

Indian School of Mines

Dhanbad



Information Brochure

For

M. Tech./ M. Phil. Admission 2012

1.1 INTRODUCTION

Indian School of Mines (ISM), established in 1926, is a Deemed University (since 1967), fully funded by the Ministry of Human Resource Development (MHRD), Government of India. ISM is located in Dhanbad, the heart of major Indian coalfields, in the state of Jharkhand. It offers B.Tech., Dual-degree, Integrated M.Sc./M.Sc. Tech, M.Sc./M.Sc. Tech, M.Tech., M.Phil., MBA and Ph.D. in various areas of **Engineering:** Computer Science, Electrical, Electronics, Environmental, Fuel, Industrial, Mechanical, Mineral, Mining, Mining Machinery, Petroleum; **Humanities; Management and Science:** Physics, Chemistry, Mathematics, Statistics, Applied Geology, Applied Geophysics, Computer Science, Environmental Science. It has been focusing its academic and research activities on various aspects of industry. The ISM has maintained its all India character drawing faculty and students from all over India. It occupies a unique position, not only in India but also in Asia Pacific, and has contributed to the development of mineral sector substantially.

ISM offers state-of-the-art facilities for advance studies and research. These facilities include:

- A Modern Lecture Hall Complex
- Library with over 1,20,000 books & Journals
- A computer centre equipped with state-of-the-art internet facility. In addition, each Department has its own computer laboratories with internet facility
- Executive Development Centre with modern teaching aid facility
- Separate hostels for boys and girls with computer facility within the campus
- Health Centre, Canteen, Captive Generator, Sports, Recreational facilities etc.

1.2 M.Tech/ M.Phil Programmes:

The aim of Master of Technology/Master of Philosophy programmes is to train the students in high level of theoretical knowledge enabling them to tackle practical complex problems in industrial fields as well as to pursue further academic achievements through research. Enough flexibility is provided in the structure of the programme in respect of lecture courses, laboratory and project work to help the students to achieve the goal. All the departments are equipped with sufficient facilities for this purpose.

1.2.1 COURSE CURRICULUM

The M.Tech and M.Phil programmes follow semester based system for evaluation of students' performance. M.Tech programmes are of four semester duration and M.Phil programmes are of two semester duration. In M.Tech programmes, 1st two semesters are devoted to class room teaching and during 3rd and 4th semester a student has to complete a project work and in case of M.Phil programmes, 1st semester is devoted to class room teaching and the student has to complete a project work during the second semester.

1.2.2 ATTENDANCE REQUIREMENT

To appear in the semester examination of M.Tech. and M.Phil. programme, each student is required to have at least 75% attendance in each subject.

1.3 DISCIPLINE

Students are required to observe prescribed Rules & Regulations and orders issued by the ISM authorities from time to time.

1.4 PROGRAMME FEE

The fee structure for M.Tech./M.Phil. programmes, payable at the time of **registration/admission** are presented in the following table. The fee should be paid by demand draft drawn in favour of **Registrar, Indian School of Mines, and payable at Dhanbad.**

M.Tech. Programme:		
Semester	General Category/OBC/PC/Others	SC/ST
I	₹ 22492/- (₹ 5000/- refundable)	₹ 16192/-(₹ 5000/- refundable)
II	₹ 9000/-	₹ 2700/-
III	₹ 11492/-	₹ 5192/-
IV	₹ 9000/-	₹ 2700/-
M.Phil. Programme:		
I	₹ 22492/- (₹ 5000/- refundable)	₹ 16192/-(₹ 5000/- refundable)
II	₹ 9000/-	₹ 2700/-

In addition to above the students are required to pay additional amount towards accidental insurance and institute blazer, as per actual, at the time of admission. The fees structure is subject to change from time to time. However, the exact fee structure will be notified at the time of admission.

1.5 SCHOLARSHIP

For M.Tech programme: The scholarship For M.Tech. Programme will be offered to only those students who have been admitted as GATE QUALIFIED candidates and not to those who become GATE qualified after admission (for M.Tech. programme). However, a GATE qualified student does not automatically eligible to receive scholarship. The scholarship will be offered to the students on the basis of merit in the respective category.

