



**GOVERNMENT ENGINEERING COLLEGE
RAIPUR (C.G.)**

**MINUTES OF
12TH MEETING OF BOARD OF GOVERNORS
FOR TEQIP – III PROJECT**

**HELD ON
19TH NOVEMBER, 2020**

PLACE- GEC RAIPUR

Minutes of Meeting of 12th BoG, meeting held on 19th November, 2020

The 12th Board of Governors meeting was held on 19th November, 2020 at Principal's Chamber, and following members attended the meeting:

Member Present: On 19th November 2020

1. Prof. (Dr.) Rajat Moona - Chairman
2. Dr. K. K. Verma - Member
3. Shri A. K. Ahirwar - Member
4. Dr. Y. P. Banjare - Member
5. Shri G. R. Sahu - Member
6. Dr. R.S. Parihar - Member & Secretary

TEQIP III 12/1- Confirmation and Approval of minutes of 11th TEQIP III BoG meeting held on 28th August, 2020

Minutes of 11th TEQIP III BoG meeting held on 28th August, 2020 was placed before the BoG. The minute was circulated among member of the BoG and no addition, alteration, deletion or modification were received. The minutes were confirmed by the BoG.

Action Taken: Approved.

TEQIP III 12/2- Activities performed after 28th August, 2020

The details of work that performed after 28th August, 2020 has been placed for discussions before the BoG under following sub heads Procurement, Academic and CRS and it was thoroughly examined by BoG.

1. Procurement

1.1 Update procurement plan

Few packages could not be materialised due to non-availability or insufficient bidders listed in GeM. The new 2nd procurement plan of Rs. 41,61,350/- and 3rd procurement plan of Rs. 31,61,000/- was proposed as below and procurement activity was initiated with prelim approval from Chairman Sir.

2nd Proposed List of items for Rs 41,61,350/-

SN	Dept.	Item Name	Unit Price (Aprox)	Qty.	Price Rs.
1	EEE	Function generator	16000	30	480000
2	EEE	Digital storage oscilloscope	50000	10	500000
4	Mech	Wireless collar microphone	7000	3	21000
5	Mech	Rockwell Testing Machine	499990	1	499990

6	Mech	Portable hand Angle Cutter (Electric)	6000	1	6000
7	Mech	Bosch metal Cutter	3511	2	7022
8	Mech	Grinding machine	24250	1	24250
9	Mech	Drill machine	2699	2	5398
10	Mech	Machine vice	15298	2	30596
11	Mech	Petrol & Diesel Engine model	20500	1	20500
12	Mech	5- Axis Robot Training System	482000	1	482000
13	Mech	Light duty radial drilling machine	400000	1	400000
14	Mech	Absorption spectrophotometer	434594	1	434594
15	CSE	Digital Circuit Kit – 1. TTL circuit for Nand& Nor Gate-2 2. ECL circuit for Nand& Nor Gate-2 3. CMOS circuit for Nand& Nor Gate-2 4. Code convertor Kit-2 5. Adder & Subs-tractor Kit-2 6. Decade Counter Kit-2 7. S-R & JK flip flop Kit-2 8. D&T -2 9. ORing counter Kit-2 10. Master Slave J-K flip& Flop kit-2	10000	20	200000
16	CSE	Microprocessor 8085 kits	10000	20	200000
17	CSE	Basic Electronics- 1-VI Characteristics of BJT-2 2-VI Characteristics of JFET-2 3-VI Characteristics of MOSFET-2 4-Voltage Series feedback Amplifier-1 5-Voltage shunt feedback Amplifier-1 6-Current series & Shunt Amplifier-1 7-CMOS Inverter Circuit Kit-1	10000	10	100000
18	ET & T	Printer	50000	3	150000
19	ET & T	Spectrum Analyzer	300000	1	300000
20	ET & T	Scanner	50000	2	100000
Total Rs.					41,61,350

3rd Proposed List of items for Rs 31,61,000/-

SN	Dept.	Item Name	Unit Price (Aprox)	Qty	Price Rs.
1	Inst	Firewall (NGFW) Next Gen	5,20,000	1	5,20,000
2	Mech	Hydraulic Hand Pallet	45,000	1	45,000
3	ET&T	Cadence Software (10 user)	25,96,000	1	25,96,000
Total Rs.					31,61,000

Action Taken: Approved.

