राष्ट्रीय प्रौद्योगिकी संस्थान मिजोरम
NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM
(An Institution of National Importance under Ministry of Education, Govt. of India)
CHALTLANG, AIZAWL, MIZORAM – 796012

MEETING MINUTES OF THE 25th MEETING OF THE BOARD OF GOVERNORS, NIT MIZORAM HELD ON 22nd JANUARY, 2021 AT 03:30PM

Members present:

1.	Prof. Rajat Gupta Director NIT Mizoram	Chairperson, BOG
2.	Prof. Rajat Gupta Director, NIT Mizoram	Ex-officio Member
3.	Mr. Madan Mohan Addl. Director General (HE), Department of Higher Education Ministry of Human Resources Development C-Wing, Shastri Bhawan, New Delhi – 110 00	Member
4.	Mr. D. K. Singh Deputy Secretary, IFD Department of Higher Education Ministry of Education C-Wing, Shastri Bhawan, New Delhi – 110 001	Member
5.	Prof. P.K Ray Professor Deptt of Industrial & System Engg IIT Kharagpur	Member
6.	Prof. Gopal Das Dean of Research and Development IIT Guwahati	Member
7.	Er. Vanlal Duhsaka Secretary (Retd.) PWD, Govt. of Mizoram	Member
8.	Dr. Ranjita Das Assistant Professor Gr - II (CSE) NIT Mizoram	Member
9.	Dr. Chailati Koley Coordinator, TEQIP-III NIT Mizoram	Special Invitee
10.	Mr. Sandeep Kumar Dash Asst. Prof. Grade-II(CSE) Representative of ERP Team NIT Mizoram	Special Invitee
11.	Dr. Lalthanchami Sailo Registrar, NIT Mizoram	Secretary

Discussion of the meeting commenced as follows:

BOG 25.0	**Welcome to members by the Chairperson, BOG cum Director, NIT Mizoram.**
	The Director cum Chairman, Board of Governors, NIT Mizoram while welcoming the members expressed his gratitude for them attending the meeting and to deliberate on a vital agenda item.
BOG 25.1	**PROPOSAL FOR APPROVAL OF THE SMILE ERP IMPLEMENTATION IN NIT MIZORAM** **Background:** The Board may be informed that NITMZ/SERVER package amounting to Rs. 30,34,285.72 (estimated) was approved by the 23rd BoG held on 22nd Dec.2020. In the 15th BoG held on 19th June, 2019, under BOG 15.6, the recruitment of two(2) manpower (Software Developer and Deployment Engineer) through outsourcing with the estimated monthly remuneration of Rs. 80,000/- (Rs. 9,60,000/- annually) and this will be booked from the Institute's fund was approved. **Copy at Annexure-1**

Sl. No	Designation of Manpower	Essential Qualification	Language Requirement	Essential Experience	Proposed Monthly Remuneration (Rs.)
1	Software Developer	B.Tech./ B.E. in CSE/IT or MCA, Java Certified Programmer	Preferably knowledge of Software Development . NET with SQL Server, Crystal Reports etc	Minimum 2-3 years	45,000 to 50,000
2	Deployment Engineer	Diploma in CSE/IT or BCA	Networking, Linux, Database administration, Server Administration	Minimum 1-2 years	25,000 to 30,000

Comparison report of SMILE ERP and existing MIS system at Annexure-II. The following points were mentioned:

i) The first mail was received from NPIU regarding nomination of NIT Mizoram for implementation of ERP through TEQIP on 3rd May 2019 (Copy at **Annexure-A**)

ii) Meeting conducted by NPIU with Single Point Of Contacts (SPOC) of NITs

1st Meeting : 25th May 2019 (at New Delhi)

2nd Meeting: 5th September 2019 (NPIU office, New Delhi)

3rd Meeting: 29th February 2020 (Kolkata)

iii) Institute received a mail from Chairman, ERP, IIT KGP on 8th December 2020 regarding pilot implementation of SMILE ERP at the Institute along with few other NITs. It was mentioned that "NITs need to have suitable hardware infrastructure in place to install and use the SMILE ERP software". (**Annexure-B**)

iv) Thereafter the system/hardware requirements for the implementation were received on 11th December 2020 (Attached as **Annexure-C:** Tender of IIT KGP). In further correspondence with IIT KGP ERP team, NIT Mizoram also has formulated the specification for the hardwares as per its requirement of 4 servers (**Annexure-D**).

- **COMPARISON OF SMILE ERP WITH EXISTING ERP SYSTEM OF NIT MIZORAM**

The following may be considered;

Sl No	Particulars	SMILE ERP (IIT Kharagpur)	Existing ERP
1	No of Modules	9	10
2	Name of Modules	a) Academics b) Human Resources c) Accounts d) Purchase e) Hostel Management f) Career Development Center g) Research & Consultancy h) Continuing Education Program i) Guest House	a) Academic Management System b) Hostel c) T&P d) e-Learning e) Library f) Finance g) Purchase and Stores h) Establishment i) Web Portal and Alumni j) Administration & Estate

3	Cost for Software maintenance	Upto 31st March 2021 it is free of cost afterwards for 2-3 months handholding will be done by IIT KGP. Further if required MoU needs to be signed with IIT KGP regarding maintenance.	Rs. 13 Lakhs
4	No of Manpower required / available	3 required (1 Java Certified Programmer + 1 OS maintenance Engineer + 1 Implementation Engineer) **[requirement by IIT Kharagpur]**	2 Implementation Engineers available on-site at NIT Mizoram
5	Cost for Manpower / Annum	Approx. 12 Lakhs (Total for 3 persons)	Rs 9.72 Lakhs (Total for 2 persons)
6	Total cost per annum	Approx 44 Lakhs (one time cost for hardware) + 12 Lakhs yearly for manpower	Rs. 22,72,000 + 18 % GST = Rs. 26,80,960.00
7	Hardware requirements / available	Required hardware attached at Annexure – A (4 standalone servers + 1 Ethernet switch + 1 SAN switch + 1 server rack)	2 blade servers are in use (one for Application and other one for Database)
8	Proprietary Software	Since code will be given to the Institute during implementation phase, it can be modified as per our own requirement with the help of manpower.	The code for all modules has already been handed over to the Institute and is now a Proprietary property of the Institute.