GATE NOT QUALIFIED candidates are generally not offered any scholarship. However, 11 (eleven) students each from the following M.Tech courses only will be offered scholarship under TEQIP-II:

- (i) M. Tech in Computer Science and Engineering (Sl. No. 12 in Table 2.1)
- (ii) M. Tech in Electronics & Communication Engineering (Sl. No. 13 in Table 2.1)
- (iii) M. Tech in Mechanical Engineering with specialization in Manufacturing Engineering (Sl. No. 16 in Table 2.1)
- (iv) M. Tech in Power System Engineering (Sl. No. 17 in Table 2.1)

For M. Phil Programme: Scholarship of RS. 3000/- per month will be offered to all M. Phil candidates chosen for admission.

SPONSORED (Full Time) candidates are not eligible for scholarship.

1.6 ADMISSION PROCEDURE

1.6.1 APPLICATION FOR ADMISSION

The application form for M.Tech / M. Phil has to be submitted online, which is available on the website www.ismdhanbad.ac.in/admissions. For online submission of form the candidates should first deposit the application fee of 500/- either by bank transfer (this mode is preferred) or get a demand draft for 500/- (Please refer **Mode of Payment** for details of payment). One copy of the completed application form along with the bank deposit document or demand draft should reach Deputy Registrar (Academic & SW), Indian School of Mines, Dhanbad 826004 **latest by 6th April, 2012**. On the top of the envelope please mention “**Application form for M. Tech./ M. Phil. Admission 2012.**”

Mode of Payment

1. Application Fee (non-refundable) is ₹ 500
2. There are two modes of fee payment. You may choose any of the following options:

i. Bank Transfer

A. For SBI Account Holder:-

- a. Fees may be remitted through Internet Banking System to ISM A/c (SBI Online Fee A/c No - **31785678197**).
- b. Fees may be transferred directly in the ISM A/c (SBI Online Fee A/c No - **31785678197**) from SBI Branch. Bank service charge is extra (maximum of ₹30/-)

B. For other Bank A/c holders:-

- a. Fees may be remitted directly in the ISM A/c (SBI Online Fee A/c No - **31785678197**) NEFT/ RTGS (IFSC Code – SBIN0001641). Bank service charge is extra (maximum of ₹5/-)

After transferring the fees a reference no. will be generated, this reference no. will be put on the particular column of the online application form and the Amount deposit document is to be attached with the application form be sent to ISM, Dhanbad.

ii. Demand Draft

In this case, a Demand Draft of ₹ 500/- **in favour of Registrar ISM Dhanbad payable at Dhanbad** should be obtained **prior to filling of the Application Form**. Enter the Demand Draft details while filling the online Application Form and attach the demand draft with the application form to be sent to ISM, Dhanbad. The Draft should have the validity of 6 months.

1.6.2 ELIGIBILITY

For M. Tech. Programme: Minimum 1st class/ 1st division / 3.5 in 5 pint scale / 7.0 in 10 point scale (without rounding off) is required throughout (Secondary / Higher Secondary/ Graduation/ Post Graduation) for candidates of all categories to become eligible for admission in M.Tech Programmes. The qualifying degrees for each of the M.Tech courses are mentioned in Table 2.1 “Details of Programmes” of Information Brochure. Candidates should obtain their qualifying degree from the Institute recognized by UGC/AICTE. Mathematics in higher secondary (10 + 2 level) is essential for admission in M. Tech Programme.

For M. Phil Programme: Candidates of all categories should possess minimum of 55% (without rounding off) marks or equivalent grade in aggregate of the qualifying degree as mentioned in Table 2.1 “Details of Programmes” of Information Brochure from the Institute recognized by UGC/AICTE. However, for admission to M.Phil in English, candidates under SC/ST Categories are eligible with 50% marks (without rounding off) or equivalent grade in M.A. English.

Requirement of minimum percentage of marks for both M.Tech and M.Phil programmes may be waived off for the teachers who have joined the teaching profession on or before February 28, 1993.

The eligibility criteria for different programmes are presented in Table 2.1 of this brochure. Candidates who have appeared in the qualifying examination may also apply for admission. However, they have to submit their final result of the qualifying examination latest by 31st October, 2012 failing which their admission will be cancelled. It is desirable that the candidate fulfils the entire academic requirement at the time of admission, except the declaration of result. In all cases students are required to fulfil the attendance requirements as per rules.