1.2 Completed Procurement: The procurement of listed items purchased through GeM are passed for Rs 24,58,561/- till 19.11.2020 and the details are as below:-

TEQIP-III/2020/CG/gecr/82	Mech: Computer TableChairs for computer table	111680
TEQIP-III/2020/CG/gecr/85	Mech: Lathe (Centre Lathe)	494000
TEQIP-III/2020/CG/gecr/85	Mech: Universal Milling Machine	496800
TEQIP-III/2020/CG/gecr/86	Mech: Gas Welding Machine	198500
TEQIP-III/2020/CG/gecr/88	Multifunction Laserjet Printers	135936
TEQIP-III/2020/CG/gecr/90	Mech: Almirah-Large	136800
TEQIP-III/2020/CG/gecr/92	EEE: LCD electromagnetic interactive panel and accessory for online teaching	88500
TEQIP-III/2020/CG/gecr/93	EEE: Wireless collar mic	8546.97
TEQIP-III/2020/CG/gecr/94	EEE: Three Phase Induction Motor	8448
TEQIP-III/2020/CG/gecr/102	EEE: Two seater dual desk	367350
TEQIP-III/2020/CG/gecr/111	EEE: Variable Rheostat	12000
TEQIP-III/2020/CG/gecr/131	EEE: Radial drilling machine	400000
Total		24,58,561

Action Taken: Approved

1.3 Procurement orders placed: Total Orders of amounting Rs. 62,49,514/- are processed through Government E Market portal till 19.11.2020.

TEQIP-III/2020/CG/gecr/84	Mech: Exhaust Gas analyzer	145000
TEQIP-III/2020/CG/gecr/117	Dome IP Camera 2.0 CCTV , HDD and Cat 6 cable	205300
TEQIP-III/2020/CG/gecr/118	Bullet IP Camera 2.0 CCTV & Cat 6 cable	218211
TEQIP-III/2020/CG/gecr/120	EEE:Function generator	342500
TEQIP-III/2020/CG/gecr/121	EEE: Digital storage oscilloscope	234950
TEQIP-III/2020/CG/gecr/122	Mech: Wireless Microphone	19455
TEQIP-III/2020/CG/gecr/123	Mech: Digital Rockwell Hardness Testing Machine	499998
TEQIP-III/2020/CG/gecr/124	Mech: Angle Cutter (Electric)	6400
TEQIP-III/2020/CG/gecr/126	Mech: Rotary Hammer Drill	5300
TEQIP-III/2020/CG/gecr/127	Mech: Swivel base Machine Vice , 160 mm	21200
TEQIP-III/2020/CG/gecr/128	Mech: Petrol & Diesel Engine Models (Mars) (Mars & GME 7771 Series)	20500
TEQIP-III/2020/CG/gecr/149	ET&T: Cadence Research bundle RB3Y10 L:	2596000
TEQIP-III/2020/CG/gecr/150	Mech: Hydraulic Pallet Truck (2.5 tons), Pallet Type Hand Pallet	23000
TEQIP-III/2020/CG/gecr/151	Mech: Power Cut off Saw	24500
TEQIP-III/2020/CG/gecr/152	Mech: Grinding Machine	40500
TEQIP-III/2020/CG/gecr/153	Mech& EEE: Intel Core i5 Operating System (Factory Pre-Loaded) Windows 10 Professional	1846700
Total Rs.		62,49,514

Action Taken: Noted

1.4 Proposed New Procurement Plan: List of new procurement plan of Rs. 22,54,748/- is proposed to utilise the full allotted fund for remaining balance due to difference in estimated and actual price.

