-Technology Hardware			IIT Bombay
Water Resources & River         Continuous dischage measurement in small open channels by using ultrasonic tomography         115.70           Advanced Materials         Melamaterial Enhanced Wireless Power Transmission System         64.44           Advanced Materials         Indigenous low-cost compact optical non-contact device for in situ characterization of soft-matter.         118.44           Manufacturing         Development of an innovative process to fabricate ultra-fine grained binetallic thin sheets for microforming applications.         16.52           Climate Change         RISK ASSESSMENT OF MORAINE DAMMED GLACIER LAKES DUE TO CLIMATE CHANGE         341.40           Climate Change         Risk ASSESSMENT OF MORAINE DAMMED GLACIER LAKES DUE TO CLIMATE CHANGE         246.41           Environmental Science & Climate Change         Ensuring food security in a changing climate: Mitigation and adaption strategies from the gene to the coosystem         246.41           Environmental Science & Ensuring food security through pollination security: pollination volatiles, pollution & climate change         Minitional security through pollination security: pollination volatiles, pollution & climate change         399.00         1           Environmental Science & Indigenous sensor technologies to monitor animal responses to climate change         Indigenous sensor technologies to monitor animal responses to climate change         399.00         1           Emvironmental Science & Indigenous sensor technologies to monitor animal responses to climate change         Predicti	- 11		Magnetic Nanostructures	400.00	IIT Delhi
Advanced Materials   Metamaterial Enhanced Wireless Power Transmission System   Advanced Materials   Indigenous low-cost compact optical non-contact device for in situ characterization of soft-matter.   118.44     Manufacturing   Development of an innovative process to fishticate ultra-fine grained binetallic thin sheets for microforming   166.92     Environmental Science & RISK ASSESSMENT OF MORANE DAMMED GLACIER LAKES DUE TO CLIMATE CHANGE   341.40     Communication & SmartWeather: Location based Deep weather event prediction using spatial big data computing   246.41     Environmental Science & Ensuring food security in a changing climate: Mitigation and adaption strategies from the gene to the ecosystem   400.00     Environmental Science & Indigenous security through pollination security: pollination volatiles, pollution & climate change   Indigenous sensor technologies to monitor animal responses to climate change   Indigenous sensor technologies to monitor animal responses to climate change   Indigenous sensor technologies to monitor animal responses to climate change   Indigenous sensor technologies to monitor animal responses to climate change   Indigenous sensor technologies to monitor animal responses to climate change   Indigenous sensor technologies to monitor animal responses to climate change   Indigenous sensor technologies to monitor animal responses to climate change   Indigenous sensor technologies to monitor animal responses to climate change   Indigenous sensor technologies to monitor animal responses to climate change   Indigenous Relation of Indian Summer Monsoon Rainfall through Evolution of Global Sea Surface Temperature   Indian Burdware   Indian Bur	7535	Water Resources & River Systems	Continuous discharge measurement in small open channels by using a literation of		
Advanced Materials   Indigenous Development of Mireless Power Transmission System   Advanced Materials   Indigenous Indigenous Development of Manufacturing   Indigenous Development of an innovative process to fabricate ultra-fine grained bimetallic thin sheets for microforming   166.92	7802	Advanced Materials	A wang undasonic tomography	115.70	IIT Kanour
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Science & RISK ASSESSMENT OF MORAINE DAMMED GLACIER LAKES DUE TO CLIMATE CHANGE  a Technology  Technology  Ensuring food security in a changing climate: Mitigation and adaption strategies from the gene to the ecosystem 400.00  Science & Insuring food security through pollination security: pollination volatiles, pollution & climate change  Science & Nutritional security through pollination security: pollination volatiles, pollution & climate change  Science & Nutritional security through pollination security: pollination volatiles, pollution & climate change  Science & Nutritional security through pollination security: pollination volatiles, pollution & climate change  Science & Nutritional security through pollination security: pollination volatiles, pollution & climate change  Science & Nutritional security through Biodegradable Nanocomposites for Air-tight, Cold-Chain Free, Food Packaging  Science & Indigenous sensor technologies to monitor animal responses to climate change  Science & Prediction of Indian Summer Monsoon Rainfall through Evolution of Global Sea Surface Temperature  Taken	- 1	Sim magning.	Development of an innovative process to fabricate ultra-fine grained bimetallic thin shorts for minion		AT IMAGINAS