1.6.3 SUBMISSION OF APPLICATION FORM

The duly filled in prescribed Application Form for M. Tech./ M. Phil. Programmes should be accompanied with the following documents:

- a) A recent passport size photograph pasted on each application form and verification card. Note that verification card is required only for GATE NOT QUALIFIED/ NET NOT QUALIFIED and SPONSORED (Full Time) candidates.
- b) GATE NOT QUALIFIED/NET NOT QUALIFIED and SPONSORED (Full Time) candidates are required to fill in the admit card and verification card.
- c) Bank deposit document or demand draft for the prescribed application fee.
- d) The GATE NOT QUALIFIED and SPONSORED (Full Time) candidates applying for M. Tech. program should clearly mention in online application form, admit card and verification card the discipline (Refer Table 2.1 of the information brochure), for which they want to write the written exam. Please note that this discipline will be considered as first option for GATE NOT QUALIFIED and only option for SPONSORED (Full Time) candidates for their admission at the time of counselling.
- e) SPONSORED (Full Time) M.Tech./ M.Phil. candidates will have to write the All India Written Test in the subject for which they are being sponsored.
- f) Choice of discipline as mentioned in the application form is final. No request for change in the preference will be entertained.
- g) SPONSORED (Full Time) M.Tech./M.Phil. candidates are requested to get the consent of present employer on the hard copy of the application form before sending it to ISM. Unsigned sponsored candidates would be treated as GATE NOT QUALIFIED/NET NOT QUALIFIED candidates.

APPLICATION FEE ONCE PAID WILL NOT BE REFUNDED UNDER ANY CIRCUMSTANCES.

Note: Two sets of self attested copies (both sides wherever applicable) of all the certificates and mark sheets (including valid GATE/NET score) starting Matriculation/School final examination

are to be submitted at the time of admission. The original certificates for each of the documents are to be produced at the time of counselling and admission. **The original GATE/ NET Card and Migration Certificate have to be submitted at the time of admission.**

Programme Fee for the first semester has to be paid at the time of admission. Caution money and security deposits are refundable only after completion of the programme. Fees for subsequent semesters are to be paid before the commencement of the respective semesters.

The duly filled-in online application form must reach Dy. Registrar (Academic & SW), Indian School of Mines, Dhanbad-826004 latest by 6th April 2012. The application forms received after the last date will not be considered and no query/communication will be entertained.

Candidates are instructed to visit ISM Website www.ismdhanbad.ac.in/admissions for important announcements/results.

1.6.4 SELECTION PROCEDURE

- a. The admission to M.Tech. for GATE qualified candidates should be held through counselling.
- b. The admission to M. Tech. for GATE NOT QUALIFIED/SPONSORED (Full Time) candidates will be on the basis of **All India Entrance Examination conducted by ISM on 13th May 2012 (Sunday)** followed by counselling.
- c. The admission to M.Phil. for NET QUALIFIED candidates should be held through counselling and/or interview to be held at ISM. Interview will be conducted if number of NET QUALIFIED candidates is more than the number of seats available in each discipline.
- d. The admission to M. Phil. Programmes for NET NOT QUALIFIED/SPONSORED (Full Time) candidates will be on the basis of **All India Entrance Examination conducted by ISM on 13th May 2012 (Sunday).**
- e. **The All India written test for GATE NOT QUALIFIED /NET NOT QUALIFIED and SPONSORED candidates will be held on 13th May 2012 at Bhubaneswar, Chennai, Dhanbad, Guwahati, Hyderabad, Kochi, Kolkata, Lucknow, New Delhi, Pune, and Varanasi from 9.00 a.m. to 12.00 noon. The medium of examination is English.**
- f. The pattern of question paper would be as follows:
For M. Tech:
Part A (40 marks) Objective Type: There would be 40 questions of one mark each. The questions will be basically on elementary science, elementary engineering and computer science.
Part B (60 marks) Objective Type: There would be 60 questions each of one mark for each discipline and all questions would be compulsory.
For M. Phil. (Applied Physics/Applied Chemistry/Applied Mathematics/English)
Question paper would contain 50 objective type questions. There will be 20 questions of 1 mark each, 10 questions of 2 marks each and 20 questions of 3 marks each.

