



First Circular



**National Seminar on
Geosciences and
Sustainable Development in
Tribal Areas
(NSGDTA-24)**

Tentative Date: 15 & 16 November 2024

Nagpur



Organized by

Gondwana Geological Society, Nagpur
in association with
Geological Survey of India

India is a country with ethnic diversity, the most prominent and ancient group being represented by different tribes *viz.* Santhals, Gonds, Bhils, Oraon scattered in interior parts of the country totaling nearly 104 million or 8.6% of the national population. The tribal people form a major population of torch bearing the ancient social, cultural and economic traditions in their family structure and lifestyle. The tribes are yet not exposed to modernization hence they are mostly following the old educational, social and economic practices, in agriculture and handicrafts. The tribal handicrafts are unique and popular items all over India. The modernization, advent of formal education and industrial development are posing a challenge to the tribal population. Hence, there is a need to improve academic and socio-economic condition of the tribal people.

Average income of tribal population is nearly Rs. 31000 per annum, through economic activity based on forest products, local mining, farming, fishing, weaving, cattle rearing and handicrafts. Most of the mineral resources in India *viz.* iron ore, manganese ore, bauxite, graphite, copper, limestone are found in interior parts, occupied by tribals. The industrial development in a country needs higher contribution of these minerals, putting strain on the ecology of the area. Ground water development, agriculture activity, mining, forest wood, fruits collection, crafts like pottery are main activities in tribal areas contributing to economic and social development of the tribal areas. These activities are mostly related to earth science and ground water regime of the area shaping the lifestyle of the tribal population. These industrial activities have influenced the culture, economic status and social structure of the tribal society. The developmental activity in these areas has influenced the ecology of the area and social fabric of the tribal community.

This seminar proposes to discuss various aspects of the geosciences contributing to infrastructure development of interior areas, industrial establishments and socio-economic projects for upliftment of tribal population. Besides, it is proposed to discuss the ecological, environmental and geopolitical aspects of earth science related developments in tribal areas. The seminar provides an opportunity to the various stake holders including researchers, academicians, geoscientists, mine developers, ground water managers, agricultural scientists, educationists and planners to discuss the various aspects useful for development of Adivasis and influence of these activities on the tribal society. The outcome of the deliberations in the Seminar will be useful in planning the sustainable development



of mineral wealth of the area and schemes for proper economic and social development of the tribal community.

The Gondwana Geological Society (GGS), established in 1981, is one of the pioneering earth science societies in our country, promoting advanced geoscientific study and research since four decades. The Society provides a common platform to the geoscientists all over India to interact with each other, exchanging the findings of research, recent developments in science and publication of research activity. The Society organizes scientific talks on topics of national importance, as well as Seminars on various themes of societal importance. GGS has organized seminars on Coal Geology, Deccan Basalts, Quaternaries of India, Micro-palaontology, Precambrians of Central India, Non-Marine Cretaceous of India, Energy Scenario, Sedimentary Basins, Challenges in Mineral Exploration, Ground water and surface water resources in India, Mineralisation of Kotri belt, and more. The GGS as a part of “Aazadi ka Amrit Mahotsava” celebrations had organized a National Seminar on “Conventional, non-conventional & Renewable Energy Scenario and Climate Change Perspective in India” in June 2023, at Nagpur. The proceedings of these seminars are published as Special Volumes of GGS with ISBN, for the benefit of the public. The Journal of Geosciences Research (JGSR) having ISSN 2455-1953 is the bi-annual flagship journal of GGS, which is recognized by UGC as a reference journal. The Society has nearly 700 members spread all over India and abroad. National institutions such as GSI, ONGC, MRSAC, AMD, IBM, HCL, MECL, NGRI, NIT, MOIL, WCL, DMGs as well as and IITs and several universities have always supported scientific activities of GGS.

