

## Indian Institute of Engineering Science and Technology, Shibpur

Proceedings of the 2<sup>nd</sup> meeting of the Committee for Building and Infrastructure Development held on 21<sup>st</sup> June, 2016 at 11.00 a.m. in the Board Room of School of Management Science, IEST, Shibpur in the 7<sup>th</sup> floor of the Academic cum Administrative building.

The following members were present:-

- 1) Prof. Ajoy Kumar Ray, Director, IEST, Shibpur and Chairman
- 2) Prof. Aditya Bandyopadhyay, Dean, Infrastructure, Planning & Management, IEST, Shibpur
- 3) Mr. Dinesh Kumar Ujjainia, SE, CPWD, as nominee of the Addl. Director General, CPWD, GoI
- 4) Mr. Abhishek Bose, Sr. Architect, CPWD, Nizam Palace, Kol-20 (invitee)
- 5) Shri Subrata Kar, University Engineer
- 6) Shri Sudip Banerjee, AE, PWD, Shibpur Sub-Division, as the nominee of CE (HQ), PWD, WB
- 7) Shri Jagannath Halder, AE, PWD, B.E. College Electrical Sub-Division, as the nominee of CE-I, Electrical, PWD, WB
- 8) Prof. Jagdish Pal, Professor and Head Dept. of Electrical Engineering, IEST, Shibpur (invitee)
- 9) Prof. Keya Mitra, Professor and Head Dept. of Architecture Town & Regional Planning, IEST, Shibpur (invitee)
- 10) Prof H. Saha. Professor, Centre of Excellence for Green Energy and Sensor System - invitee
- 11) Dr. Biman Bandyopadhyay, Registrar, IEST, Shibpur and Secretary & Convenor

The following member were granted leave of absence

- 1) One member from Administration of MHRD, GoI
- 2) One member from Finance of MHRD, GoI
- 3) Prof. S. K. Chattopadhyay, Department. of Chemistry and member BOG, IEST, Shibpur

At the outset, the Chairman welcomed the members and invitees present in the meeting and took the agenda items for discussion:-

**Agenda Item No. 2.01** : To confirm the proceedings of the 1<sup>st</sup> meeting of the Committee for Building and Infrastructure Development, IEST, Shibpur held on 12<sup>th</sup> June, 2015.

**Resolution No. 2.01.01** : The committee confirmed the proceedings of the 1<sup>st</sup> meeting of the Committee for Building and Infrastructure Development, IEST, Shibpur held on 12<sup>th</sup> June, 2015.

**Agenda Item No. 2.02** : To consider the preliminary estimate worth of Rs. 5,25,43,000/-, as received from the Superintending Engg. (P), CE, EIZ-III, CPWD, Kolkata-20, under his memo no: 23(85)/CE(EZ-III)/2016/WS/389, dated 18<sup>th</sup> March 2016 towards the proposed construction of the remaining 5<sup>th</sup>, 6<sup>th</sup> & 7<sup>th</sup> floor of the eight storied Ladies Hostel (Lt. William Hall) for PG students & Research Scholar.

**Resolution No. 2.02.01:** The Committee considered the preliminary cum detailed estimate amounts to Rs. 5,25,43,000/- (including 3% contingencies % 1% WB labour welfare cess), submitted by the Superintending Engineer (P), CE, EIZ-III, CPWD, Kolkata-20 vide memo no: 23(85)/CE(EZ-III)/2016/WS/389, dated 18<sup>th</sup> March 2016 towards construction of the remaining 5<sup>th</sup>, 6<sup>th</sup> & 7<sup>th</sup> floor of the eight storied Ladies Hostel (Lt. William Hall) for PG students & Research Scholar at IEST, Shibpur including overhead tank on terrace etc. After detailed discussion the committee recommended that the preliminary cum detailed cost estimate worth of Rs. 5,25,43,000/- towards the proposed construction of the remaining 5<sup>th</sup>, 6<sup>th</sup> & 7<sup>th</sup> floor of the eight storied Ladies Hostel (Lt. William Hall) including installation of lifts & other services may be approved by the BOG. The committee noted that CPWD will complete the work within 1 year from the date of execution of this work.



The issue of ESI/EPF of worker/staffs of the contractor engaged for the said work will be duly looked after by the CPWD.

Regarding the service tax component considered in the estimate, CPWD is requested to submit the latest notification on Service Tax Exemption on construction works of Educational Institution set up by Government.