RESERVATION FOR M.Tech./M.Phil. Programmes

- a) Reservation for SC/ST/OBC Non Creamy Layer (OB)/PC candidates will be as per Government of India directive/guidelines circulated from time to time, in each programme and will strictly apply.
- b) One seat is reserved in each discipline for Physically Challenged (PC) candidate subject to maximum of 3% within the respective category.
- c) One seat each of M.Tech and M.Phil is kept reserved for Jammu and Kashmir (JK) migrants as supernumerary seat.
- d) Some seats (Please see table 2.1) are reserved for sponsored candidates (SP) with minimum 2 year experience at the time of application in the relevant field of reputed organizations.
- e) One seat of M.Tech. and M.Phil. programme is reserved for Parsi (PS) candidate and one seat for ward/widow or dependents of Defence personnel (DP) (all category) including ex-servicemen as per Govt of India rules, provided they fulfil eligibility criteria and qualify in the corresponding test.

1.7 SPONSORSHIP

With a view to encourage persons working in Industries, the Institute admits a limited number of sponsored candidates to the M.Tech./M.Phil. Programme. It is expected that such candidates after successfully completing the programme, are better equipped to work in organizations sponsoring them. The admission procedure for sponsored candidates will be as follows:

- a) They must be from recognized Industrial Organization/Academic Institutions.
- b) Performance in Written Test and Interview. The written test and interview will be conducted to examine their knowledge in the discipline of their qualifying degree, which forms the prerequisite for admission to the corresponding specialization of the M.Tech./ M.Phil. Programme.
- c) Candidates must have at least two years full time work experience at the time of application in a government organization or companies of repute in the relevant field.
- d) There is no age restriction for sponsored candidates but preference will be given to those candidates below 45 years of age.
- e) The employer must indicate that the candidate will not be withdrawn from the programme before its completion.
- f) Sponsorship in this context means retention of lien on the post and grant of suitable allowance/pay etc. by the parent organization.
- g) Working candidates on UGC/CSIR/Atomic Energy fellowship etc. shall not be considered as a sponsored candidate.
- h) Candidate shall not be allowed to join his organization before the completion of the programme.

1.8 MEDICAL FITNESS

A candidate selected for a programme will be offered admission, only if he/she is found fit as per the norms & standards of medical fitness norm of ISM. An overview of the standards of medical fitness norm set by ISM is presented below.

A candidate should have good general physique with:

- **Chest measurement:** Not less than 70 cms. with satisfactory limit of expansion and contraction.

- **Vision:** Should be normal. In case of defective vision, it should be corrected to 6/9 in both eyes or 6/6 in the better eye.
- **Hearing:** Should be normal. Defective hearing should be corrected.
- **Heart & Lungs:** Should not have any abnormality and no history of mental diseases or epileptic fits.
- The candidate shall submit the medical certificate in the prescribed proforma at the time of admission. However, all candidates will be examined by a medical board of ISM before admission, whose decision for medical fitness will be final.

1.9 IMPORTANT POINTS TO BE NOTED (for M. Tech./ M. Phil. Programmes)

- (a) If adequate number of students is not available in a particular programme, ISM may not run that programme. In such a situation demand draft received towards payment of admission fee shall be returned to the candidate.
- (b) Request for withdrawal of application will be entertained during office hours only. Such requests will not be entertained through email.
- (c) GATE Qualified /NET Qualified candidate will be preferred over GATE NOT QUALIFIED /NET NOT QUALIFIED candidates.
- (d) In case of non-availability of GATE QUALIFIED /NET QUALIFIED candidates the seats may be filled up through GATE NOT QUALIFIED /NET NOT QUALIFIED candidates, who have qualified through the **All India Entrance Examination**.
- (e) Scholarship will not be paid to candidates having GATE/NET score less than the stipulated limit.
- (f) Candidates with equivalent qualifications recognized by Govt. of India such as AMIE, IETE etc. can also apply.
- (g) Fee once paid will not be refunded.
- (h) If any M.Tech./M.Phil. programme does not run due to shortage of requisite number of candidates, a candidate who has taken admission in that programme may be allowed to change his/her admission to other M.Tech./M.Phil. programme (even if the candidate has not applied for that programme), where vacant seat is available in the respective categories and the qualification of the candidate matches with the eligibility condition of that programme.
- (i) Students in the M.Tech/M.Phil programmes are required to maintain 75% attendance in the semester classes to make them eligible for the end semester examination.
- (j) **FORM OF CERTIFICATE (Annexure I) TO BE PRODUCED and submitted (in original) at the time of admission BY OTHER BACKWARD CLASSES (NON-CREAMY LAYER) APPLYING FOR ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER THE GOVERNMENT OF INDIA AND should be ISSUED ON OR AFTER JANUARY 1, 2012. Candidates with certificates earlier to this date would be treated as General Category candidates.**
- (k) ISM has authority to decide qualifying score for each paper.
- (l) In the Examination candidates have to mark correct answer out of four options given in an Optical Response Sheet (ORS) by darkening the appropriate bubble.
- (m) The machine-gradable Optical Response Sheets (ORS) are graded and scrutinized with extreme care. There is no provision for re-grading and re-totalling. No photocopies of the

