

**NATIONAL INSTITUTE OF TECHNOLOGY
DURGAPUR-713209, WEST BENGAL, INDIA
AGENDA NOTES**

FOR

37th Meeting of Finance Committee to be held on 23rd December, 2015 at 10:30 A.M. at the Seminar Room 2, United Service Institution of India, Rao Tula Ram Marg (Opposite Signals Enclave), Vasant Vihar, NewDelhi – 110 057.

| Sl. No. | Item | Page No. |
|----------------|---|-----------------|
| 37.01 | To Confirm the Minutes of the 36 th Finance Committee Meeting held on 16 th November, 2015. | 01 |
| 37.02 | To note action taken on the Minutes of the 36 th Finance Committee Meeting held on 16th November, 2015. | 01 |
| 37.03 | Ratification of payment of Rs. 41,08,368/- to EPF Commissioner on account of penalty for belated payment of EPF contribution of hostel employees. | 02 |
| 37.04 | Repairs & Maintenance of the toilets of the Students' hostel. | 02 |
| 37.05 | To ratify the approval of allotment of fund in excess of DST approved fund for the purchase of Ion Chromatography System. | 02 |
| 37.06 | Any other item with the permission of the chair. | 03 |

Item# 37.01: To Confirm the Minutes of the 36th Finance Committee Meeting held on 16th November, 2015.

The 36th Meeting of Finance Committee was held on 16th November, 2015, at the Senate Room, Administrative Building, National Institute of Technology Durgapur, Pin – 713209.

The Minutes of the said meeting are placed for confirmation.

(Annexure- I)

Item# 37.02: To note action taken on the Minutes of the 36th Finance Committee Meeting held on 16th November, 2015.

| Item | Subject | Action Taken |
|-------|--|---|
| 36.01 | To Confirm the Minutes of the 36th Finance Committee Meeting held on 16th November, 2015. | Noted |
| 36.02 | To note action taken on the Minutes of the 35th Finance Committee Meeting held on 22 nd September, 2015. | Noted |
| 36.03 | To consider allotment of fund in excess of DST approved fund for the purchase of Ion Chromatography System. | To be ratified by 37 th FC |
| 36.04 | Providing and Fixing of Furniture and partition wall in the newly constructed Academic Block. | Estimates for the 'Smart Systems' and Maintenance Contract from CPWD awaited. |
| 36.05 | Criteria and Evaluation of Best Performance Award. | Action in hand |
| 36.06 | To consider the proposal for the establishment of a state of the Art Laboratory of 'Renewable Energy' in the department of 'Electrical Engineering'. | Action pended due to faculty shortage. |
| 36.07 | Any other item with the permission of the chair. a) To consider the proposal for setting up of a Centre for Monitoring Human Values and Meditation, along with institution of Chair Professor (i.e Vivekananda Chair Professor of Values, Ethics and Culture) under department of Humanities & Social Studies was approved. | Noted |

| | | |
|--|---|-----------------------|
| | <p>b) To consider the proposal for setting up a Multi Disciplinary Research Centre to carry out research of Social Issues by interlinking technology.</p> | <p>Action in hand</p> |
|--|---|-----------------------|

Item# 37.03: Ratification of payment of Rs. 41,08,368/- to EPF Commissioner on account of penalty for belated payment of EPF contribution of hostel employees.

An amount of Rs. 41,08,368/- has to be paid immediately EPF Commissioner on account of belated payment of EPF contribution of Hostel employees of the Institute made during the period November, 1997 to January 2013. The said amount is to be transferred from the Institute account to the hostel employees welfare fund for necessary payment.

The matter was placed to Chairperson, BOG and was subsequently approved.

Placed for ratification of Finance Committee.

(Annexure – II)

Item# 37.04: Repairs & Maintenance of the toilets of the Students' hostel.

The toilets of the students hostels need urgent repairs pending which the students have been facing hardship, using unhygienic toilets, leading to various complaints by the students. The estimated expenditure for repairing the toilets is Rs. 2.1 crores. The details of the proposal are given in annexure.

Placed for consideration of Finance Committee.

(Annexure – III)

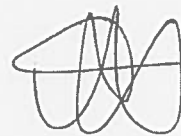
Item# 37.05: To ratify the approval of allotment of fund in excess of DST approved fund for the purchase of Ion Chromatography System.

As per the recommendations of 36th FC in item no. 36.03 advertisement for Ion Chromatography System for a DST sponsored project (Ref. No. DST/IS-STAC/CO2-SR-191/14(G), dated November 24, 2014) was made in National newspaper "The Telegraph" (all editions) and "The Bartaman" (all editions) on Nov. 19, 2015. Subsequently, all the purchase procedures were followed and a note-sheet dated Dec. 8, 2015 was placed to The Chairman, BOG on recommendation of The Director for approval of Rs. 1, 26,000/- (one lakh twenty six thousand only) (additional fund) to procure the item under Hi-Sea sale. The amount of Rs. 1, 26,000/- (Rupees One lakh twenty six thousand only) (additional fund) has been approved by The Chairman, BOG.

(Annexure – IV)

Placed before the Finance Committee for necessary ratification.

Item# 37.06: Any other item with the permission of the chair.



17/12/15

Brig. A. S. Nijjar
Registrar & Member
Secretary
National Institute of Technology,
Durgapur

NATIONAL INSTITUTE OF TECHNOLOGYDURGAPUR-713209, WEST BENGAL, INDIA

Minutes of the 36th Meeting of the Finance Committee held on 16th November, 2015 at 10.30 A.M. at the Senate Room, Administrative Building, National Institute of Technology Durgapur, Pin – 713209.

The following members attended the Meeting:

- | | |
|--|------------------|
| 1. Prof. A. B. Bhattacharyya, Chairperson, Board of Governors, National Institute of Technology, Durgapur | Chairperson |
| 2. Prof. T. Kumar, Director, National Institute of Technology, Durgapur | Member |
| 3. Shri Sanjeev Kumar Sharma, Director (NITs), Dept. of Higher Education, MHRD, Govt. Of India Shastri Bhavan, New Delhi | Member |
| 4. Shri Satpal Sharma AFA, IFD, MHRD, Govt. Of India Shastri Bhavan, New Delhi | Member |
| 5. Prof. Nirmal Kumar Roy, Professor, Department of Electrical Engineering, National Institute of Technology, Durgapur | Member |
| 6. Brig. A. S. Nijjar, Registrar, National institute of Technology, Durgapur | Member Secretary |

The Director welcomed all members of the Finance Committee on behalf of the Chairman, Board of Governors, for the 36th meeting of the Finance Committee.

Item# 36.01: To Confirm the Minutes of the 35th Finance Committee Meeting held on 22nd September, 2015.

The Minutes of the 35th meeting of the Finance Committee were approved after having incorporated the comments of the members and are modified to read as follows.

Item# 35.01: No comment have been received, hence minutes are confirmed

Item# 35.04: It was intimated by Registrar that the increase in honorarium took place in 2010, hence there is a need for enhancement keeping in view inflation. FC recommended the proposal to BoG

Item# 35.05: FC observed that cost of items like furniture, for preparing estimate has been on very high side. Therefore, it needs review. The same may be put up again in next FC after careful review of specifications and cost of the items.

It was pointed out by one of the members, that for proper understanding of the proceedings of the meetings, justification of the minutes should be reflected

Item# 36.02: To note action taken on the Minutes of the 35th Finance Committee Meeting held on 22nd September, 2015.

While discussing the ATR on item 35.09, it was suggested by the members that for commencement of the e-tendering, the concerned staff will have to undergo training for which TCIL/ DGS & D may be approached. Other institutes / organisations which have already adopted e-tendering like GKCIET, Malda, may be consulted. It was recommended by one of the members that S & S Section of MHRD can also be approached. It was decided that the e-tendering procedure be implemented by January 2016, as per the laid down guidelines of the government, on the subject.

Item# 36.03: To consider allotment of fund in excess of DST approved fund for the purchase of Ion Chromatography System.

The concerned department was asked to explain the situation under which they have fallen short of the requisite fund.

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The concerned faculty explained that the situation had arisen due to change in rates of USD and as such they had to submit a utilization certificate by December, 2015 due to which the additional fund was urgently required.

The committee members had a detailed discussion on the subject and felt that the purchase rules had not been followed while advertising for the procurement of the Ion Chromatography System.

In the absence of the wide publicity, the proposal was not accepted and the committee members recommended that the proposal be put up after proper advertising in the papers as per laid down rules and only then have it approved by the Chairperson, BOG. The committee decided to give the authority to the Chairperson for such approval and subsequent ratification by the committee.

It was further suggested that for all such projects, in future Dean (R&C) be given guidelines on issues like Dollar Cost, Advertising cost, upto three years maintenance cost and about 25% extra cost as cushion, to be incorporated in all future project proposals.

Item# 36.04: Providing and Fixing of Furniture and partition wall in the newly constructed Academic Block.

It was explained that the proposal had already been put up to the committee during its previous two meetings. As per the recommendations of the 35th FC, a team consisting of Director, Registrar, Dean (P&D) and SE CPWD had visited the new Academic block of IIT Delhi.

A presentation was made by Shri Rajeev Kumar, Superintending Engineer (Project), IIT Delhi, who had been especially invited for the purpose.

The presentation by SE IIT Delhi, was followed by a presentation by Shri Ajay Kumar SE, CPWD, NIT Durgapur.

In the above presentations, various features of the New Academic Block of IIT Delhi were highlighted and subsequently a comparison was made with the Academic Block of NIT Durgapur.

It was observed that in the case of furniture a saving of approximately Rs. 80 Lakhs can be achieved compared to the earlier proposal.

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The FC approved the procurement of furniture and partition wall in the newly constructed Academic Blok of NIT Durgapur.

It was further decided, that the provision for "Smart Systems" not considered in earlier proposal be also incorporated and the estimates for the same be worked out by CPWD and placed in the next FC for approval.

It was also suggested that the integrated maintenance contract also be included on the list of items to be brought up in the next FC meeting through B&WC.

Item# 36.05: Criteria and Evaluation of Best Performance Award.

The Chairman had prepared a detailed presentation on the subject.

The proposal was accepted in principle and approved for payment from the IRG. However, the Chairperson suggested that the proposal should be widely circulated to various departments and suggestions sought from the environment.

It was further suggested that transparency be maintained and ensured and for that purpose minimum two outside experts be incorporated for screening of the potential candidates.

The criteria for best teacher and laboratory be finalised by the Senate and for others i.e. best administrative, and support staff, committee of Deans/ HoDs may finalise the criteria.

Item# 36.06: To consider the proposal for the establishment of a state of the Art Laboratory of 'Renewable Energy' in the department of 'Electrical Engineering'.

The Chairperson briefed on the background of the proposal, followed by a presentation by Prof. S. Banerjee, HOD, EE and Dr. T.K. Saha, Project Coordinator.

It was suggested by the committee members that an M.Tech Programme in Renewable Energy be started alongwith the initiation of the said proposal. The HOD, EE however cited shortage of faculty members as a reason for not being able to start an additional M. Tech Programme.

One of the members recommended that M. Tech in Power System & M. Tech in Power Electronics and Drives, which have large common content, may be merged, to accommodate an additional M. Tech Programme in Renewable Energy.

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The Chairperson said that the M. Tech programme should be an integral part of this proposal. The proposal should come up in next BOG after incorporating the suggestions of the committee members.

Item# 36.07: Any other item with the permission of the chair.

- a) To consider the proposal for setting up of a Centre for Monitoring Human Values and Meditation, along with institution of Chair Professor (i.e Vivekananda Chair Professor of Values, Ethics and Culture) under department of Humanities & Social Studies was approved.

The proposal was explained by Prof. P.P Sengupta, of HSS Department.

One of the members suggested, that rather than opening new centres and becoming thin on ground, we should consolidate and scale up the activities, which are being offered by the programmes and departments.