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gy Hardware Marine Animal-inspired Smart Biodegradable Nanocomposites for Air-tight, Cold-Chain Free, Food Packaging 96.08  Science & Indigenous sensor technologies to monitor animal responses to climate change  By Hardware Low-cost Handheld Systems for Soil Monitoring and Water Conservation in Indian Agriculture  Systems for Soil Monitoring and Water Conservation in Indian Agriculture  Prediction of Indian Summer Monsoon Rainfall through Evolution of Global Sea Surface Temperature  Design and Development of Bioresorbable Drug Eluting Coronary Stents  199.90	1	Environmental Science & Climate Change	Nutritional security through pollination security: pollination volatiles, pollution & climate chanse		
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Hardware Low-cost Handheld Systems for Soil Monitoring and Water Conservation in Indian Agriculture  Systems for Soil Monitoring and Water Conservation in Indian Agriculture  String Prediction of Indian Summer Monsoon Rainfall through Evolution of Global Sea Surface Temperature  Design and Development of Bioresorbable Drug Eluting Coronary Stents			metrical Striat Blodegradable Nanocomposites for Air-tight, Cold-Chain Free, Food Packaging	80.98	IIT Bombay
Sy Hardware Low-cost Handheld Systems for Soil Monitoring and Water Conservation in Indian Agriculture  347.00  Sicience & Prediction of Indian Summer Monsoon Rainfall through Evolution of Global Sea Surface Temperature  Design and Development of Bioresorbable Drug Eluting Coronary Stents	- 1		Indigenous sensor technologies to monitor animal responses to climate change	392.00	III Rencolver
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Design and Development of Bioresorbable Drug Eluting Coronary Stents 399,90	1 8	cience &	rediction of Indian Summer Monsoon Rainfall through Evolution of Global Sea Surface Termonton	347.00	IIT Bombay
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4204	4 Healthcare	ARTICIU ATTENTA ATTENT	09.66	IIT Delh:
1001		disorders		THE PORT
4257		Affordable and oost afford:	137.46	IIT Guwahati
5	Healthcare	Aberrant circulating epigenomic signatures. Doct.	300.00	
4404		generational monitoring of air nollution accounts. Development and validation of non-invasive biomarkers for trans-	1	IIT Hyderabad
4429		Development, Evaluation & Scale In of a sociated cancers	133.09	IIT Kharagpur
	ricalincare	Development of Smartphone Integrated Generic Microfluid. B. C. 18 diagnostics.	230 40	
4511	Healthcare	of-Care Diagnostics of Affordable Point-316,74	ut-316.74	III Bombay
		Development of human embryo viability biomarker diagnostics for elective embryo		Ind&parkt
4550	Healthcare	Efficient Glycemic Control for the Management of Dist.	190.89	IISc Bengaluru
4560		Care Device for Community Healthcare Sodium Determine The Sodium Development of Sodium D	326.40	IISc Bengaluru
5163	Healthcare	I vivo established Becton: Electro Finder	17	
5300		Development of new generation A ceral-ular Codicar is	172.00	IIT Bombay
5224		microstructures and better force.	300.00	III Kanpur
2334	Healthcare	Development of Artificial Pancreas for Closed Loop Blood Glinose Containing	395.00	IISc Bengaluru
5344	Healthcare	Designer food formulation with resistant to the control of type-1 Diabetic Patients in	396.00	IISc Bengaluru
5350	Hanthan	towards commercialization with resistant starch and protein for diabetic/nephro-diabetic patients: An approach	88.80	124 451
	Teathrare	Multilayered Skin Equivalent Model using Biopolymers for Burn Wound Management	)	III Kharagpur
5363	Advanced Materials	Multifunctional GO-Au PLGA as nanocomposite filler, contrast agent and for about	164.10	IIT Kharagpur
5400	Healthcare	oyable, point of care and contained.	313.44	IIT Bombay
5442	Manufacturing	system for rapid	230.40	IIT Delhi
5450	Advanced Materials			
9/,55	Advanced Materials	nent	127.01	IIT Kharagpur
5653	Healthcare	of blood analytes using integrated biosensors for industrial healthcare applications	198.80	NIT Arunachal Pradesh
2099	Nano-Technology Hardware	nd trauma care	270 06	
5701	Nano-Technology Hardware		97.80	IIT Hyderabad
5808	Advanced Materials	sensors and instrumentation for bio-sensing	105.00	IIT Madras
9985		Microfluidic based rapid point-of-care lab-on-chin diamostic aloce.	90.00	IIT Delh;
5876	Advanced Materials	riodonial Renair in Director 11.	199.91	IIT Bombay
5881	Materials	ical Trial for Periodontal	197.16	IIT Bombay
2917	Healthcare	high quality, durable, affordable dental crowns	203.00	IIT Rombour
2968	Healthcare		246.60	IIT Bombay
0009	Healthcare	high risk antenatal cases at household level by	103.90	IIT Kharaoniir
146 6013				n Aorania -
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Healthcare   High care-light weight-increases where the measuring arms already as a construction of the	0	Healthcare Healthcare	A microfluidic based point of care tecting doning 6.	20	
Information & Communication Technology   Advanced to a Suite of Indigenous Assistive Systems and Tools for the Disabled Communicy in India   398.00		6072 Healthcare	High end-light mainte:	73.20	IIT Mandi
Healthcare   Microhidic platform for continuous monitoring of genomenatives for early level management of Systemic   400,000		6087 Information &		197.49	IIT Guwahati
Healthcare   Information & System   Development of Microseolde Archaeoles Syndrone (SIRS) in Traum solicities   Production   Producti				398.00	IIT Kharagpur