The proposed National Seminar is planned for two days, covering the role of industrial activities like mining, energy resources, educational facility and self employment schemes for tribal people in tribal area and short fall in implementing them. Scientists and technocrats from government departments like GSI, AMD, MoES, DGM, IBM, PSUs WCL, Coal India, NHPC, NTPC, MOIL, MRSAC, research institutions like NGRI, NEERI, IIT and private entrepreneurs are expected to participate in this Seminar along with few tribal leaders and social workers. The experts from fields of exploration, mining, energy resource exploitation and tribal area development, pollution control, will enlighten the participants about the sustainable economic activities and the respective tribal area development plans, proposals and their implementation in India.

Themes and Subthemes

A. Natural resources

1. Geology and remote sensing of tribal areas
2. Geophysical and geochemical survey
3. Mineral resources potential
4. Hydrocarbon Exploration and Resource Estimation
5. Atomic Mineral Exploration
4. Energy resource potential
5. Quality and quantity wise assessment of coal resources – future perspective.

B. Ground Water Resources

1. Ground water survey
2. Ground water resource potential, Ground water quality and exploitation

3. Sustainable water resource utilization
4. Ground water recharge and storage

C. Industrial Activity

1. Survey of existing mineral industry
2. Future Perspective of mineral based industry
3. Contribution of minerals in development of local Economy
4. Small scale industrial development
5. Impact of industrial development on tribal economy
6. Socio- economic aspects of industrial development
7. Schemes for social and economic upliftment of tribal population
8. Environmental impact of natural resources development
9. Medical Geology and mitigation measures

D. Energy sector

1. Thermal energy power plants
2. Hydel energy production
3. Geological and environmental challenges and mitigation measures
4. Wind and Solar
5. New technology fuels (bio- fuels)
6. Geothermal energy

E. Environment aspects and Climate Change

1. Environment impact assessment due to exploration for fossil fuels.
2. EIA of thermal plants, oil well production, hydel power generation,
3. Environmental parameters for sustainable energy resources development
4. Tracemetal contamination and environmental health hazards.
5. Future perspective in climate change
6. Impact of new mineral development policy in tribal areas
7. Constitutional provisions for mineral endowed and geoscientifically important tribal areas, implications, and enacted rules and laws like The Panchayats Extension to Scheduled Areas (PESA) Act, 1996, etc.

The seminar will comprised of key papers and presentations by academicians, researchers, geoscientist and eminent administrators who have vast experience in the above fields. It will also cover the presentations by active workers in the field of exploration, energy resources, ground water management, tribal development and environmental impact studies. In addition, a poster session is arranged for young researchers giving them opportunity to express their views and interact with experts. The seminar will conclude with a Panel Discussion of experts who will summarize the deliberations and propose plans for sustainable development of mineral resources in tribal belt with contribution to socio-economic development of tribal population.

Registration

Intending participants may register on or before 30th June 2024. The registration fee is as under:

General Delegates	:	Rs. 5000/-
Members of Gondwana Geological Society	:	Rs. 3000/-
Students*	:	Rs. 1500/-

*Financial support may be given to ST/VJ/NT students based on the availability of the funds.

The delegates may please send their registration fee in advance by Demand Draft drawn in favour of Gondwana Geological Society, or through online to the bank account given here. Bank account no. 04650100001896, Bank of Baroda, MICR 440012003, IFSC- BARB0DHARAM (0=zero), Dharampeth branch, Nagpur 440001.

Tentative Date: 15 & 16 November 2024 @ Nagpur

Submission of Abstracts

Abstract of the paper, not exceeding 300 words may be submitted along with registration form in hard or soft copy, to the Organising Secretaries before **30th June 2024**. The abstract should also be submitted through email in MS Word format for fast processing and communication. The format of paper submission is available on the website of GGS, <https://gondwanags.org.in>. Authors of selected abstracts will be informed before **31st July 2024** for the submission of the full paper. The abstract should include the title of the paper, names(s) of the author(s), organization and the address, including contact number and the e-mail ID and details of the author for correspondence.