SN	Dept.	Item Specification	Qty	Price Per unit	Total estimated Price
1	Mech	Lathe M/c cutting tool holder (6&10 mm) 6mm-5nos; 10mm-5nos	10	500	5000
2	Mech	Lathe M/c cutting tool (6&10 mm)	5	1000	5000
3	Mech	Lathe M/c boring tool holder	2	1000	2000
4	Mech	Lathe M/c boring tool	2	1000	2000
5	Mech	Lathe M/c knurling tool	3	2000	6000
6	Mech	Milling M/c gear cutting tool	3	3000	9000
7	Mech	Milling M/c face milling cutting tool	2	4500	9000
8	Mech	Grinding machine wheel (rough and fine 8 inch)	2	2000	4000
9	Mech	Drill bit set (HSS) (1mm-15mm) (set)	2	3500	7000
10	Mech	Twist drill 6 mm (Morse Taper Shank) 138	6	500	3000
11	Mech	Twist drill 3 mm (Morse Taper Shank) 114	3	1500	4500
12	Mech	Twist drill High Speed Steel 10 mm	5	500	2500
13	Mech	End Mill Bits	2	7500	15000
14	Mech	HSS SQUARE TOOL BIT 3/16 X 6 INCH	5	1000	5000
15	Mech	Die set 1/2" to 2"	1	6000	6000
16	Mech	Twist drill (Morse Taper Shank) 156	5	750	3750
17	Mech	LCD Display Calipers External Measurement Range (mm) 0-150	1	7500	7500
18	Mech	Scale for Vernier / Dial type Calipers Display Calipers External Measurement Range (mm) 0-300	1	8000	8000
19	Mech	Graduated Scale for Vernier External Measurement Range (mm) 0-200	5	5000	25000
20	Mech	Digital Tachometer	1	15000	15000
21	Mech	Graduated Dial indicator Dial	2	5000	10000
22	Mech	Metallurgical Microscope with CMOS Camera	1	300000	300000
23	Mech	C Clamps High duty	5	1000	5000
24	Mech	Outer gauge calliper	5	200	1000
25	Mech	Inner gauge calliper	5	200	1000
26	Mech	Try square	15	300	4500
27	Mech	Tool sharpening stone	6	250	1500
28	Mech	Wire brush	10	250	2500
29	Mech	Tool kit (set)	01	8000	8000
30	Mech	Tool Drawer	01	25000	25000
31	Mech	Reamer set 10 pic (set)	1	5000	5000
32	Mech & EEE	Printer	06	25000	150000
33	Mech	Digital writing Pad	02	40000	80000
34	Mech	Refrigerator 250-310 L	01	35000	35000

35	Mech	Vacuum cleaner 1250 W	01	25000	25000
36	Mech	Diesel Engine (4 stroke 4 KW diesel Engine)	01	35000	35000
37	Mech	GTAW AC/DC WELDING MACHIN (SINGLE Phase 200-400 amp machine)	01	110000	110000
38	Mech	Petrol Engine generator 2.1 KVA	01	75000	75000
39	EEE	Computer Table	22	5000	110000
40	EEE	Rubber Gloves (Set)	5	400	2000
41	EEE	Revolving Chair	2	5500	11000
42	EEE	Insulating Mat (set)	1	30000	30000
43	ET&T	Multifunction Colour Copier with Printer	2	241999	483998
44	ET&T	LED TV, 75 inch	1	600000	600000
Total Rs.					22,54,748

Action Taken: Approved.

2. **Academic Process:** The activities performed after 11th BoG meeting, the expenditure occurred in Q2 is Rs. 5,55,009/- the details are as below,

SN	Activity Details	Expenditure (Rs.)
1	EEE and ET&T department organised online webinar on "Fuzzy logic controller application on power system" by Dr. Vasundara Mahajan for 3rd & 4th Semester students of EEE and ET&T on 28-Aug-20.	4000
2	FDP attended by Ms. Devashree Pansari, Asstt. Prof., EEE department on "Universal Power Controls (Manufacturers of Electrical Controls Panels)" during 25-08-2020 to 4-09-2020	5,000
3	EEE department organised online webinar on "Advance Power Electronics Converter for Electrical Vehicle" by Dr. Dogga Ravindran on 30-Aug-20.	5,000
4	EEE department organised online webinar on "Power Quality Management" by Dr. Talada Appala Naidu on 02-Sep-20.	3,000
5	Dr. Vikas Jain, Asstt. Prof., Basic Science participated in NPTL Swayam Course on "Quantitative Method in Chemistry and Fundamental of Spectroscopy" on 02-Sep-20.	4,400
6	Civil Department organised online webinar on "Pavement Design" by Mr. Satyendra Sahu on 08-Sep-20.	5,000
7	Civil Department organised online webinar on "Brief overview on patent" by Mr Kuldeep Kannojiya on 09-Sep-20.	5,000
8	Civil Department organised online webinar on "Introduction on Auto-CAD" by Mr. Vineet Jain on 11-Sep-20.	3,000
9	Civil Department organised online webinar on "Waste management" by Ms. Niralee Verma on 12-Sep-20.	5,000
10	Basic Science and Mechanical department organised Online webinar "Ethics in Engineering Education" by Dr K. Subramaniam Swamy on 24.08.2020	5,000
11	Mechanical Department organised online webinar on "How to reboot life after covid-19 crisis and lockdown" by Shri Sunderananda Das during 12-09-2020 to 15-09-2020.	10,000
12	Civil Department organised online webinar on "Water resource	5,000