Information & Speech Based Patient Assistance System in the Control of Communication Technology Hardware Advanced natortacers for product life cycle assessment and product monincing   Nano-Technology Hardware Advanced natortacers for product life cycle assessment and product monincing   Healthcare   Development of State			Inflammatory Response Syndrome (SIRS) in Trauma patients  Development of M.:	400.00	IIT Madras
Mano-Technology Hardware Advanced nanotraces for product life cycle assessment and product monitoring   157.42				399.94	IISc Bengaluru
Healthcare   On the role of ultrasound contrast agents in detecting early stages of atheroselerosis   170,400			Advanced nanotracers for produ		III Bombay
Healthcare   Development of a tennor beathcare delivery system: Barly diagnosis, therapy, follow-up and preventive care   247,86			On the role of ultrasound contests	157.42	IIT Gandhinagar
Healthcare   Intron-communication for SERS based ultra-sensitive, rapid, portable and field deployable platform for detection of facultacian to Development of SERS based ultra-sensitive, rapid, portable and field deployable platform for detection of famoustatic bandages for trauma care   Healthcare   Development communication of Manages for trauma care   Development communication of Manages for trauma care   Development of Advanced Holer Monitor with extended recoding and episode detection   12.66   185.74   19.66   19			Development of a remote healthcare delivery system: Farly diamosis thereone 2.11	170.00	IIT Madras
Healthcare Development, commercialization and deployment of complete mobility solution (indoor & outdoor) for people 185.74   Healthcare Development, commercialization and deployment of complete mobility solution (indoor & outdoor) for people 185.74   Healthcare Development of couranced Healthcare Healthc			for non-communicable diseases (cardio-pulmonary)  Development of SERS based ultra-sensitive, rapid, portable and field deployable nlatform for detaction.	247.86	IIT Kharagpur
Healthcare   Development, commercialization and deployment of complete mobility solution (indoor & outdoor) for people   185.74			Haemostatic bandages for trauma care	91.771	IIT Delhi
Healthcare Development of Advanced Holter Monitor with extended recording and episode detection S5.60  Halthcare Nano-Technology Hardwae (Wearable drug delivery device based on micronecedes for efficient management of Chemotherapy Induced 385.20  Healthcare Development of accurate and field accessible methods of molecular diagnosis for detection of Infectious 382.80  Information & Aweb and mobile phone based service for health administrators, medical officers and health workers to diseases in livestock population.  A Mobile-based Virtual Reality Platform for Training and Educating Communication Technology  Healthcare As Smartphone-Based Dark-Field Microscope for Point of Care (POC) Diagnosis of Blood-Cell Disorders in 121.06  Healthcare Development of an inexpensive obstructive sleep apnea (OSA) detection and analysis system useful for home 68.40  Healthcare Development of an inexpensive obstructive sleep apnea (OSA) detection and analysis system useful for home 68.40  Healthcare Development of an inexpensive obstructive sleep apnea (OSA) detection and analysis system useful for home 68.40  Healthcare Development of an inexpensive obstructive sleep apnea (OSA) detection and analysis system useful for home 68.40  Healthcare Development of clinical grade tissue grafts for the treatment of bone and cartilage tissue defects and diseases 196.72  Healthcare Development of allow-cost on-chip PCR (polymense chain reaction) platform for rapid nucleic acid based 198.99  Healthcare Development of a low-cost on-chip PCR (polymense chain reaction) platform for rapid nucleic acid based 198.99			lization	112.61	IIT Kanpur
Nano-Technology Hardware   Wearable drug delivery device based on microneedles for efficient management of Chemotherapy Induced   385.20			Development of Advanced Holter	185./4	IIT Madras
Healthcare Development of accurate and field accessible methods of molecular diagnosis for detection of Infectious 382.80  Information & A web and mobile phone based service for health administrators, medical officers and health workers to track/monitor progress of Tuberculosis (TB) patients in real-time  Communication Technology track/monitor progress of Tuberculosis (TB) patients in real-time  A Mobile-based Virtual Reality Platform for Training and Educating Community Health Workers (CHWs) 44.96  Healthcare Abstraction Technology and in inexpensive obstructive sleep apnea (OSA) detection and analysis system useful for home 68.40  Healthcare Advanced Materials Light based ultrasound array detector development for diagnosing RBC under various disease model in infant 143.00  Healthcare Design and Fabrication of Composite Scaffolds for Skeletal Injuries from Biological Waste Materials 164.10  Healthcare Development of allow-cost on-chip PCR (polymenase chain reaction) platforms for rapid nucleic acid based diseases diagnosis				95.60	IIT Kharagpur