Submission of Full Papers

The papers accepted for presentation in the seminar will be published as Special publication of GGS with ISBN number, after peer-review and will be released during the inauguration of the seminar as per the practice of GGS. It is, therefore, requested to submit the full paper in hard copy as well as a soft copy by email on or before **31st August 2024**, as per the format of the Journal of Geosciences Research. The papers with novel ideas/findings will be considered for the regular / special issue of the JGSR.

Weather

The weather at Nagpur remains warm during November (with average temperature between 19°C and 31°C) and is expected to be pleasant. Occasional rains may be expected.

Accommodation

The delegates are requested to indicate their requirement and choice of accommodation well in advance. The State and Central Government guesthouses have limited accommodation available. Hotels of various tariffs including three stars and five stars are also available in Nagpur.

Travel aid

Travel aid for participation in the Seminar may be provided to a limited number of deserving participants, particularly students, based on fund position. The request for funding may be submitted to the Organising Secretary of the seminar in advance.

Organising Secretaries

Shri. Milind Dhakate

Director, Geological Survey of India, Kolkata ; milindhakate@gmail.com

Dr. B.S. Manjare

Associate Professor, Deptt. of Geology, RTM Nagpur University, Law College Campus, Amaravati road, Nagpur 440001 ; yogesh_manjare1@rediffmail.com

Shri. Suresh Naitam

DMO, Directorate of Geology & Mining, Govt. of Maharashtra, Chandrapur

PATRON

Shri. Janardan Prasad

Director General, Geological Survey of India, Kolkata

CONVENER

Dr A.K. Chatterjee

Addl. Director General, (Retd.), GSI. and President Gondwana Geological Society, Nagpur