	Management Challenges Organized" by Mr Triyambak Baghel on 14-Sep-20.	
13	Civil Department organised online webinar on "Disaster Management" by Dr. Parmeshwar Digamber Udmale on 15-Sep-20.	5,000
14	Civil Department organised online webinar on "Scope of Transportation" by Mr. Aseem Tigga on 16-Sep-20.	3,000
15	Civil Department organised online webinar on "Modern Surveying Technique" by Ms Swati Sonkar on 17-Sep-20.	3,000
16	Ms. Poorva Sharma attended IEEE International Conference during 25-09-2020 to 26-09-2020.	5,600
17	Ms. Devashree Pansari attended IEEE International Conference on Smart Technology for power energy and control" during 25-09-2020 to 26-09-2020.	5,600
18	SAE BAJA competition held during 07.03.2019 to 10.03.2019, the expenditure is towards TA/DA of students and faculties.	10,121
19	Twinning activities conducted at GCE Salem during 14.03.2019 to 15.03.2019, the expenditure is towards TA/DA of students and faculties.	74,730
20	ISHRE Raipur sub chapter established in Institute, ISHRE published books are purchased by the Mechanical Department. The expenditure is towards purchase of reference books invoice dated 12.02.2020.	4,800
21	ISHRE Raipur sub chapter established in Institute, ISHRE published books are purchased by the Mechanical Department. The expenditure towards purchase of reference books invoice dated 15.07.2020.	4,850
22	Employability skill Training conducted during 10.02.2020 to 07.03.2020 by TIME, Secundrabad. Payments were done in installments, the last pending payment is cleared.	63,479
23	Online webinar organised by Mech. Engg. Dept. on 17-Aug-20 on "Artificial Intelligence" by Dr. Vivek Tiwari for Mechanical students and All 1st year students.	5000
24	Online webinar organised by Mech. Engg. Dept. on 17-Aug-20 on "Artificial Intelligence" by Dr. Munidra Ojha for Mechanical students and All 1st year students.	5,000
25	Dr. L. Ravikumar and Dr. Radhakrishnan visited institute during 18.01.2019 to 19.01.2019 for NBA mock activities. The total expenditure incurred amount was Rs.97,325/. Rs. 80,000/- was cleared and due to shortage of funds in PFMS central pool, the remaining amount to Rs. 17,325/- was transferred from the Institution's Account.	17,325
26	SAE BAJA2 021 tentatively virtual round preliminary competition is planned during November and main during January. The expenditure sanctioned for the Registration fees.	35,872
27	Mechanical department organized online webinar on "Vapour phase drying. And Industry 4.0 Smart manufacturing" by shri Anand Bhanupurkar by during 04.08.2020 to 05.08.2020.	10,000
28	Mechanical department organized Short Term Online Design Simulation using CREO AND ANSYS training program by MSME TECHNOLOGY DURG during 14.07.2020 to 04.08.2020.	1,58,120
29	Civil department organized Online training program "CAD by using AutoCAD" for 4 th and 6 th Semester by CIPET Raipur during 06.07.2020 to 31.07.2020.	61,950
30	6 th semester students of EEE department participated National level Technical Symposium at GCE Salem TN under Twinning activities on 04.03.2020. The expenditure sanctioned towards travelling, lodging and food.	16,292
31	One week online FDP program attended by Dr Sweta Chaubey "OBE and NBA accreditation" during 27.07.2020 to 31.07.2020 – Registration fees.	1,600

32	Ms. Anju Jangde, Asstt. Prof. Civil registered course in “Disaster Preparedness” in University of Pittsburgh through Courceera. The expenditure sanctioned towards registration.	3,770
33	Ms Devshree Pansari attended online FDP programe “Advanced Optimization Techniques and hands on with MATLAB / SCILAB” during 13-24 July 2020. The amount sanctioned towards the registration fees.	500
	Total	5,55,009

Action Taken: Approved.