machine-gradable Optical Response Sheets (ORS) will be made available. No correspondence in this regard will be entertained.

1.10 DISCLAIMER

This website has been launched to provide candidates and public-at-large, information about ISM M.Tech./M.Phil. Admission. If you do not agree to the terms and conditions below, do not access this site or any pages thereof.

Terms and Conditions

No Warranty

Information displayed on the site, including text, graphics, links or other items - are provided on an "As Is" and "As Available" basis. Although, ISM M.Tech./M.Phil. Admission 2012 Committee which organizes and conducts examination tries to provide information accurately it expressly disclaims liability for errors or omissions thereon. No warranty of any kind, implied, express or statutory, including but not limited to the warranty of fitness for a particular purpose and freedom from computer virus, is given in conjunction with the information.

Limitation of Liability

In no event, ISM will be liable for any damages, including without limitation, direct or indirect, special, incidental, or consequential damages, losses, or expenses arising in connection with this site or use thereof or inability to use by any persons, or in connection with any failure of performance, error, omission, interruption, defect, delay of operation or transmission, computer virus or line or system failure, even if ISM or any representative thereof is advised of the possibility of such damages, losses or expenses.

Network Services

The ISM M.Tech./M.Phil. Admission committee cannot be held responsible for reduced access speeds due to bandwidth overloads especially close to the submission date.

JURISDICTION

In case any claim or dispute arises in respect of M.Tech/M.Phil. admission, it is hereby made absolutely clear that the Courts at Dhanbad and Dhanbad alone shall have the exclusive jurisdiction to entertain and settle any such dispute or claim.

The completed application with bank deposit receipt/demand draft should reach on or before 6th April 2012 at the following address:

**DY. REGISTRAR (Acad. & SW)
INDIAN SCHOOL OF MINES
DHANBAD-826004**

Table: 2.1 DETAILS OF M.TECH./M.PHIL. PROGRAMMES

Sl. No	Name of Programme	Prog Code	Eligibility Criteria	No. of Seats				
				GN	SC	ST	OB	SP
(A)	M. Tech. Programmes 2012-13:							
1	Fuel Engineering	FE	B.Tech/B.E. or equivalent degree in Mineral/ Mining/ Metallurgy/ Chemical/ Mechanical/ Ceramic Engg.	5	2	1	3	5
2	Mineral Engineering	ML	B.Tech/B.E. or equivalent degree in Mineral/ Mining/ Metallurgy/ Chemical/ Mechanical Engg.	10	3	2	5	5
3	Mining Engineering with specialization in (a) Mine Planning & Design (b) Rock Excavation Engineering (c) Opencast Mining (d) Mine Mechanization	ME	B.Tech/B.E. or equivalent degree in Mining/ Opencast Mining/ Mining Machinery Engg.. OR B.Tech/B.E. or equivalent degree in Civil / mechanical/Electrical Engineering with three years working experience in mines. OR M.Sc.Tech (Geology) with 60% marks in Mathematics at graduate level and three years working experience in mines. Note: Candidates with Engineering background will get preference over those with science background.	5	2	1	3	3
4	Underground Space Technology	US	B.Tech/B.E. or equivalent degree in Mining/ Opencast Mining/Mining Machinery/ Civil/ Mechanical Engg.. OR M.Sc.Tech (Applied Geology) with 60% marks in Mathematics at graduate level. Note: Candidates with Engineering background will get preference over those with science background. Candidates with colour blindness/unilocularity are not permissible.	5	2	1	3	3
5	Geomatics	GM	B.Tech/B.E. or equivalent degree in Mining/ IT/Computer Science/ Environmental/ Civil/ Mechanical Engg.. OR M.Sc.Tech (Applied Geology / Applied Geophysics) with 60% marks in Mathematics at graduate level. OR M.Sc. (Applied Geology /Mathematics/Physics) with 60% marks in Mathematics at graduate level. OR MSc. In Geo-spatial science. Note: Candidates with Engineering background will get preference over those with science background.	5	2	1	3	3
6	Industrial Engg. & Management	IM	B.Tech/B.E. or equivalent degree in any branch of Engineering.	10	3	2	5	5
7	Petroleum Engg.	PE	B.Tech/B.E. or equivalent degree in Chemical/ Mechanical/ Petroleum/ Petrochemical Engg. Note: Preference will be given to students with B.Tech in Petroleum Engg.	10	3	2	5	5

