



Andhra Pradesh Human Resource Development Institute
(Govt. of Andhra Pradesh)

Three Day Residential Training Programme on
“Geo Science – The Earth & its Resources”

(in association with DoPT, GoI)

Venue: AP HRDI, Bapatla, Guntur Dist.

27 – 29 May, 2019

Programme Schedule

Prog. Code: APHRDI/DoPT/07/19

Monday:: 27.05.2019

Time (Hrs)	Name of the Speaker	Topic
09:30 – 10:30	Dr. I Satyanarayana Raju Senior Project Manager, CSDG & Former Chief Engineer, WRD APHRDI, Bapatla	Inaugural Programme
10:30 – 11:30	Dr. D P Rao Former Director, NRSC, ISRO, Hyderabad	Space Technology for understanding Earth's Resources and Utilization
Coffee/Tea : 11:30 – 11:45		
11:45 – 13:00	Prof. P Sankara Pichaiah Department of Geology Acharya Nagarjuna University	Introduction to Geology - Mineralogy, Petrology, Stratigraphy, Physical, Structural and Economic Geology
Lunch: 13:00 – 14:00		
14:00 – 15:30	Sri Bandha Kavi Retd. Director, Survey of India Hyderabad	Survey Fundamentals, Study and review of Toposheets, Coordinate systems, DGPS survey procedure, review of drawings
Coffee/Tea : 15:30 – 16:00		
16:00 – 17:30	Sri Nagarjuna AP Pollution Control Board Vijayawada	Process & applicable acts/rules for obtaining Environment clearance & other related clearances; Best practices in environment management w.r.t mining

Tuesday :: 28.05.2019

Time (Hrs)	Name of the Speaker	Topic
09:30 – 11:00	Dr. A. Kanungo Scientist - SD, APSAC IT E & C Department, Govt. of AP, Vijayawada	Usage of Google Earth & Introduction to Global Navigation Satellite System - Earth layering, Processing of mines, Global positioning system (GPS)
Coffee/Tea : 11:00 – 11:30		
11:30 – 13:00	Dr. V Raghu Scientist- SF, Geo Science division A.P.Space Applications Centre IT E & C Department, Govt. of AP, Vijayawada	Remote sensing & Geological Information system (GIS), Techniques and their applications in Mining & Geology

Lunch: 13:00 – 14:00

14:00 – 15:30	Sri Veda kumar I Class Mines Manager, NMDC & Visiting Professor Hyderabad	Mine Design & Planning - Preliminary evaluation of surface mining prospects
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Coffee/Tea : 15:30 – 16:00

16:00 – 17:30	Sri Veda kumar I Class Mines Manager, NMDC & Visiting Professor Hyderabad	Stripping ratio & Pit Planning; Analysis & design of high wall slopes & waste dumps; Haul road design
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Wednesday :: 29.05.2019

Time (Hrs)	Name of the Speaker	Topic
09:00 – 11:00	Sri Veda kumar I Class Mines Manager, NMDC & Visiting Professor, Hyderabad	Study & Review of Mining plan & Maps for approval

Coffee/Tea : 11:00 – 11:30

11:30 – 13:00	Dr. S. Kamlakaram Sr. Manager (Geology) , MECL, GoI, Nagpur, Maharashtra	Exploration Techniques, Resource Evaluation and Estimation, Geo statistics, Best Practices for sample collection, analysis and lab management UNFC classification
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Lunch: 13:00 – 14:00

14:00 – 14:45	Mr. Pramod Sarangi Regional Manager, Engineering Solutions, EDS Technologies, Hyderabad	Introduction to latest mining Software – Surpac, Rockworks
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14:45 – 15:30	Sri Yohan Yejerla Dy. Director, Nellore Sub-Region, Director General of Mines Safety, MoLE, GoI	Mine safety methods for Opencast & Underground mining, Risk Management, Safety audits and control; Recent development trends in safety engineering approaches
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Coffee/Tea : 15:30 – 15:45

15:45 – 17:15	Sri G S Chowdary , DGM Mr. Manideep Boppana B.Tech Mining & MBA from IIT (ISM), Dhanbad Vijayawada	Applicable acts/rules for Major and Minor minerals; Methods of Mining – Opencast & Underground; Fundamentals of Mining; Mineral Auction Process - Rules governing Auction of mineral blocks, Key criteria/parameters considered for mineral block auction, Auction Process
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17:15 – 17:30	Feedback & Valedictory	
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