



**Indian Institute of  
Technology Bhubaneswar**



**Annual  
Accounts  
2021-2022**

**STATEMENT OF  
ACCOUNTS  
2021-22**



**INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR**

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BRANCH: DIRECTOR GENERAL OF AUDIT (CENTRAL), HYDERABAD AT  
BHUBANESWAR



Date: 10 Oct 2022

To,

To The Director, Indian Institute of Technology, Bhubaneswar

Subject: Separate Audit Report on the accounts of the Indian Institute of Technology (IIT), Bhubaneswar for the year 2021-22 –  
reg.

Sir/Madam,

Separate Audit Report on the accounts of the Indian Institute of Technology, Bhubaneswar for the year 2021-22, Annexure thereof and one copy  
of Annual Accounts are forwarded herewith for placing before both the Houses of Parliament.

The dates of presentation of Separate Audit Report in both the Houses of Parliament may please be intimated.

Yours faithfully,

Karape JS  
Director General



No. DGA(C)/BO-Odisha/SAR-2021-22/IIT-BBSR/2022-23/

Date-10/10/2022

**Separate Audit Report on the accounts of the Indian Institute of Technology (IIT), Bhubaneswar for the financial year 2021-22**

To,  
The Secretary,  
Ministry of Education, Govt. of India,  
Department of Higher Education,  
New Delhi 110001

Sub- Separate Audit Report on the accounts of the Indian Institute of Technology (IIT),  
Bhubaneswar for the year 2021-22 – reg.

Madam/Sir,

Separate Audit Report on the accounts of the Indian Institute of Technology, Bhubaneswar for the year 2021-22, Annexure thereof and one copy of Annual Accounts are forwarded herewith for placing before both the Houses of Parliament.

The dates of presentation of Separate Audit Report in both the Houses of Parliament may please be intimated.

आपसे अनुरोध है कि संलग्नक के साथ इस पत्र की प्राप्ति को स्वीकार करें।

संलग्न— यथोपरि

भवदीय,  
**हस्ताक्षरित**  
महानिदेशक लेखापरीक्षा/केन्द्रीय  
Director General of Audit (Central)

No. DGA(C)/BO-Odisha/SAR-2021-22/IIT-BBSR/2022-23/350

Date-10/10/2022

Copy to the Director, Indian Institute of Technology, Bhubaneswar At- Argul, Jatni, Dist- Khordha-752050 along with one copy of Annual Accounts for the year 2021-22 (English version), with a request to furnish the Hindi version of the approved Annual Accounts 2021-22 (2 sets), to Branch Office- Odisha

संलग्न— यथोपरि

**हस्ताक्षरित**  
**Director/CRA**

We have audited the attached Balance Sheet of the Indian Institute of Technology, Bhubaneswar as at 31 March 2022, Income & Expenditure Account and Receipts & Payments Account for the year ended on that date under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers and Conditions of Service) Act, 1971 read with Section 23(2) of the Institutes of Technology Act, 1961. These financial statements are responsibility of the Institute's Management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects etc., if any, are reported through Inspection Reports/CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

(i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;

(ii) The Balance Sheet and Income & Expenditure Account/Receipts & Payments Account dealt with by this Report have been drawn in the Format of financial statements for the Central Higher Educational Institutions prescribed by the Ministry of Education.

(iii) In our opinion, proper books of accounts and other relevant records have been maintained by the Institute as required, in so far as it appears from our examination of such books.

(iv) We further report that:

### Comments on Accounts

#### A. Balance Sheet

##### A.1 Liability

##### A.1.1 Capital Fund (Schedule-1): Rs.885.68 crore

As per Accounting Standard 12 & 16, amount of grant, including borrowing cost of capital, to the extent utilized for capital expenditure should be credited to (Added) Capital Fund.

The institute had been funding its construction project by obtaining loan from HEFA (Higher Education Financing Agency) with the stipulation that 75 percent of loan and total interest would be paid from grant released by MOE and balance 25 percent from institute's own income. The institute, inter alia, had received grant to the tune of ₹5.16 crore for payment of HEFA loan interest (borrowing cost) for 2021-22 against the total interest liability of ₹7.51 crore for the said year. Accordingly grant to the extent of ₹5.16 crore utilized for payment of interest was to be capitalized and balance ₹2.35 crore under Current Liability & Provision (Sch-3 HEFA loan interest Payable) with corresponding entry under Loan, Advances & Deposits (Sch-8 HEFA Loan interest receivable from MOE). But the institute had overstated the Capital Fund and Asset (WIP) to the extent of ₹2.35 crore by crediting Capital Fund and debiting Assets (WIP) for the entire amount of interest ₹7.51 crore (Sch-1, Sch-4).

#### B. General:

**B.1** Scrutiny of Annual Account and TDR register revealed that TDR certificate amounting to ₹227 crore, was physically available in record against Term Deposits booked figure of ₹232 crore (Sch-5, 6 and 7) in Annual Account resulting in difference of ₹5 crore between book figure and actual physical availability of TDR there against.

**B.2** No Provision for retirement benefit were made as per AS 15.

#### C. Grants-in-Aid:

The institute received Grants-in-Aid of ₹118.51 crore (OH-31= ₹39.2 crore, OH-35 CCA = ₹12.00 crore, OH-36 salary= ₹41.52 crore and HEFA loan ₹25.79 crore) from the Ministry of Education, New Delhi during the year 2021-22. The total Grants-in-aid available for expenditure

during the year 2021-22 was ₹124.81 crore which includes opening balance of ₹1.73 crore, Grants-in-aid of ₹118.51 crore, internal income ₹6.87 crore (institute share 25 per cent for repayment of HEFA loan) and ₹2.30 crore refund of interest generated and utilized during the year 2020-21. However, against the available grant of ₹124.81 crore, the institute could utilize ₹137.83 crore.

**D. Management Letter-** Deficiencies which have not been included in the Audit Report have been brought to the notice of the Director, IIT Bhubaneswar through a Management Letter issued separately for remedial/corrective action.

v. Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account and Receipts and Payments Accounts dealt with by this report are in agreement with the books of accounts.

vi. In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in **Annexure** to this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India.

(a) In so far as it relates to the Balance Sheet, of the state of affairs of the Indian Institute of Technology, Bhubaneswar as at 31 March 2022; and

(b) In so far as it relates to Income & Expenditure Account of the *deficit* for the year ended on that date.

हस्ताक्षरित

Director General of Audit (Central)

## ANNEXURE

1. **Adequacy of Internal Audit System:** As on date of audit the Institute is not having any Internal Audit Wing. The Internal Audit of the Institute for the year 2021-22 was conducted by the Officer on Special Duty (OSD) appointed by the IIT, Bhubaneswar.
2. **Adequacy Internal Control System:** The Institute is not having its own Accounting Manual. Further, As per Rule 217(i) of the GFR-2017, an item may be declared surplus or obsolete or unserviceable, if the same is of no use to the Ministry or the Department. The reason for declaring the item surplus or obsolete or unserviceable should be recorded by the authority competent to purchase the item. Further Rule-222 of the said Rules stipulates that a sale account should be prepared for goods disposed of in Form GFR-11 duly signed by the officer who supervised the sale or auction.  
However, it is noticed that verification of fixed assets of the Institute had been conducted up to 31 March 2022 but the said report only disclosed the physical balance of assets without mentioning about book balance and shortfall/excess if any noticed during the physical verification. As such the very purpose of physical verification was defeated.
3. **System of Physical Verification of Fixed Assets:** The Annual Physical Verification of Fixed Assets of the Institute for the year 2021-22 has been conducted by the respective wings of IIT themselves.
4. **System of Physical Verification of Inventory:** The Annual Physical Verification of Inventory of the Institute for the year 2021-22 has not been conducted.
5. **Regularity in payment of statutory dues:** The institute is regular in depositing the statutory dues with appropriate authorities.

हस्ताक्षरित  
Director/CRA

### Action Taken Notes on the observations of CAG contained in Separate Audit Report on the accounts of IIT Bhubaneswar for the year 2021-22

CAG Audit observation	Replies of IIT Bhubaneswar
1. We have audited the attached Balance Sheet of the Indian Institute of Technology, Bhubaneswar as at 31 March 2022, Income & Expenditure Account and Receipts & Payments Account for the year ended on that date under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers and Conditions of Service) Act, 1971 read with Section 23(2) of the Institutes of Technology Act, 1961. These financial statements are responsibility of the Institute's Management. Our responsibility is to express an opinion on these financial statements based on our audit.	Factual observation. Needs no compliance.
2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects etc., if any, are reported through Inspection Reports/CAG's Audit Reports separately.	
3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.	

CAG Audit observation	Replies of IIT Bhubaneswar
<p>4. Based on our audit, we report that:</p> <p>(i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;</p> <p>(ii) The Balance Sheet and Income &amp; Expenditure Account/ Receipts &amp; Payments Account dealt with by this Report have been drawn in the Format of financial statements for the Central Higher Educational Institutions prescribed by the Ministry of Education.</p> <p>(iii) In our opinion, proper books of accounts and other relevant records have been maintained by the Institute as required, in so far as it appears from our examination of such books.</p> <p>(iv) We further report that:</p>	<p>Factual position. Needs no reply.</p>
<p><b>Comments on Accounts</b></p> <p><b>A. Balance Sheet</b></p> <p><b>A.1 Liability</b></p> <p><b>A.1.1 Capital Fund (Sch-1): Rs.885.68 crore</b></p>	
<p>As per Accounting Standard 12 &amp; 16, amount of grant, including borrowing cost of capital, to the extent utilized for capital expenditure should be credited to (Added) Capital Fund. The institute had been funding its construction project by obtaining loan from HEFA (Higher Education Financing Agency) with the stipulation that 75 percent of loan and total interest would be paid from grant released by MOE and balance 25 percent from institute's own income. The institute, inter alia, had received grant to the tune of ₹5.16 crore for payment of HEFA loan interest (borrowing cost) for 2021-22 against the total interest liability of ₹ 7.51 crore for the said year. Accordingly grant to the extent of ₹ 5.16 crore utilized for payment of interest was to be capitalized and balance ₹ 2.35 crore under Current Liability &amp; Provision (Sch-3 HEFA loan interest Payable) with corresponding entry under Loan, Advances &amp; Deposits (Sch-8 HEFA Loan interest receivable from MOE). But the institute had overstated the Capital Fund and Asset (WIP) to the extent of ₹ 2.35 crore by crediting Capital Fund and debiting Assets (WIP) for the entire amount of interest ₹ 7.51 crore (Sch-1, Sch-4).</p>	<p>As per the directions of MoE, the Annual Accounts of the Institute is always prepared every year on accrual basis. Thus, HEFA loan interest of ₹7.51 crore for the year 2021-22 (₹5.16 crore for April-December 2021 paid during the year and ₹2.35 crore for January-March 2022 paid on 2 May 2022, before closure of accounts) has been correctly capitalized and accounted for under CWIP (Borrowing cost) and Capital Account, duly complying with the provisions of the Accounting Standards AS 12 and AS 16. Besides, the Institute has also complied the AS-4 which is mandatory while preparing the accounts. AS 4 required for considering events occurring after the Balance Sheet date but before finalization of the accounts, which have significant impact on the accounts of the year under consideration. These provisions of AS 4, 12 and 16 were duly complied with. So, there was no overstatement of Capital Fund as well as CWIP by ₹2.35 crore, as observed in Audit.</p> <p>On receipt of fund (₹2.35 crore) from MoE towards interest for January-March 2022, Current Assets (Receivable from MoE-HEFA loan interest) was credited by ₹2.35 crore vide Receipt Voucher No. 10 dated 2.5.2022 and on payment of said interest to HEFA, Current Liabilities (HEFA loan interest payable) was debited by an equal amount vide JV 208A dated 30.4.2022/ 2.5.2022. Thus, current liabilities and current assets have already been setoff even before finalization of the Annual Accounts but were shown to ensure the Annual Account depict the correct picture.</p>

CAG Audit observation	Replies of IIT Bhubaneswar
<p><b>B. General</b></p>	
<p><b>B.1</b> Scrutiny of Annual Account and TDR register revealed that TDR certificate amounting to ₹ 227 crore, was physically available in record against Term Deposits booked figure of ₹ 232 crore (Sch-5, 6 and 7) in Annual Account resulting in difference of ₹5 crore between book figure and actual physical availability of TDR there against.</p>	<p>Term Deposits booked figure of ₹232.03 crore is correct. Out of the same hard copies of TDRs for ₹227.57 crore was produced before Audit. Out of remaining ₹4.46 crore, (i) four TDRs for ₹52.71 lakh were retained by two banks as these were opened for LC payment and (ii) ₹393.95 lakh is held as MOD balance in one flexi-deposit account of Continuing Education section. However, bank confirmation certificates in respect these balances as on 31.3.2022 were kept with the Institute and these have already been shown/ furnished to Audit.</p>
<p><b>B.2</b> No Provision for retirement benefit were made as per AS 15.</p>	<p>Retirement benefits includes pension, gratuity and leave encashment. All employees of this IIT are covered under NPS. MoE intimated (January 2022 and March 2022) that a proposal for issue of notification for implementation of the provisions of the Payment of Gratuity Act 1971 to the employees of CFTIs is under consideration. Besides, it has also clarified that leave encashment on retirement is permissible to be paid out of Government Grant.</p> <p>In view of the above, there was no necessity for making any provision for retirement benefits in the Annual Accounts as per the provisions of AS 15 and said fact has already been disclosed at Serial 7 of Schedule 24 (Notes to Accounts).</p>
<p><b>C. Grants-in-Aid</b></p>	
<p>The institute received Grants-in-Aid of ₹118.51 crore (OH-31= ₹39.2 crore, OH-35 CCA = ₹12.00 crore, OH-36 salary= ₹41.52 crore and HEFA loan ₹25.79 crore) from the Ministry of Education, New Delhi during the year 2021-22. The total Grants-in-aid available for expenditure during the year 2021-22 was ₹124.81 crore which includes opening balance of ₹1.73 crore, Grants-in-aid of ₹118.51 crore, internal income ₹6.87 crore (institute share 25 per cent for repayment of HEFA loan) and ₹2.30 crore refund of interest generated and utilized during the year 2020-21. However, against the available grant of ₹124.81 crore, the institute could utilize ₹137.83 crore.</p>	<p>Factual position. No compliance is necessary.</p>



CAG Audit observation	Replies of IIT Bhubaneswar
<b>D. Management Letter:</b>	
Deficiencies which have not been included in the Audit Report have been brought to the notice of the Director, IIT Bhubaneswar through a Management Letter issued separately for remedial/corrective action.	
(1) The Earmarked/Endowment Fund (Schedule-2) balance ₹178.89 crore had been represented by Assets (Sch-5- ₹9.57 crore, Sch-6- ₹166.33 crore and Cash balance ₹0.04 crore) worth ₹175.94 crore resulting in discrepancies of ₹2.95 crore between earmarked/Endowment fund balance and Assets available there against. The discrepancy needs reconciliation.	1. As the accounts of the Institute is maintained in accrual basis, R&D overhead of ₹1.11 crore is still available with R&D bank account and this will be transferred to Institute Corpus Fund only after CAG Audit Report is received. But this has been accounted for under Corpus fund on accrual concept. Similarly, an amount of ₹1.84 crore to be transferred to Corpus Fund out of Internal Resources Generation, was assessed at the time of finalization of annual accounts much after the balance sheet date though on accrual accounting same was added to Corpus Fund. Above amount has since been remitted by R&D on 7.11.2022 and out of IRG on 3.11.2022 and both have already been kept in shape of TDR under Corpus Fund (TDR No. 14006677540 dated 7.11.2022 -₹ 1,11,42,751.47 and TDR No. 140065384359 dated 3.11.2022-₹1,83,16,595.46). Thus, total balance under Earmarked/ Endowment fund of ₹ 178.89 crore as on 31.3.2022 has since matched with balance in savings bank account (₹0.04 crore) and in fixed deposits with banks (₹178.85 crore).
(2) Check of Bank Reconciliation Statement revealed that there were four numbers of time barred cheques valued ₹0.34 lakh (Account No.35052867155) which were not taken back in the account. Similarly four number of cheques valuing ₹0.71 lakh deposited between January to March 2019 and two numbers of cheques valuing ₹15.66 lakh deposited on 31.03.2022 and not cleared as on stipulated date (31.03.2022) were taken into books as revenue received. However, this may be verified for reconciliation.	2. ₹0.34 lakh being payment advices issued but payment not released has already been reversed vide Receipt Voucher No. 746 dated 19.8.2022. As SBI has confirmed (19th August 2022) that un-cleared and time barred bank drafts for ₹0.71 lakh has already been sent for revalidation to banks concerned, said amount has been shown as 'Receivable from SBI' vide Voucher No. 747 dated 19.8.2022. Two cheques for ₹15.66 lakh deposited on 31.03.2022 has already been cleared by Canara Bank, Argul on 7th April 2022.

CAG Audit observation	Replies of IIT Bhubaneswar
(v) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account and Receipts and Payments Accounts dealt with by this report are in agreement with the books of accounts..	Factual comments. Needs no compliance.
(vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in Annexure to this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India.  (a) In so far as it relates to the Balance Sheet, of the state of affairs of the Indian Institute of Technology, Bhubaneswar as at 31 March 2022; and  (b) In so far as it relates to Income & Expenditure Account of the deficit for the year ended on that date.	Factual comments. Needs no compliance.

**ATN on observations contained in Annexure A**

<b>1. Adequacy of Internal Audit System:</b>  As on date of audit the Institute is not having any Internal Audit Wing. The Internal Audit of the Institute for the year 2021-22 was conducted by the Officer on Special Duty (OSD) appointed by the IIT, Bhubaneswar..	The Institute has an Internal Audit section with OSD (Internal Audit) as the head. Internal Audit Manual is also in place. However, efforts are being made to strengthen the Internal Audit Section.
<b>2. Adequacy Internal Control System:</b>  The Institute is not having its own Accounting Manual. Further, As per Rule 217(i) of the GFR-2017, an item may be declared surplus or obsolete or unserviceable, if the same is of no use to the Ministry or the Department. The reason for declaring the item surplus or obsolete or unserviceable should be recorded by the authority competent to purchase the item. Further Rule-222 of the said Rules stipulates that a sale account should be prepared for goods disposed of in Form GFR-11 duly signed by the officer who supervised the sale or auction.  However, it is noticed that verification of fixed assets of the Institute had been conducted up to 31 March 2022 but the said report only disclosed the physical balance of assets without mentioning about book balance and shortfall/ excess if any noticed during the physical verification. As such the very purpose of physical verification was defeated.	Provisions of GFR 2017 and procedure prescribed in the 'Formats of Financial Statements for Central Higher Educational Institutions' prescribed by MoE in 2015 are strictly being followed in financial matters and so need for a separate Accounting Manual has not been felt necessary.  The Institute has a system for identification of unserviceable / obsolete items and a Committee has been constituted vide OO dated 24.08.2018 for disposal of the same. The Committee met, whenever any such disposal is felt necessary. Presently a drive for identification and disposal of such obsolete equipment/ furniture is in progress.

CAG Audit observation	Replies of IIT Bhubaneswar
<p><b>3. System of Physical Verification of Fixed Assets:</b> The Annual Physical Verification of Fixed Assets of the Institute for the year 2021-22 has been conducted by the respective wings of IIT themselves.</p>	<p>Instructions has been issued to ensure that such annual physical verification of fixed assets is conducted in April each year. The verification team will have one representative from Store and purchase section of this Institute.</p>
<p><b>4. System of Physical Verification of Inventory:</b> The Annual Physical Verification of Inventory of the Institute for the year 2021-22 has not been conducted.</p>	<p>Being a teaching and research Institution, IIT Bhubaneswar has no raw materials. Besides, quantity of consumable stores like stationaries, laboratory chemicals at the year were insignificant end as such laboratory chemicals etc. were purchased in very small quantity on need basis within ₹25,000 in each case to avoid piling up of much consumables stores/ chemicals.</p>
<p><b>5. Regularity in payment of statutory dues:</b> The institute is regular in depositing the statutory dues with appropriate authorities.</p>	<p>The Institute will maintain regularity in payment of statutory dues.</p>



REGISTRAR

# ANNUAL ACCOUNTS

# Indian Institute of Technology Bhubaneswar

Balance Sheet as at 31st March 2022

(Amount in ₹)

Sources of Funds	Schedule	Current Year 2021-22	Previous Year 2020-21
Capital Fund	1	8,85,68,76,179.70	8,62,35,16,474.80
Designated/Earmarked/Endowment Funds	2	1,78,89,06,045.84	1,43,84,97,410.26
Current Liabilities & Provisions	3	2,22,40,14,535.04	1,75,36,29,904.67
Secured Loan	3 (I)	1,25,56,13,000.00	39,05,10,000.00
<b>TOTAL</b>		<b>14,12,54,09,760.58</b>	<b>12,20,61,53,789.73</b>

Application of Funds	Schedule	Current Year 2021-22	Previous Year 2020-21
Fixed Assets	4		
Tangible Assets		9,06,35,58,002.20	7,29,23,69,115.19
Intangible Assets		55,28,86,533.35	48,97,04,197.35
Capital Work-In-Progress		3,35,32,80,797.76	3,31,28,38,723.92
		12,96,97,25,333.31	11,09,49,12,036.46
Less:- Depreciation		2,20,01,44,405.06	1,86,74,46,520.71
Net Block Fixed Assets		10,76,95,80,928.26	9,22,74,65,515.75
Investments from Earmarked Funds/Endowment Funds	5		
Long Term		9,57,25,967.97	9,11,09,984.62
Short Term		-	-
Investments-Others	6	1,66,33,00,994.15	1,32,56,45,655.76
Current assets	7	77,76,21,666.30	92,61,30,208.74
Loans, Advances & Deposits	8	81,91,80,203.90	63,58,02,424.86
<b>TOTAL</b>		<b>14,12,54,09,760.58</b>	<b>12,20,61,53,789.73</b>

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Registrar  
IIT Bhubaneswar



Director  
IIT Bhubaneswar

# Indian Institute of Technology Bhubaneswar

Income & Expenditure Account for the Year ended 31st March 2022

(Amount in ₹)

Income	Schedule	Current Year 2021-22	Previous Year 2020-21
Academic Receipts	9	10,58,97,270.00	5,07,03,741.00
Grants/Subsidies	10	78,42,15,054.34	76,92,41,544.72
Income from Investments	11	-	-
Interest Earned	12	11,35,290.00	7,77,456.77
Other Income	13	1,85,58,352.70	19,38,347.94
Prior Period Income	14		-
<b>TOTAL (A)</b>		<b>90,98,05,967.04</b>	<b>82,26,61,090.43</b>

Expenditure	Schedule	Current Year 2021-22	Previous Year 2020-21
Staff Payments & Benefits (Establishment Expenses)	15	43,73,60,783.00	40,22,75,029.62
Academic Expenses	16	24,78,52,811.06	23,93,50,582.13
Administrative and General Expenses	17	23,38,75,030.64	18,20,42,105.28
Transportation Expenses	18	93,05,336.00	69,27,113.00
Repairs & Maintenance	19	2,79,77,712.48	3,04,37,081.48
Finance cost	20	75,995.25	1,10,582.68
Depreciation	4	33,26,97,884.34	29,67,53,112.53
Other Expenses	21	-	-
Prior Period Expenses	22	50,24,995.14	1,51,45,531.13
<b>TOTAL (B)</b>		<b>1,29,41,70,547.91</b>	<b>1,17,30,41,137.85</b>
Balance being excess of Expenditure over Income (A-B)		(38,43,64,580.87)	(35,03,80,047.42)
<b>Balance being deficit carried to capital fund</b>		<b>(38,43,64,580.87)</b>	<b>(35,03,80,047.42)</b>

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# Indian Institute of Technology Bhubaneswar

Receipts and Payments Account for the Year Ended 31st March 2022

Sl No.	Receipts	Current Year 2021-22	Previous Year 2020-21	SI No.	Payments	Current Year 2021-22	Previous Year 2020-21
I.	<b>Opening Balance</b>			I.	<b>EXPENSES</b>		
	a) Cash in Hand	-	-	a)	Establishment Expenses	38,47,59,072.00	35,52,64,376.82
	b) Bank Balances			b)	Academic Expenses	13,09,54,680.65	13,40,74,215.55
	i) In Current accounts			c)	Administrative Expenses	3,66,58,625.00	4,69,81,766.00
	ii) In deposit accounts			d)	Transportation Expenses	48,602.00	62,219.00
	iii) In Savings accounts	15,38,64,635.18	12,56,09,487.73	e)	Repairs & Maintenance	1,47,775.00	1,28,165.00
				f)	Prior Period Expenses	15,10,469.51	3,58,268.00
				g)	Finance Cost	75,995.25	1,12,311.68
II.	<b>Grants Received</b>			II.	<b>Payment against Earmarked/ Endowment Funds</b>	<b>52,49,344.00</b>	<b>37,05,719.00</b>
	a) From Govt. of India	1,18,50,79,822.00	87,71,39,119.00				
	b) From State Government						
	c) From Other Sources (Details)						
	(Grants from Capital and Revenue expenses to be Shown Separately)						
III.	<b>Academic Receipts</b>	<b>32,37,19,159.10</b>	<b>29,75,79,626.00</b>	III.	<b>Payment against Sponsored Projects/ Schemes</b>	<b>35,19,27,937.33</b>	<b>27,73,73,961.39</b>
IV.	<b>Receipts against Earmarked/ Endowment Funds :</b>			IV.	<b>Payment against Sponsored Fellowships/ Scholarships</b>		
	a) Earmarked/Endowment Fund						
	c) Own Funds (other Investment)						
V.	<b>Receipts against Sponsored Projects/ Schemes</b>	<b>32,79,91,913.25</b>	<b>30,60,02,487.33</b>	V.	<b>Investments and Deposits made</b>		
				a)	Out of Earmarked/ Endowment funds		
				b)	Out of Own funds (Investments - other)		
VI.	<b>Receipts against Sponsored Fellowships and Scholarships</b>			VI.	<b>Term Deposits with Scheduled Banks</b>	<b>1,90,24,47,592.28</b>	<b>1,17,18,69,503.12</b>
VII.	<b>Income/ receipt on Investment</b>			VII.	<b>Expenditure on Fixed Assets and Capital Wrok-in-Progress</b>		
	a) Earmarked/ Endowment funds	33,405.00	14,36,381.39	a)	Fixed Assets	46,30,527.38	2,28,245.53
	b) other Investments			b)	Capital Works-in-Progress	1,00,00,000.00	

# Indian Institute of Technology Bhubaneswar

Receipts and Payments Account for the Year Ended 31st March 2022 (Contd...)