**Agenda Item No. 2.03** : To consider the enabling estimate worth of Rs. 77.00 lac & 72.00 lac, as received from the Executive Engineer (P), KCC-II, CPWD under his memo no: 23(675)/SE-2/W-1/274(H)-279(H), dated 28.04.2016 for soil investigation, consultancy services, etc., in connection to the proposed construction of 1000 capacity hostel for boys and 600 capacity hostel for girls respectively

**Resolution No. 2.03.01** : The Committee consider the preliminary enabling estimate worth of Rs. 149 lacs (Rs. 77 lacs for construction of 1000 capacity single seated hostels for boys and & 72 lacs for construction of 600 capacity single seated hostels for girls), submitted by the Executive Engineer (P), KCC-II, CPWD under memo no: 23(675)/SE-2/W-1/274(H)-279(H), dated 28.04.2016 for the purpose of expenditure for i) structural consultancy of the project, ii) consultancy services for service charge such as water supply, electricity, drainage & sewerage, iii) for obtaining statutory approval from local bodies, iv) preparation of model project, v) consultancy for design of electrical & mechanical services and vi) soil investigation..

After detail discussion, the committee recommended for approval of the BOG of the enabling estimates worth of Rs. 77.00 lacs (against rough cost estimate of the 1000 capacity single seated hostel of Rs. 126.73 crore) & 72.00 lacs ( against rough cost estimate of the 600 capacity single seated girls hostel of Rs. 76.50 crore). The committee also recommended that a sum of Rs. 25 lacs may be given to CPWD for pre-constructional work at present.

**Agenda Item No. 2.04:** To consider the estimate no: 03/NBNC for 2016-17 worth of Rs. 1,33,79,608/- submitted under the memo no: 164/4E-14/16-17, dated 31.05.2016 of the SE, PWD, Nabanna Circle towards the construction of balance floors (1<sup>st</sup> floor to 3<sup>rd</sup> floor) of the Students Amenities Centre.

**Resolution No. 2.04.01** : The Committee considered the detailed estimate worth of Rs. 1,33,79,608/- towards the construction of balance floors (1<sup>st</sup> floor to 3<sup>rd</sup> floor) of the Students Amenities Centre including sanitary & plumbing works, but excluding electrical work, submitted by SE, PWD, Nabanna Circle under memo no: 164/4E-14/16-17, dated 31.05.2016. After detail discussion, the committee recommended that the detail estimate submitted by the PWD may be approved by the BOG. The Committee also requested PWD (Electrical) to submit the estimate for electrical installation work for the proposed construction at the earliest. The committee requested PWD to ensure that the said work will be completed within 6 months from the date of administrative approval.

Director invited Prof. Hiranmoy Saha, Centre of Excellence for Green Energy and Sensor Systems, IEST, Shibpur for his opinion in connection with electrical installation. He pointed out the following points in this regard:

- Efforts should be made to install Solar PV modules and or Solar Hot Water Collectors on the shading free region of the roof top of all the existing buildings in the campus as far as possible to provide green electricity and green heating
- For any new construction in the new campus installation of solar Modules and / or Solar Collectors should be made mandatory.
- Solar Energy Corporation of India (SECI), a Govt. of India Undertaking under the Ministry of New and Renewable Energy (MNRE) has sanctioned about 800 KW of Roof Top Solar PV Power Plant of IEST, Shibpur to be installed by M/s Ray Experts. IEST has to sign a PPA contract with M/s. Ray Experts Ltd to pay, @ Rs. 5.49 per kwh for a period of 25 years for the power generated by Solar Power Plant. Now institute is paying CESE @ 7.10 per kwh.



**Agenda Item No. 2.05:** Presentation & discussion on Architectural Designs of proposed 1000 capacity Boys Hostel and Lecture Theatre Complex & Laboratories. .