All members were of similar opinion and suggested that we should concentrate on departmental activities, rather than opening new centres. Activities such as monitoring human values and meditation can be organised by inviting visiting faculty members more frequently.

- b) To consider the proposal for setting up a Multi Disciplinary Research Centre to carry out research of Social Issues by interlinking technology.

The Chairman questioned the requirement of opening separate centres. He recommended that such activity although very good, should be undertaken by having additional scholars and under schemes like NSS and Unnat Bharat Abhiyan. Additional research scholars may be allotted to HSS for this purpose. Dean (R & C) may explore possibility of extra scholars for the project.

It was pointed out that too many centres can create confusion as experienced by IIT Delhi, in the past. One of the members suggested merger of various existing centres which was agreed by the committee members.

On recommendation of the committee members, it was decided that a sum of Rs. 10 Lakhs be allocated separately for the Unnat Bharat Project, for which a separate committee is already functional, and the Director will chair it to decide the expenditure of above fund.


Brig. A. S. Nijjar
Registrar & Member Secretary
Finance Committee,
National Institute of Technology,
Durgapur

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NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

OFFICE OF THE CHIEF WARDEN

Date: December 07th, 2015

NOTE SHEET

A summon notice received by us from E.P.F.O authority in the matter of levy of damages u/s 14B and interest u/s 7Q for belated payment of E.P.F contribution of hostel employees (copy enclosed) of the Institute made during the period of November 1997 to January 2013. The penalty imposed due to the payment of contribution of E.P.F. made after the due date.

Our consultant(M/s LNB Services) appointed by the Institute authority appeared in the said hearing and finally the matter concluded.

An amount of Rs. 36,22,274/- (Rupees Thirty six lakhs twenty thousand two hundred seventy four only) for the period from November 1997 to January 2013 and Rs. 4,86,094/- (Rupees Four lakhs eighty six thousand and ninety four only) for the period from August 1999 to January 2004 has been claimed as penalty and interest for the said delayed payment of E.P.F. contribution.

Total amount of penalty of Rs. $(36,22,274+4,86,094)=41,08,368/-$ (Rupees Forty one lakhs eight thousand three hundred and sixty eight only) will have to be paid to the Regional P.F. Commissioner, Durgapur. The said amount is to be transferred from the Institute account to the Hostel Employees Welfare Fund at an early date for the necessary payment.

Submitted for kind approval.

J.M.
7.12.2015
Chief Warden

~~DIRECTOR~~

As the order has been issued by the EPF Commissioner which has to be carried out without fail within the stipulated time, it may be put to Hostel Chairman BOG & FC for approval. It will be ratified by the next FC meeting.

Asom 8/12
Chairman FC.

Approved
8/12/15
cls

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EMPLOYEES' PROVIDENT FUND ORGANISATION
SUB REGIONAL OFFICE
RED CROSS ROAD, CITY CENTRE, DURGAPUR (W.B)-713216

R.P. M.M.
R.P.

No. WB/DGP 0033995/000/Enf 500/Damages/ 10042

Date: 10.11.2015

Proceeding and Order U/s.14B of E.P.F & M.P. Act, 1952 of the Assistant Provident Fund Commissioner,

In the matter of levy of damages under section 14B of the Employees' Provident Funds & Miscellaneous Provisions Act, 1952 on M/s R. E. College Students Hostel (NIT), Durgapur -9, Burdwan -713209 (W.B).

1. M/s R. E. College Students Hostel (NIT), Durgapur -9, Burdwan-713209 (W.B) is an establishment covered under the Employees' Provident Funds & Miscellaneous Provisions Act, 1952 and the Schemes framed thereunder. They were required to pay:-

- (i) The Provident Fund Contributions under section 6 of the Act read with Para 38 of the Employees' Provident Fund Scheme, 1952.
- (ii) The Employees' Pension Fund contributions under section 6A of the Act read with Para 9(4) of the Employees' Pension Scheme, 1995.
- (iii) The Employees' Deposit Linked Insurance Scheme Contribution under section 6C of the Act.
- (iv) Administrative Charges under Para 38 of the Employees' Provident Fund Schemes 1952.
- (v) Administrative charges on Deposit Linked Insurance Scheme under section 6C of the Act.

2. The employer in relation to this establishment failed to pay in time:-

- (i) The Provident Fund Contributions for the months from 08/1999 to 01/2004.
- (ii) The Employees' Pension Fund Contributions for the months 08/1999 to 01/2004.
- (iii) The Employees' Deposit Linked Insurance Scheme contribution for the months 08/1999 to 01/2004.
- (iv) Administrative charges for the months 08/1999 to 01/2004.
- (v) Administrative charges on Deposit Linked Insurance Scheme for the months from 08/1999 to 01/2004.

Accordingly, a notice of Summons under this office letter No. WB/DGP/0033995/000/Enf 500/Damages dated-17/22.01.2014 was issued to the establishment to appear for hearing under section 14B of the EPF and MP Act, 1952 (and order for payment of interest under section 7Q) for belated remittance made during the period 08/1999 to 01/2004 awarding an opportunity of being heard before the Assistant Provident Fund Commissioner on 27.02.2014.

None appeared on 27.05.2014. The next date of hearing was fixed on 28.05.2015.

None appeared on 28.05.2015. The next date of hearing was fixed on 15.07.2015.

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None appeared on 15.07.2015. The next date of hearing was fixed on 11.08.2015.

On 11.08.2015, Sh. Goutam Mukherjee (Authorised Representative) appeared on behalf of the establishment and submitted a letter of authorization dated 10.08.2015 which was taken on records. Further Sh. Mukherjee (Authorised Representative) requested to adjourned to case today and fix another date for hearing due to non-verification of challans. Prayer was granted. Next date for hearing is fixed on 10.09.2015.

On 10.09.2015, Sh. Goutam Mukherjee (Authorised Representative) appeared on behalf of the establishment and was asked to submit F/12A(R) for the inquiry period on next date for hearing. The hearing was adjourned to 24.09.2015 and again on 06.11.2015.

On 06.11.2015, Sh. Goutam Mukherjee (Authorised Representative) appeared on behalf of the establishment and stated that there is no dispute objection regarding date of deposit and calculation sheet w/s 14B & 7Q which was send by the department and also agreed to deposit the assessed amount immediately. Assessment was done on the basis of available records and some period was bifurcated on month to month basis. The hearing is closed.

In exercise of the powers conferred upon me by section 14B of the Act, read with Govt. of India, Ministry of Labour Notification No.S.O.1553 dated 17.04.2002, I, Swapan Kumar Bankura, Assistant Provident Fund Commissioner, SR@, Durgapur think fit and accordingly order for the above reasons and levy of damages and interest for the delayed payment as follows:-

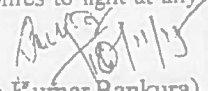
TO BE DEPOSITED

| M/s R. E. College Students Hostel (NIT), Durgapur -9, Burdwan-713209 (W.B) | | | | | | |
|--|--------|--------|-------|---------|---------|--------|
| Period : 08/1999 to 01/2004 | | | | | | |
| Account | A/c-I | A/c-II | A/c-X | A/c-XXI | A/c-XII | Total |
| 14B | 270329 | 52997 | 13763 | 1865 | 3292 | 342246 |
| 7Q | 111466 | 24366 | 5727 | 774 | 1515 | 143848 |
| TOTAL | 381794 | 77363 | 19491 | 2639 | 4807 | 486094 |

(Rupees Four Lacs Eighty Six Thousand Ninety Four only)

I further order that the amount of damages and accrued interest as stated above should be paid by the aforesaid establishment through electronic challan under intimation to the undersigned henceforth from the receipt of this order and submit the copy of challan immediately failing which necessary action for recovery of the amount will be initiated without further reference.

This order is without prejudice to any further liability under section 14B & 7Q for the period in question that may be levied if additional information about belated remittance comes to light at any point of time.


(Swapan Kumar Bankura)
Assistant Provident Fund Commissioner (Damages)
Sub Regional Office, Durgapur.

To,
M/s R. E. College Students Hostel (NIT),
Durgapur -9,
Burdwan-713209 (W.B).. Calculation sheet enclosed.

(11)



**SUMMON U/S 14B OF EPF & MP ACT 1952 TO THE EMPLOYER
 IN RESPECT OF M/s 33995 R E COLLEGE
 BEARING CODE NO**

To
 The Employer

PIN Code

Date 11/26/2015

This is to state that you have deposited EPF and allied dues belatedly the details of which are annexed herewith. Belated remittance of due attracts the provision u/s 14B of the EPF & MP Act 1952. Accordingly you are summoned to appear during the proceeding u/s 14B on before the undersigned at the above mentioned office address at

If you do not agree with the figures indicated in the annexed statement the matter may be brought to notice during the 14B proceeding with all the documentary evidence in support of your point.

In case, however you opt for not appearing before the undersigned during the 14B proceeding, it shall be presumed that you fully agree with the figures contained in the annexure and Penal Damages will be levied in accordance with the law to the following extent under provisions specified in Para 32-A of the EPF Scheme 1952, Para 5 of Pension Scheme 1995 and Para 8-A of EDLI Scheme 1976.*

It may also be noted that late remittance attracts section 7Q of the said act and accordingly penal interest is also payable from the due date up to the date of deposit. The details are annexed with this statement for your ready reference.

| CODE NO | | | | | | | |
|--|--------|--------|--------|---------|----------|--------|--|
| SUMMARY STATEMENT OF 33995 R E COLLEGE | | | | | | | |
| Account | PERIOD | FROM | | TO | | Total | |
| | | Aug-99 | Jan-04 | Aug-99 | Jan-04 | | |
| | A/c I | A/c II | A/c X | A/c XXI | A/c XXII | | |
| 14B | 270329 | 52997 | 13763 | 1865 | 3292 | 342246 | |
| 7Q | 111466 | 24366 | 5727 | 774 | 1515 | 143848 | |
| Total | 381794 | 77363 | 19491 | 2639 | 4807 | 486094 | |

If any amount is already deposited against the above dues the details of deposit is required to be produced either during the proceeding or it may be intimated to this office on any date prior to the date of proceeding so that the deposit could be adjusted against the above amount.