Sl No.	Receipts	Current Year 2021-22	Previous Year 2020-21	SI No.	Payments	Current Year 2021-22	Previous Year 2020-21
VIII.	<b>Interest received on</b>			VIII.	<b>Other Payments including statutory payments</b>	<b>73,98,22,607.42</b>	<b>49,34,88,227.54</b>
	a) Bank deposits	1,92,05,855.55	1,77,51,699.85		Capital fund		
	b) Loans and Advances				HEFA Loan	32,66,29,822.00	27,50,00,000.00
	c) Savings Bank Accounts	12,94,884.00	12,82,059.54				
IX.	<b>Investments encashed</b>			IX.	<b>Refunds of Grants</b>	<b>2,857.00</b>	<b>-</b>
X.	<b>Term Deposits with Scheduled Banks encashed</b>	<b>1,87,12,74,190.03</b>	<b>1,15,54,94,061.91</b>	X.	<b>Deposits and Advances</b>	<b>74,71,847.00</b>	<b>7,71,43,197.46</b>
XI.	<b>Other Income (including Prior Period Income)</b>			XI.	<b>Other Payments</b>		
	Institute	40,96,300.34	27,33,874.90				
	Hostel Receipt	6,58,51,343.50	2,45,14,993.56		Hostel	38,74,809.76	8,81,100.25
	Receipt against Hostel Current Assets	-	2,63,59,581.00		Hostel Payment against Fixed Assets	8,84,754.00	98,370.00
	Gymkhana Receipt	31,46,335.00	9,58,722.38		Hostel Payment against Current Liabilities	7,06,64,173.00	3,78,86,040.00
	CEP Receipt	4,52,41,210.51	55,53,857.96		CEP Payment	4,51,78,505.78	1,31,13,097.44
	Guest House Receipt	8,51,680.00	20,24,647.62		Gymkhana payment	11,57,187.00	10,10,174.00
	S K Bet Receipt	60,52,304.00	62,18,362.00		Guest House Payment	8,35,154.42	20,96,212.59
					S K Bet Payment	60,52,251.00	62,26,702.00
XII.	<b>Deposits and Advances</b>	<b>4,93,59,162.25</b>	<b>1,49,14,933.00</b>	IX	<b>Closing Balances</b>		
				a)	Cash in Hand		
XIII.	<b>Miscellaneous Receipts including Statutory Receipts</b>	<b>19,01,79,905.48</b>	<b>18,54,52,612.38</b>	b)	Bank Balances		
XIV.	<b>Any Other Receipts</b>			i)	In Current accounts		
				ii)	In deposit accounts		
				iii)	In Savings accounts		
	<b>TOTAL</b>	<b>4,24,72,42,105.19</b>	<b>3,05,09,66,507.55</b>		<b>TOTAL</b>	<b>4,24,72,42,105.19</b>	<b>3,05,09,66,507.55</b>



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# Indian Institute of Technology Bhubaneswar

## SCHEDULE-1: Capital Fund

(Amount in ₹)

Particulars	(Amount in ₹)	
	Current Year 2021-22	Previous Year 2020-21
Balance at beginning of the year	8,62,35,16,474.80	8,52,73,94,999.07
Add: MOE Grant for Repayment of HEFA Loan	20,62,50,000.00	20,62,50,000.00
Add: MOE Grant for Repayment of HEFA Loan Interest	7,51,41,121.00	1,67,89,119.00
Add: MOE Grant for Repayment of HEFA Loan Interest	-	-
Add: Grants from MOE, Government of India to the extent utilized for capital expenditure	19,15,83,211.44	13,89,82,244.15
Add: HEFA loan repayment (Institute Share) from Fees	6,87,50,000.00	6,87,50,000.00
Add: Encashment of PBG of defaulted contractors engaged by Ms NBCC	-	26,37,00,000.00
Add: Income from Sale of Fixed Assets	-	2,35,544.00
Add: Other Additions (Interest earned on advance to NBCC)	1,31,988.00	1,66,881.00
Add: Unutilised Grant Under Head - 31 and 36 (shown in Current Assets)	7,58,67,965.33	5,80,61,955.10
Less: Unutilised Grant Under Head - 31 and 36 as on 01.04.2020 taken into account	-	9,21,56,746.06
Less: Deficit Grant received from MOE	-	-
Less: Unutilised Grant Under Head - 35 (as on 01.04.20 shown in Current Liabilities)	-	21,42,77,474.04
<b>TOTAL</b>	<b>9,24,12,40,760.57</b>	<b>8,97,38,96,522.22</b>
<b>Deduct :Deficit transferred from the Income &amp; Expenditure Account</b>	<b>(38,43,64,580.87)</b>	<b>(35,03,80,047.42)</b>
<b>Balance as at the Year End</b>	<b>8,85,68,76,179.70</b>	<b>8,62,35,16,474.80</b>

# Indian Institute of Technology Bhubaneswar

## SCHEDULE-2: Designated/Earmarked Funds/Endowment Funds

(Amount in ₹)

Particulars	Fund Wise Break Up			Total	
	Corpus Fund	Student Brotherhood Fund (SBF)	Endowment Fund	Current Year 2021-22	Previous Year 2020-21
<b>A.</b>					
a) Opening Balance	1,33,22,66,676.75	66,22,335.83	9,96,08,397.68	1,43,84,97,410.26	1,18,06,61,677.99
b) Additions during the year	25,11,05,027.90	7,04,900.00	-	25,18,09,927.90	20,71,98,300.28
c) Income from Investments made on account of funds (Sch - 11)	9,38,29,059.74	3,22,912.00	56,59,812.47	9,98,11,784.21	5,47,42,341.11
d) Other Adjustment	(54,71,625.00)	-	-	(54,71,625.00)	-
e) Interest on Savings Bank Account (Sch - 11)	6,660.00	-	2,861.00	9,521.00	1,06,146.08
f) Other additions- Donations/ Grants/Adjustment	1,11,42,751.47	-	-	1,11,42,751.47	-
<b>TOTAL (A)</b>	<b>1,68,28,78,550.86</b>	<b>76,50,147.83</b>	<b>10,52,71,071.15</b>	<b>1,79,57,99,769.84</b>	<b>1,44,27,08,465.46</b>
<b>B.</b>					
<b>Utilisation/Expenditure towards objectives of funds</b>					
<b>i) Capital Expenditure</b>					
Fixed Assets	-	-	-	-	-
Others	-	-	-	-	-
<b>ii) Revenue Expenditure*</b>					
Salaries, Wages and allowances etc.	29,72,636.00	-	-	29,72,636.00	10,30,661.00
Rent	-	-	-	-	-
Other Administrative Expenses	18,14,047.00	-	21,07,041.00	39,21,088.00	31,80,394.20
<b>TOTAL (B)</b>	<b>47,86,683.00</b>	<b>-</b>	<b>21,07,041.00</b>	<b>68,93,724.00</b>	<b>42,11,055.20</b>
<b>Closing Balance as at the Year End (A-B)</b>	<b>1,67,80,91,867.86</b>	<b>76,50,147.83</b>	<b>10,31,64,030.15</b>	<b>1,78,89,06,045.84</b>	<b>1,43,84,97,410.26</b>
<b>Represented by</b>					
Cash and Bank Balances	(4,686.65)	-	4,24,423.44	4,19,736.79	2,04,528.96
Investments in TDR	1,65,68,61,848.85	64,39,145.30	9,57,25,967.97	1,75,90,26,962.12	1,41,67,55,640.38
Interest accrued but due	-	-	-	-	-
<b>TOTAL</b>	<b>1,65,68,57,162.20</b>	<b>64,39,145.30</b>	<b>9,61,50,391.41</b>	<b>1,75,94,46,698.91</b>	<b>1,41,69,60,169.34</b>

### Notes

- Institute created Corpus fund as per BOG Agenda No- BOG-15-28. In the financial Year 2021-22 amount received way of student fee, miss income, Liquidate damage, interest on security and interest on student fees were transferred to Corpus fund. R & D Corpups is a part of this Corpus fund.
- As per Student Brotherhood Fund Policy (SBFP) contribution collected from students are added to the Fund along with Interest income.
- MGM Endowment Fund :Provision (80% of Income as per MOU) is made for payment of Salaries, Wages, allowances Creation of Assets and other expenses and remaining 20% has been added to the fund account.
- Best out going student (Fund T. V. Mohandas Pai) Fund: Provision (75% of Income as per MOU) is made for distribution of award and recurring expenses and remaining 25% has been added to Fund account.
- B K Dey memorial award of most innovative project (Fund Piyali De) :Provision (80% of Income as per MOU) is made for for distribution of award and recurring expenses and remaining 20% has been added to Fund account.

## Indian Institute of Technology Bhubaneswar

## SCHEDULE-2A: Endowment Funds

Sl.	Name of the Endowment	Opening Balance 2021-22		Additions during 2021-22		Total		Expenditure on the object during the FY 2021-22	Closing Balance 2021-22		Total (10+11) 2021-22
		Endowment	Accumulated Interest	Endowment	Interest	Endowment (3+5)	Accumulated Interest (4 + 6)		Endowment	Accumulated Interest	
1	2	3	4	5	6	7	8	9	10	11	12
1	MGM Endowment Fund	3,00,00,000.00	1,68,90,130.93	-	20,39,372.00	3,00,00,000.00	1,89,29,502.93	19,77,041.00	3,00,00,000.00	1,69,52,461.93	4,69,52,461.93
2	Best B. Tech thesis in Electrical & Mechanical Science (Tejwasi & Dinesh award)	4,00,000.00	1,07,685.38	-	30,012.06	4,00,000.00	1,37,697.44	20,000.00	4,00,000.00	1,17,697.44	5,17,697.44
3	Best outgoing student (Fund T. V. Mohandas Pai)	10,00,000.00	2,35,959.44	-	75,002.56	10,00,000.00	3,10,962.00	60,000.00	10,00,000.00	2,50,962.00	12,50,962.00
4	B K Dey memorial award of most innovative project (Fund Piyali De)	16,00,000.00	3,44,927.94	-	1,14,683.10	16,00,000.00	4,59,611.04	50,000.00	16,00,000.00	4,09,611.04	20,09,611.04
5	S K BET Endowment fund	3,00,00,000.00	1,88,73,107.05	-	33,95,265.00	3,00,00,000.00	2,22,68,372.05	-	3,00,00,000.00	2,22,68,372.05	5,22,68,372.05
6	Abhijit Gangopadhyay	1,28,140.00	28,446.94	-	8,338.75	1,28,140.00	36,785.69	-	1,28,140.00	36,785.69	1,64,925.69
	<b>TOTAL</b>	<b>6,31,28,140.00</b>	<b>3,64,80,257.68</b>	<b>-</b>	<b>56,62,673.47</b>	<b>6,31,28,140.00</b>	<b>4,21,42,931.15</b>	<b>21,07,041.00</b>	<b>6,31,28,140.00</b>	<b>4,00,35,890.15</b>	<b>10,31,64,030.15</b>

## Indian Institute of Technology Bhubaneswar

## SCHEDULE-3: Current Liabilities and Provisions

(Amount in ₹)

A. Current Liabilities	Current Year 2021-22	Previous Year 2020-21
<b>A Deposits from staff</b>	-	-
<b>B Deposits from students</b>		
1. Hostel Fees (Caution money)	1,13,76,292.00	1,13,93,425.00
2. Hostel Fees (Caution money) Ex-student	7,68,133.00	
3. Institute (Caution money)	69,59,500.00	58,35,385.00
4. Institute (Caution money) Ex- Student	4,65,885.00	13,26,000.00
5. Library Fee (Caution money)	69,99,250.00	71,92,750.00
6. Library Fee (Caution money) Ex- Student	4,57,500.00	
7. Ph D (Caution Money Ex-Student)	46,000.00	46,000.00
8. Mess (Caution Money)	82,91,146.00	89,75,146.00
9. Mess (Caution Money) Ex- student	5,49,000.00	
10. Other (Caution Money)	69,947.00	25,877.00
11. M. Sc. (Caution Money)	-	10,000.00
<b>C Sundry Creditors</b>		
1. For Goods & Services	2,88,40,103.94	5,02,89,141.40
2. Others	9,72,31,238.70	12,82,64,976.59
<b>D Deposits-Others (including EMD, Security Deposits)</b>		
1. EMD	75,23,590.73	1,28,92,976.00
2. Performance Security (in lieu of PBG)	59,22,594.56	69,95,517.66
3. Security Deposit Received	14,13,75,373.00	14,13,58,050.00
4. Advances Received	-	-
5. JEE (Advance) organisation expenses	6,58,307.49	16,01,032.49
<b>E Statutory Liabilities:</b>		
1. Duties & Tax	13,15,005.10	20,38,626.95
2. Others (Annexure I)	30,63,667.00	33,63,031.00
<b>F Other current Liabilities</b>		
1. Salaries	4,34,26,919.00	3,85,84,948.00
2. Receipts against sponsored projects (R&D)	28,00,58,761.52	24,92,84,964.13
3. Receipts against sponsored fellowship & scholarship	10,26,361.00	10,26,361.00
4. Receipts against sponsored fellowship & scholarship (R&D)	57,98,764.00	56,32,538.00
5. Withheld GST from Parties	10,01,839.00	20,80,336.00
6. HEFA Loan Intrest payable	2,35,11,299.00	69,70,769.00
7. Guest House	7,07,301.00	55,167.00
8. Other Liabilities	7,91,06,703.35	8,50,90,272.35
9. Payment return by Bank	5,19,573.00	2,39,869.00

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-3: Current Liabilities and Provisions (Contd..)

(Amount in ₹)

A. Current Liabilities		Current Year 2021-22	Previous Year 2020-21
10.	PDA - CSIR	30,000.00	30,000.00
11.	DST Grant	76,654.00	76,654.00
12.	SRIC/ R&D Liabilities	58,23,76,145.76	51,69,49,467.49
13.	Hostel Current Liabilities	2,55,11,015.31	2,33,21,701.59
14.	Wissenaire	12,250.00	2,250.00
15.	Student Insurance Claim	11,730.00	11,730.00
16.	CEP Liabilities	2,98,30,341.94	3,46,22,850.54
17.	Construction of OBC Hostel	2,01,22,827.35	1,91,11,724.35
18.	Startup Center IIT Bhubaneswar	21,46,087.01	21,32,515.01
19.	JEE Fee receivable	31,30,600.00	29,10,500.00
20.	NBCC (India) Ltd	61,73,78,935.00	15,81,50,260.00
21.	NSS Fund	3,74,280.59	2,61,529.59
22.	Performance Security	32,36,310.00	31,45,390.00
24.	IIT Hostel	9,73,60,216.00	7,76,80,428.00
25.	IIT Gymkhana	55,14,618.00	-
26.	Interest Generated from Unspent Grant refundable to MOE	2,33,43,131.99	-
27.	Unutilised Grant from GOI (Capital)	37,09,308.45	7,52,95,229.89
<b>TOTAL (A)</b>		<b>2,17,12,34,505.79</b>	<b>1,68,42,75,390.02</b>

B. Provisions		Current Year 2021-22	Previous Year 2020-21
1	For Taxation	-	-
2	For Gratuity	-	-
3	Superannuation/Pension	-	-
4	Accumulated Leave Encashment	-	-
5	Trade Warranties/Claims	-	-
6	<b>Others (Specify)</b>		
a.	Expenses Payable (Misc.)	4,67,73,946.22	5,70,60,734.62
b.	S K BET Center	42,05,675.03	94,83,574.03
c.	S K Bet Current Liabilities	18,00,408.00	25,41,960.00
d.	Gymkhana Liabilities	-	2,68,246.00
<b>TOTAL (B)</b>		<b>5,27,80,029.25</b>	<b>6,93,54,514.65</b>
<b>TOTAL (A+B)</b>		<b>2,22,40,14,535.04</b>	<b>1,75,36,29,904.67</b>

## Indian Institute of Technology Bhubaneswar

### ANNEXURE-I: Statutory Liabilities (Others)

(Amount in ₹)

Particulars	Current Year 2021-22	Previous Year 2020-21
Labour Cess	-	-
Professional Tax Payable	15,475.00	3,200.00
New Pension Scheme	1,89,205.00	2,62,512.00
GSLI Payable	2,000.00	-
<b>TDS Payable</b>		
TDS Payable(Contractor)	5,29,139.00	3,21,630.00
TDS Payable(Professional)	2,10,473.00	1,07,437.00
TDS Payable(Rent)	-	-
TDS on Salary	21,17,375.00	26,68,252.00
Entry Tax Payable	-	-
<b>TOTAL</b>	<b>30,63,667.00</b>	<b>33,63,031.00</b>

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-3(I): Secured Loan {Higher Education Financing Agency (HEFA)}

(Amount in ₹)

Particulars	Current Year 2021-22	Previous Year 2020-21
Opening Balance	39,05,10,000.00	17,97,00,000.00
Add: Addition of Loan	1,14,01,03,000.00	48,58,10,000.00
<b>Total Loan Amount</b>	<b>1,53,06,13,000.00</b>	<b>66,55,10,000.00</b>
Less: Repayment of Loan from MOE Grant	20,62,50,000.00	20,62,50,000.00
Less: Repayment of Loan from Fees	6,87,50,000.00	6,87,50,000.00
<b>TOTAL</b>	<b>1,25,56,13,000.00</b>	<b>39,05,10,000.00</b>

### SCHEDULE-3(A): Sponsersed Projects

(Amount in ₹)

Sr. No.	Name of the Project	Opening Balance		Tyranaction during the Year		Closing Balance	
		Credit	Debit	Credit	Debit	Credit	Debit
1	2	3	4	5	6	7	8
Details in Annexure 3A1, 3A2 and 3A3							
<b>TOTAL</b>		-	-	-	-	-	-

### SCHEDULE-3(B): Sponsersed Fellowship and Scholarship

(Amount in ₹)

Sr. No.	Name of the Project	Opening Balance		Tyranaction during the Year		Closing Balance	
		Credit	Debit	Credit	Debit	Credit	Debit
1	2	3	4	5	6	7	8
1	UGC	13,94,048.00	-	-	-	13,94,048.00	-
2	CSIR	9,14,106.00	-	-	-	9,14,106.00	-
3	DST	32,30,193.00	-	33,13,367.00	31,47,141.00	33,96,419.00	-
4	NBHM/SERB NPDF	35,871.00	-	-	-	35,871.00	-
5	ICMR	58,320.00	-	-	-	58,320.00	-
<b>TOTAL</b>		<b>56,32,538.00</b>	-	<b>33,13,367.00</b>	<b>31,47,141.00</b>	<b>57,98,764.00</b>	-

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-3(C): Unutilised Grants from Government of India

(Amount in ₹)

A. Non Recurring Grants (Government of India)		Current Year 2021-22	Previous Year 2020-21
	Balance B/F	7,52,95,229.89	21,42,77,474.04
Add:	Receipts during the year for creation of capital assets	12,00,00,000.00	-
Add:	Grant for repayment of HEFA Loan	20,62,50,000.00	20,62,50,000.00
Add:	Grant against HEFA Interest	5,16,29,822.00	1,67,89,119.00
<b>Total available during the year TOTAL (A)</b>		<b>45,31,75,051.89</b>	<b>43,73,16,593.04</b>
Less:	Refunds	2,710.00	-
Less:	Utilized for Capital Expenditure	19,15,83,211.44	13,89,82,244.15
Less:	Utilized for repayment of HEFA Loan	20,62,50,000.00	20,62,50,000.00
Less:	Utilized for HEFA Loan Interest	5,16,29,822.00	1,67,89,119.00
<b>TOTAL (B)</b>		<b>44,94,65,743.44</b>	<b>36,20,21,363.15</b>
<b>Unutilised Grant in Aid (carried forward and transfer to Current Lianlity) (A-B)</b>		<b>37,09,308.45</b>	<b>7,52,95,229.89</b>

B. Recurring Grant (Government of India)		Current Year 2021-22	Previous Year 2020-21
	Balance B/F	(5,80,61,955.10)	9,21,56,746.06
Add:	Recepits during the year	80,72,00,000.00	65,41,00,000.00
Add:	Internal Income Generated during FY 2020-21 now reversed for to be return to MoE	(2,29,84,798.66)	22984798.66
<b>Total available during the year TOTAL (C)</b>		<b>72,61,53,246.24</b>	<b>76,92,41,544.72</b>
Less:	Refunds	147.00	-
Less:	Utilized for Revenue Expenditure	86,00,83,019.67	82,73,03,499.82
<b>TOTAL (D)</b>		<b>86,00,83,166.67</b>	<b>82,73,03,499.82</b>
<b>Unutilised Grant in Aid Carried forward (C-D)</b>		<b>(13,39,29,920.43)</b>	<b>(5,80,61,955.10)</b>



# Indian Institute of Technology Bhubaneswar

## SCHEDULE-4: (Fixed Assets - Consolidated Data)

(Amount in ₹)

Description	Gross Block (Closing Balance as on 31.03.2022)	Depreciation for FY 2021-22	Total Depreciation upto 31-03-2022	Net Block (Closing Balance as on 31.03.22)
<b>(A) Tangible Assets</b>				
Schedule 4 (Institute Main)	8,67,21,64,900.47	26,84,66,090.00	1,69,97,81,511.08	5,51,71,34,406.38
Schedule 4D (i)(Hostel)	78,32,908.00	5,66,227.95	21,48,353.50	56,84,554.51
Schedule 4D (ii) (R&D/SRIC)	38,17,81,835.73	-	-	38,17,81,835.73
Schedule 4D (iii) (Student Gymkhana)	17,09,014.00	1,60,058.00	3,69,588.00	12,05,666.00
Schedule 4D (iv) (Guest House)	69,344.00	4,818.30	11,881.30	42,927.70
Depreciation/Asset Rounding Off (E)	-	-	(3.10)	3.10
<b>TOTAL (A)</b>	<b>9,06,35,58,002.20</b>	<b>26,91,97,194.25</b>	<b>1,70,23,11,330.78</b>	<b>5,90,58,49,393.42</b>
<b>(B) Intangible Assets</b>				
Schedule 4 (Institute Main)	55,28,86,533.35	6,35,00,690.09	49,78,33,074.28	5,53,71,813.16
Schedule 4D (i)(Hostel)	-	-	-	-
Schedule 4D (ii) (R&D/SRIC)	-	-	-	-
Schedule 4D (iii) (Student Gymkhana)	-	-	-	-
Schedule 4D (iv) (Guest House)	-	-	-	-
<b>TOTAL (B)</b>	<b>55,28,86,533.35</b>	<b>6,35,00,690.09</b>	<b>49,78,33,074.28</b>	<b>5,53,71,813.16</b>
<b>(C) Capital Work-In-Progress &amp; Asset In Transit</b>				
Schedule 4 (Institute Main)	3,35,32,80,797.76	-	-	3,31,28,38,723.92
Schedule 4D (i)(Hostel)	-	-	-	-
Schedule 4D (ii) (R&D/SRIC)	-	-	-	-
Schedule 4D (iii) (Student Gymkhana)	-	-	-	-
Schedule 4D (iv) (Guest House)	-	-	-	-
<b>TOTAL (C)</b>	<b>3,35,32,80,797.76</b>	<b>-</b>	<b>-</b>	<b>3,31,28,38,723.92</b>
<b>GRAND TOTAL (A+B+C)</b>	<b>12,96,97,25,333.31</b>	<b>33,26,97,884.34</b>	<b>2,20,01,44,405.06</b>	<b>9,27,40,59,930.50</b>

# Indian Institute of Technology Bhubaneswar

## SCHEDULE-4: FIXED ASSETS (Institute Main), Property, Plant & Equipment

DESCRIPTION	GROSS BLOCK			Rate (%)	DEPRECIATION			NET BLOCK		
	Opening Balance as on 01-04-2021	Additions during the year 2021-22	Deductions during the year 2021-22		Closing Balance as on 31-03-2022	Depreciation on Opening Value of Fixed Assets as on 01-04-2021	Depreciation on Additions during the Year 2021-22	Depreciation on Depreciation during the Year 2021-22	Total Depreciation As on 31-03-2022	As on 31-03-2022
<b>A. FIXED ASSETS</b>										
1 Land	90,03,710.00	-	-	90,03,710.00	0%	-	-	-	90,03,710.00	90,03,710.00
2 Site Development	-	-	-	-	-	-	-	-	-	-
3 Buildings	1,34,74,95,208.00	-	-	1,34,74,95,208.00	2%	8,46,57,807.16	-	2,69,49,904.00	11,16,07,711.16	1,23,58,87,496.84
a) On Freehold Land	9,74,552.00	-	-	9,74,552.00	2%	97,455.04	-	19,491.00	1,16,946.04	8,57,605.96
b) On leasehold Land	-	-	-	-	2%	-	-	-	-	-
c) Ownership Flats/ Premises	-	-	-	-	2%	-	-	-	-	-
d) Boys & Girls Hostel	92,57,38,156.00	37,40,98,446.00	-	1,29,98,36,602.00	2%	3,70,29,526.12	92,90,873.00	2,78,05,636.00	6,48,35,162.12	1,23,50,01,439.88
e) Work shop Building	6,84,22,240.00	-	-	6,84,22,240.00	2%	2,53,42,548.80	-	13,68,445.00	2,67,10,993.80	4,17,11,246.20
f) Boundary Wall	8,20,00,828.00	2,21,23,871.00	-	10,41,24,699.00	2%	1,54,66,769.51	4,42,477.00	20,82,894.00	1,75,49,263.51	8,65,75,435.49
g) Badminton/volley Ball Court	16,18,050.00	-	-	16,18,050.00	2%	1,77,161.68	-	32,361.00	2,09,522.68	14,08,527.32
h) Faculty & Staff Quarter Building	47,40,29,579.00	1,05,88,07,100.00	-	1,53,28,36,679.00	2%	4,59,21,199.58	2,11,76,142.00	3,06,56,734.00	7,65,77,933.58	1,45,62,58,745.42
i) Lab Complex Argul	-	-	-	-	2%	-	-	-	-	-
j) Single seater boys hostel	56,38,88,236.00	-	-	56,38,88,236.00	2%	6,76,66,149.44	-	1,12,77,765.00	7,89,43,914.44	48,49,44,321.56
k) Single seater girls hostel	19,22,61,742.00	-	-	19,22,61,742.00	2%	2,30,71,409.68	-	38,45,235.00	2,69,16,644.68	16,53,45,097.32
l) Shopping center, community center and guest house	15,37,23,471.00	-	-	15,37,23,471.00	2%	1,84,37,990.86	-	30,74,469.00	2,15,12,459.86	13,22,11,011.14
m) Staff quarters Grade - C	13,74,28,091.00	-	-	13,74,28,091.00	2%	1,64,91,371.64	-	27,48,562.00	1,92,39,933.64	11,81,86,157.36
n) First year lab campus	16,51,54,014.00	-	-	16,51,54,014.00	2%	1,98,18,480.36	-	33,03,080.00	2,31,21,560.36	14,20,32,453.64
o) School Building	1,14,84,75,670.00	17,32,87,533.00	-	1,32,17,63,203.00	2%	11,48,28,866.40	34,65,751.00	2,64,35,264.00	14,12,64,130.40	1,18,04,99,072.60
p) Administrative Building	-	-	-	-	2%	-	-	-	-	-
4 Roads & Bridges	-	-	-	-	2%	-	-	-	-	-
5 Tubewells & Water Supply	23,98,879.00	-	-	23,98,879.00	2%	1,91,912.00	-	47,978.00	2,39,890.00	21,58,989.00
6 Sewerage & Drainage	12,48,57,600	1,62,12,562.00	-	1,74,61,138.00	2%	49,943.52	3,24,251.00	3,49,223.00	3,99,166.52	1,70,61,971.48
7 Electrical installation and equipment	9,20,51,507.00	1,82,73,705.00	-	11,03,25,212.00	5%	4,32,68,724.95	9,113,685.00	42,73,423.00	4,75,42,147.95	6,27,83,064.05
8 Plant & Machinery	-	12,77,621.00	-	12,77,621.00	5%	-	63,881.00	63,881.00	63,881.00	12,13,740.00
9 Scientific & Laboratory Equipment	1,20,99,45,855.69	4,30,51,370.01	-	1,25,29,97,225.70	8.0%	65,17,86,489.48	37,23,728.00	10,05,19,397.00	75,23,05,886.48	50,06,91,339.22

# Indian Institute of Technology Bhubaneswar

## SCHEDULE-4: FIXED ASSETS (Institute Main), Property, Plant & Equipment (Contd...)

DESCRIPTION	GROSS BLOCK				Rate (%)	DEPRECIATION				NET BLOCK		
	Opening Balance as on 01-04-2021	Additions during the year 2021-22	Deductions during the year 2021-22	Closing Balance as on 31-03-2022		Depreciation Opening Balance (As on 01-04-2021)	Adjustment on prov of Dept on Sale/ Gift of Fixed assets	Depreciation on Opening Value of Fixed Assets as on 01-04-2021	Depreciation on Additions during the Year 2021-22	Total Dept for the Year 2021-22	Total Depreciation As on 31-03-2022	As on 31-03-2022
10 Office Equipmnet	180.09,392.45	1,77,231.00	-	1,81,86,623.45	7.5%	1,17,60,818.44	-	13,50,709.00	13,292.00	13,64,001.00	50,61,804.01	62,48,574.01
11 Audio Visual Equipment	-	-	-	-	7.5%	-	-	-	-	-	-	-
12 Computer & Peripherals	17,17,34,090.86	35,65,574.00	-	17,52,99,664.86	20%	15,43,89,040.42	-	57,84,684.00	7,13,115.00	64,97,799.00	1,44,12,825.44	1,73,45,050.44
13 Furniture, Fixtures & Fittings	12,90,91,504.51	1,21,50,206.00	-	14,12,41,710.51	7.5%	6,51,93,208.32	-	96,81,863.00	9,11,267.00	1,05,93,130.00	6,54,55,372.19	6,38,98,296.19
14 Security Cabin	4,92,000.00	-	-	4,92,000.00	7.5%	2,16,150.00	-	36,900.00	-	36,900.00	2,38,950.00	2,75,850.00
15 Vehicles	27,45,228.00	-	-	27,45,228.00	10%	14,02,103.80	-	2,74,523.00	-	2,74,523.00	16,76,626.80	13,43,124.20
16 Library Books	4,52,69,925.95	4,48,859.00	-	4,57,18,784.95	10%	3,20,47,042.43	-	45,26,993.00	44,886.00	45,71,879.00	90,99,863.52	1,32,22,888.52
17 Other Fixed Assets (Small Value)	52,49,321.00	2,40,995.00	-	54,90,316.00	5%	20,03,251.45	-	2,62,466.00	12,050.00	2,74,516.00	32,12,548.55	32,46,069.55
<b>TOTAL (A)</b>	<b>6,94,84,49,827.46</b>	<b>1,72,37,15,073.01</b>	<b>-</b>	<b>8,67,21,64,900.47</b>		<b>1,43,13,15,421.08</b>	<b>-</b>	<b>22,73,70,692.00</b>	<b>4,10,95,398.00</b>	<b>26,84,66,090.00</b>	<b>6,97,23,83,389.39</b>	<b>5,51,71,34,406.38</b>
18 Capital Work In Progress	3,30,36,89,204.00	1,69,40,38,725.00	1,66,08,39,903.00	3,33,68,88,026.00		-	-	-	-	-	3,33,68,88,026.00	3,30,36,89,204.00
Asset-In-Transit	91,49,519.92	2,28,77,875.95	1,56,34,624.11	1,63,92,771.76		-	-	-	-	-	1,63,92,771.76	91,49,519.92
<b>TOTAL (B)</b>	<b>3,31,28,38,723.92</b>	<b>1,71,69,16,600.95</b>	<b>1,67,64,74,527.11</b>	<b>3,35,32,86,797.76</b>							<b>3,35,32,86,797.76</b>	<b>3,31,28,38,723.92</b>
19 Computer Networking	5,72,95,968.35	42,97,053.43	-	6,15,93,021.78	20%	4,93,94,322.38	-	39,14,029.00	8,59,411.00	47,73,440.00	74,25,259.40	79,01,645.97
20 Computer Software	10,25,22,225.53	24,21,824.00	-	10,49,44,049.53	40%	9,72,46,910.87	-	36,25,045.92	9,68,730.00	45,93,775.92	31,03,363.04	52,75,314.66
21 Web Designing	11,34,888.00	-	-	11,34,888.00	40%	11,34,888.00	-	-	-	-	11,34,888.00	-
22 E-Journals	32,84,36,555.47	5,64,63,458.57	-	38,49,00,014.04	40%	28,63,43,379.14	-	3,15,13,489.17	2,25,85,383.00	5,40,98,872.17	4,44,57,762.79	4,20,93,176.33
23 Patent & Copyrights	3,14,560.00	-	-	3,14,560.00	11%	2,12,884.10	-	34,602.00	-	34,602.00	67,073.90	1,01,675.90
<b>TOTAL (C)</b>	<b>48,97,04,197.35</b>	<b>6,31,82,336.00</b>	<b>-</b>	<b>55,28,86,533.35</b>		<b>43,43,32,384.19</b>	<b>-</b>	<b>3,90,87,166.09</b>	<b>2,44,13,524.00</b>	<b>4,97,83,074.28</b>	<b>5,50,53,459.07</b>	<b>5,53,71,813.16</b>
Round up adjustment	-	-	-	-		-3.10	-	-	-	-	-3.10	-
<b>GRAND TOTAL (A + B + C)</b>	<b>10,75,09,92,748.73</b>	<b>3,50,38,14,009.96</b>	<b>1,67,64,74,527.11</b>	<b>12,57,83,32,231.58</b>		<b>1,86,56,47,802.17</b>	<b>-</b>	<b>26,64,57,858.09</b>	<b>6,55,08,922.00</b>	<b>33,19,66,780.09</b>	<b>10,38,07,17,646.22</b>	<b>8,88,53,44,943.46</b>