Information & diseases in livestock population.  Communication Technology Track/monitor progress of Tuberculosis (TB) patients in real-time  Information & A web and molible phone based service for health administrators, medical officers and health workers to 40.87  Information & A Mobile-based Virtual Reality Platform for Training and Educating Community Health Workers (CHWs) 44.96  Information & A Smartphone-Based Dark-Field Microscope for Point of Care (POC) Diagnosis of Blood-Cell Disorders in 121.06  Healthcare			Development of accurate and field accessible methods of molecular diagnosis for datastics.	023:20	IIT Bombay
Information & A Mobile-based Virtual Reality Platform for Training and Educating Community Health Workers (CHWs)   44.96			A web and mobile phone based service for health administrators, medical officers and health workers to	382.80	IISc Bengaluru
Healthcare A Smartphone-Based Dark-Field Microscope for Point of Care (POC) Diagnosis of Blood-Cell Disorders in Lethal Diseases  Healthcare Development of an inexpensive obstructive sleep apnea (OSA) detection and analysis system useful for home (8.40 care Instrument-free Point-of-care Device for Detection of Pathogens and Antimicrobial resistance Instrument-free Point-of-care Device for Detection of Pathogens and Antimicrobial resistance  Advanced Materials Light based ultrasound array detector development for diagnosing RBC under various disease model in infant 143.00  Healthcare Design and Fabrication of Composite Scaffolds for Skeletal Injuries from Biological Waste Materials 164.10  Development of clinical grade tissue grafts for the treatment of bone and cartilage tissue defects and diseases 396.72  Healthcare Development of a low-cost on-chip PCR (polymerase chain reaction) platform for rapid nucleic acid based 198.99			A Mobile-based Virtual Reality Platform for Training and Educating Community Health Workers (CHWs)	14.00	
Healthcare Development of an inexpensive obstructive sleep apnea (OSA) detection and analysis system useful for home care  Healthcare Materials Light based ultrasound array detector development for diagnosing RBC under various disease model in infant 143.00  Healthcare Design and Fabrication of Composite Scaffolds for Skeletal Injuries from Biological Waste Materials 143.00  Healthcare Development of clinical grade tissue grafts for the treatment of bone and cartilage tissue defects and diseases 396.72  Healthcare Development of a low-cost on-chip PCR (polymerase chain reaction) platform for rapid nucleic acid based 198.99				000	III Guwahati
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Advanced Materials Light based ultrasound array detector development for diagnosing RBC under various disease model in infant 143.00  Healthcare Design and Fabrication of Composite Scaffolds for Skeletal Injuries from Biological Waste Materials 164.10  Healthcare Development of clinical grade tissue grafts for the treatment of bone and cartilage tissue defects and diseases 396.72  Healthcare Development of a low-cost on-chip PCR (polymerase chain reaction) platform for rapid nucleic acid based 198.99			care	68.40	IIT Kharagpur
Healthcare Nanotechnology Hardware Nanotechnology-enabled non-invasive health monitoring platforms suitable for widescale deployment  Healthcare Development of clinical grade tissue grafts for the treatment of bone and cartilage tissue defects and diseases  Bevelopment of a low-cost on-chip PCR (polymerase chain reaction) platform for rapid nucleic acid based  143.00  143.00  164.10  200.40  Healthcare Development of a low-cost on-chip PCR (polymerase chain reaction) platform for rapid nucleic acid based  198.99			Light based ultrasound array detector development 6.2 disconsistence	149.97	IIT Bombav
Nano-Technology Hardware Nanotechnology-enabled non-invasive health monitoring platforms suitable for widescale deployment  Healthcare Development of clinical grade tissue grafts for the treatment of bone and cartilage tissue defects and diseases 396.72  Healthcare Development of a low-cost on-chip PCR (polymerase chain reaction) platform for rapid nucleic acid based 198.99			Desired to the control of the contro	143.00	IIT Hyderabad
Healthcare Development of clinical grade tissue grafts for the treatment of bone and cartilage tissue defects and diseases 396.72  Healthcare Development of a low-cost on-chip PCR (polymerase chain reaction) platform for rapid nucleic acid based 198.99				164.10	IIT Kharagpur
Healthcare Development of a low-cost on-chip PCR (polymerase chain reaction) platform for rapid nucleic acid based 198.99				200.40	IIT Bombay
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Healthcare Excellented Tries System and Accounted the Chamical Mechanical Byton Chamber Information & Communication Technology International Communication International Communication Technology International Communication Technology International Communication International Communication Technology International Communication International Conference of Advanced Materials International Conference International Conf			Circulation of a Cost Effective Left Ventricular Assist Davids of the		