* Schemes refer to the 3 schemes framed under the EPF MP Act 1952

ANNEXURE-2

| Wage Month | A/c I | | A/c X | | A/c XXI | | A/c XXII | | DEP DATE | DUE DATE | DELAY | A/c I | PERIOD FROM | | A/c XXII | Jan-04 TOTAL |
|------------|-------|--------|-------|--------|----------|--------|----------|----------------|------------|------------|-------|-------|-------------|-----|----------|--------------|
| | A/c I | A/c II | A/c X | A/c XI | A/c XXII | A/c II | A/c X | Aug-99 A/c XXI | | | | | TO A/c XXII | | | |
| Aug-99 | 97497 | 633 | 17601 | | | | | | 9/23/1999 | 9/15/1999 | 8 | 256 | 2 | 46 | 0 | 304 |
| Sep-99 | 34969 | 227 | | | | | | | 11/3/2000 | 10/15/1999 | 385 | 4426 | 29 | | | 4455 |
| Oct-99 | 34969 | 227 | | | | | | | 11/3/2000 | 11/15/1999 | 354 | 4070 | 26 | | | 4096 |
| Nov-99 | 34969 | 227 | | | | | | | 11/3/2000 | 12/15/1999 | 324 | 3725 | 24 | | | 3749 |
| Dec-99 | 34969 | 227 | | | | | | | 11/3/2000 | 1/15/2000 | 293 | 3369 | 22 | | | 3390 |
| Jan-00 | 34969 | 227 | | | | | | | 11/3/2000 | 2/15/2000 | 262 | 3012 | 20 | | | 3032 |
| Feb-00 | 34969 | 227 | | | | | | | 11/3/2000 | 3/15/2000 | 233 | 2679 | 17 | | | 2696 |
| Mar-00 | 34969 | 227 | | | | | | | 11/3/2000 | 4/15/2000 | 202 | 2322 | 15 | | | 2337 |
| Apr-00 | 34969 | 227 | | | | | | | 11/3/2000 | 5/15/2000 | 172 | 1977 | 13 | | | 1990 |
| May-00 | 34969 | 227 | | | | | | | 11/3/2000 | 6/15/2000 | 141 | 1621 | 11 | | | 1632 |
| Jun-00 | 34969 | 227 | | | | | | | 11/3/2000 | 7/15/2000 | 111 | 1276 | 8 | | | 1284 |
| Nov-00 | 42578 | 276 | | | | | | | 12/27/2000 | 12/15/2000 | 12 | 168 | 1 | | | 169 |
| Dec-00 | 42578 | 276 | 7686 | 1047 | | | | | 4/3/2001 | 1/15/2001 | 78 | 1092 | 7 | 197 | 27 | 1323 |
| Jan-01 | 42894 | 279 | | | | | | | 5/23/2001 | 2/15/2001 | 97 | 1368 | 9 | | | 1377 |
| Feb-01 | 42489 | 26 | 7674 | 1045 | | | | | 5/23/2001 | 3/15/2001 | 69 | 964 | 1 | 174 | 24 | 1162 |
| Mar-01 | 42489 | 26 | 7674 | 1045 | | | | | 5/23/2001 | 4/15/2001 | 38 | 531 | 0 | 96 | 13 | 640 |
| May-01 | 43656 | 284 | 7886 | 1073 | | | | | 7/31/2001 | 6/15/2001 | 46 | 660 | 4 | 119 | 16 | 800 |
| Apr-01 | 42831 | 279 | 7737 | 1053 | | | | | 5/11/2002 | 5/15/2001 | 77 | 1084 | 7 | 196 | 27 | 1314 |
| Jun-01 | 43656 | 284 | 7886 | 1073 | | | | | 5/11/2002 | 7/15/2001 | 300 | 4306 | 28 | 778 | 106 | 5218 |
| Jan-02 | 44661 | 290 | 8060 | 1098 | | | | | 5/11/2002 | 2/15/2002 | 85 | 1248 | 8 | 225 | 31 | 1512 |
| Feb-02 | 44661 | 290 | 8060 | 1098 | | | | | 5/11/2002 | 4/15/2002 | 57 | 837 | 5 | 151 | 21 | 1014 |
| Mar-02 | 44612 | 289 | 8060 | 1098 | | | | | 5/11/2002 | 4/15/2002 | 26 | 382 | 2 | 69 | 9 | 463 |
| Dec-01 | 44612 | 289 | 8053 | 1097 | | | | | 5/11/2002 | 1/15/2002 | 116 | 1701 | 11 | 307 | 42 | 2061 |
| Aug-01 | 44063 | 285 | 7928 | 1080 | | | | | 5/11/2002 | 9/15/2001 | 238 | 3448 | 22 | 620 | 85 | 4175 |
| Sep-01 | 44063 | 285 | 7928 | 1080 | | | | | 5/11/2002 | 10/15/2001 | 208 | 3013 | 19 | 542 | 74 | 3649 |
| Oct-01 | 44063 | 285 | 7928 | 1080 | | | | | 5/11/2002 | 11/15/2001 | 177 | 2564 | 17 | 461 | 63 | 3105 |
| Nov-01 | 44063 | 285 | 7928 | 1080 | | | | | 5/11/2002 | 12/15/2001 | 147 | 2130 | 14 | 383 | 52 | 2579 |
| Jul-01 | 43656 | 284 | 7886 | 1073 | | | | | 5/11/2002 | 8/15/2001 | 268 | 3861 | 25 | 697 | 95 | 4678 |
| Apr-02 | 43904 | 2375 | 7921 | 1079 | | | | | 6/24/2002 | 5/15/2002 | 40 | 577 | 31 | 104 | 14 | 727 |
| Jun-02 | 43787 | 2368 | 7901 | 1077 | | | | | 9/6/2002 | 7/15/2002 | 53 | 763 | 41 | 138 | 19 | 961 |
| May-02 | 44647 | 2415 | 8056 | 1098 | | | | | 9/6/2002 | 6/15/2002 | 83 | 1218 | 66 | 220 | 30 | 1535 |
| Jul-02 | 44647 | 2415 | 8056 | 1098 | | | | | 10/8/2002 | 8/15/2002 | 54 | 793 | 43 | 143 | 19 | 998 |
| Aug-02 | 43787 | 2368 | 7901 | 1077 | | | | | 10/8/2002 | 9/15/2002 | 23 | 331 | 18 | 60 | 8 | 417 |
| Sep-02 | 43787 | 10269 | | | 1100 | | | | 1/18/2003 | 10/15/2002 | 95 | 1368 | 321 | | 34 | 1723 |
| Oct-02 | 43787 | 10269 | | | 1100 | | | | 1/18/2003 | 11/15/2002 | 64 | 921 | 216 | | 23 | 1161 |
| Nov-02 | 43787 | 10269 | | | 1100 | | | | 1/18/2003 | 12/15/2002 | 34 | 489 | 115 | | 12 | 617 |
| Dec-02 | 42925 | 10067 | | | 1077 | | | | 2/7/2003 | 1/15/2003 | 23 | 325 | 76 | | 8 | 409 |
| Jan-03 | 43831 | 10280 | | | 1100 | | | | 4/3/2003 | 2/15/2003 | 47 | 677 | 159 | | 17 | 853 |
| Feb-03 | 42971 | 10079 | | | 1079 | | | | 4/3/2003 | 3/15/2003 | 19 | 268 | 63 | | 7 | 338 |
| Apr-03 | 44412 | 10417 | | | 1114 | | | | 6/27/2003 | 5/15/2003 | 43 | 628 | 147 | | 16 | 791 |

ANNEXURE-2

| Waga Month | PENAL INTEREST OF 33995 R E COLLEGE | | | A/c I | A/c II | A/c X | A/c XXI | A/c XXII | DEP DATE | DUE DATE | DELAY | A/c I | A/c II | PERIOD FROM | | TO | Jan-04 TOTAL |
|------------|-------------------------------------|--------|-------|-------|--------|-------|---------|-----------|------------|----------|-------|-------|--------|-------------|-------|----|-----------------|
| | A/c I | A/c II | A/c X | | | | | | | | | | | A/c II | A/c X | | |
| Mar-03 | 42971 | 10079 | | 1079 | | | | 6/27/2003 | 4/15/2003 | 73 | 1031 | 242 | 26 | 1299 | | | |
| Aug-03 | 41135 | 9649 | | 1033 | | | | 1/13/2004 | 9/15/2003 | 120 | 1623 | 381 | 41 | 2044 | | | |
| Sep-03 | 43128 | 10119 | | 1082 | | | | 1/13/2004 | 10/15/2003 | 90 | 1276 | 299 | 32 | 1608 | | | |
| Oct-03 | 45434 | 10660 | | 1139 | | | | 1/13/2004 | 11/15/2003 | 59 | 881 | 207 | 22 | 1110 | | | |
| Jul-03 | 41135 | 9649 | | 1033 | | | | 1/13/2004 | 8/15/2003 | 151 | 2042 | 479 | 51 | 2572 | | | |
| Nov-03 | 42250 | 9912 | | 1060 | | | | 1/13/2004 | 12/15/2003 | 29 | 403 | 95 | 10 | 507 | | | |
| May-03 | 42889 | 10060 | | 1076 | | | | 1/13/2004 | 6/15/2003 | 212 | 2989 | 701 | 75 | 3765 | | | |
| Jun-03 | 42012 | 9854 | | 1054 | | | | 1/13/2004 | 7/15/2003 | 182 | 2514 | 590 | 63 | 3167 | | | |
| Jan-04 | 42305 | 9924 | | 1061 | | | | 2/25/2004 | 2/15/2004 | 10 | 139 | 33 | 3 | 175 | | | |
| Feb-01 | 69681 | 42688 | | 2322 | | | | 1/15/2005 | 3/15/2001 | 1402 | 32118 | 19676 | 1070 | 52865 | | | |

| Wage Month | PENAL DAMAGES OF 33995 R E COLLEGE | | | | | | | | | | | Jan-04 TOTAL |
|------------|------------------------------------|--------|-------|---------|----------|------------|------------|-------|-------|--------|-------|-----------------|
| | A/c I | A/c II | A/c X | A/c XXI | A/c XXII | DEP DATE | DUE DATE | DELAY | A/c I | A/c II | A/c X | |
| Aug-99 | 97497 | 633 | 17601 | | 2 | 9/23/1999 | 9/15/1999 | 8 | 363 | 2 | 66 | 431 |
| Sep-99 | 34969 | 227 | | | | 11/3/2000 | 10/15/1999 | 385 | 13647 | 89 | | 13737 |
| Oct-99 | 34969 | 227 | | | | 11/3/2000 | 11/15/1999 | 354 | 12549 | 81 | | 12630 |
| Nov-99 | 34969 | 227 | | | | 11/3/2000 | 12/15/1999 | 324 | 11485 | 75 | | 11560 |
| Dec-99 | 34969 | 227 | | | | 11/3/2000 | 1/15/2000 | 293 | 10386 | 67 | | 10454 |
| Jan-00 | 34969 | 227 | | | | 11/3/2000 | 2/15/2000 | 262 | 9287 | 60 | | 9348 |
| Feb-00 | 34969 | 227 | | | | 11/3/2000 | 3/15/2000 | 233 | 8259 | 54 | | 8313 |
| Mar-00 | 34969 | 227 | | | | 11/3/2000 | 4/15/2000 | 202 | 7161 | 46 | | 7207 |
| Apr-00 | 34969 | 227 | | | | 11/3/2000 | 5/15/2000 | 172 | 4449 | 29 | | 4478 |
| May-00 | 34969 | 227 | | | | 11/3/2000 | 6/15/2000 | 141 | 3647 | 24 | | 3671 |
| Jun-00 | 34969 | 227 | | | | 11/3/2000 | 7/15/2000 | 111 | 2340 | 15 | | 2355 |
| Nov-00 | 42578 | 276 | | | 2 | 12/27/2000 | 12/15/2000 | 12 | 238 | 2 | | 240 |
| Dec-00 | 42578 | 276 | 7686 | 1047 | 2 | 4/3/2001 | 1/15/2001 | 78 | 2002 | 13 | 361 | 2425 |
| Jan-01 | 42894 | 279 | | | 2 | 5/23/2001 | 2/15/2001 | 97 | 2508 | 16 | | 2524 |
| Feb-01 | 42489 | 26 | | 1045 | 1 | 5/23/2001 | 3/15/2001 | 69 | 1767 | 1 | 319 | 2131 |
| Mar-01 | 42489 | 26 | 7674 | 1045 | 1 | 5/23/2001 | 4/15/2001 | 38 | 752 | 0 | 136 | 907 |
| May-01 | 43656 | 284 | 7886 | 1073 | 2 | 7/31/2001 | 6/15/2001 | 46 | 935 | 6 | 169 | 1133 |
| Apr-01 | 42831 | 279 | 7737 | 1053 | 2 | 7/31/2001 | 5/15/2001 | 77 | 1988 | 13 | 359 | 2409 |
| Jun-01 | 43656 | 284 | 7886 | 1073 | 2 | 5/11/2002 | 7/15/2001 | 300 | 13276 | 86 | 2398 | 16088 |
| Jan-02 | 44661 | 290 | 8060 | 1098 | 2 | 5/11/2002 | 2/15/2002 | 85 | 2288 | 15 | 413 | 2772 |
| Feb-02 | 44661 | 290 | 8060 | 1098 | 2 | 5/11/2002 | 3/15/2002 | 57 | 1186 | 8 | 214 | 1436 |
| Mar-02 | 44661 | 290 | 8060 | 1098 | 2 | 5/11/2002 | 4/15/2002 | 26 | 541 | 4 | 98 | 655 |
| Dec-01 | 44612 | 289 | 8053 | 1097 | 2 | 5/11/2002 | 1/15/2002 | 116 | 3119 | 20 | 563 | 3779 |
| Aug-01 | 44063 | 285 | 7928 | 1080 | 2 | 5/11/2002 | 9/15/2001 | 238 | 10631 | 69 | 1913 | 12873 |
| Sep-01 | 44063 | 285 | 7928 | 1080 | 2 | 5/11/2002 | 10/15/2001 | 208 | 9291 | 60 | 1672 | 11250 |
| Oct-01 | 44063 | 285 | 7928 | 1080 | 2 | 5/11/2002 | 11/15/2001 | 177 | 5769 | 37 | 1038 | 6986 |
| Nov-01 | 44063 | 285 | 7928 | 1080 | 2 | 5/11/2002 | 12/15/2001 | 147 | 4791 | 31 | 882 | 5802 |
| Jul-01 | 43656 | 284 | 7886 | 1073 | 2 | 5/11/2002 | 8/15/2001 | 269 | 11904 | 77 | 2150 | 14425 |
| Apr-02 | 43904 | 2375 | 7921 | 1079 | 22 | 6/24/2002 | 5/15/2002 | 40 | 818 | 44 | 148 | 1030 |
| Jun-02 | 43787 | 2368 | 7901 | 1077 | 23 | 9/6/2002 | 7/15/2002 | 53 | 1081 | 58 | 195 | 1362 |
| May-02 | 44647 | 2415 | 8056 | 1098 | 23 | 9/6/2002 | 6/15/2002 | 83 | 2234 | 121 | 403 | 2813 |
| Jul-02 | 44647 | 2415 | 8056 | 1098 | 23 | 10/8/2002 | 8/15/2002 | 54 | 1123 | 61 | 203 | 1414 |
| Aug-02 | 43787 | 2368 | 7901 | 1077 | 23 | 10/8/2002 | 9/15/2002 | 23 | 469 | 25 | 85 | 591 |
| Sep-02 | 43787 | 10269 | | | 1100 | 1/18/2003 | 10/15/2002 | 95 | 2507 | 588 | | 3158 |
| Oct-02 | 43787 | 10269 | | | 1100 | 1/18/2003 | 11/15/2002 | 64 | 1689 | 396 | | 2128 |
| Nov-02 | 43787 | 10269 | | | 1100 | 1/18/2003 | 12/15/2002 | 34 | 693 | 163 | | 873 |
| Dec-02 | 42925 | 10067 | | | 1077 | 2/7/2003 | 1/15/2003 | 23 | 460 | 108 | | 579 |
| Jan-03 | 43831 | 10280 | | | 1100 | 4/3/2003 | 2/15/2003 | 47 | 959 | 225 | | 1208 |
| Feb-03 | 42971 | 10079 | | | 1079 | 4/3/2003 | 3/15/2003 | 19 | 380 | 89 | | 479 |
| Apr-03 | 44412 | 10417 | | | 1114 | 6/27/2003 | 5/15/2003 | 43 | 889 | 209 | | 1120 |