# Indian Institute of Technology Bhubaneswar

## SCHEDULE-4 C: Intangible Assets (Institute Main)

Description	GROSS BLOCK			Rate (%)	DEPRECIATION			NET BLOCK				
	Opening Balance as on 01-04-2021	Additions during the year 2021-22	Deductions during the year 2021-22		Closing Balance as on 31-03-2022	Depreciation Opening Balance (As on 01-04-2021)	Adjustment on prov of Dept on Sale/ Gift of Fixed assets	Depreciation on Opening Value of Fixed Assets as on 01-04-2021	Depreciation on Additions during the Year 2021-22	Total Depreciation As on 31-03-2022	As on 31-03-2022	As at the Previous year 2020-21
1 Computer Networking	5,72,95,968.35	42,97,053.43	-	6,15,93,021.78	20%	4,93,94,322.38	-	39,14,029.00	8,59,411.00	47,73,440.00	74,25,259.40	79,01,645.97
2 Computer Software	10,25,22,225.53	24,21,824.00	-	10,49,44,049.53	40%	9,72,46,910.87	-	36,25,045.92	9,68,730.00	45,93,775.92	31,03,362.74	52,75,314.66
3 Web Designing	11,34,888.00	-	-	11,34,888.00	40%	11,34,888.00	-	-	-	-	11,34,888.00	-
4 E-Journals	32,84,36,555.47	5,64,63,458.57	-	38,49,00,014.04	40%	28,63,43,379.14	-	3,15,13,489.17	2,25,85,383.00	5,40,98,872.17	4,44,57,762.73	4,20,93,174.80
5 Patent & Copyrights	3,14,560.00	-	-	3,14,560.00	11%	2,12,884.10	-	34,602.00	-	34,602.00	67,073.90	1,01,675.90
<b>TOTAL</b>	<b>48,97,04,197.35</b>	<b>6,31,82,336.00</b>	<b>-</b>	<b>55,28,86,533.35</b>		<b>43,43,32,384.49</b>	<b>-</b>	<b>3,90,87,166.09</b>	<b>2,44,13,524.00</b>	<b>4,97,83,074.57</b>	<b>5,50,53,458.78</b>	<b>5,53,71,811.34</b>

## SCHEDULE-4 C (i): Patents and Copyrights (Institute Main)

Particulars	GROSS BLOCK			NET BLOCK	
	Opening Balance 01.04.21	Additions during the year	Gross	Net Block 2021-22	Net Block 2020-21
<b>A. Patent &amp; Copyright</b>					
1 Balance as on 31.03.2014 of patents obtained in 2008-09	-	-	-	-	-
2 Balance as on 31.03.2014 of patents obtained in 2010-11	-	-	-	-	-
3 Balance as on 31.03.2014 of patents obtained in 2012-13	-	-	-	-	-
4 Patents granted during the current year	3,14,560.00	-	3,14,560.00	1,36,277.90	1,36,277.90
<b>TOTAL (A)</b>	<b>3,14,560.00</b>	<b>-</b>	<b>3,14,560.00</b>	<b>1,36,277.90</b>	<b>1,36,277.90</b>
<b>Particulars</b>					
<b>B Patents Pending in respect of patents applied for</b>					
1 Expenditure incurred during 2009-10 to 2011-12	-	-	-	-	-
2 Expenditure incurred during 2012-13	-	-	-	-	-
3 Expenditure incurred during 2013-14	-	-	-	-	-
4 Expenditure incurred during 2014-15	-	-	-	-	-
<b>TOTAL (B)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>GRAND TOTAL (A + B)</b>	<b>3,14,560.00</b>	<b>-</b>	<b>3,14,560.00</b>	<b>1,36,277.90</b>	<b>1,36,277.90</b>

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## SCHEDULE-4D(i): Fixed Assets Hostel

DESCRIPTION	GROSS BLOCK			Rate (%)	DEPRECIATION			NET BLOCK		
	Opening Balance as on 01-04-2021	Additions during the year 2021-22	Deductions during the year 2021-22		Closing Balance as on 31.03.22	Depreciation on Opening Value of Fixed Assets as on 01-04-2021	Depreciation on Additions during the Year 2021-22	Total Depreciation As on 31-03-2022	As on 31-03-2022	As at the Previous year 2020-21
<b>A. FIXED ASSETS Hostel</b>										
1 Furniture & Fixtures	34,78,490.00	1,64,537.00	-	36,43,027.00	7.5%	2,60,886.75	12,340.28	8,89,438.50	27,53,588.51	28,62,278.53
2 Office Equipment	3,05,347.00	14,000.00	-	3,19,347.00	7.5%	22,901.03	1,050.00	1,65,733.07	1,53,613.93	1,63,564.96
3 Electrical Installations	18,88,805.00	1,77,801.00	-	20,66,606.00	5%	4,54,468.20	8,890.05	5,57,798.50	15,08,807.50	14,34,336.80
4 Other Fixed Assets	7,91,180.00	7,69,348.00	-	15,60,528.00	7.5%	2,16,603.83	57,701.10	3,33,643.43	12,26,884.57	5,74,576.17
5 Computer & Peripherals	2,19,100.00	24,300.00	-	2,43,400.00	20%	1,53,060.00	4,860.00	2,01,740.00	41,660.00	66,040.00
<b>TOTAL</b>	<b>66,82,922.00</b>	<b>11,49,986.00</b>	<b>-</b>	<b>78,32,908.00</b>	<b>0.48</b>	<b>15,82,125.55</b>	<b>84,841.43</b>	<b>21,48,353.50</b>	<b>56,84,554.51</b>	<b>51,00,796.46</b>

## SCHEDULE-4D(ii): Fixed Assets R&D/ SRIC

DESCRIPTION	GROSS BLOCK			Rate (%)	DEPRECIATION			NET BLOCK		
	Opening Balance as on 01-04-2021	Additions during the year 2021-22	Deductions during the year 2021-22		Closing Balance as on 31.03.22	Depreciation on Opening Value of Fixed Assets as on 01-04-2021	Depreciation on Additions during the Year 2021-22	Total Depreciation As on 31-03-2022	As on 31-03-2022	As at the Previous year 2020-21
<b>A. FIXED ASSETS SRIC/R&amp;D</b>										
1 Plant Machinery & Equipments	29,67,11,911.27	3,58,34,261.00	-	33,25,46,172.27	-	-	-	33,25,46,172.27	29,67,11,911.27	
2 Furniture & Fixtures	27,92,054.00	3,88,909.00	-	31,80,963.00	-	-	-	31,80,963.00	27,92,054.00	
3 Office Equipments	3,58,044.00	-	-	3,58,044.00	-	-	-	3,58,044.00	3,58,044.00	
4 Computer Peripheral / Softwares	3,67,63,992.46	89,32,664.00	-	4,56,96,656.46	-	-	-	4,56,96,656.46	3,67,63,992.46	
5 Asset in Transit	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>33,66,26,001.73</b>	<b>4,51,55,834.00</b>	<b>-</b>	<b>38,17,81,835.73</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>38,17,81,835.73</b>	<b>33,66,26,001.73</b>	<b>-</b>

# Indian Institute of Technology Bhubaneswar

## SCHEDULE-4D(iii): Fixed Assets Student Gymkhana

DESCRIPTION	GROSS BLOCK			Rate (%)	DEPRECIATION			NET BLOCK		
	Opening Balance as on 01-04-2021	Additions during the year 2021-22	Deductions during the year 2021-22		Closing Balance as on 31.03.22	Depreciation on Opening Value of Fixed Assets as on 01-04-2021	Depreciation on Additions during the Year 2021-22	Total Depreciation As on 31-03-2022	As on 31-03-2022	As at the Previous year 2020-21
<b>A. FIXED ASSETS Hostel Student Gymkhana</b>										
1 Audio Visual Equipment	49,044.00	-	-	49,044.00	7.5%	3,678.00	-	18,390.00	30,654.00	34,332.00
2 Computer Peripheral	94,454.00	1,88,760.00	-	2,83,214.00	20%	18,890.00	37,752.00	1,32,206.00	1,51,008.00	18,890.00
3 Furniture & Fixture	1,32,507.00	67,500.00	-	2,00,007.00	7.5%	35,158.00	5,063.00	50,159.00	1,49,848.00	97,349.00
4 Gym & Sports Equipment	2,00,708.00	5,64,000.00	-	7,64,708.00	7.5%	60,212.00	42,300.00	1,17,565.00	6,47,143.00	1,40,496.00
5 Musical Instruments	79,607.00	1,91,634.00	-	2,71,241.00	7.5%	23,884.00	14,373.00	44,228.00	2,27,013.00	55,723.00
6 Electrical Equipment	-	1,40,800.00	-	1,40,800.00	5%	-	7,040.00	-	1,40,800.00	-
<b>TOTAL</b>	<b>5,56,320.00</b>	<b>11,52,694.00</b>	<b>-</b>	<b>17,09,014.00</b>	<b>0.55</b>	<b>2,09,530.00</b>	<b>1,06,528.00</b>	<b>3,69,588.00</b>	<b>12,05,666.00</b>	<b>3,46,790.00</b>

## SCHEDULE-4D(iv): Fixed Assets Guest House

DESCRIPTION	GROSS BLOCK			Rate (%)	DEPRECIATION			NET BLOCK		
	Opening Balance as on 01-04-2021	Additions during the year 2021-22	Deductions during the year 2021-22		Closing Balance as on 31.03.22	Depreciation on Opening Value of Fixed Assets as on 01-04-2021	Depreciation on Additions during the Year 2021-22	Total Depreciation As on 31-03-2022	As on 31-03-2022	As at the Previous year 2020-21
<b>A. FIXED ASSETS Guest House</b>										
1 Furniture & Fixture	20,060.00	-	-	20,060.00	7.5%	1,504.50	-	6,019.50	14,040.50	15,545.00
2 Audio Visual Eqp	33,984.00	-	-	33,984.00	7.5%	2,548.80	-	5,096.80	28,887.20	31,436.00
3 Electrical Equipment	-	15,300.00	-	15,300.00	5%	-	765.00	765.00	-	-
<b>TOTAL</b>	<b>54,044.00</b>	<b>15,300.00</b>	<b>-</b>	<b>69,344.00</b>	<b>0.20</b>	<b>4,053.30</b>	<b>765.00</b>	<b>11,881.30</b>	<b>42,927.70</b>	<b>46,981.00</b>

# Indian Institute of Technology Bhubaneswar

## SCHEDULE-4D(v): Fixed Assets MGM Endowment

DESCRIPTION	GROSS BLOCK			Rate (%)	DEPRECIATION			NET BLOCK	
	Opening Balance as on 01-04-2021	Additions during the year 2021-22	Deductions during the year 2021-22		Closing Balance as on 31-03-22	Depreciation on Opening Value of Fixed Assets as on 01-04-2021	Depreciation on Additions during the Year 2021-22	Depreciation on Deductions during the Year 2021-22	As on 31-03-2022
<b>A. FIXED ASSETS MGM Endowment</b>									
1. Office Equipment	33,300.00	-	-	33,300.00	0%	-	-	33,300.00	33,300.00
2. Electrical Installations	1,02,049.00	-	-	1,02,049.00	0%	-	-	1,02,049.00	1,02,049.00
3. Computer Peripheral	68,920.00	-	-	68,920.00	0%	-	-	68,920.00	68,920.00
4. Electrical Installations	1,26,300.00	-	-	1,26,300.00	0%	-	-	1,26,300.00	1,26,300.00
<b>TOTAL</b>	<b>3,30,569.00</b>	<b>-</b>	<b>-</b>	<b>3,30,569.00</b>		<b>-</b>	<b>-</b>	<b>3,30,569.00</b>	<b>3,30,569.00</b>

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## SCHEDULE-5: Investment from Earmarked/Endowment Funds

(Amount in ₹)

Particulars	Current Year 2021-22	Previous Year 2020-21
1. In Central Government Securities	-	-
2. In State Government Securities	-	-
3. Other Approved Securities	-	-
4. Shares	-	-
5. Debentures and Bonds	-	-
6. Others-Term Deposit with Bank	9,57,25,967.97	9,11,09,984.62
<b>TOTAL</b>	<b>9,57,25,967.97</b>	<b>9,11,09,984.62</b>

## SCHEDULE-5A: Investment from Earmarked/Endowment Funds

(Amount in ₹)

Particulars	Current Year 2021-22	Previous Year 2020-21
1. MGM Endowment Fund	4,69,52,337.93	4,70,21,811.05
2. Best B. Tech thesis in Electrical & Mechanical Science (MGM Fund Tejwasi & Dinesh award)	5,95,637.00	5,66,540.94
3. Best out going student (Fund T. V. Mohandas Pai)	14,90,962.00	14,15,959.44
4. B K Dey memorial award of most innovative project (Fund Piyali De)	23,19,062.04	22,07,831.94
5. S K BET Endowment fund	4,42,02,357.00	3,97,40,568.00
6. Abhijit Gangopadhaya Endowment fund	1,65,612.00	1,57,273.25
<b>TOTAL</b>	<b>9,57,25,967.97</b>	<b>9,11,09,984.62</b>

## SCHEDULE-6: Investments-Others

(Amount in ₹)

Particulars	Current Year 2021-22	Previous Year 2020-21
1. In Central Government Securities		
2. In State Government Securities		
3. Other Approved Securities		
4. Shares		
5. Debentures and Bonds		
6. Others		
Corpus Fund	1,65,63,59,164.15	1,31,95,29,432.46
Student Brotherhood Fund (SBF)	69,41,830.00	61,16,223.30
<b>TOTAL</b>	<b>1,66,33,00,994.15</b>	<b>1,32,56,45,655.76</b>

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-7 : Current Assets

(Amount in ₹)

Particulars	Current Year 2021-22	Previous Year 2020-21
<b>1. Stock</b>		
a) Stores & Spares	-	-
b) Loose Tools	-	-
c) Publications	-	-
d) Laboratory Chemicals, consumables and glassware	-	-
e) Building Material	-	-
f) Electrical Material	-	-
g) Stationary	-	-
h) Water supply material	-	-
<b>2. Sundry Debtors</b>		
a) Debts outstanding for a period exceeding six months	-	-
b) Others	-	-
<b>3. Cash and Bank Balance</b>		
<b>a) With Scheduled Banks:</b>		
-In Current Accounts	-	-
-In Term Deposit Accounts	56,13,64,149.89	77,22,65,573.56
-In Savings Accounts (Details as per Annexure II)	21,62,57,516.41	15,38,64,635.18
<b>b) With non-scheduled Banks:</b>		
-In Term Deposit Accounts	-	-
-In Savings Accounts	-	-
<b>4. Post Office savings Accounts</b>	-	-
<b>TOTAL</b>	<b>77,76,21,666.30</b>	<b>92,61,30,208.74</b>

## Indian Institute of Technology Bhubaneswar

### ANNEXURE-II : Details of Balance in Bank Account as on 31-03-2022

(Amount in ₹)

Sl.	SB Account Name	SB Account Number	Current Year 2021-22	Previous Year 2020-21
1.	Canara (Syndicate) Bank- CEP A/C	24282010001960	1,98,751.73	1,36,047.00
2.	Canara (Syndicate) Bank- Hostel A/c	80072200011951	2,62,34,780.73	3,58,07,173.99
3.	Canara (Syndicate) Bank- Main A/c	80072160000018	4,20,50,734.00	2,17,46,372.83
4.	Canara (Syndicate) Bank- Gymkhana A/c	80072010034135	49,47,197.70	29,58,049.70
5.	Axis Bank A/c	912020013584849	7,03,144.84	2,11,123.82
6.	S B I- Institute Main A/c	30824066553	62,23,978.60	22,47,852.02
7.	ICICI Bank A/c	006101055198	29,219.00	70,115.80
8.	Canara Bank- Escro A/c 3	3673101007607	10,32,69,427.00	3,44,09,012.00
9.	Canara (Syndicate) Bank- Corpus Fund A/c	24282160000031	(4,686.65)	2,02,219.00
10.	ICICI Bank A/c	198501000430	5,17,318.46	6,53,543.00
11.	Canara (Syndicate) Bank- Endowment Fund A/c	80072010035590	4,23,557.36	1,496.88
12.	Canara Bank- Escro A/c 2	72822610000263	2,84,039.77	2,74,337.77
13.	ICICI Bank A/c	006101058683	2,16,027.00	2,09,667.00
14.	Canara (Syndicate) Bank- NSS IIT A/c	72822200000634	3,17,994.59	2,68,449.59
15.	S B I- Guest House A/c	36976372905	63,393.11	46,867.53
16.	S B I- Fee receivable A/c	379905000647	1,39,892.00	1,08,396.00
17.	Canara (Syndicate) Bank A/c -	24282160000027	12,529.23	12,173.23
18.	S B I- Endowment Fund A/c	33547594939	866.08	813.08
19.	Canara Bank- Escro A/c 4	3673101007608	7,426.00	4,042.00
20.	SBI JEE	4049692101	10,136.00	-
21.	Canara Bank- NSS IIT A/c	72822200000649	50,931.00	-
22.	Canara (Syndicate) Bank- SRIC- A/c	80072160000022	15,66,539.29	-3,38,921.00
23.	S B I- Project A/c	20054905156	1,79,01,957.87	4,08,64,101.24
24.	S B I- A/c	38605214766	1,10,50,144.70	1,44,89,836.70
25.	S B I - CENEMA A/c	35052867155	42,217.00	-5,18,134.00
	<b>TOTAL</b>		<b>21,62,57,516.41</b>	<b>15,38,64,635.18</b>

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-8 : Loans, Advances & Deposits

(Amount in ₹)

Particulars	Current Year 2021-22	Previous Year 2020-21
<b>A. Advance to employees: (Non-interest bearing)</b>		
1 Salary	-	-
2 Festival Advance	-	-
3 LTC Advance	2,20,200.00	79,105.00
4 Medical Advance	-	-
5 Other Advances		
Advance to Student	-	-
General Advance (Contingent)	5,000.00	1,95,925.00
Imprest Advances	34,798.00	1,59,381.00
PDA Advance	-	2,09,475.00
TA Advance	-	-
Soft Loan	-	89,314.00
Advance - President Student Gymkhana	-	2,10,974.00
Advance to Alma Fiesta, JEE & Wissenaire	2,00,000.00	2,00,000.00
Advance - S K BET	25,000.00	25,000.00
In House Project Grant	2,22,27,507.00	2,22,27,507.00
Faculty Development Fund	15,000.00	15,000.00
Guest House CA	1,31,502.00	1,20,847.00
<b>B. Long Term Advance to employees:(Interest bearing)</b>		
1 Vehicle Loan	-	-
2 Home Loan	-	-
3 Others (to be specified)	-	-
<b>C. Advances and other amounts recoverable in cash or in kind or for value to be received</b>		
1 On Capital Account	9,16,840.00	12,05,491.41
2 to suppliers	-	-
3 Others current Assets	65,12,792.25	23,16,264.35
4 Tax deducted at Scorce (TDS)	8,38,822.00	1,41,56,486.00
5 Endowment Centre, R & D (TDS), Hostel & CEP (TDS)	65,70,516.00	65,38,068.00
<b>D. Prepaid Expenses</b>		
1 Insurance (Student)	17,41,696.00	13,89,666.00
2 Other Expenses		
i) Prepaid AMC Charges	-	-
ii) Prepaid E-Subscription Charges	3,91,23,965.00	3,72,35,277.00
<b>E. Deposits</b>		
1 Telephone	2,40,404.00	2,40,404.00

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-8 : Loans, Advances & Deposits (Contd...)

(Amount in ₹)

Particulars	Current Year 2021-22	Previous Year 2020-21
2 Lease Rent	60,000.00	60,000.00
3 Electricity	62,64,330.00	62,64,330.00
4 HP Gas	11,550.00	11,550.00
<b>5 Other deposits</b>		
i) Department of Post	15,000.00	15,000.00
ii) Special Gas & Equipment Pvt Ltd	64,000.00	64,000.00
<b>F. Income Accrued</b>		
1 On investments from Earmarked/Endowment funds	-	-
2 On investments- others (Term Deposit)	-	-
3 On Loans and advances (on Securities)	1,88,109.00	2,36,874.00
4 Others(includes income due unrealized)	-	-
<b>G. Other -Current assets receivable from UGC/sponsored projects receivable</b>		
<b>1 Debit balances in Sponsored Projects</b>		
i) CSIR Project Grant	1,44,619.00	1,44,619.00
<b>2 Debit balances in Sponsored Fellowship &amp; Scholarship</b>		
i) UGC JRF Fellowship	3,55,528.00	3,55,528.00
ii) Receivable from R&D towards overhead for Corpus Fund & Other	1,47,45,471.60	1,75,57,764.13
iii) Fellowship Inspired (DST)	36,000.00	36,000.00
iv) DST Inspire Fellowship	4,31,342.00	4,31,342.00
v) CSIR JRF Fellowship	3,50,922.00	3,50,922.00
vi) Receivable - Electricity Collection	16,98,099.00	16,98,099.00
vii) Receivable - JAM Fee Joint M SC PhD	4,37,000.00	4,37,000.00
viii)Receivable from CEP	13,93,009.03	9,72,031.03
3 i) Receivable from MOE	13,39,29,920.43	5,80,61,955.10
ii) Receivable from MOE - HEFA Loan Interest	2,35,11,299.00	69,70,769.00
<b>4 Others receivable</b>		
i) SRIC/ R&D IIT Bhubaneswar	44,95,64,568.69	37,42,08,827.95
ii) SRIC/ R&D Project fund	2,438.00	2,438.00
iii) SRIC/ R&D Current Assets	36,03,492.89	36,03,492.89
iv) CEP Current Assets	2,89,340.00	25,270.00
v) Hostel Current Assets	9,73,60,216.00	7,76,80,428.00
vi) Gymkhana Current Assets	55,14,618.00	-
vii) Guest huose receivable	4,05,289.00	-
<b>H. Claims Receivable</b>		
	-	-
<b>TOTAL</b>	<b>81,91,80,203.90</b>	<b>63,58,02,424.86</b>

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-9 : Academic Receipts

(Amount in ₹)

Particulars	Current Year 2021-22	Previous Year 2020-21
<b>FEE FROM STUDENTS</b>		
<b>Academic</b>		
1. Tuition fee	25,64,39,662.00	20,93,78,742.00
2. Admission Fees	1,84,300.00	1,73,000.00
3. Enrolment Fee (One Time fee)	34,81,650.00	33,71,000.00
4. Library Admission fee	4,60,750.00	4,32,824.00
5. Laboratory fee	41,29,750.00	36,49,750.00
6. Art & Craft fee	-	-
7. Registration fee	10,62,500.00	9,44,300.00
8. Syllabus fee	-	-
<b>Total (A)</b>	<b>26,57,58,612.00</b>	<b>21,79,49,616.00</b>
<b>Examinations</b>		
1. Admission test fee	-	-
2. Annual Examination fee	26,56,250.00	23,61,352.00
3. Mark sheet, certificate fee	5,56,050.00	4,32,500.00
4. Supplementary Exam Fee	7,100.00	12,800.00
5. Thesis Examination Fee	27,550.00	15,200.00
6. Provisional Certificate Fees	1,84,300.00	1,93,050.00
<b>Total (B)</b>	<b>34,31,250.00</b>	<b>30,14,902.00</b>
<b>Others fees:</b>		
1. Identity card fee	92,550.00	86,600.00
2. Fine/Miscellaneous fee	-	-
i) Late Fees (Fine)	-	-
ii) Penalty Charges to Student	-	-
iii) Income From Library/ Fine	-	-
3. Medical fee/ Insurance Fee	49,96,301.50	53,58,754.00
4. Transportation fee	-	-
5. Hostel fee (seat rent)	14,73,500.00	12,89,000.00
6. Transcript fees	2,51,645.10	54,800.00
7. Educational verification Fees	-	-
8. Electricity & Water Charges Fees	44,20,500.00	38,67,000.00
9. Internet Connectivity Fees	14,73,500.00	12,89,000.00
10. Gymkhana Fees	-	54,71,625.00
11. Fee Subscriptions & other (Hostel) ANNEXURE - III	10,58,97,270.00	5,07,03,741.00

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-9 : Academic Receipts (Contd...)