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Healthcare    Development of probincials/probincie based naturestical/fortified food product for enhancing batth and S98.32   Communication Technology   Development of a system for posts sense rehabilisation of hand functions using a low cost robotic ecoskoleton 345.58   Manufacturing   Automated Fiber Phecement for posts sense rehabilisation of hand functions using a low cost robotic ecoskoleton 345.58   Manufacturing   Automated Fiber Phecement for posts sense rehabilisation of fiber reinforced composite products   388.74   Manufacturing   Automated Fiber Phecement of Adaptive Double Sided Increments Forming Process for Dieless Manufacturing   247.72   Manufacturing   Development of Adaptive Double Sided Increments Forming Process for Dieless Manufacturing   Automated Fiber Phecement of Adaptive Double Sided Increments Forming Process for Dieless Manufacturing   247.72   Manufacturing   Automated Fiber Phecement Forming Fiber Side Manufacturing   Adaptive Double Side Increments Forming Process for Dieless Manufacturing   Adaptive Double Side Increments Forming Process for Dieless Manufacturing   Advanced Materials   Advanced Materials   Evolution Conniction and Lie Profession Conniction of Corniction and actual confine process proteining of lases surface hardwring and Shape Optimization   30.00   10   10   10   10   10   10   10	Communic	cation Technology	Large scale public health monitoring using noise, e	243.60	IIT Kharaor
Healthcare Information & Development of probioticide/Problemic broad numbersoing chemotherapy Communication Technology Werdepment of a system for post stroke rehabilitation of hand functions using a low cost robotic evoskelerm 304.58  Antonnated Riber Placement (AFP) Machines for automated fibritation of liber reinforced composite products 98.40  Antonnated Materials Manufacturing Manufactur		Technology	e come devices for urinalysis	378.81	IIT Kharaen
Information & Development of a System for post stock rehabilitation of hand functions using a low cost robotic exceledation 308.58  Advanced Materials Advanced Materials Development of a System for post stock rehabilitation of thand functions using a low cost robotic exceledation 308.58  Advanced Materials Development of Adaptive Double Sided Incornents for Automobile Powertrains 389.74  Manufacturing Development of Adaptive Double Sided Incornents for Automobile Powertrains 389.74  Manufacturing Structure integrated structure information to monitor and renew machine tool performance 202.39  Advanced Materials Structure integrated of System of System of Control of System of Sys			Development of probioticae prebiotic based nutracentical/fortifical contracentical/fortifical contracentical fortifical contracentical cont	225.60	IISc Bengaluru
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Advanced Materials   Developing Indigenous Lightweight Components for Automobile Powertrains   389.74	4354 Manufactur	ring		305.58	IIT Kharagpur
Manuflacturing         Development of Adaptive Double Sided Incremental Forming Process for Dieless Manufacturing         389.74           Manuflacturing         Structure integrated sensors and actuators to monitor and tenew machine tool performance         247.72           Manuflacturing         LAND BASED TURBINE COMPONENTS WITH ADDITIVE MANUFACTURING IN A CONSORTIUM 397.50         1           Reneigy         Next Generation Heat Excitangers Design Using Additive Manufacturing and Shape Optimization         342.00         1           Advanced Materials         Erossion, Corresion and Deposition Resistant Cotaings for Co.al-Fired Bollers         36.00         1           Advanced Materials         Indigenous development of online process monitoring of Isser surface hardening, cladding and additive Manufacturing and Shape Optimization on manufacturing and studies on dynamic and shape of Isser surface hardening, cladding and additive Manufacturing and studies on dynamic and shape of Isser surface hardening, cladding and additive Materials         396.00         1           Advanced Materials         Development of a thermodynamic database for titanium alloys sassisted by experiments and abitive performance electrodises on administration of a termodynamic database for titanium alloys assisted by experiments and abitive database for titanium alloys assisted by experiments and abitive database for titanium and administration of the process of the	5298 Advanced N	Materials	r reinforced composite products	98.40	IIT Madras
Manufacturing         Structure integrated sensors and actuators to monitor and tense machine tool performance         247,72           Manufacturing         LAND BASED TURBING COMPONENTS WITH ADDITIVE MANUFACTURING IN A CONSORTUM 397,50         1           Energy         Advanced Materials         Erosion, Corrosion and Deposition Resistant Conduity of Laser surface hardening, cladding and additive manufacturing and studies of draminic mechanic behavior of familiar behavior of familiar behavior of familiar and studies of dynamic mechanic behavior of familiar sord additive manufacturing and studies of dynamic mechanic behavior of familiar sord and additive manufacturing and studies of dynamic mechanic behavior of familiar sord and additive manufacturing and studies of dynamic mechanic behavior of familiar sord and additive manufacturing and studies of dynamic mechanic behavior of familiar sord in the modynamic darbase for trianium alloys assisted by experiments and shipt and behavior of ceramic foam based high temperature insulation for laboratory and industrial kins         395,00         III           Advanced Materials         Scaled up fish/cation of ceramic foam based high temperature insulation for laboratory and industrial kins         375,60         III           Advanced Materials         Development of Life Prediction methodologies for DS Nickel based superalion grow wheelers and Four Wheelers and robust non-contact method for rapid structural health monitoring of critical infrastructure using 38.50         111,00         IIII           Advanced Materials         Advanced Materials         An unitic scale framework for designing green tyres         120,213         IIII				389.74	IIT Kanpur