ANNEXURE-1

| Wage Month | A/c I | A/c II | A/c X | A/c XXI | A/c XXII | DEP DATE | DUE DATE | DELAY | A/c I | A/c II | PERIOD FROM | Aug-99 | TO | Jan-04 |
|------------|-------|--------|-------|---------|----------|-----------|------------|-------|-------|--------|-------------|---------|----------|--------|
| | | | | | | | | | | | A/c X | N/c XXI | A/c XXII | TOTAL |
| Mar-03 | 42971 | 10079 | | | 1079 | 6/27/2003 | 4/15/2003 | 73 | 1891 | 443 | | | 47 | 2382 |
| Aug-03 | 41135 | 9649 | | | 1033 | 1/13/2004 | 9/15/2003 | 120 | 2975 | 698 | | | 75 | 3748 |
| Sep-03 | 43128 | 10119 | | | 1082 | 1/13/2004 | 10/15/2003 | 90 | 2340 | 549 | | | 59 | 2947 |
| Oct-03 | 45434 | 10660 | | | 1139 | 1/13/2004 | 11/15/2003 | 59 | 1249 | 293 | | | 31 | 1573 |
| Jul-03 | 41135 | 9649 | | | 1033 | 1/13/2004 | 8/15/2003 | 151 | 4595 | 1078 | | | 115 | 5788 |
| Nov-03 | 42250 | 9912 | | | 1060 | 1/13/2004 | 12/15/2003 | 29 | 571 | 134 | | | 14 | 719 |
| May-03 | 42889 | 10060 | | | 1076 | 1/13/2004 | 6/15/2003 | 212 | 9217 | 2162 | | | 231 | 11610 |
| Jun-03 | 42012 | 9854 | | | 1054 | 1/13/2004 | 7/15/2003 | 182 | 7751 | 1818 | | | 194 | 9763 |
| Jan-04 | 42305 | 9924 | | | 1061 | 2/25/2004 | 2/15/2004 | 10 | 197 | 46 | | | 5 | 248 |
| Feb-01 | 69681 | 42688 | | | 2322 | 1/15/2005 | 3/15/2001 | 1402 | 69681 | 42688 | | | 2322 | 114691 |



EMPLOYEES' PROVIDENT FUND ORGANISATION
SUB REGIONAL OFFICE
RED CROSS ROAD, CITY CENTRE, DURGAPUR (W.B)-713216

No. WB/DGP 0033995 000/Enf 500/Damages

Date: 10.11.2015

Proceeding and Order U/s.14B of E.P.F & M.P. Act, 1952 of the Assistant
Fund Commissioner. Provident

In the matter of levy of damages under section 14B of the Employees' Provident Funds & Miscellaneous Provisions Act, 1952 on M/s R. E. College Students Hostel (NIT), Durgapur -9, Burdwan-713209 W B

1. M/s R. E. College Students Hostel (NIT), Durgapur -9, Burdwan-713209 (W.B) is an establishment covered under the Employees' Provident Funds & Miscellaneous Provisions Act, 1952 and the Schemes framed thereunder. They were required to pay:-

- (i) The Provident Fund Contributions under section 6 of the Act read with Para 38 of the Employees' Provident Fund Scheme, 1952.
- (ii) The Employees' Pension Fund contributions under section 6A of the Act read with Para 9(4) of the Employees' Pension Scheme, 1995.
- (iii) The Employees' Deposit Linked Insurance Scheme Contribution under section 6C of the Act.
- (iv) Administrative Charges under Para 38 of the Employees' Provident Fund Schemes 1952.
- (v) Administrative charges on Deposit Linked Insurance Scheme under section 6C of the Act.

2. The employer in relation to this establishment failed to pay in time:-

- (i) The Provident Fund Contributions for the months from 11/1997 to 01/2013.
- (ii) The Employees' Pension Fund Contributions for the months 11/1997 to 01/2013.
- (iii) The Employees' Deposit Linked Insurance Scheme contribution for the months 11/1997 to 01/2013.
- (iv) Administrative charges for the months 11/1997 to 01/2013.
- (v) Administrative charges on Deposit Linked Insurance Scheme for the months from 11/1997 to 01/2013.

Accordingly, a notice of Summon under this office letter No. WB/DGP/0033995/000/Enf 500/Damages dated-17/22.01.2014 was issued to the establishment to appear for hearing under section 14B of the EPF and MP Act, 1952 (and order for payment of interest under section 7Q) for belated remittance made during the period 11/1997 to 01/2013 awarding an opportunity of being heard before the Assistant Provident Fund Commissioner on 27.02.2014.

None appeared on 27.05.2014. The next date of hearing was fixed on 28.05.2015.

None appeared on 28.05.2015. The next date of hearing was fixed on 15.07.2015.

Contd. Page-02

None appeared on 15.07.2015. The next date of hearing was fixed on 11.08.2015.

On 11.08.2015, Sh. Goutam Mukherjee (Authorised Representative) appeared on behalf of the establishment and submitted a letter of authorization dated 10.08.2015 which was taken on records. Further Sh. Mukherjee (Authorised Representative) requested to adjourn to case today and fix another date for hearing due to non-verification of challans. Prayer was granted. Next date for hearing is fixed on 10.09.2015.

On 10.09.2015, Sh. Goutam Mukherjee (Authorised Representative) appeared on behalf of the establishment and was asked to submit F/12A(R) for the inquiry period on next date for hearing. The hearing was adjourned to 24.09.2015 and again on 06.11.2015.

On 06.11.2015, Sh. Goutam Mukherjee (Authorised Representative) appeared on behalf of the establishment and stated that there is no dispute objection regarding date of deposit and calculation sheet u/s 14B & 7Q which was sent by the department and also agreed to deposit the assessed amount immediately. Assessment was done on the basis of available records. The hearing is closed.

In exercise of the powers conferred upon me by section 14B of the Act, read with Govt. of India, Ministry of Labour Notification No.S.O.1553 dated 17.04.2002, I, Swapan Kumar Bankura, Assistant Provident Fund Commissioner, SR@, Durgapur think fit and accordingly order for the above reasons and levy of damages and interest for the delayed payment as follows:-

TO BE DEPOSITED

| M/s R. E. College Students Hostel (NIT), Durgapur -9, Burdwan-713209 (W.B) | | | | | | |
|--|---------|--------|-------|---------|---------|---------|
| Period : 11/1997 to 01/2013 | | | | | | |
| Account | A/c-I | A/c-II | A/c-X | A/c-XXI | A/c-XII | Total |
| 14B | 1467223 | 431192 | 582 | 37 | 97362 | 1996396 |
| 7Q | 1195071 | 350762 | 806 | 54 | 79185 | 1625878 |
| TOTAL | 2662294 | 781954 | 1388 | 91 | 176547 | 3622274 |

(Rupees Thirty Six Lacs Twenty Two Thousand Two Hundred Seventy Four only)

I further order that the amount of damages and accrued interest as stated above should be paid by the aforesaid establishment through electronic challan under intimation to the undersigned henceforth from the receipt of this order and submit the copy of challan immediately failing which necessary action for recovery of the amount will be initiated without further reference.

This order is without prejudice to any further liability under section 14B & 7Q for the period in question that may be levied if additional information about belated remittance comes to light at any point of time.


(Swapan Kumar Bankura)
Assistant Provident Fund Commissioner (Damages)
Sub Regional Office, Durgapur.

To,
M/s R. E. College Students Hostel (NIT),
Durgapur -9,
Burdwan-713209 (W.B)



Government of India
Central Public Works Department
O/o the Project Manager, NIT Durgapur Project Circle
Qtr. No. A/5, NIT Campus, Durgapur-713209,
Ph: 0343-2542361.
e-mail: pmcpwdnitdgp@gmail.com

No. -54(23)/PM/NITDPC/PWD 2015-16 316

Dated. - 11 12 2015

To
The Dean (P&D)
National Institute of Technology
Mahatma Gandhi Avenue
Durgapur-713209

(Excell No 6)

Sub: - Renovation of toilet Blocks of Hostel nos.1 to 9 at NIT Durgapur
Sir

Enclosed please find herewith the estimate for Renovation of toilet Blocks of Hostel nos.1 to 9 at NIT Durgapur for accord of Administrative Approval and Expenditure Sanction of the Competent Authority.

The necessity of framing the preliminary Estimate has clearly been explained in the history sheet of the estimate. The head of account to which the expenditure will be booked may be mentioned at the time of conveying Administrative Approval and Expenditure Sanction of the Competent Authority.

It is requested to return one copy of Sanctioned Preliminary Estimate to this office as token of formal approval of the Competent Authority.

Encl: - As stated

(C. P. Sharma)

Executive Engineer

NIT Durgapur Project Division

Copy to:-

1. The Director, NIT, Durgapur-09 for information please.
2. The Registrar, NIT, Durgapur-09 for information please.
3. The Project Manager, NIT Durgapur Project Circle, CPWD, Durgapur-09 for information please.

Executive Engineer



GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT
OFFICE OF THE EXECUTIVE ENGINEER
NIT DURGAPUR PROJECT DIVISION

PRELIMINARY ESTIMATE

NAME OF WORK: Renovation of toilet Blocks of Hostel nos.1 to 9^(Except No.6) at NIT
Durgapur.