(Amount in ₹)

Particulars	Current Year 2021-22	Previous Year 2020-21
12. Certificate Fees	-	-
13. Convocation Registration Fees	9,79,500.00	7,60,500.00
14. M Tech Seat Reservation Fees	1,60,000.00	2,00,000.00
15. Summer Quarter Registration Fees	-	-
16. Student Amenities	17,68,200.00	15,46,800.00
17. Career Development Fees	4,60,750.00	4,32,500.00
18. Other Fees	-	62,521.00
19. Educational verification Fees	-	1,65,990.00
<b>TOTAL (C)</b>	<b>12,19,73,716.60</b>	<b>7,12,88,831.00</b>
<b>Sale of Publications</b>		
1. Sale of Admission forms	-	-
2. Sale of syllabus and Question Paper, etc.	-	-
3. Sale of prospectus including admission forms	28,69,750.00	24,55,100.00
<b>TOTAL (D)</b>	<b>28,69,750.00</b>	<b>24,55,100.00</b>
<b>Other Academic Receipts</b>		
1. Registration fee for workshops, programmes	-	-
2. Registration fees(Academic Staff College)	-	-
<b>TOTAL (E)</b>	<b>-</b>	<b>-</b>
<b>F. Repayment of HEFA Loan</b>	<b>6,87,50,000.00</b>	<b>6,87,50,000.00</b>
<b>G. Transferred to Corpus Fund</b>	<b>21,93,86,058.60</b>	<b>17,52,54,708.00</b>
<b>GRAND TOTAL (A+B+C+D+E-F-G)</b>	<b>10,58,97,270.00</b>	<b>5,07,03,741.00</b>

# Indian Institute of Technology Bhubaneswar

## SCHEDULE-10: Grants / Subsidies (Irrevocable Grants Received)

(Amount in ₹)

Particulars	Non-Plan			Total Plan	Plan	Current Year Total 2021-22	Previous Year Total 2020-21
	Govt. of India	UGC					
		Plan	Specific Schemes				
<b>Balance B/F:</b>	-	-	-	-	-	-	9,21,56,746.06
<b>Add: Receipts During the Year</b>							
Grant-in-Aid for Recurring activities	-	-	-	-	80,72,00,000.00	80,72,00,000.00	65,41,00,000.00
Grant-in-Aid for payment of HEFA Loan Interest	-	-	-	-	5,16,29,822.00	5,16,29,822.00	1,67,89,119.00
Grant-in-Aid for payment of HEFA Loan Principal (Capital)	-	-	-	-	20,62,50,000.00	20,62,50,000.00	20,62,50,000.00
Internal Income (Interest) treated as additional/ adjustment of Grant	-	-	-	-	(2,29,84,798.66)	(2,29,84,798.66)	2,29,84,798.66
<b>TOTAL</b>	-	-	-	-	<b>1,04,20,95,023.34</b>	<b>1,04,20,95,023.34</b>	<b>99,22,80,663.72</b>
Less: Refund	-	-	-	-	147.00	147.00	-
<b>Balance</b>	-	-	-	-	<b>1,04,20,94,876.34</b>	<b>1,04,20,94,876.34</b>	<b>99,22,80,663.72</b>
Less: Utilised for repayment of HEFA loan Principal (Capital)	-	-	-	-	20,62,50,000.00	20,62,50,000.00	20,62,50,000.00
Less: Utilised for repayment of HEFA loan Interest (Capital)	-	-	-	-	5,16,29,822.00	5,16,29,822.00	1,67,89,119.00
<b>Balance</b>	-	-	-	-	<b>78,42,15,054.34</b>	<b>78,42,15,054.34</b>	<b>76,92,41,544.72</b>

# Indian Institute of Technology Bhubaneswar

## SCHEDULE-11 : Income From Investment

(Amount in ₹)

Particulars	Earmarked /Endowment Funds		Other Investments	
	Current Year 2021-22	Previous Year 2020-21	Current Year 2021-22	Previous Year 2020-21
<b>Investment from Earmarked/Endowment Fund</b>				
1. Interest				
a) On Govt. Securities	-	-	-	-
b) Other Bonds/Debentures	-	-	-	-
2. Interest on Term Deposits	56,59,812.47	69,66,484.20	9,41,51,971.74	4,77,75,856.91
3. Income accrued but not due on term deposits / Interest bearing advances to employees	-	-	-	-
4. Income on Savings bank accounts	2,861.00	99,372.93	6,660.00	6,773.15
5. Others (Specify)	-	-	-	-
<b>TOTAL</b>	<b>56,62,673.47</b>	<b>70,65,857.13</b>	<b>9,41,58,631.74</b>	<b>4,77,82,630.06</b>
<b>Transferred To Earmarked/ Endowment Funds</b>	<b>56,62,673.47</b>	<b>70,65,857.13</b>	<b>9,41,58,631.74</b>	<b>4,77,82,630.06</b>
<b>Balance</b>	-	-	-	-

## SCHEDULE-12 : Interest Earned

(Amount in ₹)

Particulars	Current Year 2021-22	Previous Year 2020-21
1. On Savings Accounts with schedule banks:		
a) With Scheduled Banks	12,90,959.00	12,75,286.39
b) With Non-Scheduled Banks	-	-
c) With Institutions	-	-
d) Others	1,56,177.00	4,27,599.25
<b>TOTAL (A)</b>	<b>14,47,136.00</b>	<b>17,02,885.64</b>
2. Term Deposit Accounts with schedule banks:		
a) With Scheduled Banks	1,87,42,046.29	2,85,83,681.27
b) With Scheduled Banks (Hostel A/c)	Annexure - III 11,35,290.00	7,77,456.77
c) With Non-Scheduled Banks	-	-
d) With Institutions	-	-
e) Others	59,71,540.00	42,55,111.00
<b>TOTAL (B)</b>	<b>2,58,48,876.29</b>	<b>3,36,16,249.04</b>
3. On Loans:		
a) Employees/Staff	-	33,226.00
b) Others (Intrest from Income Tax return)	1,85,604.00	1,80,591.00
<b>TOTAL (C)</b>	<b>1,85,604.00</b>	<b>2,13,817.00</b>
4. On Debtors and Other Receivables	1,88,109.00	2,36,874.00
<b>TOTAL (D)</b>	<b>1,88,109.00</b>	<b>2,36,874.00</b>
I. Transferred to Current Liabilities for refund to MOE	3,58,333.33	2,29,84,798.66
II. Transferred to Corpus Fund (F)	2,61,76,101.96	1,20,07,570.25
<b>GRAND TOTAL (A+B+C+D-E-F)</b>	<b>11,35,290.00</b>	<b>7,77,456.77</b>



## Indian Institute of Technology Bhubaneswar

### SCHEDULE-13 : Other Income

(Amount in ₹)

Particulars	Current Year 2021-22	Previous Year 2020-21
<b>A. Income from Land &amp; Building</b>		
1. Hostel Room Rent	-	-
2. License fee	12,70,581.00	12,15,933.00
3. Hire Charges of Auditorium/Play ground/Convention Centre, Shopping Complex, Car Rent etc	6,54,483.00	3,00,589.00
4. Electricity charges	-	-
5. Water charges recovered	80,513.00	81,020.00
6. Income from Guest House	12,48,784.00	9,44,090.10
<b>TOTAL (A)</b>	<b>32,54,361.00</b>	<b>25,41,632.10</b>
<b>B. Sale of Institute's Publications</b>	-	-
<b>TOTAL (B)</b>	-	-
<b>C. Income from holding events</b>		
1. Gross Receipts from annual function/ sports carnival	-	-
Less: Direct expenditure incurred on the annual function/ sports carnival	-	-
2. Gross Receipts from festes	-	-
Less: Direct expenditure incurred on the festes	-	-
3. Gross Receipts for educational tours	-	-
Less: Direct expenditure incurred on the tours	-	-
4. Others (to be specified and separately disclosed)	-	-
<b>TOTAL (C)</b>	-	-
<b>D. Others :</b>		
1. Income from User charges	7,700.00	18,900.00
2. RTI fees	80.00	100.00
3. Income from Royalty	-	-
4. Sale of application form (recruitment)	-	6,65,500.00
5. Misc. receipts (Sale of tender form, waste paper, Scarp etc.)	-	-
6. Profit on Sale/disposal of Assets:	-	-
a) Owned assets	-	-
b) Assets acquired out of grants, or received free of cost	-	-
7. Grants/Donations from Institutions, Welfare bodies and International Organizations	-	-

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-13 : Other Income (Contd...)

(Amount in ₹)

Particulars	Current Year 2021-22	Previous Year 2020-21
8. Others Auction Money	-	-
i. Recovery for absence - Joint M.Tech & Joint M.Sc.	-	29,583.00
ii. Tender Fee	1,854.00	14,630.00
iii. CEP Receipts	54,76,961.70	8,28,231.46
iv. Fine (Late fee & Library)	3,89,296.00	1,85,137.04
v. Liquidated Damages	26,57,431.94	51,57,815.21
vi. Misc. Income	4,10,508.40	9,898.50
vii. Penalty Charges to party/ Student	2,50,478.00	63,056.00
viii. Penal Intrest Collected	-	406.00
ix. Employee I-Card	-	-
x. Gymkhana Income	1,18,32,607.00	1,66,026.38
<b>TOTAL (D)</b>	<b>2,10,26,917.04</b>	<b>71,39,283.59</b>
<b>E. Transferred to Corpus Fund</b>	<b>57,22,925.34</b>	<b>77,42,567.75</b>
<b>GRAND TOTAL (A+B+C+D-E)</b>	<b>1,85,58,352.70</b>	<b>19,38,347.94</b>

### SCHEDULE-14 : Prior Period Income

(Amount in ₹)

Particulars	Current Year 2021-22	Previous Year 2020-21
1. Academic Receipts	-	-
2. Income from Investment	-	-
3. Interest Earned	-	-
4. Other Income	-	-
i) Corpus Fund	-	-
ii) Student Brotherhood Fund (SBF)	-	-
iii) Other Prior Period Income	(1,80,058.00)	(2,23,087.72)
<b>TOTAL (A)</b>	<b>(1,80,058.00)</b>	<b>(2,23,087.72)</b>
<b>B. Transferred to Corpus Fund</b>	<b>(1,80,058.00)</b>	<b>(2,23,087.72)</b>
<b>GRAND TOTAL (A-B)</b>	-	-

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-15 : Staff Payments & Benefits

(Amount in ₹)

Particulars	Current Year 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Plan	Non Plan	Total
1. Salaries and Wages	37,28,71,493.00	-	37,28,71,493.00	33,58,69,360.00	-	33,58,69,360.00
2. Allowances and Bonus	-	-	-	-	-	-
3. Contribution to Provident Fund	-	-	-	-	-	-
4. Contribution to Other Fund (NPS)	4,71,60,252.00	-	4,71,60,252.00	4,28,49,511.00	-	4,28,49,511.00
5. Staff Welfare Expenses	-	-	-	-	-	-
6. Retirement and Terminal Benefits	-	-	-	-	-	-
7. LTC facility	5,51,034.00	-	5,51,034.00	63,07,663.00	-	63,07,663.00
8. Medical facility	77,23,932.00	-	77,23,932.00	54,90,027.80	-	54,90,027.80
9. Children Education Allowance	40,70,250.00	-	40,70,250.00	38,27,250.00	-	38,27,250.00
10. Honorarium	4,57,819.00	-	4,57,819.00	4,88,000.00	-	4,88,000.00
11. TA/DA expenses	-	-	-	-	-	-
12. Newspaper allowance	7,57,236.00	-	7,57,236.00	5,38,173.00	-	5,38,173.00
13. Leave Salary, Lien & Pension Contribution	3,29,886.00	-	3,29,886.00	10,24,925.00	-	10,24,925.00
14. NPS Admn Charges	44,315.00	-	44,315.00	36,571.00	-	36,571.00
15. Professional Development Allowance	26,96,042.00	-	26,96,042.00	19,84,447.82	-	19,84,447.82
16. EGI Expenses	2,15,906.00	-	2,15,906.00	-	-	-
17. Leave Encashment	4,82,618.00	-	4,82,618.00	38,59,101.00	-	38,59,101.00
<b>TOTAL</b>	<b>43,73,60,783.00</b>	<b>-</b>	<b>43,73,60,783.00</b>	<b>40,22,75,029.62</b>	<b>-</b>	<b>40,22,75,029.62</b>

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-15A : Employees Retirement and Terminal Benefits

(Amount in ₹)

Particulars	Pension	Gratuity	Leave Encashment	Total
Opening Balance				
Addition: Capitalized Value of Contributions Received from other Organizations	-	-	-	-
<b>TOTAL (A)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Less: Actual Payment during the year (b)	-	-	-	-
Balance Available on 31.3.2022 c (a-b)	-	-	-	-
Provision required on 31.03.2022 as per Actuarial Valuation (d)	-	-	-	-
A. Provision to be made in the current year (d-c)	-	-	-	-
B. Contribution to New pension Scheme	-	-	-	-
C. Medical Reimbursement to Retired Employees	-	-	-	-
D. Travel to Home Town on Retirement	-	-	-	-
E. Deposits Linked Insurance Payment	-	-	-	-
<b>TOTAL (A+B+C+D+E)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Note: Contribution to NPS {Employer share included in Schedule - 15 - Contribution to Other Fund (NPS)} deposited with NSDL on monthly basis.

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-16 : Academic Expenses

(Amount in ₹)

Particulars	Current Year 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Non Plan	Plan	Total
1. Laboratory expenses	73,12,799.00	-	73,12,799.00	-	85,64,374.00	85,64,374.00
2. Field work/Participation	-	-	-	-	-	-
3. Seminar/Workshop	-	-	-	-	-	-
4. Payment to visiting faculty	36,32,220.00	-	36,32,220.00	-	1,12,43,463.00	1,12,43,463.00
5. Examination	30,96,009.90	-	30,96,009.90	-	31,32,592.55	31,32,592.55
6. Student Welfare expenses	81,05,453.00	-	81,05,453.00	-	61,80,634.00	61,80,634.00
7. Admission expenses	-	-	-	-	-	-
8. Convocation expenses	27,39,096.00	-	27,39,096.00	-	23,57,805.00	23,57,805.00
9. Publications	-	-	-	-	-	-
10. Stipend/means-cum-merit scholarship	21,24,34,560.00	-	21,24,34,560.00	-	19,39,66,010.00	19,39,66,010.00
11. Subscription Expenses (Trf. to Fixed assets)	-	-	-	-	-	-
12. Others (specify) Alumni Meet	-	-	-	-	-	-
13. Alumni Center Development Expenses	-	-	-	-	50,00,000.00	50,00,000.00
14. Departmental Operating Expenses	-	-	-	-	-	-
15. Operating Expenditure SBS	34,88,861.59	-	34,88,861.59	-	26,04,622.00	26,04,622.00
16. Operating Expenditure SES	12,24,977.00	-	12,24,977.00	-	12,19,183.00	12,19,183.00
17. Operating Expenditure SIF	14,02,392.00	-	14,02,392.00	-	13,99,447.00	13,99,447.00
18. Operating Expenditure HSS&M	8,43,823.00	-	8,43,823.00	-	8,91,597.00	8,91,597.00
19. Operating Expenditure SMS	10,68,829.00	-	10,68,829.00	-	14,53,253.58	14,53,253.58
20. Operating Expenditure CIF	2,52,105.00	-	2,52,105.00	-	2,61,313.00	2,61,313.00
21. Operating Expenditure SEOCS	9,58,961.00	-	9,58,961.00	-	5,11,279.00	5,11,279.00
22. Operating Expenditure SMMME	11,34,443.57	-	11,34,443.57	-	5,41,972.00	5,41,972.00
23. Operating Expenditure CDC	1,58,281.00	-	1,58,281.00	-	23,037.00	23,037.00
<b>TOTAL</b>	<b>24,78,52,811.06</b>	<b>-</b>	<b>24,78,52,811.06</b>	<b>-</b>	<b>23,93,50,582.13</b>	<b>23,93,50,582.13</b>

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-17 : Administrative and General Expenses

(Amount in ₹)

Particulars	Current Year 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Non Plan	Plan	Total
<b>A. Infrastructure</b>						
1. Electricity and power	3,24,49,829.00	-	3,24,49,829.00	-	2,56,64,532.00	2,56,64,532.00
2. Water charges	-	-	-	-	-	-
3. Insurance	-	-	-	-	-	-
4. Rent, Rates and Taxes (including property tax)	-	-	-	-	-	-
<b>B. Communication</b>						
1. Postage & Telegram	2,20,039.00	-	2,20,039.00	-	1,98,089.00	1,98,089.00
2. Telephone and Internet Charges	7,85,079.00	-	7,85,079.00	-	6,42,017.00	6,42,017.00
<b>C. Others</b>						
1. Printing and Stationary	15,94,966.00	-	15,94,966.00	-	12,93,511.00	12,93,511.00
2. Traveling and Conveyance Expenses	68,840.00	-	68,840.00	-	67,712.00	67,712.00
3. Audit Expenses/ Fees	3,50,960.00	-	3,50,960.00	-	1,85,732.00	1,85,732.00
4. Professional Charges	31,48,410.00	-	31,48,410.00	-	14,54,770.00	14,54,770.00
5. Advertisement and Publicity	1,24,059.00	-	1,24,059.00	-	12,24,950.00	12,24,950.00
6. Magazines & Journals	46,794.00	-	46,794.00	-	19,914.00	19,914.00
7. E - Procurement service charges	-	-	-	-	3,71,000.00	3,71,000.00
8. E-filing Charges	26,549.00	-	26,549.00	-	-	-
9. Institute Function Expenses	9,99,039.00	-	9,99,039.00	-	9,77,911.00	9,77,911.00
10. Relocation Charges	-	-	-	-	2,08,666.00	2,08,666.00
11. BoBCO expenditure	-	-	-	-	4,745.00	4,745.00
12. Gymkhana Expenses	-	-	-	-	3,27,613.00	3,27,613.00
13. Recruitment Expenses	1,28,356.00	-	1,28,356.00	-	36,255.00	36,255.00
14. Guest House Expenses	18,81,494.42	-	18,81,494.42	-	5,45,090.59	5,45,090.59
15. Misc. Expenses (Hiring of DG Set)	24,599.00	-	24,599.00	-	-	-
16. Hostel Expenditure Annexure - III	9,76,55,711.98	-	9,76,55,711.98	-	3,29,09,760.25	3,29,09,760.25
17. CEP Expenses	2,056.50	-	2,056.50	-	8,255.76	8,255.76
18. Gymkhana Expenses	29,07,901.00	-	29,07,901.00	-	17.90	17.90

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-17 : Administrative and General Expenses (Contd...)

(Amount in ₹)

Particulars	Current Year 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Non Plan	Plan	Total
19. Annual Membership Fees	4,06,981.00	-	4,06,981.00	-	3,96,431.00	3,96,431.00
20. Operating Expenditure Admin.	26,76,385.00	-	26,76,385.00	-	22,99,339.00	22,99,339.00
21. Operating Expenditure - CITCS	11,48,139.00	-	11,48,139.00	-	10,22,301.00	10,22,301.00
22. Operating Expenditure Library	1,97,390.00	-	1,97,390.00	-	1,16,439.00	1,16,439.00
23. Operating Expenditure Hindi Cell & E Cell	4,19,224.00	-	4,19,224.00	-	3,772.00	3,772.00
24. Security & Man power supply Exp.	8,22,57,546.14	-	8,22,57,546.14	-	9,82,00,119.78	9,82,00,119.78
25. Fuel Exp. For DG Set	2,60,144.00	-	2,60,144.00	-	2,74,270.00	2,74,270.00
26. Development of Horticulture Work	38,66,508.60	-	38,66,508.60	-	13,72,288.00	13,72,288.00
27. IIT Council Secretariate Expenses	1,00,000.00	-	1,00,000.00	-	1,00,000.00	1,00,000.00
28. Training of Employees	1,28,030.00	-	1,28,030.00	-	1,36,596.00	1,36,596.00
29. In House project Expenses	-	-	-	-	1,18,51,098.00	1,18,51,098.00
30. Fire Safety Certificate	-	-	-	-	1,28,910.00	1,28,910.00
<b>TOTAL</b>	<b>23,38,75,030.64</b>	<b>-</b>	<b>23,38,75,030.64</b>	<b>-</b>	<b>18,20,42,105.28</b>	<b>18,20,42,105.28</b>

### SCHEDULE-18 : Transportation Expenses

(Amount in ₹)

Particulars	Current Year 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Non Plan	Plan	Total
1. Vehicles (owned by institution)						
a) Running expenses	-	-	-	-	-	-
b) Repairs & maintenance	37,099.00	-	37,099.00	-	89,891.00	89,891.00
c) Insurance expenses	16,865.00	-	16,865.00	-	48,011.00	48,011.00
2. Vehicles taken on rent/lease	-	-	-	-	-	-
a) Rent/lease expenses	90,65,066.00	-	90,65,066.00	-	66,60,684.00	66,60,684.00
b) Fuel Expenses	1,86,306.00	-	1,86,306.00	-	1,28,527.00	1,28,527.00
3. Vehicle (Taxi Hiring expenses)	-	-	-	-	-	-
<b>TOTAL</b>	<b>93,05,336.00</b>	<b>-</b>	<b>93,05,336.00</b>	<b>-</b>	<b>69,27,113.00</b>	<b>69,27,113.00</b>

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-19 : Repairs & Maintenance

(Amount in ₹)

Particulars	Current Year 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Non Plan	Plan	Total
a) Building	95,24,202.00	-	95,24,202.00	-	93,93,712.00	93,93,712.00
b) Furniture & Fixture	-	-	-	-	67,075.00	67,075.00
c) Plant & Machinery	-	-	-	-	-	-
d) Office Equipments	33,81,413.43	-	33,81,413.43	-	52,88,408.02	52,88,408.02
e) Cleaning material & services	1,50,72,097.05	-	1,50,72,097.05	-	1,56,87,886.46	1,56,87,886.46
f) Others (specify)	-	-	-	-	-	-
<b>TOTAL</b>	<b>2,79,77,712.48</b>	<b>-</b>	<b>2,79,77,712.48</b>	<b>-</b>	<b>3,04,37,081.48</b>	<b>3,04,37,081.48</b>

### SCHEDULE-20 : Finance Costs

(Amount in ₹)

Particulars	Current Year 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Non Plan	Plan	Total
a) Bank charges	75,995.25	-	75,995.25	-	1,10,582.68	1,10,582.68
b) Others (specify)	-	-	-	-	-	-
<b>TOTAL</b>	<b>75,995.25</b>	<b>-</b>	<b>75,995.25</b>	<b>-</b>	<b>1,10,582.68</b>	<b>1,10,582.68</b>

### SCHEDULE-21 : Other Expenses

(Amount in ₹)

Particulars	Current Year 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Non Plan	Plan	Total
a) Provision for Bad and Doubtful Debts/Advances	-	-	-	-	-	-
b) Irrecoverable Balances Written-off	-	-	-	-	-	-
c) Grant/Subsidies to other Institutions/organizations	-	-	-	-	-	-
d) Others (specify)	-	-	-	-	-	-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

## Indian Institute of Technology Bhubaneswar

### SCHEDULE-22 : Prior Period Expenses

(Amount in ₹)

Particulars	Current Year 2021-22			Previous Year 2020-21		
	Plan	Non Plan	Total	Non Plan	Plan	Total
1. Establishment Expenses	2,85,805.00	-	2,85,805.00	-	2,68,854.00	2,68,854.00
2. Academic Expenses	7,87,409.00	-	7,87,409.00	-	1,47,591.00	1,47,591.00
3. Administrative Expenses	34,21,437.14	-	34,21,437.14	-	1,41,84,372.13	1,41,84,372.13
4. Transportation Expenses	-	-	-	-	-	-
5. Repairs & Maintenance Expenses	5,30,344.00	-	5,30,344.00	-	5,44,714.00	5,44,714.00
6. Other Expenses	-	-	-	-	-	-
<b>TOTAL</b>	<b>50,24,995.14</b>	<b>-</b>	<b>50,24,995.14</b>	<b>-</b>	<b>1,51,45,531.13</b>	<b>1,51,45,531.13</b>

## Indian Institute of Technology Bhubaneswar

### SCHEDULE - 23

#### Significant Accounting Policies Forming Part of the Accounts for the Year Ended 31st March 2022

#### 1. ACCOUNTING CONVENTIONS

- The Annual Accounts of the Institute is prepared considering the guiding principles mentioned in the revised Form of Financial Statement for the Central Autonomous Bodies (Educational and Similar Institutions) which was recommended by the Ministry of Human Resource Development (MoE) vide mail dated 25th Aug 2014.
- The Annual Accounts of the Institute is prepared under Historical Cost Conventions and ongoing concern concept, unless otherwise stated. The Institute follows accrual method of accounting. All income, expenses, assets and liabilities are accounted on accrual basis.
- Accounting policies not specifically referred to otherwise, are consistent and in accordance with Indian Generally Accepted Accounting Principles (GAAP) and Accounting Standards (AS) issued by the Institute of Chartered Accountants of India.
- Purchase of consumable store / stationaries are charged as expenditure irrespective of whether they are consumed or held in stock at the year-end as overall effect is not material;
- The accounting policies adopted in the preparation of the financial statements are consistent with those followed in the previous year.

#### 2. USE OF ESTIMATES

The preparation of financial statements in conformity with the Indian GAAP requires the management to make judgments, estimates and assumptions that affect the reported amount of revenues/ income, expenses, assets and liabilities and the disclosure of contingent liabilities, at the end of the reporting period. Although these estimates are based on the management's best knowledge of current events and actions, uncertainty about these assumptions and estimates could result on the outcomes requiring a material adjustment to the carrying amounts of assets or liabilities in future periods.

#### 3. PROPERTY, PLANT AND EQUIPMENT

An item of property, plant and equipment are valued at its cost less any accumulated depreciation and any accumulated impairment losses as per cost model of paragraph 33 of AS-10- 'Property, Plant and Equipment' and AS- 26 -'Intangible Assets'. The cost of an item of property, plant and equipment comprises of cost of acquisition after deducting trade discounts and rebates but including inward freight, duties and taxes, incidental and other direct expenses related to their acquisition, installation and commissioning. Several items of property, plant and equipment are purchased for a consolidated price, the consideration is apportioned to the various items on the basis of their respective fair values at the date of acquisition.

- Expenditure on development of land, including leasehold land, is capitalized as part of cost of land. Cost of Lease hold land is amortized over the period of lease.
- There is an effective internal control over expenditure incurred on fixed assets acquired or self-constructed.
- All the property, plant and equipment are held in the name of the entity. None of the expenditure which are of capital nature being the property, plant and equipment is charged to revenue, but is recognized as the property, plant and equipment.
- All 'Fixed Assets' are depreciated/amortized according to applicable standards i.e., AS 10 - 'Property, Plant and Equipment' and AS 26-'Intangible Assets'.
- There is an effective internal control over disposal or scrapping of fixed assets.
- All assets have been carried for an amount which is not more than the recoverable amount and impairment losses in terms of AS 28 -'Impairment of Assets' has been accounted for, wherever necessary.

#### 4. DEPRECIATION:

- Depreciation on fixed assets is provided on 'Straight Line Method' from the Financial Year 2014-15. Depreciation is provided for the whole year on additions during the year. Depreciation has not been charged on SRIC Assets (Project), since those project are not own project of the Institute and is subject to transfer to Project Sponsoring Agencies, if occasion so arises. The rates adopted in this financial statement are furnished hereunder.

# Indian Institute of Technology Bhubaneswar

## SCHEDULE - 23

### Significant Accounting Policies Forming Part of the Accounts for (Contd...)

#### a) Tangible Assets:

1. Freehold Land	Nil
2. Site Development	Nil
3. Building	2%
4. Roads & Bridges	2%
5. Tube Wells & Water Supply	2%
6. Sewerage & Drainage	2%
7. Electrical Installation and equipment	5%
8. Plant & Machinery	5%
9. Scientific & Laboratory Equipment	8%
10. Office Equipment	7.50%
11. Audio Visual Equipment	7.50%
12. Computer & Peripherals	20%
13. Furniture, Fixture & Fittings	7.50%
14. Vehicles	10%
15. Books & Library	10%

#### b) Intangible Assets (Amortization):

1. E-Journals	40%
2. Computers Software	40%
3. Patents and Copy Rights	9 Years

- b) Assets costing ₹ 2,000 or less (except Library Books) are treated as small value Assets and 100% depreciation is provided in respect of such assets at the time of their acquisition. However, physical accounting and control are continued by the holders of such assets.
- c) Where an asset is fully depreciated, it is carried at a residual value of ₹ 1 in the Balance Sheet and will not be further depreciated. Thereafter, depreciation is calculated on additions of each year separately at applicable rate.
- d) Intangible assets: Patents and copy rights, E-Journals and computers Software are grouped under Intangible Assets.

#### 5. CAPITAL WORK-IN-PROGRESS

Deposit works are accounted for as Capital Work-in-Progress on the basis of statements received from the Engineering Section of the Institute/ CPWD/ NBCC. Running bills of the contractors are also accounted for as Capital Work-in-Progress till completion. No depreciation is charged on Capital work-in-Progress. Capital Work-in-Progress is reduced when a work is completed or put to use and is capitalized.

#### 6. MISCELLANEOUS EXPENDITURE

Deferred revenue expenditure is written off over a period of 5 years from the year it is incurred.

#### 7. REVENUE RECOGNITION

The Institute is fully funded by the Ministry of Education (MoE), Government of India. Fees and other dues received from students are taken as income in the year of receipt on accrual basis and interest received from banks are accounted as income on the basis of interest credited/ reported as accrued by the bank.

#### 8. RECEIPTS AND EXPENDITURE

- a) The Institute follow mercantile system of accounting and all incomes and expenses accounted for in the books are related to this financial year 2021-22 only.

# Indian Institute of Technology Bhubaneswar

## SCHEDULE - 23

### Significant Accounting Policies Forming Part of the Accounts for (Contd...)

- b) All income which accrued up to the date of the Balance Sheet, have been taken into account in preparing these accounts. The revenues have been recognized as per AS 9 - 'Revenue Recognition'.
- c) All recorded revenue arose from transactions which took place during the relevant period and pertain to the entity.
- d) The revenue is recorded in the proper amounts and is allocated to the proper period.
- e) Revenue is disclosed, classified and described in accordance with recognized accounting policies and practices and relevant statutory requirements.
- f) The Institute have adequate internal control procedures to generate, measure, recognize and account revenues.
- g) There is no unrecorded revenue/ income of the entity
- h) All recorded expenses arose from transactions which took place during the relevant period and pertain to the entity.
- i) The expenses are recorded in the proper amounts and are allocated to the proper period.
- j) Expenses are disclosed, classified and described in accordance with recognized accounting policies and practices and relevant statutory requirements.
- k) The Institute have adequate internal control procedures to measure, recognize and account expenses.
- l) There is no unrecorded expenses of the entity
- m) There are no dues payable to employees for which provision/payment has not been made in books of accounts.
- n) The Institute has an Internal Audit System which conduct pre-audit of all major expenses above ₹25,000, purchases and works contracts etc.

#### 9. FOREIGN CURRENCY TRANSACTION

Foreign currency transactions are accounted for at the rate of exchange prevailing on the date of transaction.

#### 10. GOVERNMENT GRANTS

Grants received from the government are recognized as per 'AS- 12' - Accounting for Government Grants'. Government grants are recognized on realization basis. However, where a sanction for release of grants pertaining to the financial year is received before the end of the financial year and grant is actually received in the next financial year, and Revenue Expenditure incurred on salaries, scholarships etc. within the guidelines set by the Government of India, the grant is accounted on accrual basis and equal amount is shown as receivable from the Government.

Government grant to the extent utilized towards capital expenditure (on accrual basis) are transferred to the Capital Fund.

Government grant to the extent utilized on meeting Revenue Expenditure (on accrual basis) are treated as Income of the year in which they are utilized. Interest earned on unutilized Government grant has been treated as a 'current liability' for refund to MoE as per the provisions contained in Rule 230(8) of General Financial Rules (GFR) 2017.