**Resolution No. 2.05.01 :** CPWD made an elaborate presentation on Architectural Designs of the proposed 1000 capacity Boys Hostel and Lecture Theatre Complex & Laboratories prepared by them. They explained the locations and the architectural designs of the said hostels, Lecture Theatre complex and Laboratories. During and after the presentation members participated in the discussion. Following suggestions were come out in the discussion:

1. The construction work of the Lecture Theatre Complex should be given the 1<sup>st</sup> priority and then the construction work of the 1000 capacity boys hostel will be taken. The proposal of 600 capacity Ladies Hostel may be taken up at a later phase.
2. The height of the podium of the lecture Theater complex should be increased as the location place is situated in the low land area.
3. Hostel building should be environment friendly and safe for the students and there should be provision for installing solar panel at the roof top as per norms of the Govt. of India.
4. The CPWD should start necessary soil investigations, design and engineering detailed estimates etc by appointment of competent agencies and consultants as considered in the estimates.
5. A provisional Lump Sum Amount worth of Rs. 1.00 crore may be allotted at present towards the soil investigation, charges for consultancy services, etc., for the construction projects of 1000 capacity boys hostel, Lecture Theatre Complex.

**Agenda Item No. 2.M1:** To record the various works for which administrative approval have been granted since 1<sup>st</sup> meeting of the of Committee of Building and Infrastructure Development (as per following Annexure)

**Annexure I:** List of works by PWD (Civil Wing)

**Annexure II:** List of works by PWD (Electrical Wing)

**Annexure III:** List of work by PHE Dte.

**Annexure IV:** Other Works

**Resolution No. 2.M1.01 :**

The Committee noted the following administrative approval of the Director granted towards various estimates of PWD(Civil), PWD(Elect.), PHE Dte and other works since 1<sup>st</sup> meeting of the committee:

**I. Regarding Annexure - I List of works by PWD (Civil Wing)**

Sl. No.	Details	Amount
1a	Dated 18.06.2015 (20 no of Est.)	Rs. 1,07,94,211.00
1b	Dated 18.06.2015 (04 no of Est.)	Rs. 10,44,501.00
2	Dated 04.09.2015 (21 no of Est.)	Rs. 80,39,587.33
3	Dated 12/13.10.2015 (08 no of Est.)	Rs. 32,50,351.00
4	Dated 26.11.2015 (03 no of Est.)	Rs. 8,18,091.01
5	Dated 26.11.2015 (12 no of Est.)	Rs. 37,05,161.00
6	Dated 26/30.11.2015 (06 no of Est.)	Rs. 31,36,197.00
7	Dated 26/30.11.2015 (02 no of Est.)	Rs. 8,65,243.45
8	Dated 22.12.2015 (17 no of Est.)	Rs. 62,06,173.00
9	Dated 07.03.2016 (11 no of Est.)	Rs. 41,15,039.00
10	Dated 19.05.2016 (02 no of Est.)	Rs. 41,17,100.00
11	Dated 18.03.16 (01 no. Est.) Proposed Elec. Lab of Elec. Engg, IEST	Rs. 29,06,933.00
	<b>Total</b>	Rs. 4,89,98,587.80



## II. Regarding Annexure - II List of works by PWD (Electrical Wing)

Sl. No.	Details	Amount
1	Dated 05.08.15 (08 no. of Est.)	Rs. 18,02,768.00
2	Dated 13.10.2015 (14 no. of Est.)	Rs. 1,30,25,538.00
3	Dated 26.11.2015 (7 no. Est.)	Rs. 4,34,542.00
4	Dated 22.12.2015/08.01.2016 (5 no. Est.)	Rs. 13,38,486.00
5	Dated 08.01.2016 (5 no. Est.)	Rs. 4,01,674.00
6	Dated 07.03.2016 (9 no. Est.)	Rs. 26,34,532.00
7	Dated 17.03.2016 (10 no. Est.)	Rs. 9,17,168.00
8	Dated 04.05.2016 (03 no. Est.)	Rs. 4,71,286.00
9	Dated 20.05.2016 (05 no. Est.)	Rs. 4,22,332.00
10	WD/APRV/PWD/EE/BEL/02, dtd.18.03.16 (01 no. Est.) Proposed Elec. Lab at Dept. of Elec. Engg, IEST	Rs. 38,01,133.00
	<b>Total</b>	<b>Rs. 2,52,49,459.00</b>