			Candidates with Colour blindness/ Physical disability are not permissible.					
8	Environmental Science & Engineering	ES	Post graduate degree in Chemistry/ Physics/ Environmental Science/ Botany Geology/ Geography/ Mathematics/ Statics/ Microbiology/ remote sensing & GIS/ Atmospheric science OR B.Tech/B.E. or equivalent degree in Mining/ Civil/ Mechanical/ Chemical/ Mineral/ Agriculture/ Environmental Engg./ Biotechnology/ Computer Sc & Engg./ Petroleum Engg./ Material Sc. Note: For any discipline maximum intake will be 20% of sanctioned total seats, excluding sponsored candidates.	13	4	2	7	5
9	Petroleum Exploration	PX	M.Sc./M.Sc.Tech. degree in Geology/Applied Geology with B.SC (Honours/major) in Geology and any two subjects out of Mathematics/ Physics/ Chemistry at B.Sc. level OR 5 year integrated M.Sc./M.Sc.Tech. in Applied Geology OR M.Sc./M.Sc.Tech. degree in Geophysics/Applied Geophysics/ Exploration Geophysics/ Marine Geophysics with any two subjects out of Mathematics/ Physics/ Chemistry at B.Sc. level OR 5 year integrated M.Sc./M.Sc.Tech. in Applied Geophysics. Note: Candidates with colour blindness/ uniocularly are not permissible.	13	4	2	7	5
10	Engineering Geology	EG	M.Sc./M.Sc.Tech or equivalent degree in Geology/Applied Geology with B.SC (Honours/major) in Geology and any two subjects out of Mathematics/ Physics/ Chemistry at B.Sc. level OR B.Tech/B.E. or equivalent degree in Civil Engg. OR 5 year integrated M.Sc./M.Sc.Tech. in Applied Geology. Note: Candidates with colour blindness/uniocularly are not permissible.	7	2	1	4	5
11	Mineral Exploration	MX	M.Sc./M.Sc.Tech. or equivalent degree in Geology/Applied Geology with with B.SC (Honours/major) in Geology and any two subjects out of Mathematics/ Physics/ Chemistry at B.Sc. level OR 5 year integrated M.Sc./M.Sc.Tech. in Applied Geology. Note: Candidates with colour blindness/ uniocularly are not permissible.	7	2	1	4	5
12	Computer Science and Engineering	CS	B.Tech/B.E. /BSc. Engg. or equivalent in Computer science and Engg./Information Technology/ Electronics and Communication/Electronics communication/ Telecommunication/Electronics and Instrumentation/Electronics/Electronics and Electrical/Electrical Engineering.	15 + (5)	4 + (2)	2 + (1)	8 + (3)	5