Unutilized grants are carried forward and exhibited as a liability in the Balance Sheet. Deficit revenue grant are shown as receivable from MoE after intimating to the MoE.

#### 11. ACCOUNTING FOR INVESTMENT

Long term investments are stated at cost. Provision for diminution in the value of investment is made if the decline is other than temporary.

The Institute has classified and accounted Investments appropriately in accordance with AS 13 - 'Accounting for Investments'. 'Current investments' as appearing in the balance sheet consist of only such investments as are by their nature readily realizable and intended to be held for not more one year from the respective dates on which they were made. All other investments have been shown in the balance sheet as 'non-current investments'.

Current investments have been valued at the lower of cost and fair value. Non-current investments have been shown at cost, expect that any permanent diminution in their value has been provided for in ascertaining their carrying amount.

# Indian Institute of Technology Bhubaneswar

## SCHEDULE - 23

### Significant Accounting Policies Forming Part of the Accounts for (Contd...)

All the investments available for physical verification belong to the entity and they do not include any investments held on behalf of any other person.

The entity has clear title to all its investments including such investments which are in the process of being registered in the name of the entity or which are not held in the name of the entity. There are no charges against the investment of the entity except those appearing in the records of the entity.

#### 12. EMPLOYEE BENEFITS

Employee benefits are recognized as per applicable Accounting Standard i.e. AS- 15 'Accounting for Employee Benefits'.

- An expense for leave encashment is accounted for on cash basis. Leave encashment (payment of cash in-lieu of unutilized leave on death/ retirement/ cessation of service) are paid out of Government grant as per the instructions received from MoE.
- Expenses in respect of other short term benefits are recognized on the basis of the amount paid or payable for the period during which services are rendered by the employee.
- All regular employees of the Institute are covered under National Pension Scheme (NPS). Contribution to NPS (both employee and employer share) is accounted on accrual basis.
- The employees of this Institute are not covered under any gratuity scheme. MoE clarified (March 2019 and December 2019) that the matter of extension of Death / Retirement gratuity to the employees of Central Autonomous Bodies covered under National Pension Scheme (NPS), is under consideration of the Finance Ministry. It also intimated (January 2022 and March 2022) that a proposal for issue of notification for implementation of the provisions of the 'Payment of Gratuity Act 1971' to CFTIs is under consideration. So, no provision has been kept in the accounts towards 'Gratuity' till final notification is issued by MoE in this regard.

#### 13. INTANGIBLE ASSETS

An intangible asset is an identifiable non-monetary asset, without physical substance, held for use in the production or supply of goods or services, for rental to others, or for administrative purposes. Intangible Assets are valued as per AS-26 - 'Intangible Assets'. Capital Expenditure on purchase and development of identifiable non-monetary assets without physical substance is treated as intangible assets. These are grouped and separately shown under the schedule of Fixed Assets. These are amortized over their expected useful life.

#### 14. STOCKS

The Value of consumables stores (papers, laboratory chemicals, stationary items, etc.) remaining at the closing of the financial year has been taken as Nil as these have been treated as consumed as the same is not material.

#### 15. PROVISIONS & CONTINGENCIES

Provisions are recognized for present obligations of uncertain timing or amount arising as a result of a past event where a reliable estimate can be made and it is probable that an outflow of resources embodying economic benefits will be required or the amount cannot be estimated reliably, the obligation is disclosed as a contingent liability, unless the probability of outflow of resources embodying economic benefits is remote.

Possible obligations, whose existence will only be confirmed by the occurrence or non-occurrence of one or more uncertain events, are also disclosed as contingent liabilities unless the probability of outflow of resources embodying economic benefit is remote.

Generally, the following types of contingent liabilities of indeterminate amount are noted:

- Guarantees for goods and services.
- Matters in litigation, such as alleged patents, copy rights, trade mark infringements of breach of contracts.
- Possible claims of employees for wages, compensation or otherwise.

# Indian Institute of Technology Bhubaneswar

## SCHEDULE - 23

### Significant Accounting Policies Forming Part of the Accounts for (Contd...)

- Possible additional taxes for prior periods.
- Claims which are founded on contracts, but to which there may or may not be an adequate defense.
- Description of operation due to natural calamity or otherwise suspension of production due to change in the state policy.
- Any litigation or dispute having material effect; and
- Any other matters for money otherwise for which institute is contingently liable.

#### 16. SPONSORED PROJECTS

Grants received from Sponsors is accounted for in the year it is received and is disclosed as 'Current Liability'. Expenditure incurred out of grants received are debited to respective project account and unspent balance, if any, is also disclosed under 'Current Liabilities'.

Some fellowships and scholarships are also sponsored by various organizations. These are accounted in the same way as sponsored projects except that the expenditure is generally only on disbursement of fellowships and scholarships, which may include allowances for contingent expenditure by fellows and scholars.

The Institute also awards fellowships and scholarships out of Government Grant, which are recognized as 'Academic Expenses'.

#### 17. OTHER ACCOUNTS INCORPORATED

Books of Accounts of R&D, Continuing Education for Professional (CEP), Hostel and Gymkhana are maintained separately. Same are merged with the Institute Account, wherever necessary.

#### 18. PURCHASE PROCEDURES THROUGH INSTITUTE STORES & PURCHASE UNIT

Payments made /cheque issued for purchase of consumables and non-consumables stocks against the confirmed Purchase Orders released by the Institute are treated as final expenditure. However, advance outstanding as at the close of the financial year are disclosed separately in Balance Sheet.

#### 19. CORPUS FUND

Institute created Corpus fund as per BOG Agenda No-BOG-15-28. As a policy, amount received by way of student fee, miscellaneous income, liquidate damage, interest on security and interest on student fees are transferred to Corpus Fund.

#### 20. SECURED LOAN FROM HEFA

MHRD (now MoE) instructed (March 2018) the Institute to avail loan from Higher Education Financing Agency (HEFA) to finance its remaining fund requirement for completion of all ongoing capital works. As per the Government Guidelines, MHRD (now MoE) would pay the entire interest and 75 per cent of the HEFA loan principal repayment instalments while the Institute has to pay 25 per cent of HEFA loan principal repayment instalments out of its own generated income. MoE releases revenue grants for repayment of principal and interest under the head 31 (grants for recurring expenses-others). Loan availed from HEFA is shown in Liability side of the Balance Sheet under 'Secured Loan'. Repayment of loan instalments being capital in nature are added to Capital Fund and then reduced from the 'Secured Loan-HEFA'.

As per Accounting Standard (AS 16)- 'Borrowing Costs and Capitalization', interest on loan availed for construction of a qualifying assets (creation of capital assets) till the asset is commissioned and put to intended use is to be capitalized along with the cost of the capital asset. In compliance with the provisions of this AS 16, interest paid on HEFA loan out of MoE grant has been treated as capital in nature and has been added to CWIP-Interest paid on HEFA loan, which will be capitalized in proportion of loan availed on completion, commissioning and use of concerned capital assets (buildings etc.).

#### 21. INCOME TAX

The Income of the Institute is exempt from Income Tax under Section 10(23C)(iiiab) of the Income Tax Act 1961. No provision for tax is therefore made in the accounts. Tax Deduction at Source, wherever required, were deducted in all cases at the time of releasing payment/accrued and were deposited with Income Tax Authorities in time.

# Indian Institute of Technology Bhubaneswar

## SCHEDULE - 24

### Contingent Liabilities and Notes to Accounts Forming Part of Accounts for The Period Ended 31st March 2022

#### A. CONTINGENT LIABILITIES

1. Claims against the Entity not acknowledged as debts - ₹ 16.86 crore (Previous year ₹ 12.12crore)
  - 1.1 **Bulk Water supply:** As per the decision taken by the Government of Odisha (GoO) communicated by the Industries Department in October 2008, supply of 3MLD water to IIT, Bhubaneswar was to be borne by the State government. However, a tri-patriate agreement was signed by the IIT on 27 October 2014 with the GoO and M/s Megha Engineering Infra Limited (MEIL), Hyderabad for supply of 5 MLD water in Public Private Partnership (PPP) mode. After execution of the water supply project, MEIL served monthly water supply bills from 12 June 2018 for 5 MLD per month though no water was drawn by IIT. Up to March 2022, MEIL has claimed ₹ 16.86 crore on this account. The Institute contested the bills and approached the State Government to allow the IIT to make payment for bulk water supply as per its actual intake which was agreed as an interim measure till the arbitration proceeding is finalized. This claim of MEIL has not been acknowledged by the IIT as debt. . The matter is under arbitration.
  - 1.2 In respect of:
    - Bank guarantees given by/on behalf of any Entity - ₹ NIL (Previous year ₹ NIL)
    - Bills discounted with banks : ₹ NIL (Previous year ₹ NIL)
  - 1.3 Disputed demands in respect of:
    - Income-tax -₹ NIL (Previous year ₹ NIL)
    - GST-₹ NIL (Previous year ₹ NIL)
    - Municipal Taxes-₹ NIL(Previous year ₹ NIL)

# Indian Institute of Technology Bhubaneswar

## SCHEDULE - 24

### Contingent Liabilities and Notes to Accounts Forming Part of (Contd...)

#### B. NOTES TO ACCOUNTS

##### 1. GOVERNMENT GRANT

Grants-in-aid of ₹80.72 crore was released by MoE during 2021-22 for meeting recurring expenses and ₹ 12 crore for creation of capital assets as indicated in table below in addition to ₹25.79. crore towards payment of HEFA loan principal and interest. Revenue grant of ₹80.72 crore less deficit of 2020-21 ₹5.81 crore as on 1.4.2021 totaling to ₹74.91 crore has been recognized as revenue income (Grants received) in the 'Income and Expenditure Account'. Revenue expenses incurred during 2021-22 was ₹86.01crore.

₹ in crore)			
Installment. No	Sanction Letter No. and Date	Grants sanctioned	Grants received
1	F.No.27-2/2021-TS-1 dated 29.04.2021	5.33	5.33
2	F.No.27-2/2021-TS-1 dated 18.05.2021	6.83	6.83
3	F.No.27-2/2021-TS-1 dated 17.06.2021	8.21	8.21
4	F.No.27-2/2021-TS-1 dated 23.07.2021	5.75	5.75
5	F.No.27-2/2021-TS-1 dated 18.08.2021	5.75	5.75
6	F.No.27-2/2021-TS-1 dated 09.09.2021	5.73	5.73
7	F.No.27-2/2021-TS-1 dated 22.09.2021	5.06	5.06
8	F.No.27-2/2021-TS-1 dated 21.10.2021	5.14	5.14
9	F.No.27-2/2021-TS-1 dated 11.11.2021	5.14	5.14
10	F.No.27-2/2021-TS-1 dated 03.12.2021	5.13	5.13
11	F.No.27-2/2021-TS-1 dated 13.12.2021	4.76	4.76
12	F.No.27-2/2021-TS-1 dated 16.12.2021	2.94	2.94
13	F.No.27-2/2021-TS-1 dated 24.01.2022	3.69	3.69
14	F.No.27-2/2021-TS-1 dated 08.02.2022	17.91	17.91
15	F.No.27-2/2021-TS-1 dated 08.03.2022	5.35	5.35
1st HEFA Loan Interest	F.No.27-2/2021-TS-1 dated 10.05.2021	0.70	0.70
2nd HEFA Loan Interest	F.No.27-2/2021-TS-1 dated 29.07.2021	1.04	1.04
3rd HEFA Loan Interest	F.No.27-2/2021-TS-1 dated 28.10.2021	1.48	1.48
4th HEFA Loan Interest	F.No.27-2/2021-TS-1 dated 27.01.2022	1.95	1.95
1st HEFA Loan Principal	F.No.27-2/2021-TS-1 dated 27.08.2021	10.31	10.31
2nd HEFA Loan Principal	F.No.27-2/2021-TS-1 dated 15.03.2022	10.31	10.31
<b>Total GIA Sanctioned</b>		<b>118.51</b>	<b>118.51</b>

Out of unspent capital grants of ₹ 7.53 crore available with the Institute as on 31st March 2021, ₹ 19.16 crore was utilised during 2021-22 and the amount utilised has been added to the **Capital Fund**. Unspent MoE Grants (Capital) of ₹ 0.37 crore has been shown under 'Current Liabilities'.

Government grant received from MHRD are kept in exclusive bank account maintained with the Canara Bank, Argul. Interest earned on unspent fund kept in saving bank account and term deposits are treated as income of the Institute and accounted for in the 'Income and Expenditure Account'. internal income (interest) of ₹2.30 crore utilised during 2020-



# Indian Institute of Technology Bhubaneswar

## SCHEDULE - 24

### Contingent Liabilities and Notes to Accounts Forming Part of (Contd...)

21. treating the same additional Government grant has been refunded to MoE in June 2022 based on the directions of the MoE. Deficit revenue grant of ₹5.81 crore was released by MoE during 2021-22. However, deficit in revenue grant (₹13.39 crore) during 2021-22 due to less release of grants has been shown as 'Receivable from MoE' under 'Current Assets' after due intimation to MoE.

#### 2. ENDOWMENT FUND

Interest earned on investments of Endowment Fund are added to each of the Endowment Fund concerned.

#### 3. CORPUS FUND

During the year 2021-22, in addition to interest of ₹9.38 Crore received during the year on investment of Corpus Fund, internal income of

₹ 25.11 crore being tuition and other fee collected from students etc. (after transfer of ₹6.88 crore towards repayment of HEFA loan principal) was transferred to Corpus Fund as per the decision taken vide Agenda No. BoG-15-28 in 15th meeting of the Board of Governors (BoG).

#### 4. FIXED ASSETS AND DEPRICIATION

**4.1 Land:** Out of 943.491 acre of land allotted by the Government of Odisha to this Institute, advance possession of 618.665 acre (non-forest land) has been taken by the Institute while conversion of forest land of 302.377 acre is under process. The amount shown under land is the expenditure incurred on applying for conversion of forest land and other related expenses. Lease for 618.665 acre of Govt land has already been sanctioned by the Government of Odisha in Jnuary 2022 and execution of lease deed is awaited.

**4.2 Depreciation:** Depreciation on fixed assets is provided on Straight Line Method. Depreciation is provided for the whole year on additions during the year. Depreciation has not been charged on SRIC/ R&D Assets (Project) since those project are not own project of the Institute and is subject to transfer, if occasion so arises.

4.3 Assets costing ₹ 2,000 or lesser written off during the year.

4.4 Fixed Assets created out of SRIC / R&D fund: Details of Assets created out of SRIC/ R&D fund are given below:

	DESCRIPTION	GROSS BLOCK			
		Cost/ Valuation as at the beginning of the year 01.04.2021	Additions during the year 2021-22	Deductions during the year 2021-22	Cost/ Valuation as at the End 31.03.2022
1	PLANT MACHINERY & EQUIPMENT	29,67,11,911.27	3,58,34,261.00		33,25,46,172.27
2	FURNITURE & FIXTURES :	27,92,054.00	3,88,909.00		31,80,963.00
3	OFFICE EQUIPMENT :	3,58,044.00	-		3,58,044.00
4	COMPUTER/PERIPHERAL :	3,67,63,992.46	89,32,664.00		4,56,96,656.46
	<b>TOTAL OF CURRENT YEAR</b>	<b>33,66,26,001.73</b>	<b>4,51,55,834.00</b>	<b>-</b>	<b>38,17,81,835.73</b>

**4.5 Impairment of fixed assets in cyclone FANI:** Cyclone FANI which hits the State on 3 May 2019 caused serious damage to the assets of the Institute. Damage to the assets were later rectified / repaired excepting for Solar PV System. The Solar PV system commissioned in May 2018 and capitalized during 2018-19 at ₹ 2,48,56,720 (₹1.89 crore already paid) was severely damaged in cyclone FANI on 3 May 2019 and is not in operational condition since then. Salvaged value of assets as reported by the Engineering Section was approximately ₹ 65 lakh. An amount of ₹31,07,090 has already been recovered from the agency by way of encashment of PBG during August 2019 and a claim for ₹10.49 crore (including loss of solar energy generation) was made. As the asset was not in use during entire

# Indian Institute of Technology Bhubaneswar

## SCHEDULE - 24

### Contingent Liabilities and Notes to Accounts Forming Part of (Contd...)

year 2021-22, no depreciation has been provided. Asset value has not been reduced as the matter of rectification of the system at the risk and cost of the agency remains under correspondence.

**5. HEFA loan:** During the year 2021-22, loan of ₹ 114.01. crore was availed by the Institute for payment to NBCC out of ₹275 crore sanctioned during July 2018 and cumulative loan availed up to 31st March 2022 was ₹ 180.56 crore. As per the Gol Guidelines, entire interest and 75 per cent of principal repayment is to be borne by MHRD and 25 per cent of principal repayment is to be paid by the Institute out of its own revenue generation. During the year ₹27.50 crore was repaid to HEFA (MoE grant - ₹20.625 crore and Institute share - ₹6.875 crore). However, interest for the quarter ended 31st March 2022 accrued during the year ₹2.35 crore) as demanded by HEFA in April 2022, received from MoE and paid during said month has been accounted for under 'Current liabilities' and same amount has been shown as 'Grants receivable from MoE towards HEFA interest' under Current Assets. .

**6. Concessional rate of GST for construction works:** NBCC has been engaged as Project Management Consultant (PMC) for execution of construction works of IIT Bhubaneswar with reimbursement of expenditure incurred on works plus 5.5 per cent PMC charges vide MoA dated 2 June 2016. However, NBCC charged 18 per cent GST and same was repeatedly objected by IIT Bhubaneswar stating that concessional rate of 12 per cent GST would be applicable since IIT Bhubaneswar is a Government Authority. Ultimately, NBCC was persuaded to sought ruling of Authority for Advance Ruling of Odisha (AAR) in January 2020. AAR vide Advance Ruling dated 1 October 2020 though ruled IIT Bhubaneswar as a Government Entity but allowed concessional rate of GST (12 per cent) only for academic and student related infrastructure but not for staff/ faculty quarters, PMC charges etc. On appeal before the Odisha Appellate Authority on Advance Ruling, the appellate authority vide ruling dated 19th March 2021 allowed concessional rate of GST at 12 per cent on all works covered under MoA dated 2 June 2016 between IIT Bhubaneswar and NBCC. However, NBCC despite instructions of IIT Bhubaneswar did not take action for getting refund of excess tax paid but again filed another appeal with GST Appellate Authority in June 2021 seeking clarification on effective date of AAR Ruling. As AAR remained silent over the issue, NBCC again appealed before the Odisha Appellate Authority on Advance Ruling. The Appelite Authotity vide order dated 15th March 2022 (received by NBCC on 29.4.2022) ruled that the concessional rate of GST at 12 per cent would be applicable for IIT project with retrospective effect from 1st July 2017. IIT has instructed NBCC to claim for the refund of excess GST paid during 1st July 2017 to 31st December 2021 and credit the same in IIT project account. The matter is under correspondance and refund claim has not been filed by NBCC so far. Thus, impact of such reduction of GST rate has not been accounted for in this account.

**7. Employee benefit:** All employees of this Institution (excepting one on lien from IIT, Kharagpur) are covered under New Pension Scheme /National Pension System (NPS) as on 31st March 2022. Death gratuity and retirement gratuity has been extended by the Government of India to its employees covered under NPS with effect from 1 January 2004 vide OM dated 26 August 2016. However, said order has not been extended to Centrally Funded Technical Institutions (CFTIs) that are following the same pattern of pay and allowances as applicable to central Government employees. However, the Ministry of Education has intimated (January 2022 and March 2022) that a proposal for issue of notification for implementation of the provisions of the 'Payment of Gratuity Act 1971' to CFTIs is under consideration. So, no provision has been kept in the accounts towards 'Gratuity' till final notification is issued by MoE in this regard.

Besides, on a reference made by the Institute based on observations of CAG Audit for creation of a leave encashment fund as per AS15, MoE clarified that such expenses are permissible to be met out of grants-in-aid released to the Institute and so same is being utilized from Government Grant.

Thus, no provision based on actuarial valuation as per Accounting Standard 15 has been made for leave encashment / gratuity, as the same is not required to be kept.

**8. Related Party Disclosure:** No such case.

# Indian Institute of Technology Bhubaneswar

RESEARCH &amp; DEVELOPMENT

Balance Sheet as at 31st March 2022

LIABILITIES	Previous Year	Current Year 2021-22	Amount in ₹
<b>Project Balance</b>			
Sponsored Research Project {Sch - 3A (1)}	18,74,42,577.83	3,42,17,250.73	22,16,59,828.56
Sponsored Consultancy Receipt {Sch - 3A (2)}	4,39,19,831.92	(11,25,831.02)	4,27,94,000.90
Seed Money Grant {Sch - 3A (3)}	1,60,53,507.34	(27,19,047.00)	1,33,34,460.34
Sponsored Fellowship {Sch - 3(B)}	56,32,538.00	1,66,226.00	57,98,764.00
<b>Project Assets</b>			
Sponsored Research Project	29,23,11,410.52	4,27,23,504.00	33,50,34,914.52
Asset R&D	11,70,597.00	4,46,228.00	16,16,825.00
Seed Money Project	4,31,40,000.21	19,86,102.00	4,51,26,102.21
<b>Interest Received From Bank</b>			
Bank Interest	2,15,60,098.87	1,90,49,065.89	4,06,09,164.76
Accrued Interest	7,54,74,448.11	-	7,54,74,448.11
Tender fee	4,55,000.00	-	4,55,000.00
PDF Application Fees	14,250.00	-	14,250.00
<b>Other Liabilities:</b>			
Demmrag Charges	1,399.00	-	1,399.00
Grant to Spoke Institute (DIC)	49,50,000.00	-	49,50,000.00
Other Liabilities:	20,02,985.00	(2,99,999.00)	17,02,986.00
Sundry Creditor	3,08,80,727.13	42,90,022.76	3,51,70,749.89
Stale Cheque	6,40,604.64	1,24,712.00	7,65,316.64
Liquidated Damages	38,20,856.89	3,27,862.00	41,48,718.89
Performance Bank Gurantee (PBG)	20,24,517.00	1,57,334.00	21,81,851.00
Duty & Tax	67,46,685.12	(61,42,166.03)	6,04,519.09
Institute Overhead	1,18,95,942.00	(7,53,190.53)	1,11,42,751.47
School Development Fund	1,23,45,605.00	27,09,521.00	1,50,55,126.00
Faculty Development Fund	63,52,238.00	11,09,396.00	74,61,634.00
Earnest Money Deposit (EMD)	11,39,000.00	(3,01,713.82)	8,37,286.18
Workshop	23,103.00	-	23,103.00
<b>TOTAL LIABILITIES</b>	<b>76,99,97,922.58</b>		<b>86,59,63,199.56</b>

# Indian Institute of Technology Bhubaneswar

RESEARCH &amp; DEVELOPMENT

Balance Sheet as at 31st March 2022 (Contd...)

ASSETS	Opening	Addition/ Modification	Amount in ₹
<b>Fixed Assets:</b>	<b>33,66,26,001.73</b>	<b>4,51,55,834.00</b>	<b>38,17,81,835.73</b>
Equipment	29,67,11,911.27	3,58,34,261.00	33,25,46,172.27
Asset in Transit	-	-	-
Office Equipment	3,58,044.00	-	3,58,044.00
Workstation/Computer	3,27,70,893.46	76,17,353.00	4,03,88,246.46
Furniture & Fixture	27,92,054.00	3,88,909.00	31,80,963.00
Accessories	5,23,708.00	-	5,23,708.00
Software	34,69,391.00	13,15,311.00	47,84,702.00
<b>Current Assets:</b>			
Advance	9,80,381.80	7,98,603.00	17,78,984.80
Grant to Spoke Institute	49,50,000.00	-	49,50,000.00
Debtors	76,35,027.46	(58,66,095.29)	17,68,932.17
Tax Deducted at Source (TDS)	65,35,257.00	-2,08,849.00	63,26,408.00
Goods & Service Tax (TDS)	1,21,327.00	1,82,002.00	3,03,329.00
Term Deposit	35,86,53,044.65	7,98,39,806.35	43,84,92,851.00
<b>Bank A/c:</b>	<b>5,44,96,882.94</b>		<b>3,05,60,858.86</b>
SBI A/c-20054905156		1,79,01,957.87	
Syndicate Bank A/c-800721600000022		15,66,539.29	
SBI A/c No. 35052867155		42,217.00	
SBI A/c No. 38605214766		1,10,50,144.70	
<b>TOTAL ASSETS</b>	<b>76,99,97,922.58</b>		<b>86,59,63,199.56</b>

# Indian Institute of Technology Bhubaneswar

RESEARCH & DEVELOPMENT

Receipts and Payments Account for the Year Ended 31st March 2022

Receipt	Amount	Payments	Amount	
<b>Opening Balance</b>	<b>76,99,97,922.58</b>	<b>For Revenue Expenses</b>		
<b>Add: Receipt during the year</b>		Salary to JRF/SRF and project Assistant	3,55,90,401.00	
Consultancy Project	3,23,21,580.48	Consumables	1,32,80,427.00	
Sponsored Research Project	14,45,57,263.47	Contingencies	40,88,936.74	
Less : Refunded	45,47,332.00	14,00,09,931.47	Recurring Expenses	15,58,582.00
Sponsored Fellowship	33,13,367.00	Travel Expenses	10,57,906.00	
Institute Overheads	1,86,00,664.74	Consultancy Fees & Honorarium	3,11,62,985.50	
Tax Deducted at Source (TDS)	94,54,257.00	Meeting & Workshop Expenses	24,780.00	
Goods & Service Tax (GST)	88,24,430.73	Institute Corpus Fund	1,18,95,942.00	
GST TDS	6,84,772.00	Fellowship	61,94,224.00	
Professional Tax	30,250.00	Overhead refund	3,63,376.00	
Earnest Money Deposit (EMD)	3,286.18	Sample Preparation & Testing	99,910.00	
Performance Bank Gurantee (PBG)	5,50,677.00	Outsourcing Facility	88,192.00	
Other Current Liability	1.00	R&D Recurring Expenses	19,98,141.27	
Sundry Creditors	9,24,69,074.76	Fee for Intellectual Assets	3,00,000.00	
Liquidated Damages	3,61,202.00	Fabrication & Other Cost	7,67,683.00	
Bank Interest	13,41,322.00	Startup & IPR Expenses	4,27,410.00	
Interest on TDR	1,92,68,949.89	Duty & Taxes	2,51,35,875.76	
CEP Receipt	5,13,600.00	Stale Cheque	1,19,835.00	
Stale Cheque	2,44,547.00	Sundry Creditors	8,81,79,052.00	
		Other Current Liability	3,00,000.00	
		Faculty Development Fund	7,50,671.00	
		School Development Fund	80,580.00	
		Bank Interest	15,61,206.00	
		Scientific & Social Responsibility	90,000.00	
		Transfer to Colaberative Institute	51,68,444.00	
		Research Grant	4,96,793.00	
		Earnest Money Deposit (EMD)	3,05,000.00	
		CEP Payment	5,13,600.00	
		Performance Bank Gurantee (PBG)	3,93,343.00	
		Liquidated Damages	33,340.00	
		<b>Closing Balance</b>	<b>86,59,63,199.56</b>	
<b>TOTAL</b>	<b>1,09,79,89,835.83</b>	<b>TOTAL PAYMENT</b>	<b>1,09,79,89,835.83</b>	

## Indian Institute of Technology Bhubaneswar

SCHEDULE- 3A 1: Sponsored Project (2021-22)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
1	2	3	4	5	6	7	8	9		
1.	Synthesis and study of thermoelectric properties of Half - Heusler Alloys with non - trivial topological order	RP032	BRNS	28,649.00	-	(28,649.00)	-	-	-	28,649.00
2.	Center of Excellence for Novel Energy Materials (CENEMA)	RP074	MHRD	1,94,56,011.00	-	1,94,56,011.00	92,49,302.00	1,02,06,709.00	-	-
3.	Validity of Quasi - static Approximation in Magneto hydrodynamic Flows and Heat transfer - A numerical study.	RP027	CSIR	16,571.00	-	16,571.00	-	16,571.00	-	-
4.	Re-engineering of walking type reaper binder	RP046	DA&FP	8,92,899.00	-	8,92,899.00	-	8,92,899.00	-	-
5.	Design, Synthesis and biological evaluation of novel Fitz inhibitors a potential anti tubercular agents	RP055	DBT	3,390.00	-	3,390.00	-	3,390.00	-	-
6.	CFD Modelling of 76mm Naval Gun Projectile Motion in Aid of Range enhancement	RP030	DRDO	89,753.00	-	89,753.00	-	89,753.00	-	-
7.	Influence of osmolytes on the structure, dynamics and hydrogen bond properties of water in aqueous solution and other aqueous binary mixtures at different thermodynamic conditions	RP047	DST	3,000.00	-	3,000.00	-	3,000.00	-	-
8.	Catalytic activity of endothermal nitric synthese-a probe into the molecular basis of its electron transfer limitation	RP006	DST	91,128.00	-	91,128.00	-	91,128.00	-	-
9.	Hydraulics of submerged structures subjected to shallow submergence	RP007	DST	6,168.00	-	6,168.00	-	6,168.00	-	-
10.	Decoupled LTI and periodic compensation of Quadruple - Tank process: Experimental studies.	RP035	DST	-	1,49,415.00	(1,49,415.00)	-	-	-	1,49,415.00
11.	Enhancement of Bandwidth of planar Antennas using Electromagnetic Bandgap Structures	RP036	DST	-	949.00	24,949.00	24,000.00	24,000.00	-	-
12.	Investigation on the field and laboratory corrosion behaviour of steel in structural concretes	RP052	DST	1,23,163.00	-	1,23,163.00	-	-	-	1,23,163.00