ESTIMATED COST: - Rs. 2.10,10,000/- i/c Contingencies

CIRCLE: - NIT DURGAPUR PROJECT CIRCLE, CPWD, DURGAPUR.

DIVISION: - NIT DURGAPUR PROJECT DIVISION, CPWD, DURGAPUR.

TIME: - 06(Six) Months

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

STATE: WEST BENGAL

BRANCH: B & R

CIRCLE: NIT DURGAPUR PROJECT CIRCLE.

DIVISION: NIT DURGAPUR PROJECT DIVISION.

ESTIMATE NO.

NAME OF WORK: Renovation of toilet Blocks of Hostel nos.1 to 9^(except no 6) at NIT Durgapur.

Fund:

| MAJOR HEAD | MINOR HEAD | DETAILED HEAD |
|------------|------------|---------------|
| | | |

Preliminary Estimate framed by Er. C. P. Sharma, Executive Engineer, NIT Durgapur Project Division, CPWD, Durgapur of the Probable cost of Rs. 2,10,10,000.00 i/c 3% Contingencies.

REPORT

HISTORY:

This Preliminary estimate amounting to Rs. 2,10,10,000/- (Rupees Two Crore Ten Lakh & Ten Thousands) only i/c 3% Contingencies, 2% VAT & 1% WB Govt. Contract Labour Welfare Cess has been framed to cover the probable cost of the above work and accord of necessary A/A & E/S of the competent authority.

This estimate has been prepared as per discussion in the meeting held with the Director, NIT Durgapur on 04.12.2015 in his chamber and survey done in hostel no. 1 to 9 except extension part of hostel no. 1, 2 and 5.

These Hostels are very old and the toilets are in very bad conditions. Following observations were noticed in these toilets:-

- a) Seepage in walls and ceiling of toilet blocks
- b) Floor undulation in toilet blocks
- c) No depression in toilets
- d) Reverse slope in toilet blocks in hostel no. 8.
- e) In some boys hostels water tank is at far distance from the toilet block and hence sufficient water pressure is not available in toilet and basin.
- f) Sewer line in very bad condition/leaking
- g) Light fittings in loose conditions

DESIGN AND SCOPE:

No special design has been kept in the estimate. However following provisions have been kept:-

- A) Water proofing treatment to check seepage in ceiling and walls of toilet blocks
- B) To raise the flooring of some toilet blocks to provide depression in toilets,
- C) To rectify the floor undulation in some toilet blocks and to replace floor tiles.
- D) Replacement of W.C. pans wherever required,
- E) Replacement of C.I. (sanitary) wherever required.
- F) PVC door replacement wherever required,
- G) PVC water tanks for placing near the toilet blocks for sufficient water pressure in toilets/bathroom/basin.
- H) Repairing of plasters on inside and outside walls of toilet blocks. wherever required.
- I) Painting of inside and outside walls of Toilet blocks.
- J) Kota flooring in store in hotel no. 8.
- K) Internal Electrical Installations.
- L) Energy saving Electrical Fittings & Fixtures.
- M) 50 ltr Geyser for each toilet block unit &
- N) 1 no. exhaust fan for small toilet unit & 2 nos. exhaust fan for large toilet unit.

SPECIFICATIONS: The work shall be carried out as per CPWD specification 2009, Vol I to Vol -II in general with up to date correction slip.

LAND: Available.

RATE: Based on DSR 2014 enhanced by @ 3.8% to account for the present approved cost index.

COST: Rs. 2,10,10,000/- i/c 3% Contingencies.

T&P: To be arranged by the Contractor.

WC ESTABLISHMENT: Will be met out of Contingencies.

METHOD: By contract after call of tender.

TIME: 06 (Six) months (01 month for planning and 05 months for execution).

Assistant Engineer-II



Executive Engineer


ABSTRACT OF COST

(Except 146)

Name of Work:- Renovation of toilet Blocks of Hostel nos.1 to 9 at NIT Durgapur.

| Item No. | Sub-heads and items of work | Amount (Civil Portion) | Amount (Electrical Portion) | Total Amount (Rs.) | Remarks |
|----------|--|------------------------|---|--------------------|---------------|
| | 2. | 3. | 4. | 5. | 6 |
| 1. | | | | | |
| (A) | Renovation of toilets of Hostels: A.J.C. Bose Hall, S. N. Bose & Netaji Subhas Ch. Bose Hall | 5,021,834.00 | | 5,021,834.00 | Appendix- "A" |
| (B) | Renovation of toilets of Hostels: Vivakananda, R. N. Tagor, & C. V. Raman | 8,936,601.00 | | 8,936,601.00 | Appendix- "B" |
| (C) | Renovation of Toilets of Hostels: Pritilata & Nebadita | 826,541.00 | | 826,541.00 | Appendix- "C" |
| (D) | Electrical Work | | 2,773,800.00 | 2,773,800.00 | Appendix- "D" |
| | Sub-Work - A - (Electrical Installation) | | 1,519,000.00 | 1,519,000.00 | |
| | Sub-Work - B - (Cyser) | | | | |
| | Total | 14,784,976.00 | 4,292,800.00 | 19,077,776.00 | |
| | | | Add 3% Contingencies | 572,333.00 | |
| | | | TOTAL | 19,077,776.00 | |
| | | | Add Service Tax@ 40% of 14% i.e. 5.6% of Estimated Cost = | 1,068,355.00 | |
| | | | Add ESI@ 4.75% of 25% i.e. 1.19% of Estimated Cost = | 227,026.00 | |
| | | | Add EPF@ 13.36% of 25% i.e. 3.34% of Estimated Cost = | 637,198.00 | |
| | | | Grand Total= | 21,010,355.00 | |
| | | | Say Rs. | 21,010,000.00 | |


 Executive Engineer (C)
 NIT Durgapur Project Division


 Executive Engineer (EI)
 NIT Durgapur Project Electrical Division

Project Manager
 NIT Durgapur Project Circle

| Sl. No. | Description | Qty. | Unit | Rate | Amount | Item No |
|---------|---|------|-------|---------|-----------|---------|
| 1) | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer in charge. | | | | | 15.2 |
| | 1:3:6 or richer mix | 19.5 | cum | 892.70 | 17408.00 | 15.2.1 |
| 2) | Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in : | | | | | 6.4 |
| | Cement mortar 1:4 (1 cement: 4 coarse sand) | 28.5 | cum | 5667.55 | 161525.00 | 6.4.1 |
| 3) | Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size). | 21 | cum | 6778.20 | 142342.00 | 5.3 |
| 4) | Centring and shuttering including strutting, propping etc. and removal of form for: | | | | | 5.9 |
| a) | Suspended floors, roofs, landings, balconies and access platform. | 132 | sqm | 401.65 | 53018.00 | 5.9.3 |
| b) | Lintels, beams, plinth beams, girders, bressumers and cantilevers. | 39 | sqm | 332.15 | 12954.00 | 5.9.5 |
| 5) | Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. | | | | | 5.22 A |
| | Thermo-Mechanically Treated bars. | 2040 | kg | 68.10 | 138924.00 | 5.22.6 |
| 6) | Cleaning of RCC to remove dust and loosely adhering particles completely. | 390 | sqm | 20.00 | 7800.00 | M.R. |
| 7) a) | Supply and application of 1:3 cement-sand mortar mixed with Sika Latex diluted with ater @ 1:4 and mixed with cement @ 4% by weight of cement -the polymer modified high quality emulsion, as a coving at the corners of floor and the vertical surface in the sunken area. and between floor and walls in the remaining area. | 366 | metre | 150.00 | 54900.00 | M.R. |
| 7) b) | First layer of slurry of cement @ 0.488 kg/sqm mixed with Sika Raintite I-acrylic based polymer waterproofing compound @ 0.253 kg/sqm. This layer will be allowed to dry for 4 hrs. The second layer of slurry of cement @ 0.242 kg/sqm mixed with Sika Raintite I-acrylic based polymer waterproofing compound @ 0.147 kg/sqm. This layer also will be allowed to dry for 4 hrs. The coating shall go upto 150 mm height tp the wall from floor level. | 390 | sqm | 160.00 | 62400.00 | M.R. |
| 8) | Sealing the pipe joint with cement mortar admix with Sika Latex. | 105 | Nos | 200 | 21000.00 | M.R. |
| 9) | Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillies, sunken floor, etc., up to floor five level. excluding the cost of centering, shuttering and finishing : | | | | | 4.2 |
| | 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) | 12 | cum | 6450.00 | 77400.00 | 4.2.3 |

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| Sl. No. | Description | Qty. | Unit | Rate | Amount | Item No |
|---------|---|------|-------|---------|-----------|---------|
| 10) | Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours White, Ivory, Grey, Fume Red., Brown, laid on 20mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete. | 300 | sqm | 1007.60 | 302744.00 | 11.40 |
| 11) | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead. | 140 | sqm | 120.05 | 16842.00 | 15.56 |
| 12) | 6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand) | 540 | sqm | 134.70 | 72738.00 | 13.16 |
| 13) | 12 mm cement plaster of mix : 1:4 (1 cement : 4 fine sand) | 165 | sqm | 163.65 | 27002.00 | 13.11 |
| 14) | 15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement : 4 fine sand) | 555 | sqm | 189.40 | 105117.00 | 13.21 |
| 15) | Applying one coat of cement primer of approved brand and manufacture on wall surface Cement primer | 360 | sqm | 35.85 | 120456.00 | 13.43 |
| 16) | Distemping with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. | | | | | 13.42 |
| 17) | Two or more coats on new work Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. | 1305 | sqm | 50.65 | 66098.00 | 13.42.1 |
| 18) | Fixed to openings /wooden frames with rawl plugs screws etc. Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. | 1290 | kg | 116.90 | 150801.00 | 9.48.2 |
| 19) | Finishing walls with Acrylic Smooth exterior paint of required shade : Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface | 2145 | sqm | 9.90 | 21236.00 | 14.46 |
| 20) | Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (± 0.2 mm), made out of single piece extruded PVC profile, with mitted cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm . including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x 100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in-charge. | 2055 | sqm | 67.30 | 138302.00 | 14.66.1 |
| | | 594 | metre | 611.55 | 363261.00 | 9.141 |

| Sl. No. | Description | Qty. | Unit | Rate | Amount | Item No. |
|---------|--|-------|-----------|---------|-----------|-----------|
| 21) | 35 mm thick factory made Solid panel PVC Door shutter. made out of single piece extruded solid PVC profiles. 5 mm (± 0.2 mm) thick, having styles & rails (except lock rail) of size 95 mm x 55 mm x 5 mm. out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm x 20 mm x 1 mm, joints of styles & rails to be mitered cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm x 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge. | 264 | metre | 2700.20 | 0.00 | 9.142.1 |
| 22) | Non decorative finish (matt finish) Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment). | 142.5 | kg | 114.15 | 162664.00 | 10.11.1 |
| 23) | Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) | 360 | metre | 186.25 | 67050.00 | 18.12.1 |
| a) | Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. | 480 | metre | 209.95 | 100776.00 | 18.12.2 |
| b) | 15 mm dia nominal bore | | | | 18.54 | |
| 24) | 20 mm dia nominal bore | 132 | each | 156.05 | 20599.00 | 18.54.1 |
| 25) | Providing and fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 86 mm long, weighing not less than 88 gms | 330 | each | 156.05 | 51497.00 | 18.55.1 |
| 26) | Providing and fixing PTMT stop cock of approved quality and colour. 15 mm nominal bore, 86 mm long, weighing not less than 88 gms | 99 | each | 228.70 | 22641.00 | 18.56.1 |
| 27) | Providing and fixing PTMT pillar cock of approved quality and colour. 15 mm nominal bore, 107 mm long, weighing not less than 110 gms | 99 | each | 141.75 | 14033.00 | 18.64 |
| 28) | Providing and fixing PTMT swivelling shower, 15 mm nominal bore, weighing not less than 40 gms Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. | 231 | each | 74.70 | 17256.00 | 18.74.2 |
| 29) | 15 mm nominal bore with 45 cm length Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. | 60000 | Per litre | 7.25 | 435000.00 | 18.48 |
| 30) | Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. | 99 | each | 76.75 | 7598.00 | 17.28.1.1 |
| | Semi rigid pipe 32 mm dia | | | | | |