13.	Electronics & Communication Engineering	EC	B.Tech/B.E. or equivalent degree in Electronics/ Electronics & Communication/ Electronics & Telecommunication/ Electronics & Instrumentation/ Instrumentation/ Electronics & Electrical Engg.	5 + (5)	2 + (2)	1 + (1)	3 + (3)	3
14.	Mining Machinery Engineering	MM	B.Tech/B.E. or equivalent degree in Mechanical/ Mining Machinery/ Mining/ Automobile Engg. Note: Female candidates are not permitted. Candidates with colour blindness/ uniocularly are not permissible.	10	3	2	5	5
15	Maintenance Engg. & Tribology	MT	B.Tech/B.E. or equivalent degree in Mechanical/ Mining Machinery/Automobile Engg.	10	3	2	5	5
16	Mechanical Engineering with specialization in Manufacturing Engg.	MC	B.Tech/B.E. or equivalent degree in Mechanical/ Production/ Mining Machinery/Automobile/ Aeronautical Engg./ Aerospace Engg./Industrial Production Engg.	5 + (5)	2 + (2)	1 + (1)	3 + (3)	3
17	Power System Engineering	EE	B.Tech/B.E. or equivalent degree in Electrical / Electrical & Electronics Engg.	5 + (5)	2 + (2)	1 + (1)	3 + (3)	3
(B)	M.Phil. Programmes:							
1	Applied Physics	AP	M.Sc. / Integrated M.Sc. in relevant subject from a recognized university with minimum 55% marks or equivalent grade.	5	2	1	3	3
2	Applied Chemistry	AC	M.Sc. / Integrated M.Sc. in relevant subject from a recognized university with minimum 55% marks or equivalent grade.	5	2	1	3	3
3	Applied Mathematics	AM	M.Sc. in Mathematics/ Statistics from a recognized university with minimum 55% marks or equivalent grade.	5	2	1	3	3
4	English	EN	M.A. or equivalent degree in English with a minimum of 55% marks or equivalent letter grade (50% for SC/ST) from a recognized university or deemed university.	10	3	2	5	2

Numbers shown within parenthesis represent no. of GATE NOT QUALIFIED candidates to be provided scholarship under TEQIP-II

Schedule of ISM M. Tech. 2012-13

Online Application Form available for submission	February 27, 2012 (Monday) (09.00 Hrs. onwards) to March 31, 2012 (Saturday) (18.00 Hrs.)
Last date for the Receipt of completed Application Form at ISM	April 06, 2012 (Friday)
Issue of call letter for written test / counseling (to be downloaded from the website)	April 30, 2012 (Monday) onwards
Written test for GATE Not Qualified/NET Not Qualified/ Sponsored candidates	May 13, 2012 (Sunday)
Counseling/Admission of GATE qualified candidates on the basis of GATE Score	May 19 - 20, 2012, (Saturday & Sunday)
Website display of list of filled/vacant seats after admission of GATE qualified candidates	July 2, 2012 (Monday)
Declaration of results of written test (on the website)	July 2, 2012 (Monday)
Counseling of GATE Not Qualified/ NET Not Qualified/Sponsored candidates who have qualified in written test	July 14 - 15, 2012 (Saturday & Sunday)

Schedule of ISM M. Phil. 2012-13

Online Application Form available for submission.	February 27, 2012 (Monday) (09.00 Hrs. onwards) to March 31, 2012 (Saturday) (18.00 Hrs.)
Last date for the Receipt of completed/ Online Application Form at ISM	April 06, 2012 (Friday)
Issue of call letter for written test/ interview (to be downloaded from the website)	April 30, 2012 (Monday) onwards
Written test for GATE Not Qualified/ NET Not Qualified/ Sponsored candidates	May 13, 2012 (Sunday)
Counselling / Interview (if required) of NET Qualified candidates	May 18, 2012 (Friday)
Declaration of results of written test (on the website)	July 2, 2012 (Monday)
Website display of list of filled/vacant seats after admission of NET qualified candidates	July 2, 2012 (Monday)
Admission of NET Not Qualified/Sponsored Candidates who have qualified in written test	July 13, 2012 (Friday)

ANNEXURE-I
FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES (NON-CREAMY LAYER)
APPLYING FOR ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER
GOVERNMENT OF INDIA

This is to certify that Shri/Smt./Kum. _____ Son/Daughter of
Shri/Smt. _____ of Village/Town _____
District/Division _____ in the _____ State belongs to the
_____ Community which is recognized as a backward class under:

- (i) Resolution No. 12011/68/93-BCC(C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186 dated 13/09/93.
- (ii) Resolution No. 12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163 dated 20/10/94.
- (iii) Resolution No. 12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88 dated 25/05/95.
- (iv) Resolution No. 12011/96/94-BCC dated 9/03/96.
- (v) Resolution No. 12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 11/12/96.
- (vi) Resolution No. 12011/13/97-BCC dated 03/12/97.
- (vii) Resolution No. 12011/99/94-BCC dated 11/12/97.
- (viii) Resolution No. 12011/68/98-BCC dated 27/10/99.
- (ix) Resolution No. 12011/88/98-BCC dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270 dated 06/12/99.
- (x) Resolution No. 12011/36/99-BCC dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71 dated 04/04/2000.
- (xi) Resolution No. 12011/44/99-BCC dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 21/09/2000.
- (xii) Resolution No. 12015/9/2000-BCC dated 06/09/2001.
- (xiii) Resolution No. 12011/1/2001-BCC dated 19/06/2003.
- (xiv) Resolution No. 12011/4/2002-BCC dated 13/01/2004.
- (xv) Resolution No. 12011/9/2004-BCC dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 16/01/2006.

Shri/Smt./Kum. _____ and/or his family ordinarily reside(s) in the
_____ District/Division of _____ State. This is also to certify that
he/she does not belong to the persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the
Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt.(SCT) dated 08/09/93 which
is modified vide OM No. 36033/3/2004 Estt.(Res.) dated 09/03/2004.

Dated:

District Magistrate/
Deputy Commissioner, etc.

Seal

NOTE:

(a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

(b) The authorities competent to issue Caste Certificates are indicated below:

- (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / 1st Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of 1st Class Stipendiary Magistrate).
- (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
- (iii) Revenue Officer not below the rank of Tehsildar and
- (iv) Sub-Divisional Officer of the area where the candidate and/or his family resides.

**INDIAN SCHOOL OF MINES
DHANBAD – 826004**

MEDICAL EXAMINATION REPORT
(To be issued by a Registered Medical practitioner & to be
Submitted by the candidate at the time of admission)



STANDARD OF MEDICAL FITNESS

Candidate should have good general physique with :

- (a) Chest measurement : Not less than 70 cms satisfactory limit of expansion and contraction.
- (b) Vision : Should be normal, In case of defective vision, if should be corrected to 6/9 in both eyes or 6/6 in the better eye.
- (c) Hearing : Should be normal. Defective hearing should be corrected.
- (d) Heart and lungs : Should not have any abnormality and not history of mental diseases of epileptic fits.

PERSONAL HISTORY (Item 1 to 7 be filled in the candidate)

- 1. Name _____
- 2. Form No. _____
- 3. Parent's / Guardian's name _____
- 4. Age _____ Years _____ Months _____ 5. Sex _____
- 6. Identification mark on Body _____
(This can be mole, scar or birth mark)
- 7. Major illness / Operation _____
(Specify nature of illness/Operation)

MEDICAL CERTIFICATE (Item 8&9 to be filled by Medical Officer conducting the medical examination)

- 8. Height _____ cms
- 9. Weight _____ Kgs.
- 10. Past History
- 11. Chest
- (a) Mental Disease _____ (a) Inspiration _____ Cms.
- (b) Epileptic Fit _____ (b) Expiration _____ Cms.
- 12. Vision with or without glass
- (a) Right Eye _____ (b) Left Eye _____ (c) Colour Blindness _____
- 13. Hearing _____

14. Abdomen : (a) Liver _____ (b) Spleen _____
15. Respiratory System _____ 16. Nervous System _____
17. Heart (a) Sound _____ (b) Murmur _____
18. (a) Hernia _____ (b) Hydrocele _____
19. Any defects _____

Certified that Mr./Ms _____

Son/Daughter of _____

- (a) Fulfills the prescribed standard of physical fitness and is FIT for admission to Engineering / Earth Science / Science course.
- (b) Does not fulfil the prescribed standard of physical fitness and is Unfit / Temporarily Unfit for admission due to following defects.

20. i. Report of X-ray chest PA view
(Please attach report)

ii. Report of Blood TC/DC, ESR
(Please attach report)

Signature of the candidate

Signature of the Medical Officer

Full Name _____

Registration No. _____

Date

OFFICIAL SEAL