CO-CONVENERS

Prof. A.M. Pophare

RTM Nagpur University,
Nagpur

Shri. R.S. Kalamkar

Former Director, DGM
Govt. of Maharashtra

Dr. G.D. Kamde

Jt. Director, Directorate of
Geology and Mining, Nagpur

ORGANISING SECRETARIES

Shri. Milind Dhakate

Director,
Geological Survey of India
Kolkata

Dr. B.S. Manjare

Associate Professor
Deptt. of Geology,
RTMNU, Nagpur

Shri Suresh Naitam

DMO,
Directorate of Geology & Mining,
Govt. of Maharashtra, Chandrapur

Members of Organising Committee

Dr. P.B. Sarolkar, Secretary, GGS, Nagpur

Dr. M.K. Roy, Vice-President, GGS Nagpur

Dr. P.K. Jain, Vice-President, GGS Nagpur

Prof. Sumedh Humane, Editor, JGSR

Dr. Sandip Roy, Joint Editor, JGSR

Dr. Samaya Humane, Treasurer, GGS, Nagpur

Dr. Hemant Khandare, Joint Secretary, GGS

Mr. Vishal Sakhare, Joint Secretary, GGS

Mr. R.N. Kargaonkar, General Manager, ONGC, Mumbai

Dr. S.M. Hussain, Prof. & HOD, University of Madras

Prof. P. Kundal, Former President of GGS

Mr. R.S. Kalamkar, Director (Retd.) DGM, Mah. Govt., Nagpur

Prof. S.J. Sangode, Prof & HOD, Dept. of Geology, SPPU, Pune

Dr. D.M. Kolte, Scientist, MRSAC, Nagpur

Prof. D.B. Malpe, Ex-Prof. & Head, PG Dept. of Geology, RTMNU

Dr. U.L. Pitale, Ex-Director, GSI, Nagpur

Prof. N.K. Mohabey, Ex-Prof. & Head, PG Dept. of Geology, RTMNU

Dr. Amit Mazumdar, Ex-Regional Director, AMD, Nagpur

Dr. A.K. Raina, Senior Principal Scientist, CSIR-CIMFR, Nagpur

Dr. P.M. Tapaswi, Ex. President, GGS, Nagpur

Shri G. Gonnade, Addl. Director General (Retd), GSI

Dr. Y.A. Murkute, Associate Professor, PG Dept. of Geology, RTMNU

Dr. M.S. Deshmukh, Assistant Professor (Sr.) PG Dept. of Geology, RTMNU

Prof. V.M. Rokade, Dept of Geology, KBC, North Maharashtra University, Jalgaon

Dr. Ranjana Gawande, Head, Dept. of Geology, Deogiri, College, Sambhajinagar

Dr. Shyam N. Mude, Head, Dept. of Geology, Fergusson College Pune

Dr. S.M.Tale, Head, Dept. of Geology, COEAT, Akola

Dr. Y.K. Mawale, Head, Dept. of Geology, SGBAU, Amravati

Mr. P.K. Gupta, Ex- Regional Director, Central Region AMD, Nagpur
Dr. C.P. Dorlikar, Head, M. G. College, Department of Geology, Armori
Dr. P.S.Tidke, Associate Professor, Dept. of Geology , SGBAU, Amravati
Dr. N.K. Meena, Scientist, Wadia Institute of Himalayan Geology, Dehradun
Dr. S.V. Kulkarni, Bhartiya Mahavidhyalay, Amravati
Dr. D.R. Kanungo, Chief Mineral Dressing Officer, IBM, Nagpur
Dr. Snehal Juare, Head, Dept. of Geology, YCC of Science, Lakhandur
Dr. V.A. Mendhe, Chief Scientist, CSIR-CIMFR, Dhanbad
Dr. Gunawant Wadapalliwar, Head, Dept. of Geology, Kurkheda
Dr. Sanjiwani Jawadand, Head, Dept. of Geology, Mohata Science College, Nagpur
Dr. Mahesh D. Phalke, Head, Dept. of Geology, Shri Shivaji Science , Nagpur
Dr. Sumit Chauhan, Dept. of Geology, Mohata Science College , Nagpur
Dr. Sanjay Deshmukh, Head, Dept. of Geology, Gulab Nabi Azad Collge, Barshi Takali
Dr. Mayura Deshmukh, Head, Geology and Geoinformatics, Shri Shivaji Science, Amravati
Dr. Ganesh Gaikwad, Head, Geology and Geoinformatics, Shri Shivaji Science, Akola
Dr. Pravin Ingle, Dept of Geology, Tompe College, Chandur Bazar

Address for Correspondences

Dr B.S. Manjare, (Organizing Secretary)

Associate Professor, Department of Geology, RTM Nagpur University,
Law College Campus, Amaravati road, Nagpur 440001.