| Sl. No. | Description | Qty. | Unit | Rate | Amount | Item No |
|---------|--|------|-------|--------|------------|-------------------------------|
| 31) | Providing and fixing soil, waste and vent pipes : 100 mm dia | 600 | metre | 859.00 | 515400.00 | 17.35 17.35.1 17.35.1.1 |
| 32) | Sand cast iron S&S pipe as per IS: 1729 Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. : | | | | | 17.37 |
| 33) | For 100 mm dia pipe Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : | 336 | each | 152.90 | 51374.00 | 17.37.1 |
| 34) | 100 mm inlet and 100 mm outlet Sand Cast Iron S&S as per IS: 1729 Providing and fixing bend of required degree with access door. insertion rubber washer 3 mm thick, bolts and nuts complete. | 48 | each | 796.70 | 38242.00 | 17.60.1 17.60.1.2 |
| 35) | 100 mm dia Sand cast iron S&S as per IS - 1729 Providing and fixing double equal junction of required degree with access door. insertion rubber washer 3 mm thick, bolts and nuts complete : | 192 | each | 341.55 | 65578.00 | 17.38.1 17.38.1.1 |
| 36) | 100x100x100 mm Sand cast iron S&S as per IS - 1729 Providing and fixing terminal guard : | 144 | each | 687.40 | 98986.00 | 17.41.1 17.56.1 |
| 37) | 100 mm Sand cast iron S&S as per IS - 1729 Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : | 60 | each | 248.65 | 14919.00 | 17.56.1.1 |
| 38) | 100 mm Providing and fixing G.I. pipes complete with G.I. fittings and clamps.i/c cutting and making good the walls etc. | 1032 | each | 243.75 | 251550.00 | 17.58.1 |
| a) | 40 mm dia nominal bore | 480 | metre | 425.65 | 204312.00 | 18.10 |
| b) | 50 mm dia nominal bore | 600 | metre | 527.20 | 316320.00 | 18.10.5 18.10.6 |
| 39) | Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 40 mm nominal bore | 36 | each | 585.50 | 21078.00 | 18.17 18.17.3 |
| | | | Total | | 4702141.00 | |
| | Add Cost Index@ 3.80% | | Total | | 173426.00 | |
| | Add Labour Cess @ 1% | | Total | | 4875567.00 | |
| | Add VAT @ 2% | | Total | | 487556.00 | |
| | | | Total | | 97511.00 | |
| | | | Total | | 5021834.00 | |

| Sl. No. | Description | Qty. | Unit | Rate | Amount | Item No |
|---------|---|------|-------|---------|-----------|---------|
| 1) | Demolishing cement concrete manually by mechanical means including disposal of material within 50 metres lead as per direction of Engineer in charge. | 30 | cum | 892.70 | 26781.00 | 15.2 |
| | 1:3:6 or richer mix | | | | | 15.2.1 |
| 2) | Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in : | | | | | 6.4 |
| | Cement mortar 1:4 (1 cement:4 coarse sand) | 42 | cum | 5667.55 | 238037.00 | 6.4.1 |
| 3) | Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size). | 31.5 | cum | 6778.20 | 213513.00 | 5.3 |
| 4) | Centering and shuttering including strutting, propping etc. and removal of form for: | | | | | 5.9 |
| a) | Suspended floors, roofs, landings, balconies and access platform. | 210 | sqm | 401.65 | 84347.00 | 5.9.3 |
| b) | Lintels, beams, plinth beams, girders, bressumers and cantilevers. | 60 | sqm | 322.15 | 19929.00 | 5.9.5 |
| 5) | Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. | | | | | 5.2.2 A |
| | Thermo-Mechanically Treated bars. | 3150 | kg | 68.10 | 214515.00 | 5.22.6 |
| 6) | Cleaning of RCC to remove dust and loosely adhering particles completely. | 615 | sqm | 20.00 | 12300.00 | M.R. |
| 7) a) | Supply and application of 1:3 cement-sand mortar, mixed with Sika Latex diluted with ater @ 1:4 and mixed with cement @ 4% by weight of cement -the polymer modified high quality emulsion, as a coving at the corners of floor and the vertical surface in the sunken area, and between floor and walls in the remaining area. | 585 | metre | 150.00 | 87750.00 | M.R. |
| 7) b) | First layer of slurry of cement @ 0.488 kg/sqm mixed with Sika Raintite l-acrylic based polymer waterproofing compound @ 0.253 kg/sqm. This layer will be allowed to dry for 4 hrs. The second layer of slurry of cement @ 0.242 kg/sqm mixed with Sika Raintite l-acrylic based polymer waterproofing compound @ 0.147 kg/sqm. This layer also will be allowed to dry for 4 hrs. The coating shall go upto 150 mm height tp the wall from floor level. | 615 | sqm | 160.00 | 98400.00 | M.R. |
| 8) | Sealing the pipe joint with cement mortar admix with Sika Latex. | 165 | Nos | 200 | 33000.00 | M.R. |
| 9) | Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillers, sunken floor,etc., up to floor five level, excluding the cost of centering,shuttering and finishing : | | | | | 4.2 |
| | 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) | 19.5 | cum | 6450.00 | 125775.00 | 4.2.3 |

| Sl. No. | Description | Qty. | Unit. | Rate | Amount | Item No |
|---------|--|------|-------|---------|-----------|---------|
| 10) | Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours White, Ivory, Grey, Fume Red., Brown, laid on 20mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc.. complete. | 615 | sqm | 1009.60 | 620904.00 | 11.40 |
| 11) | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead. | 1305 | sqm | 20.05 | 26165.00 | 15.56 |
| 12) | 6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand) | 825 | sqm | 134.70 | 111128.00 | 13.16 |
| 13) | 12 mm cement plaster of mix : 1:4 (1 cement : 4 fine sand) | 855 | sqm | 163.65 | 139921.00 | 13.11 |
| 14) | 15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement : 4 fine sand) | 240 | sqm | 189.40 | 45456.00 | 13.2 |
| 15) | Applying one coat of cement primer of approved brand and manufacture on wall surface Cement primer | 5145 | sqm | 35.85 | 184448.00 | 13.43 |
| 16) | Distemping with 1st quality acrylic distemper (ready mixed) of approved manufacturer. of required shade and colour complete, as per manufacturer's specification. | | | | | 13.42 |
| 17) | Two or more coats on new work Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete. | 2010 | sqm | 50.65 | 101807.00 | 13.42.1 |
| 18) | Fixed to openings/wooden frames with rawl plugs screws etc. Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. | 1995 | kg | 116.90 | 233216.00 | 9.48 |
| 19) | Finishing walls with Acrylic Smooth exterior paint of required shade : Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface | 3210 | sqm | 9.90 | 31779.00 | 14.46 |
| 20) | Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (\pm 0.2 mm). made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm, including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x 100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in-charge. | 3135 | sqm | 67.30 | 210986.00 | 14.66.1 |
| | | 918 | metre | 611.55 | 561403.00 | 9.141 |

| Sl. No. | Description | Qty. | Unit | Rate | Amount | Item No |
|---------|---|-------|-----------|---------|------------|-------------------------------|
| 21) | 35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded solid PVC profiles, 5 mm (4 0.2 mm) thick, having styles & rails (except lock rail) of size 45 mm x 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitered cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge. | 408 | metre | 2700.20 | 1101682.00 | 9.142.1 |
| 22) | Non decorative finish (mat finish) Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side top /centre hung, with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitered and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design. (sectional weight of only steel members shall be measured for payment). | 2205 | kg | 114.15 | 251701.00 | 10.11.1 |
| 23) | Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) | 540 | metre | 186.25 | 100575.00 | 18.12.1 |
| a) | Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. | 1320 | metre | 209.95 | 277134.00 | 18.12.2 |
| b) | 15 mm dia nominal bore | | | | | 18.54 |
| 24) | 20 mm dia nominal bore | 204 | each | 156.05 | 31834.00 | 18.54.1 |
| 25) | Providing and fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 86 mm long, weighing not less than 88 gms | 510 | each | 156.05 | 79586.00 | 18.55 |
| 26) | Providing and fixing PTMT stop cock of approved quality and colour. 15 mm nominal bore, 86 mm long, weighing not less than 88 gms | | | | | 18.55.1 |
| 27) | Providing and fixing PTMT pillar cock of approved quality and colour. 15 mm nominal bore, 107 mm long, weighing not less than 110 gms | 153 | each | 228.70 | 34991.00 | 18.56 |
| 28) | Providing and fixing PTMT swivelling shower, 15 mm nominal bore, weighing not less than 40 gms Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. | 153 | each | 141.75 | 21688.00 | 18.64 |
| 29) | 15 mm nominal bore with 45 cm length Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. | 357 | each | 74.70 | 26668.00 | 18.74.2 |
| 30) | Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia | 90000 | Per litre | 7.25 | 652500.00 | 18.48 |
| | | 153 | each | 76.75 | 11743.00 | 17.28 17.28.1 17.28.1.1 |

(30)

| Sl. No. | Description | Qty. | Unit | Rate | Amount | Item No |
|---------|--|------|-------|--------|------------|-----------|
| | 100 mm dia Sand cast iron S&S pipe as per IS: 1729 | 900 | metre | 854.00 | 773100.00 | 17.35 |
| 32) | Providing and fixing M.S. holder-butt clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. : | | | | | 17.35.1 |
| | For 100 mm dia pipe | 500 | each | 152.90 | 76603.00 | 17.37.1 |
| 33) | Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : | | | | | 17.60 |
| | 100 mm inlet and 100 mm outlet | 72 | each | 796.70 | 57362.00 | 17.60.1 |
| | Sand Cast Iron S&S as per IS: 1729 | | | | | 17.60.1.2 |
| 34) | Providing and fixing bend of required degree with access door. insertion rubber washer 3 mm thick. bolts and nuts complete. | | | | | 17.38 |
| | 100 mm dia | 288 | each | 341.55 | 98366.00 | 17.38.1 |
| | Sand cast iron S&S as per IS - 1729 | | | | | 17.38.1.1 |
| 35) | Providing and fixing double equal junction of required degree with access door. insertion rubber washer 3 mm thick, bolts and nuts complete : | | | | | 17.41 |
| | 100x100x100x100 mm | 216 | each | 687.40 | 148478.00 | 17.41.1 |
| | Sand cast iron S&S as per IS - 1729 | | | | | 17.56 |
| 36) | Providing and fixing terminal guard : | | | | | 17.56.1 |
| | 100 mm | 1548 | each | 248.65 | 384910.00 | 17.56.1.1 |
| | Sand cast iron S&S as per IS - 1729 | | | | | 17.58 |
| 37) | Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : | | | | | 17.58.1 |
| | 100 mm | 90 | each | 243.75 | 21938.00 | 17.58.1 |
| 38) | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. | | | | | 18.10 |
| a) | 40 mm dia nominal bore | 900 | metre | 425.65 | 383085.00 | 18.10.5 |
| b) | 50 mm dia nominal bore | 720 | metre | 527.20 | 379584.00 | 18.10.6 |
| 39) | Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : | | | | | 18.17 |
| | 40 mm nominal bore | 54 | each | 585.50 | 31617.00 | 18.17.3 |
| | | | Total | | 8366705.00 | |
| | Add Cost Index@ 3.80% | | | | 309607.00 | |
| | Add Labour Cess @ 1% | | | | 8676312.00 | |
| | Add VAT @ 2% | | | | 173526.00 | |
| | | | Total | | 8936601.00 | |