9	Any other remarks		The firm demands an additional 20% amount for AMC each year, however as yet it has been given the same rate as first AMC after persuation each time from the Institute.

- **Advantage of the SMILE ERP:**

a) There will not be any dependence on private firms for the ERP system of the Institute.
b) The range of modules fully cater to the requirement of the Institute.
c) The investment for hardware requirement will be one time.
d) The total cost of maintenance including manpower will be much less in comparison to the existing system.
e) For smooth transition from existing system to SMILE ERP, six months to maximum one year parallel run of both the systems is required. This will allow the new manpower to be accustomed to both the softwares. Since source code of existing ERP is already available and source code of SMILE ERP will also be available, the manpower will be in a position to modify both the codes as per the necessity of the Institute. Thereby after completion of the said parallel run period, the existing system along with SMILE ERP can both be used by the Institute.

- In this SMILE ERP regard, NPIU had conducted a meeting with participating NITs in the pilot phase on 18th January 2021 regarding getting stock of the status of implementation at each Institute. The report is attached as **Annexure - E**. In the meeting it was told that Institute has to inform to NPIU about the willingness to proceed further in implementation within 2days otherwise the slot will be allocated to some other NIT.

- On this the ERP committee of the Institute along with Dean (Academics) and TEQIP Coordinator had conducted a meeting on 19th January 2021. The minutes is attached as **Annexure-F**.

- As per 15th BOG (BOG 15.6) held on 19th June 2019,

recruitment of 2 manpowers through outsourcing was approved by the board, advertisement for which was given on 3rd December 2019.

- The summarised cost for the hardware is as given below.

Sl No	Item details	Approx. Cost (excluding GST)	Qty
1	Server	35 Lakhs	4
2	1 Gbps ethernet switch	2 Lakhs	1
3	KVM switch	50,000.00	1
4	Rack	50,000.00	1
Total		**38 Lakhs (excluding GST)**	

- **Requirement of additional manpower for maintenance of network infrastructure at the Institute**

a) As the Institute is running out of its temporary campus, the various academic blocks are located at different location in and around of Chaltlang area in Aizawl. The layout is attached as **Annexure – G**.

b) The 1Gbps NIC internet link is connected to the servers at Admin Block, which is further distributed from the Admin Block to other blocks.

c) At times when the network infrastructure fails there is no network person for its maintenance.

d) Thereby the Institute requires a network professional for its successful maintenance.

- The details are mentioned as under.

Name of post	Minimum qualification	Experience	Proposed salary per month
Network Engineer	Diploma in CSE/IT (preferrable with valid CCNP/CCNA certification)	Preferrably with 1 year in Govt./Universities/reputed firms as Network support engineer, skills in trouble shooting of network related problems, LAN management, Network configuration	Rs 35,000 to 40,000

Hence,

i) The action plan which include Server package amounting to Rs. 3034285.72 (estimated) approved by the 23rd BoG held on 22nd Dec.2020 may be replaced with the new Server package amounting to Rs. 3800000.00 (exclusive of 18% GST and with 18% GST the amount will be Rs. 4484000.00). Procurement will be done through GeM. This SMILE ERP package will be booked under TEQIP-III.

ii) For smooth transition from existing system to SMILE ERP, six months to maximum one year parallel run of both the systems is required. The renewal of AMC of the ERP software by M/s MasterSoft ERP Solutions Pvt.Ltd., Nagpur for all the 10 modules for 1 more year, may be approved for the smooth functioning of the Institute, as per revised Terms & Conditions & same rates of contract, on the following considerations;

   a) The successful implementation of SMILE ERP will include data migration on to it, manpower training, and thereafter its flawless use by all stakeholders and subsequent dependence on it by the Institute. This will require 12 months.

   b) Given the pandemic situation the existing ERP system of the Institute is hosted on cloud for easy access of students, faculties and staffs. The academic activities such as students registration, fees collection, mark entry, result processing etc are done through it. Thereby the time frame for its continual use is minimum 1 year after expiry of the existing AMC i.e upto May 2022.

   c) During the AMC period upto May 2022, since both the system will be in parallel use, the manpower will be fully trained on the maintenance aspect of both the system. This will help both the ERP system to be in active use.

iii) The recruitment of two(2) manpower (Software Developer and Deployment Engineer) through outsourcing with the estimated monthly remuneration of Rs. 80,000/- (Rs. 9,60,000/- annually)is placed for kind note of the Board. This remuneration will be booked under Institute fund.

iv) Additional manpower (Network Engineer) for maintenance of Institute network infrastructure on contract basis in the level of Technical Assistant on payment of Rs.

	40,000.00 /- per month from the Institute Fund is placed for consideration and approval.
	Decision of the Board After a length of discussion, the Board approved the proposals. However, considering the difficulty in getting technical manpower through outsourcing at Aizawl, it has been decided to engage the required technical manpower, i.e. Software Engineer, Deployment Engineer & Network Engineer, on contract basis.

02/02/21

(Dr. LALTHANCHAMI SAILO)
Registrar
&
Secretary, Board of Governors
National Institute of Technology Mizoram