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				5	6
13.	Robust Nonlinear Channel Equalization and Identification using Bio-inspired techniques.	RP004	DST	1,20,003.00	-	-	1,20,003.00	-	1,20,003.00	-
14.	Asymmetric synthesis of embellished carbocycles from carbohydrates via intramolecular 1,3 Dipolar cycloaddition reaction: studies towards total synthesis of naplanosine F.	RP023	DST	4.00	-	4.00	4.00	-	4.00	-
15.	Novel Hyperreute Al-si-mg alloys for automotive applications	RP043	DST	8,070.00	-	-	8,070.00	-	8,070.00	-
16.	National Initiative for Design Innovation	RP080	MHRD	45,18,664.00	-	-	45,18,664.00	28,15,581.00	17,03,083.00	-
17.	Investigations of Aerosol Outflow from Indo Gangetic Plain	RP060	ISRO	23,43,158.00	-	-	23,43,158.00	-	23,43,158.00	-
18.	Synthesis, Characterisation and development of red mud-fly ash based geopolymer concrete	RP064	NALCO	6,95,200.00	-	-	6,95,200.00	39,200.00	6,56,000.00	-
19.	Analysis & Design of acoustic absorber linings for underwater application	RP044	NPOL	1,22,930.00	-	-	1,22,930.00	-	1,22,930.00	-
20.	Intramolecular 1,3-dipolar cycloaddition of nitrile oxide to embellished bicyclo[2.2.2] octenones and its derivatives: studies on the synthesis of isotwistane framework of pupukeananes	RP015	Utkal University	23.00	-	-	23.00	-	23.00	-
21.	Study on the development of ultra-sensitive optical fiber accelerometer based on Fiber Bragg grating (FBG) written Trapered Thin-Core Fiber	RP062	RCI	25,750.00	-	-	25,750.00	-	25,750.00	-
22.	Optimization HIP process conditions for 9Cr and 18Cr ODS steel powder	RP073	UGC-DAE	79,819.00	-	-	79,819.00	-	79,819.00	-
23.	"Southampton & National Oceanography centre IIT Bhubaneswar UM/ASS Dartmouth-Earth, Ocean& climate Science"	RP018	UKIERI	1,56,297.00	-	-	1,56,297.00	-	1,56,297.00	-
24.	Neutron Diffraction studies of fields induced magnetic transmission in Er5s3	RP014	UGC-DAE	12,719.00	-	-	12,719.00	-	12,719.00	-
25.	Special Manpower Development Program for Chips to System Design (SMDP-C2SD)	RP089	DEITY	10,66,394.00	-	5,03,969.00	15,70,363.00	15,70,363.00	-	-

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				5	6
26.	Solar Powered DC System for Domestic Electrification and Rural Application	RP081	OREDA	-	54,000.00	54,000.00	-	-	-	-
27.	Design and implementation of MIMO based transceiver for emergency applications	RP097	DST	2,88,551.00	-	-	2,88,551.00	-	2,88,551.00	-
28.	Development of Higher Order Compact Scheme to capture Taylor column phenomena in rotating fluids	RP094	DST	-	89,459.00	-	(89,459.00)	-	-	89,459.00
29.	Pool Boiling Crisis on Porous Coated Surface: An Experimental Study and Model Development	RP091	DST	1,69,686.00	-	-	1,69,686.00	-	1,69,686.00	-
30.	Quantifying the impact of urbanisation and climate change on the microclimate of Bhubaneswar	RP084	DST UKIERI	2,38,407.00	-	-	2,38,407.00	-	2,38,407.00	-
31.	Project Liability	-	-	(72,807.00)	-	-	(72,807.00)	-	(72,807.00)	-
32.	Performance Evaluation of Pavements with Stabilized Bases/Subbases for Rural Roads	RP095	NRRDA	5,27,810.00	-	-	5,27,810.00	5,27,810.00	-	-
33.	Establishment of Innovation-cum-Incubation Centre at IIT Bhubaneswar	RP100	Planning & Coordination Dept. Odisha	7,75,527.00	-	-	7,75,527.00	-	7,75,527.00	-
34.	Visveswaraya PHD Scheme	RP102	Deity	82,075.00	-	5,19,036.00	6,01,111.00	5,52,927.00	48,184.00	-
35.	Simulation of coastal circulation on North-West Bay of Bengal	RP86	DST	-	23,125.00	-	(23,125.00)	-	-	23,125.00
36.	Development of Deep Hole Drilling Technique for Measurement of Residual Stresses and its Validation	RP110	BRNS	30,209.00	-	-	30,209.00	-	30,209.00	-
37.	Fabrication and characterisation of CVD diamond detectors for plasma diagnostics in nuclear fusion reactors	RP122	BRNS	90,706.00	-	-	90,706.00	-	90,706.00	-
38.	Modelling of Chemical Vapour Infiltration (CVI) process for Fabrication of Carbon Reinforced Carbon Matrix Composites	RP108	DRDO	1,70,616.00	-	-	1,70,616.00	-	1,70,616.00	-
39.	Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization	RP113	DST	17,20,007.73	-	0.27	17,20,008.00	17,20,008.00	-	-

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				5	6
1	2				1,235.72					1235.72
40.	A bound-state electronic structure theory approach to investigate the electron detachment initiated by light	RP116	DST	-	1,235.72					
41.	Study of the effects of Climate Change on Hydro-meteorological processes: Droughts and Floods at Different Spatial and Temporal Scales in Eastern India	RP135	DST	9,69,412.00	-	10,00,000.00	19,69,412.00	13,14,256.00	6,55,156.00	
42.	Rice mill wastewater treatment and bio-electricity generation in low cost microbial fuel cell employing ceramic separator	RP123	DST	30,113.00	-		30,113.00		30,113.00	0
43.	Development of enhanced hydrophobic tube bundle with low pressure drop for two phase shell and tube heat exchanger	RP127	DST	-	2,88,383.00		(2,88,383.00)	1,06,260.00	-	3,94,643.00
44.	Bioelectricity recovery during treatment of kitchen waste in combined leach bed reactor and low cost microbial fuel cell	RP131	DST	42,237.00	-		42,237.00		42,237.00	-
45.	Greywater treatment and reuse by combined sequencing batch reactor and solar photocatalytic reactor	RP134	DST	-	84,737.00	60,480.00	(24,257.00)	1,29,683.00	-	1,53,940.00
46.	Droplet impact and splashing on oblique surface	RP137	DST	-	33,794.00	2,71,964.00	2,38,170.00	2,38,170.00	-	-
47.	"Impact of disaster risk reduction activities on livelihood patterns, community resilience and socioeconomic vulnerability in coastal districts of Odisha: A case study"	RP112	ICSSR	64,016.00			64,016.00		64,016.00	
48.	Driver behavior modelling for autonomous driving	RP124	KPIT Technology Ltd	11,607.00	-		11,607.00		11,607.00	-
49.	Atomic Scale Aluminium as Interconnects in Electronic devices	RP114	NALCO	16,02,706.00	-	7,68,000.00	23,70,706.00	1,71,400.00	21,99,306.00	-
50.	Process for development of new applications of Aluminium based Materials in Solar light, solar roof sheets and in Battery having Superior Thermal and Electronic Properties	RP115	NALCO	10,77,080.00	-	12,24,000.00	23,01,080.00	2,04,000.00	20,97,080.00	-

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				5	6
1	2									
51.	Dissimilar joining of Al with Ti and steel using friction stir welding	RP109	Naval Materials Research Laboratory (NMRL)	17,088.00	-		17,088.00		17,088.00	
52.	Structural studies on the interaction of hc5a with the N-terminus peptides of C5aR and C5L2 receptor	RP129	DST	-	-	69,900.00	69,900.00	69,882.00	18.00	-
53.	Design and Development of Optical Microfiber based Acoustic Sensors for Under/Over Water Applications	RP130	DST	1,22,611.18	-		1,22,611.18	21,943.00	1,00,668.18	
54.	Role of cloud physics and dynamics on lifecycle of monsoon low pressure using high resolution observation and modeling	RP132	DST	-	8,107.32	1,48,008.00	1,59,900.68	1,59,900.68	-	-
55.	Recycling of cast alloys scraps to produce alloys with comparable microstructure and properties as that of primary alloys	RP118	UAY of MHRD & NMDC	-	-	1,44,724.00	1,44,724.00	1,44,724.00	-	-
56.	Optimization Of Silos, Bins And Hoppers Designs Through Modelling, Primarily Intended For Iron Ore Storage	RP121	UAY of MHRD & NMDC	15,92,379.00	-	1,44,724.00	17,37,103.00	10,74,618.00	6,62,485.00	
57.	Magnetic properties of self-assembled bivalent, trivalent and mixed-valent [2x2] transition metal grids	RP096	UGC-DAE	2,46,600.00	-		2,46,600.00		2,46,600.00	
58.	Study of hybrid improper ferroelectricity in layered perovskites by high resolution neutron diffraction techniques	RP125	UGC-DAE	1,10,326.00	-		1,10,326.00	1,10,326.00	-	
59.	Design development of light weight wearable wireless acoustic wave sensor array based audio-visual digital stethoscope device	RP136	DST	3,55,969.00			3,55,969.00		3,55,969.00	
60.	Design and Development of Affordable and Movable Solar Photovoltaic (SPV) Water Pumping System	RP119	DA&FP	45,91,095.00	-		45,91,095.00	42,47,124.00	3,43,971.00	-
61.	Synthesis of some natural marine pyrrole alkaloids and molecules inspired from them for multi-drug resistance (MDR) Cancer Cells	RP152	CSIR	-	52,940.00	5,26,893.00	4,73,953.00	4,80,373.00	-	6,420.00

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				8	9
62.	Brush less DC machine based solar pumping system	RP142	DST	-	1,31,748.00	4,07,492.00	2,75,744.00	2,75,744.00	-	-
63.	Design and analysis of reactor for catalytic co-pyrolysis of biomass and plastic: A treatment technique for mixed solid waste	RP143	DST	-	2,47,515.00	-	-	-	-	2,47,515.00
64.	Si/SiC Hybrid semiconductor based solid state transformer for PV application	RP146	DST	-	13,867.00	1,50,706.00	1,36,839.00	1,36,839.00	-	-
65.	Growth and characterization of semiconductor graphene hybrid nanosheets for solar cell applications	RP141	DST	-	33,329.00	-	(33,329.00)	-	-	33,329.00
66.	Measures for Improving the Attractiveness of Pedestrian Facility Accessing Urban Local Bus Stops	RP145	MHRD	8,94,698.74	-	-	8,94,698.74	2,09,037.00	6,85,661.74	-
67.	UI-ASSIST: US-India collaborative for smart distribution system with storage	RP148	IUSSTF	1,47,07,628.00	-	16,85,000.00	1,63,92,628.00	51,31,174.00	1,12,61,454.00	-
68.	Design and study of Nano and micro displacement sensor based on Photonic Crystal Fiber modal interferometer	RP153	ISRO	9,97,074.00	-	-	9,97,074.00	5,67,374.00	4,29,700.00	-
69.	Detection of lighting phenomena and associated process and its now casting	RP150	ISRO	591.00	-	1,00,000.00	1,00,591.00	43,759.00	56,832.00	-
70.	Treatment for domestic wastewater using microphyte assisted vermicfiltration system	RP151	MHRD	4,65,286.00	-	-	4,65,286.00	4,63,630.00	1,656.00	-
71.	UK India clean energy research institute (UKICER)	RP133	MHRD	7,63,516.00	-	7,00,000.00	14,63,516.00	12,37,623.00	2,25,893.00	-
72.	Impact Assessment of climate change on Hydrometeorological processes and water resources of Mahanadi river basin	RP154	DST	-	2,77,617.00	3,10,000.00	32,383.00	-	32,383.00	-
73.	Materials and related storage devices for grid-deprived communities	RP155	DST	799.00	-	-	799.00	-	799.00	-
74.	Investigation on quantification and prevention of high residual stresses and hydrogen assisted cracking in creep strength enhanced ferritic steel welds for low pollution ultra supercritical power plant applications	RP158	DST	4,77,943.00	-	-	4,77,943.00	-	4,77,943.00	-

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				8	9
75.	Value added Electrochemical Devices from Zircon Obtained from Beach Sands of Odisha	RP159	DST	-	10,270.00	-	-	-	-	10,270.00
76.	Performance Improvement of Steam Generator through the Enhanced Hydrophobic Surface	RP149	CPRI	53,224.40	-	-	53,224.40	-	53,224.40	-
77.	Assessment and improvement of rainfall forecast skills over the state of Odisha with special reference to Mahanadi and Brahmani-Baitarani river system	RP104	CSIR	1,72,000.00	-	36,016.00	2,08,016.00	2,08,016.00	-	-
78.	Development of dppz Based Mononuclear Complexes of Iridium and Gold as Potential Luminescent Probe and Anticancer Agent	RP171	CSIR	14,225.00	-	-	14,225.00	1,33,975.00	-	1,19,750.00
79.	Design and Development of Co-axial Synthetic Jet for Electronics Cooling	RP165	DST	2,87,957.00	-	-	2,87,957.00	2,87,957.00	-	-
80.	ION Induced modification of the nanostructured materials and tuning of surface wetting property	RP168	DST	4,89,207.00	-	5,00,000.00	9,89,207.00	4,60,612.00	5,28,595.00	-
81.	Minimization of Storage Requirements in Renewable Rich Smart Microgrid through Coordinated Control of Resources	RP170	DST	15,85,687.00	-	-	15,85,687.00	16,60,045.00	-	74,358.00
82.	Independence polynomials of graphs and associated fractals	RP183	DST	51,851.00	-	-	51,851.00	3,500.00	48,351.00	-
83.	Impact of changing aerosol loading and urbanization on surface temperature and rainfall over select cities over India	RP174	DST	20,39,558.00	-	-	20,39,558.00	5,28,309.00	15,11,249.00	-
84.	FIST Programme - SMS	RP164	DST	34,53,120.00	-	-	34,53,120.00	10,07,690.00	24,45,430.00	-
85.	FIST Programme - SES	RP169	DST	53,29,477.00	-	-	53,29,477.00	11,59,789.00	41,69,688.00	-
86.	Light weight, Reconfigurable Cognitive Radio Platform for M2M and IoT applications	RP180	DST - IMPRINT	11,54,395.00	-	15,00,000.00	26,54,395.00	10,98,100.00	15,56,295.00	-
87.	Prototype of Imaging Radar in UWB	RP181	DST - IMPRINT	26,74,553.00	-	-	26,74,553.00	26,74,553.00	-	-

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				5	6
1	2									
88.	Quality control of HF Radar surface currents for investigation of sub-mesoscale coastal processes and its use for assimilation in the INCOIS model	RP184	INCOIS	-	55,034.00	(55,034.00)				55,034.00
89.	Development of a three dimensional unsteady, compressible flow solver (based on LES methodology) to optimize shape of a launch vehicle for reducing aerodynamic drag and flow induced acoustic noise at transonic Mach numbers	RP182	ISRO	19,798.00	-	-	19,798.00	31,350.00	-	11,552.00
90.	Low temperature electro refining process for production of high purity aluminium (4N and above)	RP178	NALCO	1,04,884.00	-	-	1,04,884.00	42,047.00	62,837.00	-
91.	Improving damping capacity of cast Nickel aluminum Bronze (NAB) alloys	RP172	NRB, DRDO	5,43,657.00	-	-	5,43,657.00	1,96,837.74	3,46,819.26	
92.	Stress Corrosion Cracking (SSC) evaluation of Materials for Naval application: New insights from Double Cantilever Beam (DCB) technique	RP176	NRB, DRDO	4,54,244.00	-	-	4,54,244.00	1,60,167.00	2,94,077.00	
93.	Spectra of multigraphs and their applications to complex networks	RP162	DST	1,20,831.00	-	-	1,20,831.00	1,20,831.00	-	
94.	Hub & Spoke Consortia for e2W and e3W Electric Drives - Design, Development and Prototyping of Advanced IM and Synchronous Reluctance Drives and Vehicle Integration for e2W and e3W Applications	RP163	NFTDC	2,99,201.00			2,99,201.00		2,99,201.00	
95.	Development of Metal Matrix Nano-Composites using selective Laser Melting process	RP166	DST	30,29,227.00	-	-	30,29,227.00	25,000.00	30,04,227.00	
96.	Impact of Lysine acetylation in Hsp 16.3 on its structure, chaperone function and the growth, survival as well as pathogenesis of Mycobacterium tuberculosis	RP167	DST	1,92,100.00	-	1,75,000.00	3,67,100.00	4,11,693.00	-	44,593.00

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## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				5	6
1	2									
97.	Online Corrosion Monitoring in naval structures	RP173	NRB, DRDO	2,18,625.00	-	-	2,18,625.00	75,000.00	1,43,625.00	
98.	Development of Cost Effective process and known for production of Al-Mg alloys of enhanced mechanical properties, incorporating graphene/graphene oxide, suitable for automobile application	RP185	NALCO	-	2,23,758.00	10,94,400.00	8,70,642.00	12,19,486.00	-	3,48,844.00
99.	Development of continuous gradient Functionally Graded Materials (FGMs) by using gravity die casting under Teachers Associateship for Research Excellence (TARE)	RP186	DST	1,05,099.00	-	3,35,000.00	4,40,099.00	1,31,346.00	3,08,753.00	
100.	Design and Development of Hybrid "PCM-Synthetic Jet" based Heat Sink for Electronic Cooling	RP187	DST	8,95,338.40	-	6,00,000.00	14,95,338.40	13,65,643.00	1,29,695.40	
101.	Effect of laser shock peening on the fatigue behavior of Nitinol shape memory alloy	RP188	DST	3,118.00	-	12,00,000.00	12,03,118.00	8,21,942.00	3,81,176.00	
102.	Dynamic Analysis and Design of Dynamically Balanced Gait Controller for Lower Limb Exoskeleton	RP189	DST	7,61,071.00	-	10,00,000.00	17,61,071.00	14,47,965.00	3,13,106.00	
103.	Development of Heterodimetallic Complexes and their Theranostic and Catalytic Aspects	RP190	DST	6,80,955.00	-	10,00,000.00	16,80,955.00	13,57,571.00	3,23,384.00	
104.	Smart Grid Security Control Using Nature-Inspired Decentralised Cooperative Metaheuristic Strategies	RP191	DST	18,221.00	-	-	18,221.00	-	18,221.00	
105.	Development of long-term high resolution Land Use Land Cover (LULC) data for Bhubaneswar peri-urban & rural areas and future projection	RP179	DST	6,68,738.00	-	30,00,000.00	36,68,738.00	7,67,599.00	29,01,139.00	
106.	Development of stand-alone, cost effective conversion coatings for Magnesium alloys	RP175	UAY MHRD	21,40,877.00	-	-	21,40,877.00	12,52,631.00	8,88,246.00	
107.	Evaluation and development of hyperlocal forecasting systems for smart city Bhubaneswar and neighbourhood regions	RP193	DST	1,13,794.00	-	4,00,000.00	5,13,794.00	5,59,613.00	-	45,819.00

## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				5	6
108.	Urban Modelling: Development of multi-sectorial simulation lab and science based decision support framework to address urban environment issues	RP202	CDAC Under Meity	22,39,744.00	-	33,04,950.00	55,44,694.00	32,46,077.00	22,98,617.00	
109.	Design and Development of tools for detection and prevention of cyber-attacks in Smart Grid Energy Management Systems (EMS)	RP204	CPRI	7,47,155.00	-	16,50,000.00	23,97,155.00	4,54,862.00	19,42,293.00	
110.	Urban Flood Modelling - A Web-based Decision Tool Integrating UAV Based Information	RP194	DST	2,10,147.00	-	-	2,10,147.00	71,920.00	1,38,227.00	
111.	A Novel fluorescence-based assay for rapid detection and quantification of Exosomes	RP195	DST	49,986.00	-	6,39,000.00	5,89,014.00	3,15,272.00	2,73,742.00	
112.	Development of heat transfer enhancement methods at boiling and evaporation on horizontal tube bundles for falling films and forced flow of liquids	RP223	DST	10,70,295.40	-	-	10,70,295.40	1,30,806.00	9,39,489.40	
113.	Centre for H2 Solutions - Materials Energy Systems (H2 - M & ES)	RP192	DST-NFTDC	2,39,602.00	-	7,60,000.00	9,99,602.00	3,68,367.00	6,31,235.00	
114.	Mechanical behaviour of additively manufactured hierarchical micro-architected metamaterials and composites for structural and functional applications	RP196	DST	27,58,024.00	-	-	27,58,024.00	8,07,592.00	19,50,432.00	
115.	Improved surface hardness of bus body panels: A simple route by shot peening	RP197	NALCO	2,21,538.00	-	-	2,21,538.00	1,89,170.00	32,368.00	
116.	Single chip test set for portable 5G network analyzers	RP198	DST	38,73,505.00	-	4,00,000.00	42,73,505.00	22,32,785.00	20,40,720.00	
117.	Development of Aluminium-based Materials for Energy Storage Application-Supercapacitor	RP199	NALCO	2,86,446.00	-	-	2,86,446.00	1,00,000.00	1,86,446.00	
118.	Energy Efficiency in Agricultural pumping with smart ground water management through monitoring and targeting aquifers	RP200	EESL	4,77,466.02	-	6,81,813.00	11,59,279.02	7,21,426.00	4,37,853.02	

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## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				5	6
119.	Development of a sub-micrometer resolution electro hydrodynamic jet printer for printing customized polymeric structures	RP201	DST-IMPRINT II	2,58,058.00	-	-	2,58,058.00	2,34,333.00	23,725.00	
120.	Seismic Design of Pipelines	RP203	NDMA-BIS	1,50,595.00	-	1,05,600.00	2,56,195.00	1,61,648.00	94,547.00	
121.	High Pure Nano-Alumina for Solar Cell Anti-Reflection Coatings and Reinforcing Aluminum	RP205	NALCO	5,17,750.00	-	-	5,17,750.00	75,000.00	4,42,750.00	
122.	Life Cycle and performance assessment of cold mix roads	RP206	NRIDA	9,02,342.00	-	-	9,02,342.00	8,21,496.00	80,846.00	
123.	Development of hybrid smart grid communication network for last mile connectivity: A D2D and PLC approach	RP207	DST	3,88,987.00	-	4,85,290.00	8,74,277.00	5,82,504.00	2,91,773.00	
124.	Grid Interconnection Protocols for Largely Dispersed Minigrids/Microgrids for Electrification of Rural India (MultiGrid)	RP208	DST	7,30,000.00	-	-	7,30,000.00	3,39,736.00	3,90,264.00	
125.	Quadratic boost converter based multi-input power converter interface for renewable applications	RP209	DST	4,13,592.00	-	7,36,460.00	11,50,052.00	10,35,520.00	1,14,532.00	
126.	The inter-relationship between atmospheric aerosol distribution and tropical intraseasonal oscillations over the Indian region	RP210	DST	16,73,040.00	-	-	16,73,040.00	16,07,781.00	65,259.00	
127.	Cost effective ICT-Data analytics system for efficient management of water and fertilizer in precision agriculture	RP211	DST-IMPRINT II	31,05,240.00	-	-	31,05,240.00	2,43,333.00	28,61,907.00	
128.	Taylor column phenomena of axially translating sphere in a rotating fluid - a numerical study	RP212	DST	3,44,332.00	-	5,00,000.00	8,44,332.00	6,31,621.00	2,12,711.00	
129.	Design and development of lightweight and crashworthy hierarchical materials and structures	RP213	DST	5,49,870.00	-	4,31,660.00	9,81,530.00	7,27,746.00	2,53,784.00	
130.	Design and development of metal-oxide hetero-structures for enhancement of photovoltaic energy conversion efficiency	RP214	DST	13,95,848.00	-	3,50,000.00	17,45,848.00	13,54,537.00	3,91,311.00	



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## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				8	9
1	2									
131.	Space-time domain decomposition methods for non-linear cahn-hilliard equation and their implementations in parallel computers	RP215	DST	1,58,780.00	-	50,000.00	2,08,780.00	2,78,044.00	-	69264
132.	Design, Preparation and Evaluation of S (Sulphur) and P (Phosphorous) Mediated Functional Solids in the Form of Co-crystals, Metal-Organic Frameworks (MOFs) Structures and Covalent Organic Frameworks (COFs)	RP216	DST	1,44,531.00	-	-	1,44,531.00	1,93,356.00	-	48825
133.	Design and Development of Dynamic Phasor and Frequency Estimator Complying IEEE C37.118 standard under Teachers Associateship for Research Excellence (TARE)	RP217	DST-TARE	1,92,681.00	-	3,00,000.00	4,92,681.00	4,05,139.00	87,542.00	
134.	Blending traditional and newer synthetic methods for regio-/stereoselective synthesis of functionalized carbo-/hetero-cycles: Application towards the asymmetric total synthesis of some complex bioactive terpenoid-alkaloids	RP218	DST	11,99,727.00	-	10,00,000.00	21,99,727.00	20,03,553.00	1,96,174.00	
135.	Prediction of impact dynamics of projectile and armour plate with accurate thermal modelling	RP219	DRDO	10,60,600.00	-	-	10,60,600.00	9,79,100.00	81,500.00	
136.	Thermal Characterization of gun barrel during dynamic firing	RP220	DRDO	10,44,320.00	-	-	10,44,320.00	7,38,570.00	3,05,750.00	
137.	Subsurface variability of the Bay of Bengal from observations and models: relationship with Indian Monsoon and Cyclogenesis	RP221	DST	3,47,427.00	-	4,00,000.00	7,47,427.00	6,86,995.00	60,432.00	
138.	Quasi-permutation representations and Gelfand pair?	RP222	DST-MATRICES	-	10,694.00	2,20,000.00	2,09,306.00	20,000.00	1,89,306.00	-
139.	Design and characterization of an AI-TI based high entropy alloys	RP224	DST	6,44,114.00	-	-	6,44,114.00	4,02,316.00	2,41,798.00	
140	High Resolution satellite mapping of particulate pollution (PM205) Hotspots over Bhubaneswar	RP225	SPCB	20,20,424.00	-	-	20,20,424.00	12,83,862.00	7,36,562.00	

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## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				8	9
1	2									
141.	Designing of novel transition metal oxide based ferroelectric perovskites for visible light photovoltaic application	RP226	DST	21,02,984.00	-	-	21,02,984.00	18,23,595.00	2,79,389.00	
142.	A study of harmonic analogue of certain univalent and analytic functions	RP227	DST-MATRICES	1,206.00	-	-	1,206.00	-	1,206.00	
143.	Study of carrying capacity of dolphins/habitat preference and carrying capacity of tourist boats in Chilika Lake	RP228	Chilika Wildlife Division, Govt. of Odisha	6,30,513.00	-	-	6,30,513.00	79,287.00	5,51,226.00	
144.	Assimilation of Ground Radar Data with Weather Research and Forecast Model in Information Theoretic Framework	RP229	Ministry of Earth Sciences	4,79,487.00	-	-	4,79,487.00	4,80,884.00	-	1397
145.	Functional consequences of cancer testis antigen ATAD2 in pancreatic cancer	RP230	DBT	-	433.00	5,40,000.00	5,39,567.00	3,60,547.00	1,79,020.00	
146.	Saraswati 2.0 - Identifying best available technologies for decentralized wastewater treatment and resource recovery for India	RP231	DST	68,10,585.00	-	-	68,10,585.00	5,09,784.00	63,00,801.00	-
147.	Add on Radar for Jamming UAVs	RP232	MoD	12,70,840.00	-	-	12,70,840.00	12,47,244.00	23,596.00	
148.	Design and development of compact and lightweight jet pumps for aviation application with enhanced efficiency	RP233	CTTC	51,366.50	-	4,74,960.00	5,26,326.50	2,81,351.62	2,44,974.88	-
149.	Spectrum of random band matrices	RP234	DST Inspire	5,74,808.00	-	-	5,74,808.00	63,386.00	5,11,422.00	
150.	Stochastic Material Degradation based Large Deformation Finite Element Analysis of FRP Composites in Hydrothermal Environment using Thickness Stretching Kinematic Model- Special Investigation of Tidal Turbine Blades	RP235	DST	8,19,040.00	-	-	8,19,040.00	7,55,510.00	63,530.00	
151.	Developing a process for determining the polymer content in waste plastic modified bituminous mixes	RP236	NRIDA	1,06,312.00	-	-	1,06,312.00	1,06,312.00	-	