31

C. Khan
Executive Engineer

Assistant Engineer

Name of Work: Renovation of toilet Blocks of Hostel nos.1 to 9 at NIT Durgapur. (Pritilata & Nibedita)

| Sl. No. | Description | Qty. | Unit | Rate | Amount | Item No |
|---------|--|------|-------|---------|-----------|-----------|
| 1) | Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size). | 5 | cum | 6778.20 | 33891.00 | 5.3 |
| 2) | Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. | | | | | 5.22 A |
| | Thermo-Mechanically Treated bars. | 500 | kg | 68.10 | 34050.00 | 5.22.6 |
| 3) | Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : | | | | | 11.26 |
| | 25 mm thick | 100 | sqm | 1141.40 | 114140.00 | 11.26.1 |
| 4) | Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours White, Ivory, Grey, Fume Red., Brown, laid on 20mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete. | 300 | sqm | 1009.60 | 302880.00 | 11.40 |
| 5) | Providing and fixing soil, waste and vent pipes : 100 mm dia | | | | | 17.35 |
| | Sand cast iron S&S pipe as per IS: 1729 | 200 | metre | 859.00 | 171800.00 | 17.35.1.1 |
| 6) | Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size). including cost of cutting holes and making good the walls etc. : | | | | | 17.37 |
| | For 100 mm dia pipe | 112 | each | 152.90 | 17125.00 | 17.37.1 |
| 7) | Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : | | | | | 17.60 |
| | 100 mm inlet and 100 mm outlet | | | | | 17.60.1 |
| | Sand Cast iron S&S as per IS: 1729 | 24 | each | 796.70 | 19121.00 | 17.60.1.2 |
| 8) | Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. | | | | | 17.38 |
| | 100 mm dia | | | | | 17.38.1 |
| | Sand cast iron S&S as per IS - 1729 | 32 | each | 341.55 | 10930.00 | 17.38.1.1 |
| 9) | Providing and fixing double equal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete : | | | | | 17.41 |
| | 100x100x100x100 mm | | | | | 17.41.1 |
| | Sand cast iron S&S as per IS - 1729 | 24 | each | 687.40 | 16498.00 | 17.41.1.1 |
| 10) | Providing and fixing terminal guard : | | | | | 17.56 |
| | 100 mm | | | | | 17.56.1 |
| | Sand cast iron S&S as per IS - 1729 | 200 | each | 248.65 | 49730.00 | 17.56.1.1 |

| S.L. No. | Description | Qty. | Unit | Rate | Amount | Item No |
|----------|---|------|-------|--------|-----------|---------|
| 11) | Providing lead caulked joints to sand cast iron centrifugally cast (spun) iron pipes and fittings of diameter : 100 mm | 12 | each | 245.75 | 2925.00 | 17.58 |
| | | | Total | | 773090.00 | |
| | Add Cost Index @ 3.80% | | | | 29377.00 | |
| | Add Labour Cess @ 1% | | Total | | 802467.00 | |
| | Add VAT @ 2% | | | | 8025.00 | |
| | | | Total | | 16049.00 | |
| | | | | | 826541.00 | |

Assistant Engineer

S. Kumar
Executive Engineer


Name of Work: Renovation of Toilet, kitchen unit in the existing hostel at NIT ,Durgapur


| SL.No | Particulars | Qty | Rate | Amount | Remarks |
|---|---|------------|----------|-------------------|---------|
| Sub-Work - A - (Electrical Installation) | | | | | |
| 1 | Provision of point wiring with copper wire for light point etc. in PVC Steel conduit including connection etc. complete as required.(Approximately - 400 Points) | 400 Points | 2500.00 | 1000000.00 | MR |
| 2 | Provision of MCB DB.Switchgears including connection with copper cable etc. as required. | 10 nos | 8800.00 | 88000.00 | MR |
| 3 | Provision of decorative energy efficient 1x 36 watt box type fitting complete with all accessories including connection etc. as required | 259 nos | 1700.00 | 440300.00 | MR |
| 4 | Provision of Power plug point 5A 15A including connection etc. as required | 18 Points | 3000.00 | 30000.00 | MR |
| 5 | Provision of Power point for gysers installations including connection etc. as required. | 98 Points | 4000.00 | 392000.00 | MR |
| 6 | Provision of sub-main wiring with copper wire from existing point to DBs etc. in PVC Steel conduit including connection etc. complete as required. | 600 mtr | 550.00 | 330000.00 | MR |
| 7 | Provision for suitable capacity Exhaust-Fan etc. - | 141 nos | 3500.00 | 493500.00 | MR |
| Total of Sub-Work-A | | | | 2773800.00 | |
| Sub-Work - B - (Gyser) | | | | | |
| 1 | Provision of 50 ltr gyser at 98 nos toilet unit. | 98 nos | 15500.00 | 1519000.00 | MR |
| Total of Sub-Work-B | | | | 1519000.00 | |

ABSTRACT OF COST

| | | |
|---|--|------------|
| 1 | Total of Sub-Work - A - (Electrical Installation) | 2773800.00 |
| 2 | Total of Sub-Work - B - (Gyser) | 1519000.00 |
| | Total of All Sub-Work | 4292800.00 |

(Rupees Forty two Lakh ninety two thousand and eight hundred only)


Assistant Engineer (E)
 NITPESD - II, C.P.W.D.
 Durgapur - 713209


Executive Engineer (Electrical)
 NIT Durgapur Project Electrical Division
 NIT Campus, CPWD, Durgapur-713209

NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR
Department of Chemical Engineering

NOTESHEET

Date: 08/12/2015

Sub: Allotment of fund in excess of DST approved fund for the purchase of Ion Chromatography System

The tender notices were floated vide BID REFERENCE NO: NITD/Chem. Engg./DST-Algae/2015/01 dated 17/08/2015. NITD/Chem. Engg./DST-Algae/2015/02 dated 16/09/2015 and one week Time Extension Notice dated 08/10/ 2015 in Institute Website for procurement of one **Ion Chromatography System** from sponsored project entitled "*Phycoremediation of Cyanide from Coke-oven Wastewater and CO₂ Sequestration from Waste gas using a Mixed Consortium of Green Algae and Cyanobacteria: An integrated approach*" funded by Department of Science and Technology, Government of India (Ref. No. DST/IS-STAC/CO2-SR-191/14(G), dated November 24, 2014) in Chemical Engineering Department.

On subsequent approval of the competent authority the quotation was opened and onward processing was made for additional fund and placing the purchase order. The matter was placed as an agenda **item no. 36.3 in the meeting of 36th Finance Committee** held on November 16, 2015. It was discussed and advised to advertise the tender notice once more in the National Daily newspaper along with Institute website. Following this advice, same was floated in Institute Website (BID REFERENCE: NITD/Chem. Engg./DST-Algae/2015/04 dated 19/11/2015) and national daily newspapers named The Telegraph (All Edition) and The Bartaman (All Edition) on Nov 19, 2015. The details of **responsive bid** submitted is shown below:

| Sl. NO. | Item | Qty. | Bidders participated |
|---------|---------------------------|------|--|
| 01. | Ion Chromatography System | 01 | Metrohni India Ltd, NewTown, Rajarhaat, Kolkata - 700156 |

With reference to above and subsequent approval of The Director, the Price Bid of Ion-Chromatography System was opened on December 08, 2015.

The quoted price is shown below:

| 1 Sl. No | 2 Name of the Item | 3 Quantity & Unit | 4 Price for each unit | | 5 Unit Price (a)-(b) | 6 Sales tax/ VAT & other taxes payable [admissible only on col. -1(a)] | 7 Total Unit Price (5)+(6) | 8 Total Unit Price (in words) |
|-------------|---|----------------------|---|-----------------------------------|--------------------------------|---|---|--|
| | | | Ex-factor/ ex- warehouse ex- showroom off the shelf (a) | Incidental Services (b) | | | | |
| 1 | Metrohm Ion Chromatography System Make: Metrohm Model No. 930 Compact IC Flex with accessories | 01 Set | 26,00,000.00 | NIL | 26,00,000.00 | Sale Tax will be charged NIL under High Sea Sale | 26,00,000.00 | Rupees Twenty six lakh only (under Hi-Sea Sale) |
| | | | | | | Otherwise CST 14.5% i.e., Rs., 3,77,000.00 | INR 29,77,000/- | Rupees Twenty nine lakh seventy seven thousand only (with Tax) |

However, fund allotted by Department of Science and Technology, Government of India for Ion Chromatography system is Rupees Twenty five lakh only (Ref. No. DST/IS-STAC/CO2-SR-191/14(G), dated November 24, 2014). It is to be noted that the Ion Chromatography System is highly specialized instrument. There is no Ion Chromatography System in any of the department of our Institute as well as in other educational institute in Durgapur. This instrument is very useful for analyzing wastewater, ground water, milk, etc. Almost all the anions and some cations can be analyzed using this instrument. The data analyzed by Ion Chromatograph are only accepted in highly reputed journals for publication. Therefore, such instrument is needed very much for research work not only for Chemical Engineering Department, but also for the research scholars and faculty members of other departments like Department of Earth and Environmental Studies, Department of Biotechnology, Department of Chemistry, etc, in our Institute. In view of such vital requirement of the said instrument, Purchase Committee hereby recommends to seek the permission from competent authority of getting extra amount as necessary from Institute for purchasing the Ion Chromatography System. The facility will be extended to

the faculty members and research scholars of other department of our Institute. The fund requirement is as follows:

| Item | Qty | Total Unit Price (INR) | Way Bill (@1% Entry Tax) (INR) | Total Amount required (INR) | Fund allocated by DST (INR) | Fund required from Institute (INR) |
|--|-----|-------------------------------------|--------------------------------|-----------------------------|-----------------------------|------------------------------------|
| Metrohm Ion Chromatography System Make: Metrohm Model No. 930 Compact IC Flex with accessories | 01 | 26,00,000.00 (under Hi-Sea Sale) | 26,000.00 | 26,26,000.00 | 25,00,000.00 | 1,26,000.00 |
| | | 29,77,000/- (with 14.5% Tax) | 29,770.00 | 30,06,770.00 | 25,00,000.00 | 5,06,770.00 |

Therefore, under Hi- Sea Sale, fund requirement is INR 1,26,000/- (Option#1) and with Tax, fund

requirement is INR 5,06,770/- (Option#2). *As we have necessary documents in hand for option I and therefore the option may kindly approved.*

Director may kindly approve the mode of procurement and its necessary additional fund from the Institute.

Susmita Dutta
08/12/15
(SUSMITA DUTTA)
Associate Professor
Department of Chemical Engineering
& Principal Investigator

Kartik Chandra Ghanta
8/12/15
(KARTIK CHANDRA GHANTA)
Professor
Department of Chemical Engg.
& Co-Investigator

Asad Husain
08/12/15
Head, Chemical Engineering Department

P. S. Srinivasan
08/12/15
Dean (Research and Consultancy)

Director As per decisions taken in the FC item no: 36.03, chairman BOG & FC may kindly be requested to approve it as this purchase process has to be completed within Dec 2015.

Chairman FC Approved
A. S. Srinivasan
9/12/15 (37)

NATIONAL INSTITUTE OF TECHNOLOGY
DURGAPUR-713209, WEST BENGAL, INDIA
AGENDA NOTES

FOR

37th Meeting of Finance Committee to be held on 23rd December, 2015 at 10:30 A.M. at the Seminar Room 2, United Service Institution of India, Rao Tula Ram Marg (Opposite Signals Enclave), Vasant Vihar, NewDelhi – 110 057.

Item# 37.06: Any other item with the permission of the chair.

- a) To consider and approve the proposal for purchase of Laboratory Equipment for newly floated M.Tech course in Mechanical Engineering Department.**

Two M.Tech Programs have been started by the Department of Mechanical Engineering since the month of July 2015. For smooth running of these courses some essential laboratory equipments are required.

An appropriate expenditure of Rs. 2.53/- crores is likely to be incurred.
Details are at annexure.

(Annexure – V)

Placed for consideration and approval please.