3. Collaborative Research Scheme:

Four CRS (Collaborative Research Scheme) Projects were sanctioned on 18th July, 2019 with a budget allocation of Rs. 53,89,000/-.The NPIU allocated a grant of Rs. 40, 50,333/- against four CRS Projects. The status of four projects are as follows,

3.1 Collaborative Research Scheme Project Status:

It was suggested in the 11th BoG to utilize the maximum funds available in CRS projects. NPIU has also released fund for the projects in October, 2020, details of all 4 projects are as below.

S N	Activity Details	Name of the PI			
		Dr. Ajay Kumar Kushwaha	Mr. Ashiwani Yadav	Dr. Praveen Kumar Mishra	Dr. Jawarlal Bhukiya
1	Sanctioned Amount for Project	14,00,000	12,50,000	14,17,000	13,22,000
2	Amount allotted for Procurement	12,58,333	10,05,000	11,90,333	8,96,667
3	Total Amount Released for Project till date	14,00,000	9,33,750	13,08,500	6.61.000
4	Expenditure till date Non Recurring	6,63,607	1,91,042	1,91,042	3,77,894
5	Expenditure till date Recurring	1,12,464	24,815	39,026	68,861
6	Total Expenditure till date	7,76,071	2,15,857	2,38,942	4,46,755

7	Status of Purchase Order issued.	2,95,860	3,37,800	9,97,995	63,000
8	Total Amount Remaining unspent	3,28,069	3,80,093	80,437	1,51,245
9	Present Status of the Project.	PO released: 1. DSO 2. Function generator 3. Printer Cartridge	1. Installment received Rs. 311250 on 02.11.2020 2. Bid for Wind Simulator (Rs. 2.5 L) is done	P.O. released: Rs. 997995/- for Numerical Relay Logic Development Environment Test Bench	PO to be released for Lithium batteries and Power Quality Analyzer, of amount Rs. 1,51,245/-

Action Taken: Noted and Approved.

Agenda Point TEQIP III 12/3 - Points for information to BoG

The Points for information has been placed for discussion before the BoG and it was thoroughly examined, point wise details are as mentioned below,

1. As suggested in 11th BoG, the compliance report of Internal Audit of period 1st Oct, 2019 - 31st March, 2020 is submitted to the auditor.

Action Taken: Noted

2. As suggested in 11th BoG, the compliance report of Statutory Audit of period 1st April, 2019 - 31st March, 2020 is submitted to the auditor.

Action Taken: Noted

3. Internal audit of FY 2020-21 (01.04.2020 to 30.09.2020) is conducted on 13.10.2020, audit report yet to be received.

Action Taken: Noted

4. As planned in quarter 2 (July-Sept, 2020), the procurement orders for Rs. 27,93,183/- were issued and materials were received/despached by vendors. Similarly, the bills of Rs. 2,86,432/ were received for the academic activities. Hence looking to delay in allocation of funds in Quarter Q3 in PFMS , On 29th Sept,2020 an amount of Rs.30,79,615/- was taken into institutional account to pay towards procurement and academic expenditure.

Action Taken: Noted

5. The contract of Mr. KHP Ram, TEQIP Senior Administrator and Mr. Akhileshwar Singh, TEQIP Project Associate has been proposed to extend up to 31st March, 2021 as NPIU has extended the TEQIP III project till 31st March 2021. The work of Mr. KHP Ram and Mr. Akhileshwar Singh is found satisfactory during the past session.

Action Taken: Approved.

6. As per the guidelines of NPIU, the contract of 17 NPIU faculties has been extended up to 31st March 2021.

Action Taken: Approved.