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## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				5	6
152.	Development of Formal Verification Tools for Proactive Assessment and Prevention of Security Threats in Enterprise Networks	RP237	DRDO	10,38,435.00	-	-	10,38,435.00	7,35,670.00	3,02,765.00	
153.	National Post-Doctoral Fellowship to Dr. Haimabati Das	RP238	DST	7,41,271.00	-	9,65,600.00	17,06,871.00	8,65,600.00	8,41,271.00	
154.	Efficient cache aided data delivery using deep reinforcement learning	RP239	DST	12,49,054.00	-	-	12,49,054.00	9,99,753.00	2,49,301.00	
155.	Achieving reliable communications in the Internet of things: an erasure-correction coding approach	RP240	DST	19,31,090.00	-	-	19,31,090.00	14,31,690.00	4,99,400.00	
156.	Synthesis of Homo, Di and Tri (ABA type) Block Co-polymers of Less Activated Monomers by Reversible Deactivation Radical Polymerization	RP241	DST	6,67,245.00	-	5,50,000.00	12,17,245.00	7,53,342.00	4,63,903.00	
157.	Metal Complexes of Macrocyclic/ Acyclic Ligands as T1 and ParaCEST-based Contrast Agent for MRI	RP242	DST	8,73,258.00	-	2,00,000.00	10,73,258.00	7,30,870.00	3,42,388.00	
158.	Multiscale (QM/MM) modelling approach to understand the bacterial resistance towards beta-lactam based antibiotics	RP243	DST	4,94,304.00	-	7,00,000.00	11,94,304.00	5,04,261.00	6,90,043.00	
159.	Photovoltaic assisted water harvesting from moisture using biometric surface	RP244	DST	21,12,513.00	-	-	21,12,513.00	7,04,348.00	14,08,165.00	
160.	National Post-Doctoral Fellowship to Dr. Surjit Sahoo	RP245	DST	7,72,059.00	-	9,60,000.00	17,32,059.00	10,31,981.00	7,00,078.00	
161.	Design Of Dynamic MAC and PHY SoC for Low Power and Long Range networks	RP246	MEITY	12,13,138.00	-	-	12,13,138.00	1,00,466.00	11,12,672.00	
162.	Growth of semiconductor heterostructure nanolayers for solar cell application	RP247	SERB	5,94,523.00	-	-	5,94,523.00	7,20,392.00	-	1,25,869.00
163.	Controlling Heat Flow at Nanoscale: A Versatile Approach to Generate Sustainable Energy From Waste Heat	RP248	SERB	10,01,000.00	-	-	10,01,000.00	7,99,123.00	2,01,877.00	

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## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				5	6
164.	Middle Pleistocene to Holocene dynamics of Antarctic Circumpolar Current and its implications to global climate: Evidence from Southern Pacific	RP249	SERB	19,39,400.00	-	-	19,39,400.00	7,32,984.00	12,06,416.00	
165.	C-H, C-O Activation and C1-Platform Chemicals: Synthetic and Mechanistic Studies on Two-metal Synergy	RP250	SERB	30,92,200.00	-	-	30,92,200.00	19,35,866.00	11,56,334.00	
166.	Fast Charging High Energy Density Lithium Ion Batteries with Nanoporous Silicon Anodes	RP251	SERB	38,86,000.00	-	-	38,86,000.00	4,13,025.00	34,72,975.00	
167.	High-speed and energy efficient CMOS transceiver design for full-duplex chip-to-chip serial link	RP252	SERB-DST	16,24,440.00	-	-	16,24,440.00	6,62,563.00	9,61,877.00	
168.	Topological Phases Based on Metall-Organic Framework	RP253	SERB-DST	67,84,500.00	-	-	67,84,500.00	2,64,810.00	65,19,690.00	
169.	Contact Geometry Framework for Thermodynamics, Statistical Mechanics and Dissipative Dynamics?	RP254	SERB-DST	2,00,000.00	-	-	2,00,000.00	1,87,512.00	12,488.00	
170.	Interaction of vortex beam with quantum emitters coupled to photonic nanowire	RP255	SERB-DST	11,38,710.00	-	-	11,38,710.00	11,28,500.00	10,210.00	
171.	Computational alloy design and mechanical property study of complex concentrated alloys	RP256	NMRL	5,53,200.00	-	-	5,53,200.00	2,46,538.00	3,06,662.00	
172.	"Ultrasonic assisted laser additive manufacturing of nickel based super alloys and its online temperature monitoring to control the directionality in grain growth, anisotropy in mechanical properties and elemental segregation; and enhancement of the component life by laser shock peening.	RP257	SERB-DST	12,90,535.00	-	-	12,90,535.00	11,09,776.00	1,80,759.00	
173.	Employing metallurgical silicon to develop new class of silicon composites for structural applications	RP258	MoM	30,57,000.00	-	-	30,57,000.00	3,29,094.00	27,27,906.00	

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## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				5	6
174.	Design and Implementation of Artificial Intelligence Powered Internet-of-things (IoT) Climate-Aware Health Monitoring and Disease Prediction System for Sustainable Health and Wellness Management	RP259	ICMR	21,64,400.00	-	-	21,64,400.00	5,07,718.00	16,56,682.00	
175.	National Post Doctoral Fellowship (N-PDF), (Life Sciences) to Dr. Amit Kumar Mishra	RP260	SERB-DST	8,94,964.00	-	-	8,94,964.00	8,92,792.00	2,172.00	
176.	Development of Specialty Fiber Modal Interferometer as a Thermometer for Harsh Environment	RP261	IGCAR	28,12,678.00	-	-	28,12,678.00	22,58,462.00	5,54,216.00	
177.	An enquiry into the problems in Geometric Function Theory	RP262	SERB-DST	6,20,113.00	-	-	6,20,113.00	2,46,073.00	3,74,040.00	
178.	Identification, synthesis and validation of potential ATAD2 ligands as a therapeutic strategy for stomach cancer	RP263	ICMR	11,87,200.00	-	-	11,87,200.00	4,73,244.00	7,13,956.00	
179.	Development of Internet of Things Enabled Phasor and Power Quality Monitoring Devices for Smart Power Grids	RP264	SERB-DST	8,27,080.00	-	-	8,27,080.00	2,60,711.00	5,66,369.00	
180.	Indigenous development of controlled inter-ferometry based high-temperature industrial flow measurement device	RP265	DST	48,32,640.00	-	-	48,32,640.00	5,39,870.00	42,92,770.00	
181.	Bone health classification using machine learning	RP266	SERB-DST	18,79,076.00	-	-	18,79,076.00	7,30,450.00	11,48,626.00	
182.	Development of PIEZOELECTRIC Ceramic-Polymer flexible composite based energy harvester for smart automobiles	RP267	CSIR	9,58,333.00	-	-	9,58,333.00	4,74,733.00	4,83,600.00	
183.	Design and Development of Deep Learning based App for Early Warning of Blindness	RP268	SERB-DST	13,16,000.00	-	-	13,16,000.00	3,57,951.00	9,58,049.00	
184.	Development of in-reflection fiber based inter-ferometer for residual stress measurement	RP269	DST	9,69,920.00	-	-	9,69,920.00	1,94,758.00	28,75,162.00	
185.	Design and Development of a Software Defined Radar for Road Safety Applications	RP270	OMVD, Govt. of Odisha	13,44,000.00	-	-	13,44,000.00	3,42,422.00	10,01,578.00	

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## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				5	6
186.	Evaluation of Coal Tar Derived Hard/Soft Carbon Anodes for Power Li-ion Batteries	RP272	Tata Steel Ltd	3,70,312.50	-	9,61,331.25	13,31,643.75	4,72,208.75	8,59,435.00	
187.										
188.	Effect of climate change on convectively coupled equatorial waves and MJO and their influence on extreme rainfall events over Indian region	RP271	MoES	-	-	15,46,520.00	15,46,520.00	4,16,648.00	11,29,872.00	
189.	Designing of computer vision guided intelligent traffic systems for smart cities	RP273	SERB-DST	-	-	28,00,000.00	28,00,000.00	10,66,422.00	17,33,578.00	
190.	Prototype Development, Fabrication and validation of AI-Graphene Composite Battery with Cooling Plates	RP274	NALCO	-	-	38,23,200.00	38,23,200.00	18,00,200.00	20,23,000.00	
191.	Design and Development of Cost-Effective Floating Solar Energy Generation Technologies and Infrastructure for Achieving Nearly Zero-Energy Villages	RP275	DST	-	-	98,72,720.00	98,72,720.00	49,38,560.00	49,34,160.00	
192.	Speech to Speech Translation for Tribal Languages using Deep Learning Framework	RP276	MoEIT	-	-	18,51,000.00	18,51,000.00	4,59,297.00	13,91,703.00	
193.	Pliocene dynamics of the southern Pacific and its linkages with the low latitude climate	RP277	NCPOR	-	-	8,26,672.00	8,26,672.00	3,90,938.00	4,35,734.00	
194.	Indigenous Development of a novel low-cost Solar PV panel self cleaning device	RP278	DST	-	-	31,55,760.00	31,55,760.00	11,81,399.00	19,74,361.00	
195.	Renewal Energy-EMPOWERING European and Indian communities (RE-EMPOWERED)	RP279	DST	-	-	1,30,14,680.00	1,30,14,680.00	3,13,690.00	1,27,00,990.00	
196.	Load distribution, design and joint configurations for Load Grounding through Human Worn Exo-Frames	RP280	DRDO	-	-	25,00,000.00	25,00,000.00	8,65,119.00	16,34,881.00	
197.	Design, Development, and Demonstration of Solar-PV On-board and Off-Board Electric Rickshaw Charging Infrastructure	RP281	DST	-	-	35,48,732.00	35,48,732.00	1,33,640.00	34,15,092.00	
198.	Development of Synthetic Strategies to Diverse N-Heterocyclic Fused ISOXAZOLES; Evaluation of Biological Activities And Photophysical Studies	RP283	CSIR	-	-	6,38,000.00	6,38,000.00	3,88,168.00	2,49,832.00	

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				5	6
199.	FIST Program: Discipline of Physics, SBS, IIT Bhubaneswar	RP284	DST	-	-	2,00,00,000.00	2,00,00,000.00	-	-	2,00,00,000.00
200.	EU Erasmus DIVERSASIA project - Embracing diversity in ASIA through the adoption of inclusive open practices	RP285	Nottingham Trent University	-	-	33,57,350.00	33,57,350.00	1,414.00	-	33,55,936.00
201.	Utilization of ITR Doppler Weather Radar Products in high resolution mesoscale model for prediction of severe weather over Chandipur- Phase II	RP286	ITR	-	-	5,00,000.00	5,00,000.00	2,74,246.00	-	2,25,754.00
202.	FIST Program: SMMME, IIT Bhubaneswar	RP287	DST	-	-	1,00,00,000.00	1,00,00,000.00	-	-	1,00,00,000.00
203.	Band and nanostructural engineering of doped Mg2Si composite for optimized thermoelectric and mechanical properties	RP288	SERB-DST	-	-	7,41,250.00	7,41,250.00	66,250.00	-	6,75,000.00
204.	DHR-GIA Proposal: Development of an Affordable Wearable IoT-GPS Enabled Intelligent Vital Signs Monitor for Smart Health Monitoring Services	RP289	ICMR	-	-	30,35,990.00	30,35,990.00	-	-	30,35,990.00
205.	Development of Coordinated Protection and Control Scheme for Microgrid	RP290	DST	-	-	12,90,000.00	12,90,000.00	1,47,419.00	-	11,42,581.00
206.	Development of process for 4N High Pressure pure alumina (HPA) and substrate making for its validation in LED applications	RP291	JNARDDC C/o NALCO	-	-	13,59,360.00	13,59,360.00	5,39,360.00	-	8,20,000.00
207.	A thermodynamically consistent model for designing high-performance ceramic laminates with tailored residual stresses	RP292	SERB-DST	-	-	9,20,180.00	9,20,180.00	69,840.00	-	8,50,340.00
208.	Titanium alloy based fine featured Cranial implant development using Incremental Forming and ECM	RP293	SERB-DST	-	-	18,67,254.00	18,67,254.00	1,02,174.00	-	17,65,080.00
209.	Enhancing the formability of Mg alloys by microstructural engineering using CPFEM approach	RP294	SERB-DST	-	-	24,13,000.00	24,13,000.00	1,28,000.00	-	22,85,000.00

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
				3	4				5	6
210.	Design and synthesis of cocrystals/salts of anticancer drugs to improve physicochemical and pharmacokinetic properties: crystal engineering approach	RP295	SERB-DST	-	-	3,35,000.00	3,35,000.00	25,000.00	-	3,10,000.00
211.	Investigation on the role of residual stresses on shape memory effect and superelasticity in shape memory alloy welds	RP296	SERB-DST	-	-	3,35,000.00	3,35,000.00	25,000.00	-	3,10,000.00
212.	Design and Development of a Screw type Wheeled Snake-like Robot to Access the inaccessible Areas inside the Boiler Tubes and other Enclosures	RP297	CPRI	-	-	30,30,000.00	30,30,000.00	3,16,000.00	-	27,14,000.00
213.	Hypercyclic and chaotic behavior of adjoint multiplication operators on Banach spaces of analytic functions	RP298	SERB-DST	-	-	8,00,072.00	8,00,072.00	65,552.00	-	7,34,520.00
214.	Creep and fatigue of selective laser melted Ti-6242 alloy	RP299	ARDB-DRDO	-	-	35,29,723.00	35,29,723.00	5,06,300.00	-	30,23,423.00
215.	Rational Design Flexible Energy Storage Devices Using Multiscale Simulations and Machine Learning	RP300	SERB-DST	-	-	10,71,000.00	10,71,000.00	56,000.00	-	10,15,000.00
216.	Machine Learning Based Model for Optimization of PCM-Metal Foam Composite Energy Storage System	RP301	SERB-DST	-	-	12,78,767.00	12,78,767.00	1,21,544.00	-	11,57,223.00
217.	Development of cost-effective energy management strategies for a green hydrogen based electric vehicle charging station	RP302	SERB-TARE	-	-	3,35,000.00	3,35,000.00	25,000.00	-	3,10,000.00
218.	Stability and contact problems of inflatable structures under DST INSPIRE Faculty Fellowship	RP303	DST	-	-	32,12,528.00	32,12,528.00	1,17,959.00	-	30,94,569.00
219.	Development of computational method for finding the exact result on the queueing model involving heavy-tail distributions using complex analysis	RP304	SERB	-	-	2,20,000.00	2,20,000.00	61,000.00	-	1,59,000.00
220.	Design and Development of Doppler Radar System for Inbore Projectile Velocity Measurement	RP305	DRDO	-	-	22,36,135.00	22,36,135.00	1,86,762.00	-	20,49,373.00

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 1: Sponsored Project (2021-22) (Contd...)

(Amount in ₹)

Sl. No.	Name of the Project	Project No.	Sponsor Name	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
				Credit	Debit				Credit	Debit
1	2	3	4	5	6	7	8	9		
221.	Geometric optimization of finite time quantum thermodynamic processes under different control protocols	RP306	SERB	-	-	2,20,000.00	2,20,000.00	20,000.00	2,00,000.00	
222.	DST-Storage MAP: Automation and AI/ML-Assisted development of solid state battery technology	RP307	DST	-	-	26,96,677.00	26,96,677.00	28,717.00	26,67,960.00	
223.	Analysis and Design of elastodynamic meta-materials for vibro-acoustic control	RP308	NPOL	-	-	5,84,100.00	5,84,100.00	89,100.00	4,95,000.00	
224.	Evaluation of Bridge approach settlement mitigation schemes through field application	RP309	NRIDA	-	-	14,99,040.00	14,99,040.00	1,25,440.00	13,73,600.00	
225.	Performance evaluation of cement concrete pavements in rural roads	RP310	NRIDA	-	-	9,66,400.00	9,66,400.00	97,600.00	8,68,800.00	
226.	Development of adaptive motor controller for PMSM based three-wheeler Electric Vehicle	RP311	Meity	-	-	6,77,600.00	6,77,600.00	61,600.00	6,16,000.00	
227.	Novel AI Nano-structure based electrodes for battery and supercapacitor devices	RP312	DST	-	-	3,50,000.00	3,50,000.00	-	3,50,000.00	
228.	Experimental and theoretical investigations into the local structure and magnetic phases vis-a-vis transitions in multicomponent AlCuFeMn alloy using ab-initio density functional theory calculations, high energy synchrotron and neutron diffractive techniques	RP313	UGC DAE CSR	-	-	45,000.00	45,000.00	-	45,000.00	
229.	Design and Development of Grid Interactive Adaptive Controls for Frequency Regulation from Large Scale PV Systems	RP314	CPRI	-	-	28,40,000.00	28,40,000.00	2,05,820.00	26,34,180.00	
230.	X-ray and Ion-scattering Methods for Material Characterization	RP315	SERB	-	-	5,00,000.00	5,00,000.00	-	5,00,000.00	
<b>Total:</b>				<b>18,93,11,622.87</b>	<b>18,69,045.04</b>	<b>15,49,64,635.52</b>	<b>34,26,66,234.07</b>	<b>12,07,47,384.79</b>	<b>22,37,43,134.28</b>	<b>20,83,305.72</b>

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 2 : Consultancy Project (2021-22)

(Amount in ₹)

Sr. No.	Name of the Project	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year	Closing Balance	
		Credit	Debit				Credit	Debit
1	2	3	4	5	6	7	8	9
1.	Proof Checking of POT cum PTFE Bearing	10,112.00	-	-	10,112.00	-	10,112.00	-
2.	Testing of Fibre shorcrete panels for energy absorption test	52,585.00	-	-	52,585.00	-	52,585.00	-
3.	Consultancy for investigation in ARC, Charbatia	20,020.00	-	-	20,020.00	-	20,020.00	-
4.	Testing of Fibre shorcrete panels for energy absorption test	43,820.00	-	-	43,820.00	-	43,820.00	-
5.	Robotic application in boiler NDT assessment	29,250.00	-	-	29,250.00	-	29,250.00	-
6.	Design of weighbridge & moveable floor crane	12,905.00	-	-	12,905.00	-	12,905.00	-
7.	Database for Principal Technical Agency & State Technical Agency for states of Jharkhand and odisha	12,94,229.00	-	-	12,94,229.00	10,68,525.00	2,25,704.00	-
8.	Design and testing aerated autoclaved fly concrete blocks (AAC)	2,366.00	-	-	2,366.00	-	2,366.00	-
9.	Preparation of Foundation Design for special type tower in 220KV Budhipadar -Burla line to be diverted near K Plot.	1.00	-	-	1.00	-	1.00	-
10.	Vetting of Structural Analysis of design & drawing for the new Residential complex at HAL Koraput.	-	2.00	-	-	-	-	2.00
11.	Proof Checking of design of pile foundations for location No. 16A and 24 of 220KV transmission line tower from Bidanasi (Cutback) in the Bank of Kathajodi to Nuapada (Cutback) in the Spill Zone.	22,718.00	-	-	22,718.00	-	22,718.00	-
12.	Design of Two number of 220KV transmission line tower foundation between kanta-palli to Hindalco in the Mahanadi River.	71,802.00	-	-	71,802.00	-	71,802.00	-
13.	Proof Checking of Design of River bed pile foundation for location no. 10,12 & 15 of 220KV transmission line from Bidanasi to Cutback Grid Substation.	33,091.00	-	-	33,091.00	-	33,091.00	-
14.	Technical and function test of Gagan enabled GPS PDAs	1,08,798.00	-	-	1,08,798.00	1,07,132.00	1,666.00	-
15.	Design of experimental road using fly ash	27,000.00	-	-	27,000.00	-	27,000.00	-
16.	Development of structural grade concretes utilizing Iron slag as sand replacements (Jata Steel, Jaipur, Odisha)	294.00	-	-	294.00	-	294.00	-
17.	Proof Checking of Structural Items of Rambili Project	30.00	-	-	30.00	-	30.00	-
18.	Implementation of water quality monitoring and management system	(16,715.00)	-	16,715.00	-	-	-	-
19.	Design and developing a portable wireless noise level and vibration monitors	20,909.00	-	-	20,909.00	20,909.00	-	-
20.	Accretion control to increase the sponge iron production to the target annual capacity of 390000 Mt	15,75,033.00	-	-	15,75,033.00	14,40,000.00	1,35,033.00	-
21.	Third party audit on the fly ash generation & utilization by TPPs in Odisha for the year 2015-16	6,786.00	-	-	6,786.00	-	6,786.00	-

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 2 : Consultancy Project (2021-22) (Contd...)

Sr. No.	Name of the Project	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year		Closing Balance	
		Credit	Debit			Credit	Debit		
1	2	3	4	5	6	7	8	9	
22.	Database for Principal Technical Agency & State Technical Agency for states of Jharkhand and Odisha	41,950.00	-	-	41,950.00	-	41,950.00	-	
23.	Mix Design of cement treated base/ sub-base for PMGSY road in Odisha	2,18,757.00	-	-	2,18,757.00	-	2,18,757.00	-	
24.	Work on technical support of Cold-Mix technology	3,15,034.00	-	-	3,15,034.00	-	3,15,034.00	-	
25.	Geotechnical investigations on soil/rock samples	1,40,000.00	-	-	1,40,000.00	-	1,40,000.00	-	
26.	Proof Checking of 19m RCC T Beam ROB for railway siding Project of M/s Emami Cement Ltd.	9,375.00	-	-	9,375.00	-	9,375.00	-	
27.	Evaluation of Terrazyme (A bioenzyme) stabilized roads constructed under PMGSY	5,48,671.00	-	-	5,48,671.00	8,800.00	5,39,871.00	-	
28.	Dyke height raising of Fly-Ash pond	58,588.00	-	-	58,588.00	-	58,588.00	-	
29.	Distributed SDN controller with end to end security	4,39,683.00	-	-	4,39,683.00	-	4,39,683.00	-	
30.	Design proof checking of five no of railway bridges of RITES Ltd in connection with construction of railway siding of NTPC Lara STTP	45,000.00	-	-	45,000.00	-	45,000.00	-	
31.	Process control and optimization at Jindal Stainless Ltd, Jajpur, Odisha	6,88,938.00	-	-	6,88,938.00	-	6,88,938.00	-	
32.	Technical scrutiny of structural designs for the grade separator structure at Khandagiri Chowk on NH-16, Bhubaneswar, Odisha	3,595.00	-	-	3,595.00	-	3,595.00	-	
33.	Third party audit on fly ash generation and utilization of TTPs in Odisha for the year 2016-17	26,500.00	-	-	26,500.00	-	26,500.00	-	
34.	Design and Testing of Smart Audio Processing and Communication Systems for Voice Processing and Surveillance Applications	90,000.00	-	-	90,000.00	90,000.00	-	-	
35.	Proof Checking of the design and drawings of 4 Nos. of RCC box culvert and suggestion of suitable soil stabilization for culvert No.4, at Biju Patnaik International Airport, Bhubaneswar	30,000.00	-	-	30,000.00	-	30,000.00	-	
36.	A Model Based Decision Support & Control System for Accretion Control to increase the sponge iron production to the target annual capacity of 4,25,000 Mt through a R&D Project	6,61,390.00	-	-	6,61,390.00	-	6,61,390.00	-	
37.	Implementation of Advanced Machine Learning Algorithms for Cluster Expansion	13,11,943.00	-	21,47,600.00	34,59,543.00	19,41,743.00	15,17,800.00	-	
38.	Process related improvements at PPL	3,42,717.92	-	-	3,42,717.92	18,351.00	3,24,366.92	-	
39.	Safety Analysis of Steel Pipeline Crossing Railroad between Surat and Vadodara	35,000.00	-	-	35,000.00	-	35,000.00	-	
40.	Construction of new road at the missing link portion of NH81 along the approved alignment between Harischandrapur & Eastern approach of Kalindri - Bridge from Km 46.550 to Km 59.697 in the district of Malda West, Bengal on EPC m	80,000.00	-	-	80,000.00	-	80,000.00	-	
41.	Development of FEM model for Design improvement of multi layered Baffle	12,31,186.00	-	-	12,31,186.00	-	12,31,186.00	-	

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 2 : Consultancy Project (2021-22) (Contd...)

Sr. No.	Name of the Project	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year		Closing Balance	
		Credit	Debit			Credit	Debit		
1	2	3	4	5	6	7	8	9	
42.	Residual stress measurement by Deep-hole drilling technique	(10,282.00)	-	30,80,000.00	30,69,718.00	16,51,321.00	14,18,397.00	-	
43.	Checking of bearing capacity of pile for LPG Bottling Plant, IOCL	1,01,695.00	-	-	1,01,695.00	1,01,695.00	-	-	
44.	Engineering operation philosophy for Long-term Mud Management	9,08,770.00	-	7,42,560.00	16,51,330.00	14,16,350.00	2,34,980.00	-	
45.	Core sample analysis of composite clay lining of secured engineering landfill for disposal of hazardous waste	10,691.00	-	-	10,691.00	-	10,691.00	-	
46.	Testing suitability of dredged sand for use in Road embankment & subgrade	20,250.00	-	-	20,250.00	-	20,250.00	-	
47.	Product quality improvement program at Deem Roll Tech. Ltd.	40,000.00	-	-	40,000.00	-	40,000.00	-	
48.	Design and development of Flow measurement Solution	1,82,203.00	-	-	1,82,203.00	-	1,82,203.00	-	
49.	Coriolis flowmeter study	1,10,170.00	-	-	1,10,170.00	-	1,10,170.00	-	
50.	Stability study in tailings dams and scrutiny of dry stacking procedure of red mud	10,22,224.00	-	-	10,22,224.00	30,148.00	9,92,076.00	-	
51.	Verification of basic and detailed engineering design of RWSS mega water project of Rairakhol	24,90,000.00	-	-	24,90,000.00	18,01,650.00	6,88,350.00	-	
52.	Stability analysis and method of improving the bearing capacity from KM 56.00 to KM 57.10 - Package 2A (Construction of road bed, station buildings, passenger amenities, minor bridges, general electrical works in connection with new BG rail line from Kendrapara (In) KM 42.040 to Dumuku Km 57.000 on Khurda road division of East Coast Railway in the State of Odisha, India	1,31,872.00	-	-	1,31,872.00	-	1,31,872.00	-	
53.	Design Verification of Boudh WSP	90,000.00	-	-	90,000.00	-	90,000.00	-	
54.	Structural vetting of bridges and retaining walls of 2x25MW Maithan Right Bank Thermal Power Project for M/s L&T Ltd	20,00,000.00	-	-	20,00,000.00	18,56,250.00	1,43,750.00	-	
55.	Technical support for rehabilitation of defunct NH-5, Balugaon from 0/0 Km to 8/0 Km	2,50,000.00	-	-	2,50,000.00	2,43,250.00	6,750.00	-	
56.	Verification of Hydraulic & structural design and drawings of RWSS Mega Water Project of Puri District	20,00,000.00	-	-	20,00,000.00	16,21,375.00	3,78,625.00	-	
57.	Mix Design for NTPC-BHEL Project at BARH	-	-	-	-	-	-	-	
58.	Checking of the stability of foundation and superstructure of pipe conveyor for MCL	33,750.00	-	-	33,750.00	-	33,750.00	-	
59.	"Design of Cell filled concrete pavements for rural roads carrying heavy traffic	2,19,185.00	-	-	2,19,185.00	-	2,19,185.00	-	
60.	Proof check and scrutiny of design and drawings of 1 major bridge substructure and foundation in connection to NTPC-LARA Project	48,750.00	-	-	48,750.00	-	48,750.00	-	
61.	Study of ground water table and surface water discharge at Tata Steel Kalinganagar	10,00,000.00	-	-	10,00,000.00	10,00,000.00	-	-	
62.	Design and development of gaseous oxygen heat exchanger for semi crogenic stage.	1,95,567.00	-	-	1,95,567.00	-	1,95,567.00	-	
63.	Database for Principal Technical Agency & State Technical Agency for states of Jharkhand and Odisha	25,63,857.00	-	73,08,614.00	98,72,471.00	55,54,653.00	43,17,818.00	-	

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 2 : Consultancy Project (2021-22) (Contd...)