## III. Regarding Annexure - III List of work by PHE Dte.

Sl. No.	Details	Amount
<b>1</b>	<b>Dated 12/13.10.2015</b>	
	Different emergency works from May 2015 to August 2015 in IEST, Shibpur, Howrah	Rs. 10,26,416.00
	Daily wage rate in respect of contractor's (of PHED) labours engaged in different points at IEST, campus for the period from 01.05.2015 to 30.04.2016	Rs. 18,91,560.00
	Different emergency works from December 2012 to April 2014 at BESU, Shibpur, Howrah	Rs. 16,90,009.00
	Mechanical / Electrical Works for sinking of 2 nos. of Deep Tubewells and allied works at IEST, Shibpur campus	Rs. 50,91,222.00
<b>2</b>	<b>Dated 19/20.05.2016</b>	
	Estimate for daily wages rate in respect of labour engaged at 6 nos. pump house (01.05.2016 to 30.04.2017) & valve operating personnels (01.07.2016 to 30.04.2017) under IEST campus Ref. Memo No: 858/ED, dated 12.05.2016	Rs. 23,53,146.00
	<b>Total</b>	<b>Rs. 1,20,52,353.00</b>



**IV. Regarding Annexure - IV List of other work**

Sl. No	Name of Works/Description:	Approved Value (Rs.)	Est.
1	Supplying of new platform and Green Ceramic Chalk board at Gallery no. U413, U513 & U613 at Science and Technology building of IEST, Shibpur.	48,886.00	
2	Emergent repairing of lecture platform at Gallery no. U413, U513 & U613 at Science and Technology building of IEST, Shibpur.	45,259.00	
3	Emergent repair work of toilet block of 1 st. phase of 8 - storied building ( Ground to 3rd. Floor)	44,109.00	
4	Emergent repair work of toilet block of 1 st. phase of 8 - storied building (4 th. Floor to 7 th. Floor)	49,930.00	
5	Emergent repair work of aluminum windows and door of toilet block in 1 st. phase of 8 - storied building.	49,621.00	
6	Emergent repair and painting work of toilet block of 1 st. phase of 8 - storied building (Science and Technology Building).	78,357.00	
7	Emergent outside painting and other allied work at Director's bunglow inside the campus of IEST, Shibpur.	850,355.00	
8	Emergent outside painting, repairing and other allied work at Madhusudan Bhaban inside the campus of IEST, Shibpur	16,41,351.00	
9	Complete cleaning all garbage vats inside the campus, transporting and dumping the garbage to the lowland.	63,000.00	
10	Emergent work for development of plots of lands adjacent to the hostels no: 8 & 9 suitably for use as playing ground inside the campus of IEST, Shibpur.	71,629.76	
11	Emergent work for development of plots of lands adjacent to the hostels no: 10 & Slater Hall suitably for use as playing ground inside the campus of IEST, Shibpur.	83,998.80	
12	Emergent repair, painting , Sanitary plumbing and other miscellaneous work at B -169 inside the campus.	276,303.00	
13	Emergent repair, painting , Sanitary plumbing and other miscellaneous work at B -175 inside the campus.	121,385.00	




14	Emergent repair, painting , Sanitary plumbing and other miscellaneous work at D - 184 inside the campus.	112,192.00
15	Emergent repair, painting , Sanitary plumbing and other miscellaneous work at D - 196 inside the campus.	102,279.000
16	Emergent repair, painting , Sanitary plumbing and other miscellaneous work at E - 184 inside the campus.	93,947.00
17	Emergent repair, painting , Sanitary plumbing and other miscellaneous work at D - 236 inside the campus.	193,953.00
18	Renovation work of Institute Hospital at Heaton hall inside the campus of IEST, Shibpur.	2,872,234.00
19	"Emergent anti - termite treatment at Ramanujan Central Library."	227,375.00
20	Emergent anti - termite treatment at Heaton hall.	146,122.00
21	Complete cleaning of water hyacinth (Kachuripana) from Clock tower Pond including transporting and dumping to the dumping ground inside the campus.	57,000.00
22	Mending good / jointing of broken barbade wires with splicing and tying of the fencing around Clock tower Pond as per direction of EIC..	39,000.00
23	"Chilchiling and cutting of grasses / bushes /shrubs from the banks of Clock tower Pond including transporting and dumping to the dumping ground inside the campus." For three side (Two long side and one short side)	99,000.00
	<b>Total</b>	5,725,935.56

The meeting ended with vote of thanks to the Chair.



**(Biman Bandyopadhyay)**  
Secretary & Convenor,  
Committee for Building and Infrastructure Development &  
Registrar, IEST, Shibpur

Approved



**(Ajoy Kumar Ray)**  
Chairman,  
Committee for Building and Infrastructure Development &  
Director, IEST, Shibpur