7. The legal advice as per 11th BoG suggestion has been placed for discussion on the matter related to Miss Shivani Garg, Asstt. Prof. (NPIU Faculty), Civil Engg and Mr. Takesh Kumar, Asstt. Prof. (NPIU faculty), Mechanical Engineering.

Action Taken: Members examined the legal reports and were satisfied with the reports. It was suggested that the warning letter is to be issued to Miss Shivani Garg and Mr. Takesh Kumar for the incident occurred and suggested to keep the record in the personal files. BoG also noted that the said faculty members served the college up to the end of their contract (i.e. 30th Sept, 2020).

8. Mr. Dushyan Kumar Sahu, Advocate is paid Rs. 10,000/- towards the legal services.

Action Taken: Noted.

9. Review meeting with Director (DTE) and SPIU was conducted on 20.10.2020 regarding the current status of the TEQIP III project.

Action Taken: Noted.

10. Mechanical Engineering students have registered for the SAE BAJA 2021 competition.

Action Taken: Noted.

11. Prof. S. D. Diwan, Dr. Muneendra Ojha, Dr. Vivek Tiwari, Dr. Swati Jain have submitted the research project on "Immediate Healthcare Support Using Intelligent Accident Detection Through Surveillance Video" and the project report is attached for consideration.

Action Taken: Approved to allow work till project period and researchers should submit the progress report.

12. Prof. Vikas Jain and Mr. Prashant Sahu have submitted the research project on "Study on Source Apportionment of Fine Particulate Matter (PM2.5) in Raipur City" and the project report is attached for consideration.

Action Taken: Approved to allow work till project period and researchers should submit the progress report.

Agenda Point TEQIP III 12/4 - Revised Action Plan Details of Q3(Oct–Dec, 2020)

The head wise budget in Q3 (Oct–Dec, 2020) is received as below:-

Expenditure Heads	Total Funds allocated PLA Q3(Rs.)
1.1.1.1 – Equipment	1,02,35,426
1.1.1.3 - Furniture	20,20,610
1.1.1.4 - Minor Civil Work	0
1.1.2.1 - Improve students' learning	10,60,000
1.1.2.2 - Research Assistantships	0
1.1.2.3 - Graduates employability	7,39,000
1.1.2.4 - Faculty/staff dev. and motivation	4,35,000
1.1.2.5 - Research and development	7,31,528
1.1.2.6 - MOOCs and digital learning	1,36,000
1.1.2.7 - Mentoring/Twinning system	0
1.1.2.8 - Reforms and governance	5,00,000
1.1.2.9 - Management capacity development	0
1.1.2.10- Hiring Consultancy Services	0
1.1.2.11- Industry-Institute Interaction	1,80,540
1.1.3.1 - Consumables	75,000
1.1.3.2 - Operation & maintenance of equipment	0
1.1.3.3 - Office expenses	50,000
1.1.3.4 - Meetings	30,000
1.1.3.5 - Hiring of vehicles	30,000
1.1.3.6 - Travel cost	30,000
1.1.3.7 - Salary	2,40,000
Total (Rs.)	1,64,93,104

Detailed Action Plan of Rs. 1,64,93,104/- is attached for the reference as Annexure A-8.


Action Taken: Approved.


Agenda Point TEQIP III 12/5 - Procurement Plan for additional fund of Rs. 1.25 Crore

NPIU has extended the TEQIP III project till 31st March, 2021 to facilitate the institute for the betterment of students. Earlier, TEQIP III project was ending by 30th September, 2020. The head wise limit has been changed to 70% in Procurement, 20% in Academic and 10% in IOC. NPIU has highlighted on spending fund on the digital teaching-learning systems and lab equipment and **proposed procurement plan of Rs. 1.25 Crore is as below:-**

SN	Items Proposed	Estimated budget (Lakhs)
1	Computers	56.00
2	Digital Podium	18.00
3	Campus wide Fibre Optics Networking	11.11
4	E Books & E Journals	25.00
5	Computer Table	2.25
6	Computer Chair	6.88
7	Split AC (1.5 T)	3.00
8	Folding Study Chair	2.00
9	Office Table	0.76
	Grand Total	125.00

Action Taken: Approved.


 28/11/2020
 Chairman
 Board of Governors
 TEQIP-III, Project


 28/11/2020
 Principal
 Govt. Engineering College
 Raipur (C.G.)