Sr. No.	Name of the Project	Opening Balance				Receipts/ Recoveries during the year	Total	Expenditure during the Year		Closing Balance	
		Credit		Debit				Credit	Debit	Credit	Debit
		3	4	5	6						
1	2										
64.	Proof checking of the design and drawing of ROB for KMC-RKD	3,67,500.00		5,42,062.00	9,09,562.00	9,09,562.00	9,00,374.00		9,188.00		
65.	Technological interventions to reduce human animal conflict	44,55,000.00		1,79,000.00	46,34,000.00	46,34,000.00	4,83,862.00		41,50,138.00		
66.	Structural vetting of residential towers as per the BDA, Odisha	42,373.00		-	42,373.00	42,373.00	-		42,373.00		
67.	Structural vetting of proposed bridges for PIR projects and consultancy (P) Ltd	1,41,190.00		97,650.00	2,38,840.00	2,38,840.00	2,38,840.00		-		
68.	Soil core lab testing	87,849.00		-	87,849.00	87,849.00	69,624.00		18,225.00		
69.	Preparation of catchment area treatment plan for the Dubuna Sakradithi iron and manganese ore mines of OMC Ltd.	28,125.00		-	28,125.00	28,125.00	-		28,125.00		
70.	Proof checking of detailed design and drawing for construction of New Greenfield Airport at Rajkot, Gujarat	16,00,000.00		9,73,500.00	25,73,500.00	25,73,500.00	3,13,500.00		22,60,000.00		
71.	Proof check and scrutiny of design and drawings of bridge substructure and foundation (Br.3 and Br.79) in connection with NTPC-LARA project	14,719.00		-	14,719.00	14,719.00	-		14,719.00		
72.	Carrying out concrete mix designs for new greenfield airport at Hiraasaar, Rajkot (Gujarat)	7,82,115.00		-	7,82,115.00	7,82,115.00	-		7,82,115.00		
73.	Residual Stress Measurement on Rotor Surface at various Locations (Base Metal & Weld) & Modelling of Rotor Weldment-For AUSC Projects	5,97,000.00		-	5,97,000.00	5,97,000.00	5,22,900.00		74,100.00		
74.	Proof checking of design and drawing of substructure and foundation of 5 major bridge at Brajragnagar, Jharsuguda	11,29,533.00		-	11,29,533.00	11,29,533.00	8,02,000.00		3,27,533.00		
75.	Carrying out the third party quality assurance consultancy (TPQAC) for the construction and development of Kendriya Vidyalaya Schoolat Jagatsinghpur, Odisha	5,12,325.00		-	5,12,325.00	5,12,325.00	-		5,12,325.00		
76.	Evaluation of PPC, PSC and Composite cements of Dalmia Cements	1,37,000.00		-	1,37,000.00	1,37,000.00	1,02,270.00		34,730.00		
77.	Study the cause of defect on the wing walls of Br. 5 over Angul-Balaram Section of MCRL corridor and suggestion on remedial measures for the structure	2,80,000.00		-	2,80,000.00	2,80,000.00	2,74,750.00		5,250.00		
78.	"Carrying out vetting of projects developed by Utkal developers Bhubaneswar	1,88,155.00		-	1,88,155.00	1,88,155.00	1,88,155.00		-		
79.	Design and drawing of building of SSRM and HRO, RMS 'N' Division, Cuttack, Odisha	3,38,983.00		-	3,38,983.00	3,38,983.00	3,38,983.00		-		
80.	Vetting of traffic density study traffic density study for environmental clearance for TATA-Bhusan township at Angul	1,20,000.00		-	1,20,000.00	1,20,000.00	1,20,000.00		-		
81.	Assessment study for issue of "no increase in pollution load" certificate to Paradip Refinery cum Petrochemical complex for processing crude oil above name plate capacity of 15 MMTPA = 10% max	1,84,615.00		1,88,800.00	3,73,415.00	3,73,415.00	3,31,415.00		42,000.00		
82.	Product development and technical support for cold mix Asphalt Application in Eastern India	5,77,000.00		-	5,77,000.00	5,77,000.00	2,78,000.00		2,99,000.00		
83.	Development of static model for Tata steel BOF	10,38,450.00		-	10,38,450.00	10,38,450.00	3,00,000.00		7,38,450.00		

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 2 : Consultancy Project (2021-22) (Contd...)

Sr. No.	Name of the Project	Opening Balance				Receipts/ Recoveries during the year	Total	Expenditure during the Year		Closing Balance	
		Credit		Debit				Credit	Debit	Credit	Debit
		3	4	5	6						
1	2										
84.	Design and formulation of coating using molecular modelling and simulation	8,49,562.00		12,50,000.00	20,99,562.00	20,99,562.00	7,17,101.00		13,82,461.00		
85.	Impact Assessment of WHO's framework convention on Tobacco control (FCTC) in India-A call to action report 2021	3,80,179.00		-	3,80,179.00	3,80,179.00	3,40,009.00		40,170.00		
86.	Proof checking of Design and drawing of substructure for bridge in connection with Angul-Sukinda new BG Rail link Project	6,70,000.00		-	6,70,000.00	6,70,000.00	6,70,000.00		-		
87.	Vetting of design note on slope stability	68,640.00		-	68,640.00	68,640.00	68,640.00		-		
88.	Suggesting measures for road failure at a hill section of NH-57	22,523.00		-	22,523.00	22,523.00	-		22,523.00		
89.	Surface Run-Off Management studies at Daitari Iron Ore Mine, South Kallipani Chromite Mine and Sukrangi Chromite Mines, M/s OMC Ltd	8,50,000.00		-	8,50,000.00	8,50,000.00	8,50,000.00		-		
90.	Proof checking of design and drawing of six Nos of minor bridges (Non-RDSO standard RCC Box) at Brajragnagar, Jharsuguda	12,175.00		-	12,175.00	12,175.00	-		12,175.00		
91.	Stability test of ash dikes	4,40,000.00		-	4,40,000.00	4,40,000.00	3,98,750.00		41,250.00		
92.	Testing of spray concrete panels with PP fibers	2,34,000.00		-	2,34,000.00	2,34,000.00	-		2,34,000.00		
93.	Carrying out vetting of projects developed by Utkal Developers Bhubaneswar for Patrapada.	1,88,155.00		-	1,88,155.00	1,88,155.00	1,70,515.00		17,640.00		
94.	Proof check and scrutiny of designs and drawings of substructure for 3 nos of major bridges in connection with NTPC-LARA project	7,69,000.00		-	7,69,000.00	7,69,000.00	7,54,581.00		14,419.00		
95.	Carrying out Mix-designs of concrete for the Widening & Strengthening of Sankara Bypass Road	1,20,000.00		-	1,20,000.00	1,20,000.00	1,20,000.00		-		
96.	Proof check of Major Bridge No. 8b of PEQCTPL siding at Paradeep	1,65,000.00		-	1,65,000.00	1,65,000.00	1,49,531.00		15,469.00		
97.	Rehabilitation and Up-gradation of Road from Km 0.000 to Km 16.290 (Length - 16.290 km) of Manu-Laicherra section of NH 44A to two lane with Paved shoulder in the state of Tripura on EPC basis (pkg-1)- safety consultant service reg.	1,80,000.00		-	1,80,000.00	1,80,000.00	-		1,80,000.00		
98.	Vetting of soil investigation report for the work: Soil Investigation For Provision of Deficient Integrated Security Watch Towers Under GE (P) Ezhimala at INA Ezhimala	40,000.00		-	40,000.00	40,000.00	39,250.00		750.00		
99.	Design of CGBM using Provenca 907, a ready mix grout	1,48,000.00		-	1,48,000.00	1,48,000.00	-		1,48,000.00		
100.	Dike & Stability study of red mud storage pond-A.	6,48,000.00		-	6,48,000.00	6,48,000.00	-		6,48,000.00		
101.	Environmental Audit of secured landfill in smelter plant NALCO at Angul	1,12,500.00		1,72,575.00	2,85,075.00	2,85,075.00	2,53,629.00		31,446.00		
102.	Consultancy for corrective action for cracks developed during launching of pre-cast rcc box segment (span 2 x 6.0 x 6.0 m).	1,35,000.00		-	1,35,000.00	1,35,000.00	1,35,000.00		-		
103.	Structural Scrutiny of Railway Buildings.	1,00,000.00		-	1,00,000.00	1,00,000.00	1,00,000.00		-		

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 2 : Consultancy Project (2021-22) (Contd...)

Sr. No.	Name of the Project	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year		Closing Balance	
		Credit	Debit			7	8	9	
1	2	3	4	5	6	7	8	9	
104.	Proof checking of the structural design & drawing of PEB Hangar at Biju Patnaik international Airport, Bhubaneswar	3,80,000.00	-	-	3,80,000.00	3,72,875.00	7,125.00	-	
105.	Vetting of box culvert design of Jypore airport under RCS-UDAN (Long Term)	1,50,000.00	-	-	1,50,000.00	1,50,000.00	-	-	
106.	Measurement of factor of safety for failings dams of RMP & ash pond at Vedanta Limited	4,14,000.00	-	-	4,14,000.00	-	4,16,000.00	-	
107.	Vetting of GTI rock fall protection netting specifications "D-WR	88,000.00	-	-	88,000.00	-	88,000.00	-	
108.	Development of Hydrophobic Concrete for Seabird Project	3,50,000.00	-	-	3,50,000.00	3,50,000.00	-	-	
109.	Environmental Audit of CHWTSDF	3,43,200.00	-	-	3,43,200.00	3,11,025.00	32,175.00	-	
110.	Soil core lab testing	95,904.00	-	-	95,904.00	86,913.00	8,991.00	-	
111.	Testing of TMT Rebar.	3,00,000.00	-	-	3,00,000.00	3,00,000.00	-	-	
112.	Proof checking of foot over bridge and overhead piping crossing railway track for Tata Steel	-	-	8,55,500.00	8,55,500.00	8,55,500.00	-	-	
113.	Mix design for Construction of Substructure and Superstructure at Chandipur	-	-	1,18,000.00	1,18,000.00	1,18,000.00	-	-	
114.	Vetting of new South-west red mud pond and PWL (Process Water Lake) designs	-	-	27,85,658.00	27,85,658.00	25,61,104.00	2,24,554.00	-	
115.	Development of Concrete Mix Designs for IIM Sambalpur	-	-	3,68,160.00	3,68,160.00	1,28,160.00	2,40,000.00	-	
116.	Proof checking of the design of Railway Foot Over Bridge (Steel Structure) at AMB station yard	-	-	1,18,000.00	1,18,000.00	1,18,000.00	-	-	
117.	Mix designs for M30 grade of concrete using PPC, PSC and SRPC at Chandipur	-	-	1,53,400.00	1,53,400.00	1,53,400.00	-	-	
118.	Audit on geotechnical investigation, calculations of pile capacity, piling practices, pile test procedures, and suggesting measures for improvement in pile drilling process	-	-	1,90,275.00	1,90,275.00	61,275.00	1,29,000.00	-	
119.	Design of non-shrink concrete for Tata Steel Kalinganagar project	-	-	2,76,120.00	2,76,120.00	2,76,120.00	-	-	
120.	Analog Design for Serial Communication	-	-	2,94,528.00	2,94,528.00	2,94,528.00	-	-	
121.	Proof checking the Designs and Drawings of Minor Bridges in connection with Jaroll-Jakhpura railway doubling project	-	-	35,19,350.00	35,19,350.00	16,89,350.00	18,36,000.00	-	
122.	Vetting of Electrical and E&M Designs and Drawings of Puri-Ganjam Project	-	-	3,09,750.00	3,09,750.00	1,31,767.52	1,77,982.48	-	
123.	No increase in pollution load certificate for constructing 2nd red mud pond	-	-	1,62,250.00	1,62,250.00	52,250.00	1,10,000.00	-	
124.	Environmental Audit of secured landfill facility at Paradip Refinery, Paradip, Odisha	-	-	1,16,820.00	1,16,820.00	40,666.00	76,154.00	-	
125.	Understanding Road Traffic and Pedestrian Anomalies	-	-	19,37,829.00	19,37,829.00	19,37,829.00	-	-	
126.	Product performance study of Dalmia Cements	-	-	14,06,000.00	14,06,000.00	4,89,442.00	9,16,558.00	-	
127.	Technical vetting of CAPEX Plan of TPCODL	-	-	1,59,300.00	1,59,300.00	1,45,800.00	13,500.00	-	

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 2 : Consultancy Project (2021-22) (Contd...)

Sr. No.	Name of the Project	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year		Closing Balance	
		Credit	Debit			7	8	9	
1	2	3	4	5	6	7	8	9	
128.	Construction & upgradation to 2-lane with paved shoulder from Design Km. 67+805(End of 83rd Km Tunnel) to Km 80+675 (Start of Kistwar Bypass) of 12.870 Km length on Khellani-Kishtwar-Chattroo section of NH-244 in the Union Territory of Jammu & Kashmir on	-	-	6,19,500.00	6,19,500.00	6,19,500.00	-	-	
129.	Water management at MGM Minerals Limited, Dhenkanal	-	-	6,00,000.50	6,00,000.50	1,93,221.00	4,06,779.50	-	
130.	Water management at MGM Minerals Limited, Dhenkanal	-	-	3,00,000.00	3,00,000.00	96,610.00	2,03,390.00	-	
131.	Consultancy Services for proof checking of the Design Calculations and Working drawings of the bridges and culverts on Non-Government Railway line of The Dhamra Port Company Limited at Dhamra, Odisha	-	-	9,95,625.00	9,95,625.00	3,20,625.00	6,75,000.00	-	
132.	Composite roll feasibility study of M/s Deem Rool Technology Pvt Ltd	-	-	3,82,320.00	3,82,320.00	3,19,320.00	63,000.00	-	
133.	Structural vetting of the Swosti Premium Beach Resorts, a B+G+13 storied resort project situated at Sipsurubuli, Puri.	-	-	8,11,250.00	8,11,250.00	7,95,025.00	16,225.00	-	
134.	Surface Run-Off Management Study at Gandhamardan Iron Ore Mine Block-A & Block B, M/s OMC Ltd located in Tekoi Tahasil of Keonjhar District Odisha	-	-	8,85,000.00	8,85,000.00	2,85,000.00	6,00,000.00	-	
135.	Scrutiny of structural design of Sudarshan Vatika	-	-	2,65,500.00	2,65,500.00	2,65,500.00	-	-	
136.	No increase in pollution load certificate for additional products of Portland composite cement (PCC), Masonry cement (MC), Sulfate resisting Portland cement (SRPC).	-	-	4,72,000.00	4,72,000.00	4,32,000.00	40,000.00	-	
137.	Mix design for construction of Lord Shiva Statue at Jajpur Town	-	-	1,41,600.00	1,41,600.00	49,292.00	92,308.00	-	
138.	Proof Checking for Shiv Statue at Jajpur, Odisha	-	-	2,36,000.00	2,36,000.00	76,000.00	1,60,000.00	-	
139.	Proof check for design and detailed engineering and execution of piping, civil & structural jobs related to NG firing facility in GTs at PDR	-	-	1,75,000.00	1,75,000.00	63,771.00	1,11,229.00	-	
140.	Monitoring and remedial measures for controlling settlement on the embankment for Kolkata Metro	-	-	1,18,000.00	1,18,000.00	1,33,000.00	-	15,000.00	
141.	Study of failure of beams of Track Hopper & proposal for rectification.	-	-	5,25,000.00	5,25,000.00	1,69,068.00	3,55,932.00	-	
142.	Vetting of Comprehensive Traffic Density Report for M/s Assotech Sun Growth Adobe LLP at Rudrapur, Bhubaneswar, Odisha for Environmental Clearance.	-	-	88,500.00	88,500.00	88,500.00	-	-	
143.	Testing of Construction Materials for proposed Rail connectivity of Spur No 3 & 4, Jagannath Washery under Jagamath Area, Talcher	-	-	3,71,700.00	3,71,700.00	3,71,700.00	-	-	
144.	Concrete Mix Design for the construction of 3km long three lane flyover near Joda	-	-	2,30,100.00	2,30,100.00	80,100.00	1,50,000.00	-	
145.	Vetting of Electrical and E&I Designs and Drawings for Rairakhol block of Sambalpur district of Odisha Project	-	-	4,13,000.00	4,13,000.00	1,33,000.00	2,80,000.00	-	
146.	Vetting of Electrical and E&I Designs and Drawings for Bramhagiri & Krushnaprasad block of Puri district of Odisha Project	-	-	4,13,000.00	4,13,000.00	1,33,000.00	2,80,000.00	-	



# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 2 : Consultancy Project (2021-22) (Contd...)

Sr. No.	Name of the Project	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year		Closing Balance	
		Credit	Debit			Credit	Debit		
1	2	3	4	5	6	7	8	9	
147.	Vetting/Consultancy for - "Execution of Rural Piped Water Supply Project pertaining to Ranipada cluster of Banpur Block of Khorda district including five years Operation & Maintenance	-	-	6,75,000.00	6,75,000.00	2,17,373.00	4,57,627.00	-	
	Establishment of Chair Position at IIT Bhubaneswar by OPTCL	-	-	9,73,500.00	9,73,500.00	3,13,500.00	6,60,000.00	-	
148.	Structural vetting of 5 nos. of bridges of ESL Steel Ltd	-	-	4,72,000.00	4,72,000.00	1,52,000.00	3,20,000.00	-	
149.	Vetting of 2x300 MSY tanks for BPCL at Kondapally, Vijayawada	-	-	1,68,740.00	1,68,740.00	1,68,740.00	-	-	
150.	Mix designs for Cuttack Water Supply Project	-	-	2,73,001.00	2,73,001.00	95,034.00	1,77,967.00	-	
151.	Proof checking of slope stability and settlement analysis of formation between Ballia Bansidin section of North Eastern Railway	-	-	1,00,000.00	1,00,000.00	1,00,000.00	-	-	
152.	Vetting of Geotechnical Investigation Report Conducted at Kenjaru Village in Mangaluru, Kamataka	-	-	1,70,675.00	1,70,675.00	1,67,782.00	2,893.00	-	
153.	Soil Sample Analysis (Landfill PH-III-B)	-	-	1,41,458.00	1,41,458.00	1,07,892.00	33,566.00	-	
154.	Proof Checking of Bridge No.02 (1 X 6 m RCC Slab + 1 X 48.0 m Bow String Girder + 1 X 6 m RCC Slab)	-	-	2,95,000.00	2,95,000.00	95,000.00	2,00,000.00	-	
155.	Proof check for major bridge no. 12.13 and 35 for the work "Development for railway infrastructure up to 4 MTPA plant expansion" of Vedanta Limited, Jharsuguda	-	-	6,63,750.00	6,63,750.00	2,13,750.00	4,50,000.00	-	
156.	Proof checking of 3.0m wide foot over bridge (steel structure) across at Singapur Road station as part of execution of 3rd Railway Line project from TIC-VZM in East Coast Railway	-	-	1,18,000.00	1,18,000.00	38,000.00	80,000.00	-	
157.	Vetting of Comprehensive Traffic Density Report for M/s Alishan Realcon Pvt Ltd at Nuahata, Dist Cuttack, Odisha for Environmental Clearance	-	-	76,700.00	76,700.00	76,700.00	-	-	
158.	Carrying out the vetting of PEB at Hindustan Coca Cola Beverages Pvt Ltd (Building structure design vetting under NBC- for building > 15meters)	-	-	2,36,000.00	2,36,000.00	76,000.00	1,60,000.00	-	
159.	Manufacturing of Building Blocks	-	-	8,49,600.00	8,49,600.00	2,95,754.00	5,53,846.00	-	
160.	Proof check of bridge no. 4 (ROB) and 5 (Over creek) for IPRCL Bhubaneswar	-	-	5,36,900.00	5,36,900.00	1,86,900.00	3,50,000.00	-	
161.	Proof checking of flexible pavement design of Duburi-Chandikhol Section of NH-53	-	-	1,76,410.00	1,76,410.00	61,410.00	1,15,000.00	-	
162.	Proof checking of Design and drawing of foundation (pile and pile cap) for one pier at location of ROB at MCL, Talcher	-	-	1,18,000.00	1,18,000.00	1,18,000.00	-	-	
163.	Vetting of the technical report on slope stabilization at slope protection at Noney, Manipur	-	-	88,500.00	88,500.00	60,000.00	28,500.00	-	
164.	Vetting of Traffic Assessment Study for Environmental Clearance of Residential Project of Utkal Realtor Pvt Ltd located at Palhal	-	-	76,700.00	76,700.00	24,700.00	52,000.00	-	

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 2 : Consultancy Project (2021-22) (Contd...)

Sr. No.	Name of the Project	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year		Closing Balance	
		Credit	Debit			Credit	Debit		
1	2	3	4	5	6	7	8	9	
165.	Vetting of Traffic Assessment Study for Environmental Clearance of Residential Project of Utkal Builders Limited located at Patia	-	-	76,700.00	76,700.00	24,700.00	52,000.00	-	
166.	Water Quality Analysis and interpretation to check its suitability for construction purpose	-	-	39,825.00	39,825.00	39,150.00	675.00	-	
167.	SS310 Testing by IIT BBSR for SAP HRS TOWER and TFR PIPING	-	-	1,17,500.00	1,17,500.00	43,740.00	73,760.00	-	
168.	Carrying out Proof Checking Overhead Structural Utility Gallery for Tata Steel Kalinganagar	-	-	5,90,000.00	5,90,000.00	1,90,000.00	4,00,000.00	-	
169.	Technical viability of use of Raw Petroleum coke in Manufacturing of ECP/Soderberg Paste	-	-	38,350.00	38,350.00	13,350.00	25,000.00	-	
170.	Proof checking of Design and Drawings for a Two Lane bridge at Km 432/25-27 over Rly track between Mancheswar-Vanivhar	-	-	2,50,000.00	2,50,000.00	80,509.00	1,69,491.00	-	
171.	Vetting of Traffic Assessment Report for M/s Shuvam Construction (P) Ltd., building project at Ghatikia for Environmental Clearance	-	-	76,700.00	76,700.00	24,700.00	52,000.00	-	
172.	Vetting of Traffic Assessment Report for M/s Tinumala Infrastructure and Development (P) Ltd., residential building project at Subudhipur and Shankarpur, for Environmental Clearance	-	-	76,700.00	76,700.00	24,700.00	52,000.00	-	
173.	Design vetting of the technical report for the proposed gabion wall reinforced by the anchor	-	-	2,06,500.00	2,06,500.00	66,500.00	1,40,000.00	-	
174.	Accretion control in kins to enhance campaign life from 60 days to 90 days	-	-	9,44,000.00	9,44,000.00	3,04,000.00	6,40,000.00	-	
175.	Engineering operations philosophy for long term mud management of pond B	-	-	4,14,180.00	4,14,180.00	1,33,380.00	2,80,800.00	-	
176.	PMGSY Projects through Laboratory Testing"	-	-	15,93,000.00	15,93,000.00	5,13,000.00	10,80,000.00	-	
	<b>Total</b>	<b>4,39,19,833.92</b>	<b>2.00</b>	<b>4,81,46,500.50</b>	<b>9,20,66,334.42</b>	<b>4,92,72,331.52</b>	<b>4,28,09,002.90</b>	<b>15,002.00</b>	

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 3 : Sponsored Project (2021-22)

Sr. No.	Name of the Project	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year		Closing Balance	
		Credit	Debit			Credit	Debit		
1	2	3	4	5	6	7	8	9	
1.	Unnat Bharat Abhiyan Cells	15,86,270.00	-	-	15,86,270.00	25,766.00	15,60,504.00	-	-
2.	Design and Impementation of a Wireless Sensor Network Testbed	73,088.00	-	-	73,088.00	-	73,088.00	-	-
3.	Domain Decomposition Methods for Non-linear Problems	41,206.00	-	-	41,206.00	-	41,206.00	-	-
4.	Significance of monitoring molten pool thermal history and its influence on evolution of microstructure and mechanical properties in case of Titanium based ceramic metal matrix composite coatings deposited on nickel based super alloys using laser cladding process	89,924.00	-	-	89,924.00	-	89,924.00	-	-
5.	Modelling the Mechanical Behavior Macro and Nanoporous Metals	7,350.00	-	-	7,350.00	-	7,350.00	-	-
6.	Development of vibration assisted machining setup to address surface integrity issues on hard turned parts	5,37,023.00	-	-	5,37,023.00	1,94,477.00	3,42,546.00	-	-
7.	Design, development and analysis of integrated dual-output converter (IDOC) Technology for Renewable Integration	2,36,273.00	-	-	2,36,273.00	-	2,36,273.00	-	-
8.	Application of low altitude unmanned aerial vehicle (UAV) photogrammetry in rapid urban mapping for flood preparedness, damage assessment and sustainable development planning	9,23,376.00	-	-	9,23,376.00	-	9,23,376.00	-	-
9.	Runtime Monitoring of (Timed) Properties	5,97,855.00	-	-	5,97,855.00	11,735.00	5,86,120.00	-	-
10.	Finite Element based integrated analysis tool for Carbon Nano-tube (CNT) reinforced composites using refined kinematic model	2,85,122.00	-	-	2,85,122.00	-	2,85,122.00	-	-
11.	High directivity compact microstrip couplers using distributed realization of lumped elements	6,29,779.00	-	-	6,29,779.00	36,430.00	5,93,349.00	-	-
12.	Influence of Grain size and gain size distribution on the creep behaviour of Mg	20,050.00	-	-	20,050.00	-	20,050.00	-	-
13.	A study on fly ash-geosynthetics interaction characteristics pertinent to bridge abutment	9,08,000.00	-	-	9,08,000.00	-	9,08,000.00	-	-
14.	TAML:Timing Analysis with Machine Learning	10,00,000.00	-	-	10,00,000.00	8,91,996.00	1,08,004.00	-	-
15.	Smart grid data analytics and algorithms for advanced management of T&D systems in the context of large scale renewable integration and demand side management	10,00,000.00	-	-	10,00,000.00	-	10,00,000.00	-	-
16.	Development of non-toxic, cost-effective and stable mid-temperature (>300°C) thermoelectric materials (both p & n-type) with enhanced thermoelectric figure-of-merit" (SiGe alloys and Hf-free Half-Heusler Alloys).	10,00,000.00	-	-	10,00,000.00	19,860.00	9,80,140.00	-	-
17.	Angel and Auto-commutator word map	5,65,695.00	-	-	5,65,695.00	2,74,916.00	2,90,779.00	-	-
18.	Multiphysics analysis of cracked photovoltaic solar cells	6,73,773.00	-	-	6,73,773.00	54,815.00	6,18,958.00	-	-

# Indian Institute of Technology Bhubaneswar

## SCHEDULE- 3A 3 : Sponsored Project (2021-22)

Sr. No.	Name of the Project	Opening Balance		Receipts/ Recoveries during the year	Total	Expenditure during the Year		Closing Balance	
		Credit	Debit			Credit	Debit		
1	2	3	4	5	6	7	8	9	
19.	Effect of texture and grains size on mechanical and corrosion properties of Mg and its alloys	9,78,881.00	-	-	9,78,881.00	-	9,78,881.00	-	-
20.	Investigation the role of aseismic slip in the generation of fluid-induced earthquakes - A combined modelling, observational and data-assimilation based study	1,03,013.00	-	-	1,03,013.00	-	1,03,013.00	-	-
21.	Development of novel two-layered pervious concrete for pavement applications	5,75,649.00	-	-	5,75,649.00	24,337.00	5,51,312.00	-	-
22.	Application of textured tools under cryogenic cooling environment for the machining of difficult to machine material	9,26,376.00	-	-	9,26,376.00	4,88,351.00	4,38,025.00	-	-
23.	Development of Multiscale modelling methods to predict quantum properties of 2D material heterostructures	10,00,000.00	-	-	10,00,000.00	5,24,200.00	4,75,800.00	-	-
24.	CHL black holes and rademacher expansion	10,00,000.00	-	-	10,00,000.00	-	10,00,000.00	-	-
25.	Phase field modelling of precipitate coarsening in superalloys: Effect of composition dependent mobility	9,99,200.00	-	-	9,99,200.00	-	9,99,200.00	-	-
26.	Optimization of Service Completion Time for Distributed Gradient Descent Algorithm in the Presence of Straggler Nodes	2,95,604.34	-	-	2,95,604.34	-	2,95,604.34	-	-
27.	Modeling of topologically interlocked high-performance composites	-	-	-	-	80,386.00	-	80,386.00	-
28.	Compact, efficient and optimized wide bandgap semiconductor-based power converter solutions for power quality improvements.	-	-	-	-	91,778.00	-	91,778.00	-
<b>Total:</b>		<b>1,60,53,507.34</b>	<b>-</b>	<b>-</b>	<b>1,60,53,507.34</b>	<b>27,19,047.00</b>	<b>1,35,06,624.34</b>	<b>1,72,164.00</b>	<b>-</b>

# Indian Institute of Technology Bhubaneswar

Income and Expenditure Account (Hostel) for the Year Ended 31st March 2022

(Amount in ₹)

Income	Current Year 2021-22	Previous Year 2020-21
Bank Intrest	11,35,290.00	7,77,456.77
Student Semester Registration Fees	10,22,44,115.00	5,01,14,483.00
Boarding charges	2,21,455.00	4,32,208.00
Fine to Student & Contractor	2,05,500.00	-
License fees recovery	7,67,700.00	1,57,050.00
Other Income	24,58,500.00	
<b>Total</b>	<b>10,70,32,560.00</b>	<b>5,14,81,197.77</b>

Expenditure	Current Year 2021-22	Previous Year 2020-21
Hostel Office Staff Salary	73,92,046.00	72,44,016.00
Housekeeping charges	1,34,01,968.00	1,07,25,764.00
Mess Expenses	6,11,21,965.00	1,36,62,183.00
Repair & Maintainance	13,39,216.00	4,64,770.00
Student Welfare	4,63,931.00	26,286.00
News Paper & Periodcals	13,732.00	3,831.00
Office Contingency	25,74,009.00	4,09,872.00
AMC Charges	2,36,837.00	2,51,332.00
Pest control service	3,76,110.00	94,400.00
Audit Fees	17,700.00	17,700.00
Printing & Stationary	1,60,074.00	-
Bank charges	11,203.98	9,606.25
Security Service exp	1,05,46,920.00	
<b>Total</b>	<b>9,76,55,711.98</b>	<b>3,29,09,760.25</b>

## Notes





**INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR**

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