IANID BASED TURBINE COMPONENTS WITH ADDITIVE MANUFACTURING IN A CONSORTIUM 397.50   Interaction Heat Exchangers Design Using Additive Manufacturing and Shape Optimization   342.00   Interaction Heat Exchangers Design Using Additive Manufacturing and Shape Optimization   342.00   Interaction Corrosion and Deposition Resistant Coalings for Coal-Fired Boilers   96.00   Interaction Heat Studies on dynamic mechanical behavior of manufactured parts   96.00   Interactical nanostructured carbon materials derived from candle soot and graphene for high rate and high   260.68   Interactical nanostructured carbon materials derived from candle soot and graphene for high rate and high   260.68   Interactical nanostructured carbon materials derived from candle soot and graphene for high rate and high   260.68   Interactical nanostructured carbon materials derived from candle soot and graphene for high rate and high   260.68   Interactical nanostructured carbon materials derived from candle soot and graphene for high rate and high   260.68   Interactical nanostructured carbon materials from Society   260.68   Interactical nanostructured carbon materials derived from candle soot and graphene for high rate and high candre have been proported from the properties of a structural health monitoring for laboratory and industrial kilns   260.68   Interaction of the Industrial kilns   260.68   Interaction of Like Prediction methodologies for DS Nickel based superalloys for gas-turbine application   260.68   Interactional carbon of the Indian Post Tensioned (Propercapacitor packs for Light Electric Vehicles   260.68   Interactional carbon of the Indian Post Tensioned (Propercapacitor packs for Light Electric Vehicles   260.69	5509 Manufacturi		cturing	247.72	IIITDM Jabalı
APPROACH	5868 Manufacturi		7.4	202.80	IIT Kanpur
Erosion, Corrosion and Deposition Resistant Coatings for Coal-Fired Boilers  Indigenous development of online process monitoring of laser surface hardening, cladding and additive  Indigenous development of online process monitoring of laser surface hardening, cladding and additive  Bis Herarchical nanostructured carbon materials derived from candle soot and graphene for high rate and high  Elerarchical nanostructured carbon materials derived from candle soot and graphene for high rate and high  Development of a thermodynamic database for titanium alloys assisted by experiments and ab initio calculations  Scaled up fabrication of ceramic foam based high temperature insulation for laboratory and industrial kilns  Development of Life Prediction methodologies for DS Nickel based superalloys for gas-turbine application  Bevelopment of Cost Effective Magneto-Rheological (MR) Fluid Damper in Two wheelers and Four Wheelers 355.00  Automobile to Improve Ride Comfort and Stability  A simple and robust non-contact method for rapid structural health monitoring of critical infrastructure using 38.50  A multi-scale framework for designing green tyres  Development of Pre-packaged, High Performance Grout (HPG) using Locally Available Cementitious Materials 36.36  Development of Stabe-Sic Based Materials for rose-Cone Leading Edge in Re-entry Space Vehicles  Development of high strength ceramic magnet for rotating magnet for rotating magnetions  Bevelopment of high strength ceramic magnet for rotating magnetions  Bevelopment of high strength ceramic magnet for rotating magnetions  Bevelopment of high strength ceramic magnet for rotating magnetions	Energy		Design I Ising A JEE.	97.50	IISc Bengaluru
Indigenous development of online process monitoring of laser surface hardening, cladding and additive  Inaulacturing and studies on dynamic mechanical behavior of manufactured parts  Herarchical nanostructured carbon materials derived from candle soot and graphene for high rate and high  Development of a thermodynamic database for titanium alloys assisted by experiments and ab initio calculations 283,20  Scaled up fabrication of ceramic foam based high temperature insulation for laboratory and industrial kilns  Development of Life Prediction methodologies for DS Nickel based superalloys for gas-turbine application  Development of Life Prediction methodologies for DS Nickel based superalloys for gas-turbine application  S Development of Cost Effective Magneto-Rheological (MR) Fluid Damper in Two wheelers and Four Wheelers 355,00  Automobile to Improve Ride Comfort and Stability  chnology Digital Image Correlation.  A multi-scale framework for designing green tyres  Hybrid Sodium-ion cell Super-cenacitor packs for Light Electric Vehicles  To bevelopment of Pre-packaged, High Performance Grout (HPG) using Locally Available Cementitious Materials 36,36  Development of ZHB2-SiC Based Materials for Nose-Cone Leading Edge in Re-entry Space Vehicles  Development of high strength ceramic magnet for rotating machine applications  Development of high strength ceramic magnet for with each each with each each with each each with each e	Advanced M	erials	Shape Optimization	42.00	IIT Madras