**Brig. A. S. Nijjar
Registrar & Member
Secretary
National Institute of Technology,
Durgapur**



राष्ट्रीय प्रौद्योगिकी संस्थान दुर्गापुर
NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

महात्मा गान्धी एभिनिड, दुर्गापुर 713209, भारत
MAHATMA GANDHI AVENUE, DURGAPUR - 713209, INDIA

ANNEXURE - V

यांत्रिक अभियांत्रिकी विभाग

MECHANICAL ENGINEERING DEPARTMENT

To
The Registrar
NIT Durgapur

Subject: Request for considering the proposal of Purchase of laboratory equipment for newly floated M.Tech. Courses in Mechanical Engineering in the agenda of 40th senate meeting

Reference: (i) Resolution of IFC meeting dated 24/08/2015

(ii) Your Interdepartmental memo no. NITD/Regis/40th BOG/2015, Dt: 9.10.2015

Sir,

Details of the proposal are itemised as below:

- Two M.Tech. Programs have been floated from July 2015. For smooth running of the courses some essential laboratory equipment are urgently required.
- Regarding this a proposal was placed before the IFC dated 24/08/2015 but no fund was allocated (Report Attached)
- Further, as per your Interdepartmental memo no.: NITD/Regis/40th BOG/2015, Dated: 9.10.2015 the proposals were again submitted for consideration. But till date no update has been received in this regard.

Please find the summary of the proposal in the following table.

| Sl No | M.Tech Course | Course status | Laboratory | Laboratory Status | Fund required | Application Status |
|-------|-----------------------------------|------------------------------|--------------------|-------------------|------------------------------|---|
| 1 | Fluid Mechanics and Heat Transfer | Newly Offered from July 2015 | Fluid Mechanics | Existing | Rs. 1,71,00,000/- (Combined) | Applied on 23/07/2015 to the Competent Authority on urgent basis with all details which are appended at present. Further applied on 12/10/2015. |
| | | | CFD and Simulation | Proposed | | |
| 2 | Thermal Engineering | Newly Offered from July 2015 | Heat Power | Existing | Rs. 45,11,500/- | Applied on 12/10/2015 to the Competent Authority |
| 3 | Machine Design | Existing | CAD-CAM | Existing | Rs. 37,00,000/- | Applied on 12/10/2015 to the Competent Authority |

This is being placed for approval of the senate.

Regards,

Banerjee
12/10/2015

(NILOTPAL BANERJEE)

Professor and Head,

Mechanical Engineering Department

Enclosure: 1) Previous application
2) IFC's report
3) Three files. ☺

(2)



राष्ट्रीय प्रौद्योगिकी संस्थान दुर्गापुर
NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR

महात्मा गान्धी एभिनित, दुर्गापुर - 713209, भारत
MAHATMA GANDHI AVENUE, DURGAPUR - 713209, INDIA

यांत्रिक अभियांत्रिकी विभाग

MECHANICAL ENGINEERING DEPARTMENT

From,
Dr. Nilotpal Banerjee
Professor and Head
Department of Mechanical Engineering
NIT, Durgapur

Date: 12th October, 2015

To
The Registrar
NIT Durgapur

Ref: Your Interdepartmental memo no.: NITD/Regis/40th BOG/2015, Dated: 9.10.2015

Sir,

You are requested to place the following proposals (Proposal-I, II, II) for purchasing Equipment/Computers/Software/Equipment-model and up-gradation of working equipment for laboratories before the 40th BOG meeting/36th Finance committee meeting for approval. The equipment are essential for smooth running of UG and PG courses, and also for research activities. The total amount proposed is Rs. 25311500/- (Two Crore Fifty Three Lakh Eleven Thousand Five Hundred only).

This is being placed for approval.

Regards,

Banerjee 12/10/2015

.....
(NILOTPAL BANERJEE)

Professor and Head,

Mechanical Engineering Department

Dr. Nilotpal Banerjee
Professor & Head
Department of Mechanical Engineering
National Institute of Technology Durgapur
Durgapur - 713209, India

O/c Recd
12/10/2015

Proposal-I

| Name of the Lab | Proposed Equipment list/ Computers/ Software | Quantity | Tentative price |
|--|---|----------|-----------------------|
| Heat Power laboratory (Existing Laboratory) | Computerised Condensation in Drop wise & Film Wise Forms | 1 | Rs. 45,11,500/- |
| | Computerised Emissivity Measurement Apparatus | 1 | |
| | Computerised Heat Transfer in Forced Convection Apparatus | 1 | |
| | Computerised Heat Transfer in Lagged Pipe Apparatus | 1 | |
| | Computerised Heat Transfer in Natural Convection | 1 | |
| | Computerised Heat Transfer in Pin-Fin Apparatus | 1 | |
| | Computerised Heat Transfer through Composite Walls | 1 | |
| | Computerised Parallel Flow Counter Flow Heat Exchanger | 1 | |
| | Computerised Shell and Tube Heat Exchanger | 1 | |
| | Computerised Stefan-Boltzmann Apparatus | 1 | |
| | Computerised Thermal Conductivity of Insulating Powder | 1 | |
| | Computerised Thermal Conductivity of Liquid | 1 | |
| | Computerised Thermal Conductivity of Metal Bar | 1 | |
| | Computerised Thermal Conductivity of Solids by Guarded Hot Plate Method | 1 | |
| | Computerised Heat Conduction in Solids and Liquids | 1 | |
| | Upgradation cost of Engine Combustion Analysis Kit for Existing VCR Engine | 1 | |
| | Upgradation cost of Data Acquisition System for Existing IC Engine Test Rig | 1 | |
| SUBTOTAL | | | Rs.45,11,500/- |

Dr. Nilotpal Banerjee
12/10/2015

Dr. Nilotpal Banerjee
Professor & Head
Department of Mechanical Engineering
National Institute of Technology Durgapur
Durgapur - 713209, India

Proposal-II

| | | | |
|---|--|-----------|-----------------------------|
| CAD-CAM Laboratory (Existing Laboratory) | Intel Core i7-4770 3.4Ghz 8MB Cache (4th Generation Processor) Memory or better Intel Q85 Chipset or Higher 8GB 1600 Mhz RAM (4 DIMM Slots, Upgradable up to 32 GB) 1 TB SATA Hard Disc 7200 RPM DVD Writer 23" LED Colour Monitor (OEM- Make) 2 GB Graphics Card Gigabit Lan inbuilt License Antivirus with 3 years subscription OS-Windows8 3 years onsite comprehensive warranty | 30 | 90,000x30= Rs. 2700000/- |
| | ANSYS Software | Two users | Rs. 1000,000/- |
| SUBTOTAL | | | Rs. 3700000/- |

Banerjee
12/10/2015

Dr. Nilotpal Banerjee
Professor & Head
Department of Mechanical Engineering
National Institute of Technology Durgapur
Durgapur - 713209, India

Proposal III

| | | | |
|--------------------------------------|--|--------------------------|-----------------|
| CFD and Simulation Laboratory | Server and Workstation: Dual (2) Intel Xeon X5690 Six-Core 3.46GHz 12MB CPUs 288GB (18 x 16GB) DDR3 PC3-10600 1333MHz Registered Memory 64TB (8 x 8TB) 7.2K 6Gb/s NL SAS 3.5" HDDs (Dell H700 Required) PERC H700 6Gb/s with 1GB and Battery iDRAC6 Enterprise with 8GB vFlash SD Card Internal SD Module with 16GB SD Card and Hypervisor Installed Redundant Power Supplies DVD-RW Drive Front Bezel Onboard Quad Intel GbE NIC's Intel Dual Port PCI-e 10Gb SFP NIC Dell H810 6Gb/s Dual Channel RAID Controller Card w/ 1GB | 1 | Rs. 14,00,000/- |
| | Online UPS and Battery: APC Smart-UPS On-Line, 6000 Watts / 6000 VA, Input 230V/Output 230V, Interface Port Contact Closure, RJ-45 10/100 Base-T, RJ-45 Serial, Smart-Slot, USB, Extended runtime model, Rack Height 4 U | 1 | Rs. 5,00,000/- |
| | PC: Core i7, 32 GB RAM, Graphics card standard, HD 1TB, Windows, Mouse and speaker, key Board | 10 | Rs. 7,00,000/- |
| | COMSOL MULTYPHYSICS SOFTWARE: | | |
| | Multiphysics, CFD, Heat transfer, Live Link for MATLAB for use with COMSOL Multiphysics, Microfluidics Module for class kit license (CKL) 30 users | 10 users | Rs. 12,00,000/- |
| | COMSOL Multiphysics, Floating Network Licence (FNL) for one (1) | 1 user | |
| | CFD Module for use with COMSOL Multiphysics, Floating Network Licence (FNL) for one (1) | 1 user | |
| | Heat Transfer Module for use with COMSOL Multiphysics, Floating Network Licence (FNL) for one (1) | 1 user | |
| | LiveLink for MATLAB for use with COMSOL Multiphysics, Floating Network Licence (FNL) for one (1) | 1 user | |
| | Microfluidics Module for use with COMSOL Multiphysics, Floating Network Licence (FNL) for one (1) | 1 user | |
| | ANSYS: Fluent, Heat Transfer and CFD and Solid Module | 5 users | |
| | MATLAB SOFTWARE | 5 users | Rs. 8,00,000/- |
| | PIV systems for Flow Field Measurement | 1 | Rs. 90,00,000/- |
| | Wind tunnel Test Facility (For Low Speed Aerodynamics) | 1 | Rs. 30,00,000/- |
| SUBTOTAL | | Rs. 1,71,00,000/- | |

Total: Rs. 25311500/- (Two Crore Fifty Three Lakh Eleven Thousand Five Hundred only)

Signature
12/07/2015

Dr. Nilotpal Banerjee
 Professor & Head
 Department of Mechanical Engineering
 National Institute of Technology Durgapur
 Durgapur - 713209, India

6

NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR
M.G. AVENUE, DURGAPUR - 713 209

Ref. No. NITDIRegis/40th BOG/2015

Date: 09th October, 2015

INTER DEPARTMENTAL MEMO

From:
Registrar

To:
All Deans & HoDs.

1. The 40th Board of Governors meeting and the 36th Finance Committee meeting of NIT Durgapur is scheduled to be held on 16th November, 2015.
2. You are requested to submit agenda points, if any, pertaining to your department, latest by 13th October, 2015 positively, to be placed before the Board of Governors of NIT Durgapur for consideration.

Registrar

NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR
MAHATMA GANDHI AVENUE, DURGAPUR – 713209

No. NITD/REGIS/ OR/366/2015

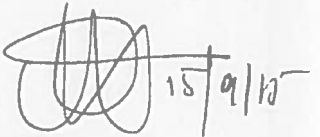
Date: September 14, 2015

OFFICE ORDER

The resolution of the Internal Finance Committee (IFC) Meeting dated 24/08/2015 regarding Proposal for the procurement of workstation, Online UPS, and twenty numbers of Desktop etc. and for setting up the CFDNS Laboratory at present no fund is available.

| Sl. | Name / Department | Purpose | Amount (Rs.) |
|-----|--|---|--------------|
| 01. | Dr. Nilotpal Banerjee, HOD, ME Department | Proposal for the procurement of workstation, Online UPS, and twenty numbers of Desktop and for setting up the CFDNS Laboratory at present no fund is available. | N.A |
| 02 | Dr. Nilotpal Banerjee, HOD, ME Department | Proposal for procurement of analysis and matlab software for setting up the CFDNS Laboratories at present no fund is available. | N.A |
| 03 | Dr. Nilotpal Banerjee, HOD, ME Department | Proposal for procurement of COSMOL and other software for initiating the CFDNS Laboratory at present no fund is available. | N.A |

This issues with the approval of the competent authority.


Registrar

Copy to:

1. Director.
2. Registrar.
3. Dr. Nilotpal Banerjee, HOD, ME
4. Registrar's Secretariat,
5. File copy.

⑧