E-mail: yogesh_manjare1@rediffmail.com



National Advisory Committee

Secretary, Ministry of Tribal Affairs, Government of India
Secretary, Minister of Social Justice and Empowerment, Government of India
Secretary, Ministry of Tribal Affairs, Government of Maharashtra
Director, Tribal Research and Training Institute, Pune
Ms. Sushma Rawat, Director (Exploration), Oil and Natural Gas Corp. Ltd. Delhi
Smt. Varsha Ashok Aglawe, ADG & HoD, GSI, ER, Kolkata
Shri. Suraj Domaji Patbhaje, ADG & HoD, GSI, CR, Nagpur
Shri. Dinesh Vitthalrao Ganvir, ADG & NMH-II, GSI, Nagpur
Shri. Vijay Vishnupant Mugal, ADG & HoD, GSI, WR, Jaipur
Shri. Dheeraj Pandey, Director AMD-DAE, GOI, Hyderabad
Dr. Kalachand Sain, Director, WIHG, Dehradun
Dr. Prakash Kumar, Director, NGRI, Hyderabad
Prof. Arvind Kumar Mishra, CSIR-CIMFR, Dhanbad
Prof. R.P. Tiwari, VC, Central University of Punjab, Bhattinda, Punjab
Dr. Atul Narayan Vaidya, Director, CSIR-NEERI, Nagpur
Dr. Srinivasan, Director, RRSSC, Nagpur
Dr. Rasik Ravindra, Former director of NCAOR, Former Deputy director of GSI
Commissioner of Commission on Limits of Continental Shelf, UN
Prof. Anupam Chattopdhyay, HOD, Delhi University, Delhi
Prof. N.C. Pant, Ex. HOD, Department of Geology, University of Delhi, Delhi
Prof. Talat Ahmad, Ex-VC, Jammu University, Jammu
Dr. Rajiv Nigam, Emeritus Scientist, NIO and Ex. Director, NIO, Goa
Dr. Padole, Director, VNIT, Nagpur
Prof. Dileep Peshwe, HOD, Dept. of Metallurgy, VNIT,
Shri. Dinesh Sheram, Management Councilor, RTMNU.
Prof. L.S. Chamiyal, Dept. of Geology, M.S. University of Baroda, Vadodara
Dr. Mrinal Kanti Mukherjee, Head, Dept. of Applied Geology, IIT-ISM, Dhanbad
Prof. Bandana Samant, Central University of Punjab, Bhattinda, Punjab
Prof. P. Raja, Principal Scientist, ICAR-IISWC, Research Centre, Sunabeda
Prof. Suresh Gandhi, Head, Dept. of Geology, University of Madras, Chennai
Prof. R. Venkatachalapathy, Head, Dept. of Geology, Periyar University, Salem
Prof. Jaipurkar, Ex. Pro. VC, SGB Amravati University, Amravati
Prof. D.C. Meshram, Sagar University, Sagar
Prof. D.M. Maurya, M. S. University of Baroda
Prof. Sreeroop Goswami, Utkal University, Bhubhaneshwar
Prof. Mahesh Thakkar, Director, BSIP
Dr. S.K. Srivastava, Nagaland University, Kohima
Prof. Raghmani Singh, Manipur University, Imphal
Prof. Deepanker Asthana, IIT-ISM, Dhanbad
Prof. Ashu Khosla, Head, Dept. of Geology, Punjab University, Chandigarh.
Director, CGWB, Nagpur
Director, MRSAC, Nagpur
Prof. S.M. Deshpande, Member, MPSC, Government of Maharashtra.
Dr. Vijay Pakhmode, Deputy Director, GSDA
Dr. Mohan Sonar, Head, Dept. of Geology, Institute of Science, Sambhajinagar
Prof. Joydeep Mukhopadhyay, Presidency University, Kolkata
Prof. Duryodhan Behera, Sambhalpur University, Sambhalpur
Prof. Devesh Walia, NEHU, Shillong
Prof. Y.B. Katpatal, VNIT, Nagpur
Dr. Veenisha Singh, Head, Dept. of Geology, Barkatulla University, Bhopal
Dr. S.N. Mahapatra, Head, Dept. of Geology, Jiwaji University, Gwalior
Prof. A.K. Choudhary, Kurukshetra University, Kurukshetra
Prof. Nalluswamy, Department of Geology, Central University of Karnataka, Kalburgi

Registration Form

National Seminar on Geosciences and Sustainable Development in Tribal Areas (NSGDTA-24)

Tentative Date: 15 & 16 November 2024 @ Nagpur

Name in full :

Designation:

Name of the Organisation:

Full address for Correspondence:

Tel/Mobile No.:

e-mail:

I intend to contribute a paper/poster presentation titled:
.....

Under theme :
..... and participate in the seminar.

Accommodation Required : Yes/No

Details : Guest House / Hotel - Single Bed / Double Bed
Charges as per Guest House / Hotel Rates

Registration Fee (Payment details) :

NEFT/RTGS/DD No. Date

Amount Bank

Any Other Request
.....

Place :

Date : Signature

(To be sent to the Organising Secretary)