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Scaled up fabrication of ceramic foam based high temperature insulation for laboratory and industrial kilns  Development of Life Prediction methodologies for DS Nickel based superalloys for gas-turbine application  Bovelopment of Cost Effective Magneto-Rheological (MR) Fluid Damper in Two wheelers and Four Wheelers  Automobile to Improve Ride Comfort and Stability  A simple and robust non-contact method for rapid structural health monitoring of critical infrastructure using  Bovelopment of Pre-packaged, High Performance Grout (HPG) using Locally Available Cementitious Materials 36.36  Development of ZrB2-SiC Based Materials for Nose-Cone Leading Edge in Re-entry Space Vehicles  Indegeneous development of a ultra high strength stren	Advanced Ma		velopment of a thermodynamic database for titanium alloys assisted by the same for high rate and high a	89.68	IIT Hyderabad
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for the Indian Post-Tensioned (PT) Concrete Industry  Development of ZrB2-SiC Based Materials for Nose-Cone Leading Edge in Re-entry Space Vehicles  Indegeneous development of a ultra high strength str	Sustainable Hal		orid Sodium-ion cell /super-capacitor packs for Light Electric Vehicles		IT Madras
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199	7248	Information & Communication Technology	A novel radio telescope using ultra-low-noise receiver arrays	324.96	IISc Bengaluru
200	7352	Information & Communication Technology	Asynchronous Optical Scanning based THz time-domain spectroscopy for delamination study of space shuttle materials	226.25	RRI IIT Whomeserie
201	6962	Advanced Materials			mdge max va
202	5288	Manufacturing	Isma transferred are assisted corner domestic.	34.58	IISc Bengaluru
		Energy		304.25	IIT Kharagpur
	4337	Energy	A Cost-effective Low-loss Converter Topology for Solar nower Internation and description of the Cost-effective Low-loss Converter Topology for Solar nower Internation and description of the Cost-effective Low-loss Converter Topology for Solar nower Internation and description of the Cost-effective Low-loss Converter Topology for Solar nower Internation and description of the Cost-effective Low-loss Converter Topology for Solar nower Internation and description of the Cost-effective Low-loss Converter Topology for Solar nower Internation and description of the Cost-effective Low-loss Converter Topology for Solar nower Internation and description of the Cost-effective Low-loss Converter Topology for Solar nower Internation and description of the Cost-effective Low-loss Converter Topology for Solar nower Internation and description of the Cost-effective Converter Topology for Solar nower Internation and description of the Cost-effective Converter Topology for Solar nower Internation and description of the Cost-effective Converter Topology for Solar nower Internation and description of the Cost-effective Converter Topology for Solar nower Internation and description of the Cost-effective Converter Topology for Solar nower Internation and description and descript	96.96	IIT Guwahati
		Energy		147.00	IIT Kharagpur
		Energy	0-Thermal Coating of Mon. 1.6	399.28	IISc Bengaluru
207 5	5296 5441	Energy Advanced Materials		334.00	IISER Pune
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			of indigenous hydrogen storage and first con	65.05	NIT Arunachal Pradesh
210 5	5931 II			399.99	IIT Bombay
-		Euclgy	,	397.80	IIT Bombay
Õ				386.09	IIT Bombay
<b>S</b>			ion of Microalgae for the Production of High Value Bio-Fuel Fractions than 1 11	152.50	IIT Bombav
5	5294 E		dia through a second anong in year.	237.00	IIT Guwahati
			proach	192.00	IIT Bombay
515	5993 N 4035 A	Manufacturing I		159.79	IIT Guwahati
			assessment of high temperature	132.38	IIT Hyderabad
5				76.17	IISc Bengaluru
5		Energy D	Design and Development of High Efficient Switched Reluctance Motor based Solvents.	5.00	IISc Bengaluru
45(	4569 Er	Energy D	tor based solar Photovoltaic (SPV) Water	95.14	NIT Warangal
5225		Advanced Materials In	t pipes (nGUMPS)  (PEM) fuel cell of 1 0 t.w. p	394.00	IIT Madras
5481		Energy Pi		370.00	IIT Kanpur
6042			rocess Optimization	324.01	IIT Hyderabad
2		Energy	T Difference	398.96	IIT Kannir
				120.00	TITE 15 1

225 6458	8070	Information & Communication Technology	A Software Tool for the Planning and Design of Smart Micro Power Grids	202.92	IIT Guwahati
226	6773	Enerov	Dotte dations and 1.1		
227		Energy	Power Converter Design and 17.	202.00	IIT Rombay
		6	Devices	184.38	IIT Kanpur
228		Energy	Fuel-Flexible Colorless Combustor for Illtra-Mirro (1, 10 LW) Co. 25, 11, 6		
229	7190	Sustainable Habitat	Solar Grain Dryer	120.00	IIT Kanpur
230	7738	Energy	David Annant Afor among	144.00	IIT Bombay
į	6701		deploying multisensor detection and signal fusion	196.00	IIT Kharagpur
7	/863	Energy	Cognition and Control for Demand Management: Sensors, Actuators and Web Services for Smart Consumers	140.04	IIT Bombay
232	8073	Energy	Low Cost Indoor Occupancy and Climate Maniteries S. T. T. T.		
233	22.2	Advanced Materials	High strength were and occurrence would be strength were and occurrence with the strength were strength with the strength were strength with the str	88.75	IIT Kanpur
234	4551	Environmental Science &	Development of a Waste to Wealth Green Biochar Production Unit for Implementation as Soil Nutrient Source	396.00	IIT Kanpur
325	5444	Climate Change	in the Rural Areas of West Bengal and Bihar	700.00	nı vuaragpur
3	2444	Sustainable Habitat	Cost Effective Cyclone Resistant Sustainable Rural Housing Technology using Cold-formed Steel	349.00	IIIT Hyderabad
	4468		Development of TRIP (transformation induced plasticity) assisted ultrahigh strength duplex steels by warm-rolling.	78.78	IIT Hyderabad
- 1	4469	Advanced Materials	indigeneous software develonment for ICME. Examples and the many		
	4575	Advanced Materials	Development of nano-structured rifts high seasons to the meso-scopic tengin scale	319.44	IISc Bengaluru
239	5222	Advanced Materials	New openeration MoO. C. refractively a strength stock with good ductility	399.78	IIT Roorkee
			School of the control	112.80	NIT Rourkela
240	6209	Water Resources & River	Reclamation of Steel Industry Wastewater through Phycoremediation Technique Using Microalgae and	45.12	NIT Durganur
241	7365	Advanced Materials	Assessment of Biotuel Production from Algal Biomass		
			interpwave assisted reduction of iron ore/slimes: An innovative and cost effective approach for steel production	331.80	IIT Madras
	7742	Advanced Materials	High strength steel sheets and wires production by Thermo-Merhano-Surface Chamical Tracement	00.00	
243	8014	Advanced Materials	Model based optimization tool (EAF_OPT) for enhancing Energy Efficiency, Productivity and Yield of Electric 391.92	391.92	IIT Kanpur
244	4380	Information &	Air Interface design for Ultra dense network scenario in 5G	00 000	FAA WAA
	7 (7)	Communication Technology		399.00	III Kharagpur
C47	0134	Environmental Science & Climate Change	Hierarchically Structured Micro-Nano Pore Nanocomposite Membrane made of Ferric-Oxide Decorated-Titania 250.00 Activated-Carbon-Flyash in Carbonized Epoxy Resin as Versatile Filters for Water Purifications: Removal of	250.00	IIT Kanpur
246	4583	Sustainable Habitat	PROPAGATION AND MITIGATION MODEL OF MIXED ROAD TRAFFIC NOISE FOR PLANNING OF MID. SIZED BLANK AND SIZED RUBBER OF MIXED ROAD TRAFFIC NOISE FOR PLANNING F	373.53	IIT (BHU) Varanasi
247	5370	Sustainable Habitat	Transformative Design Processes for integrating Traditional Habitat and Smart Infrastructure Systems: Case of	140.28	IIT Kharagpur
248	5459	Energy	Variable commention Bis CNC London Annual Vishakhapatnam, INDIA		5
			variable composition bio-LNG based stationary power generating engine platform: In-cylinder and full cycle response characterization and prototype development	207.00	IISc Bengaluru
	98/6	lesources & River	Intelligent Water Supply Network Monitoring and Control for EQuitable Distribution of WATER within a Mega city (EQWATER)	400.00	IISc Bengaluru
250	6003	Energy	Development of a Combustion System for Energy Recovery from Municipal Solid Waste Derived Fuel	399.90	IIT Bombay

IIT Bombay	(pomor	IIT Bombay	IIT Bhubaneswar	IIT Roorkee	NIT Rourkela		IIT Mandi	IIT Roorkee	IIT Hyderabad	IIT Kanpur
239.55		399.97	72.00	125.38	386.31		384.34	244.00	63.75	326.57
CityProbe: A city-scale pervasive sensing system for monitoring road conditions, air and sound pollution	Ultrasonic domestic water meter- product design and field testino	Measures for Improving the Attractiveness of Pedestrian Facility Accessing 17-1-1	Action-research methods for urban improvement and slum impradime.			Sustainable waste water treatment through bio-photoelectro catalysis and hindral	Discharge estimation using non-contact hydrometric measurements	Developing an Advanced Electrocoagulation System for Industrial War		
Information & Communication Technology	Water Resources & River Systems	Sustainable Habitat	Sustainable Habitat	Information & Communication Technology	(Solomon recumonos)	Energy	Water Resources & River Systems	Environmental Science &	Water Resources & River	g
251 66720	6843	7094	7293	7794		7801	4222	4452	5423	Total funding
. 251	252	253	254	255		726	257	258	259	

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